



**Iris um Oifig Maoine Intleachtúla na hÉireann**  
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**CLÁR INNSTE**

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**Cuid I**

**Paitinní agus Dearachtaí**

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**No. 2471**

**Wednesday, 31 August, 2022**

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<p>In this Part of the Journal, a reference to a section is to a section of the Patents Act, 1992 unless otherwise stated.</p>
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## **Applications for Patents From 28/07/2022 to 10/08/2022**

The names of applicants are in alphabetical order. In the case of joint applicants, each name is given independently. The title of the invention should not be regarded as an exhaustive indication of the subject-matter. The date immediately following the title is that on which the application was filed; in the case of a divisional application, the filing date of the earlier application is added within parentheses. Where an application has been filed pursuant to Section 127A, the filing date shall be either the date of the originating PCT filing, where applicable, or the date directed by the Controller. Where the application invokes the Paris Convention, the Convention country and priority date(s) claimed are given in square brackets. Where an application claimed the priority of an earlier application filed at this Office, this information is given within the square brackets. The number is that of the application and should be used for correspondence purposes up to the date of grant of a patent. The letter S preceding the number indicates that the application is for a short-term patent. A new number will be given when a patent is granted and this new number should be quoted in all correspondence subsequent to grant.

BUGLER GERARD C. A Car Safety Light System 10 August 2022	<b>S20220131</b>
BYRNE CARL A wind pocket system for sporting apparel. 09 August 2022	<b>20220129</b>
DONGGUAN UNIVERSITY OF TECHNOLOGY A Kind of Multi-functional Intelligent Sensor and Building Structural Condition Monitoring System Based on It 10 August 2022	<b>S20220130</b>
GRA MO KEY LIMITED Combination of an online platform and minimally invasive secure storage lockers to facilitate peer to peer car hire within airports 28 July 2022	<b>S20220133</b>
KERSTIN Fit and healthy, alkaline protein cake 02 August 2022	<b>S20220127</b>
PEYTON CIARAN Apparatus for Power Generation 03 August 2022	<b>20220128</b>
SHANDONG UNIVERSITY OF TECHNOLOGY Method for searching geothermal heat based on carbon-containing nano particles in fluid 10 August 2022 [China-08 June 2022]	<b>S20220132</b>
SHIELDS, DAMIAN PATRICK Mobile Aggregate Scrubbing System 29 July 2022	<b>20220126</b>

## Applications Published Under Section 28

The following applications become open to public inspection as from the date of this issue of the journal unless otherwise specified. The date given is the date of filing of the application or the earliest priority claimed. Any application made pursuant to Section 127A, where the originating PCT application has been published under that PCT in English, is accorded the PCT publication date of that application. For these Section 127A applications, the publication date is given in bold square brackets.

<b>2021</b>	<b>20210144</b>	BRUKER DALTONICS GMBH & CO. KG, ION MOBILITY SEPARATION SYSTEM WITH ROTATING FIELD CONFINEMENT. 20 August 2020. Int. Cl. (2022.01) <b>H01J 49/00; G01N 27/00.</b>
<b>2021</b>	<b>20210149</b>	Clark Steel Holdings Limited, A drain cover. 27 August 2020. Int. Cl. (2022.01) <b>E02D 29/00.</b>
<b>2021</b>	<b>20210169</b>	ERA HOME SECURITY LIMITED, Letterplate. 24 September 2020. Int. Cl. (2022.01) <b>A47G 29/00.</b>
<b>2021</b>	<b>20210225</b>	JOHN SMEE, A Rapid Cooling Apparatus. 31 December 2020. Int. Cl. (2022.01) <b>F25D 31/00.</b>

## Patents Granted Under Section 34

The number of a patent is given in heavy type; the letter S preceding the number indicates a short-term patent. The code numbers following the title of each invention are those of the International Patent Classification. The date of filing the application follows the proprietor's name. The patent application number, which follows the date of application in parenthesis, has been superseded by the patent number. In the case of an application claiming the priority of an earlier application, the name of the country where the earlier application was made and the date of the earlier application are shown in square brackets.

By virtue of Section 65(3), the application relating to any short-term patent appearing in the following list whose date of filing is later than the date which is 18 months prior to the date of this issue of the Journal becomes open to public inspection as and from the date of this issue of the Journal.

<b>S87316</b>	Method And System For Verifying The Authenticity Of Content Associated With An Entity. Int. Cl. (2022.01) <b>G06F 16/00; G06F 21/00.</b> LOIS CHAN 14 September 2021 (S20210161) [China-15 September 2020]
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## Patents Granted Under European Patent Convention Designating Ireland

The Irish serial number appears first followed, respectively, by the proprietor's name, the date of filing of the application, the filing number and the European Patent Office publication number.

If the specification of the European patent was published in French or German the word 'French' or 'German', as appropriate, will appear as the last item of information.

### Grants Published in EPO Bulletin No. 29/22, dated 20<sup>th</sup> July 2022

3372208	3M Innovative Properties Company Zamierowski, David S. Bubb, Stephen K.	12/11/2013	3372208	18162527.8	
3372738	Grohe AG	09/03/2018	3372738	18160889.4	German
3374007	GUERBET	10/11/2016	3374007	16798110.9	French
3374029	Yeditepe Universitesi	15/03/2016	3374029	16717207.1	
3374084	thyssenkrupp Industrial Solutions AG thyssenkrupp AG	21/10/2016	3374084	16787786.9	German
3375026	Celgard, LLC	11/11/2016	3375026	16865068.7	
3375084	ABB Schweiz AG	07/11/2016	3375084	16791053.8	
3375252	Presezzi Extrusion S.p.A.	11/11/2016	3375252	16812817.1	
3376110	Ansaldo Energia S.p.A.	13/03/2018	3376110	18161522.0	
3378289	Tridonic GmbH & Co. KG	07/11/2016	3378289	16795271.2	German
3378573	The Boeing Company	20/03/2018	3378573	18162837.1	
3379342	Officine Panerai AG	22/03/2017	3379342	17162423.2	French
3380235	Eramet IFP Energies nouvelles	24/11/2016	3380235	16801228.4	French
3380416	Ferag AG	23/11/2016	3380416	16805269.4	German
3380900	VINATI S.R.L.	18/11/2016	3380900	16798171.1	
3384146	Finn Associates (Businesscare) Limited Merlin Fuel Technology Limited	10/10/2016	3384146	16787512.9	
3385926	Wincor Nixdorf International GmbH	15/03/2018	3385926	18161902.4	German
3386520	The Regents of the University of California	08/12/2016	3386520	16873857.3	
3387161	General Electric Company	11/12/2015	3387161	15830986.4	
3387640	LG Electronics Inc.	01/04/2016	3387640	16873169.3	
3389188	Hamilton Sundstrand Corporation	13/04/2018	3389188	18167344.3	
3389636	Regeneron Pharmaceuticals, Inc.	16/12/2016	3389636	16820541.7	

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3389981	Imflux Inc.	08/12/2016	3389981	16820424.6	
3390791	Volvo Truck Corporation	14/12/2016	3390791	16812727.2	
3390866	Transmission CVT Corp Inc.	08/12/2016	3390866	16871869.0	
3391538	Nordic Semiconductor ASA	31/10/2016	3391538	16788787.6	
3392161	Obrist Closures Switzerland GmbH	20/04/2018	3392161	18168600.7	
3393002	Infineon Technologies Austria AG	09/04/2018	3393002	18166258.6	
3393096	Mitsubishi Electric Corporation	27/01/2016	3393096	16887901.3	
3393742	Compagnie Générale des Etablissements Michelin	20/12/2016	3393742	16826418.2	French
3394139	Sika Technology AG	20/12/2016	3394139	16826721.9	German
3394526	Carrier Corporation	21/12/2015	3394526	15825733.7	
3395032	NEC Corporation	08/04/2016	3395032	16719228.5	
3397568	Teamplast B.V.	31/12/2015	3397568	15823343.7	
3398278	Telefonaktiebolaget LM Ericsson (PUBL)	30/12/2015	3398278	15820180.6	
3399321	Greenlee Tools, Inc.	27/04/2018	3399321	18169718.6	
3399640	Mitsuba Corporation	22/12/2016	3399640	16881696.5	
3400656	Blue Danube Systems, Inc.	06/01/2017	3400656	17701219.2	
3401149	Volvo Car Corporation	09/05/2017	3401149	17170212.9	
3401411	Capex Invest GmbH	08/05/2018	3401411	18171147.4	German
3402239	Huawei Technologies Co., Ltd.	20/01/2016	3402239	16885594.8	
3403000	BPW Bergische Achsen KG	05/01/2017	3403000	17703018.6	German
3403123	Corning Optical Communications LLC	12/01/2017	3403123	17701966.8	
3403972	Otis Elevator Company	14/05/2018	3403972	18172172.1	
3404865	Qualcomm Incorporated	22/07/2010	3404865	18182875.7	
3405420	Entrust Corporation	20/01/2017	3405420	17742003.1	
3405835	Centre National de la Recherche Scientifique Université de Limoges	20/01/2017	3405835	17706278.3	French
3406312	Nintendo Co., Ltd.	21/08/2017	3406312	17187041.3	
3406659	Sika Hamatite Co., Ltd.	10/01/2017	3406659	17741241.8	
3406880	Nissan Motor Co., Ltd.	20/12/2016	3406880	16886516.0	
3408929	ABB Schweiz AG	27/01/2017	3408929	17701534.4	
3409243	TriVascular, Inc.	30/07/2014	3409243	18183721.2	
3410138	Toyota Jidosha Kabushiki Kaisha	26/04/2018	3410138	18169432.4	
3410701	NXP B.V.	05/04/2018	3410701	18165857.6	
3412708	Zeon Corporation	26/01/2017	3412708	17747304.8	

3414126	Adient US LLC	14/09/2016	3414126	16763870.9	German
3415397	Bombardier Transportation GmbH	28/05/2018	3415397	18174616.5	German
3415579	Furukawa Electric Co., Ltd.	16/12/2016	3415579	16889956.5	
3415693	Hitachi Construction Machinery Co., Ltd.	08/09/2017	3415693	17855675.9	
3415900	Sony Group Corporation	14/11/2016	3415900	16889905.2	
3415957	IFP Energies nouvelles	17/05/2018	3415957	18305611.8	French
3416697	Koninklijke Philips N.V.	09/02/2017	3416697	17703171.3	
3419545	Covidien LP	24/02/2017	3419545	17757252.6	
3419944	SAINT-GOBAIN GLASS FRANCE	23/02/2017	3419944	17710352.0	French
3420296	NAVAL GROUP	24/02/2017	3420296	17706822.8	French
3420396	Akonia Holographics, LLC	20/06/2017	3420396	17816087.5	
3420547	Siteco GmbH	22/02/2017	3420547	17707232.9	German
3420620	Eaton Intelligent Power Limited	25/01/2017	3420620	17702432.0	
3421204	Tecnostrutture SRL	27/06/2018	3421204	18180221.6	
3422472	Beijing Xiaomi Mobile Software Co., Ltd.	29/06/2018	3422472	18180990.6	
3422919	Z Intellectual Property Holding Company, LLC	02/03/2017	3422919	17760852.8	
3423029	Unilever Global IP Limited	26/01/2017	3423029	17701351.3	
3423395	KHS GmbH	20/01/2017	3423395	17700968.5	German
3424107	Amphenol-tuchel Electronics GmbH	23/02/2017	3424107	17707516.5	German
3424119	Doosan Fuel Cell America, Inc.	21/02/2017	3424119	17760482.4	
3424451	Medtronic Sofamor Danek, Co., Ltd.	28/02/2017	3424451	17760007.9	
3424788	CLAAS Selbstfahrende Erntemaschinen GmbH	21/03/2018	3424788	18163100.3	German
3425155	Athmer OHG	22/06/2018	3425155	18179302.7	German
3425257	Nissan Motor Co., Ltd.	29/09/2016	3425257	16892654.1	
3426334	CYTO365 AB	07/03/2017	3426334	17709062.8	
3426417	Koninklijke Philips N.V.	08/03/2017	3426417	17710698.6	
3426755	Monty Miracle Ltd	09/03/2017	3426755	17721052.3	
3427408	QUALCOMM Incorporated	19/01/2017	3427408	17702498.1	
3427548	OSRAM GmbH	16/02/2017	3427548	17707202.2	German
3428696	ALANOD GmbH & Co. KG	12/10/2017	3428696	17196142.8	German
3429886	ZF CV Systems Europe BV	06/02/2017	3429886	17704663.8	German
3429943	Pörner Ingenieurgesellschaft mbH	15/03/2017	3429943	17710912.1	German
3433217	Sika Technology AG	21/03/2017	3433217	17710997.2	German



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3434610	Fuji Seal International, Inc.	01/02/2017	3434610	17769664.8	
3435452	LG Energy Solution, Ltd. Sogang University Research Foundation	28/02/2018	3435452	18764724.3	
3436202	Rattunde AG	22/03/2017	3436202	17712976.4	German
3436457	BASF SE	29/03/2017	3436457	17714230.4	
3436585	Avidity Biosciences, Inc.	31/03/2017	3436585	17776795.1	
3436813	7905122 Canada Inc.	01/09/2016	3436813	16895767.8	
3437855	LINTEC Corporation	28/03/2017	3437855	17775084.1	
3438023	Becton Dickinson Rowa Germany GmbH	01/08/2017	3438023	17184245.3	German
3438846	Hitachi, Ltd.	28/03/2016	3438846	16896755.2	
3439249	NEC Corporation	27/03/2017	3439249	17774846.4	
3439556	Medtronic MiniMed, Inc.	04/04/2017	3439556	17719089.9	
3440472	Commissariat à l'Énergie Atomique et aux Énergies Alternatives	28/03/2017	3440472	17713306.3	French
3440643	Lavazza Professional UK Limited	06/04/2017	3440643	17728912.1	
3441400	Pieris Pharmaceuticals GmbH	20/11/2013	3441400	18191093.6	
3441408	medi GmbH & Co. KG	09/08/2017	3441408	17185611.5	
3441864	Samsung Electronics Co., Ltd.	06/02/2017	3441864	17779263.7	
3442976	The Regents of The University of Michigan	06/04/2017	3442976	17717993.4	
3443401	Universitetet I Tromsø - Norges Arktiske Universitet	12/04/2017	3443401	17718592.3	
3443553	Limix S.r.l.	14/04/2017	3443553	17718339.9	
3443983	Pfizer Inc.	06/02/2015	3443983	18191446.6	
3444160	Volvo Truck Corporation	28/01/2014	3444160	18192878.9	
3444198	Kao Corporation	14/04/2017	3444198	17782497.6	
3444917	Samsung SDI Co., Ltd.	20/03/2017	3444917	17782582.5	
3445234	Koninklijke Philips N.V.	18/04/2017	3445234	17718357.1	
3445683	Krones Aktiengesellschaft	21/02/2017	3445683	17708708.7	German
3446508	Cummings, Mark	21/04/2017	3446508	17786706.6	
3446566	Panasonic Intellectual Property Management Co., Ltd.	13/08/2018	3446566	18188647.4	
3447129	Sumitomo Pharma Co., Ltd. Riken Sumitomo Chemical Company, Limited	21/04/2017	3447129	17786064.0	
3447368	STANLEY ELECTRIC CO., LTD.	23/08/2018	3447368	18190515.9	

3448109	Huawei Technologies Co., Ltd.	13/05/2016	3448109	16901358.8	
3448184	Philip Morris Products S.A.	07/04/2017	3448184	17715202.2	
3448498	VisCardia, Inc.	27/04/2017	3448498	17722337.7	
3448626	Kastanienbaum GmbH	21/04/2017	3448626	17719239.0	
3450254	HONDA MOTOR CO., LTD.	30/08/2018	3450254	18191775.8	
3451128	Samsung Electronics Co., Ltd.	13/08/2014	3451128	18201869.7	
3451170	Hitachi Astemo, Ltd.	19/04/2017	3451170	17789380.7	
3451305	Panasonic Intellectual Property Management Co., Ltd.	24/08/2018	3451305	18190713.0	
3452217	Hahn-Schickard-Gesellschaft für angewandte Forschung e.V.	27/04/2017	3452217	17719615.1	German
3452339	Delphi Technologies, Inc.	19/04/2017	3452339	17792994.0	
3453083	Raytheon Company	01/02/2017	3453083	17711810.6	
3453540	ATERA GmbH	26/07/2018	3453540	18185674.1	German
3454597	LG Electronics Inc.	27/04/2017	3454597	17792838.9	
3455607	Nova Biomedical Corporation	11/05/2016	3455607	16901813.2	
3456032	Sony Group Corporation	10/05/2017	3456032	17728453.6	
3458426	SAINT-GOBAIN WEBER	11/05/2017	3458426	17727653.2	French
3458521	Neste Corporation	16/05/2017	3458521	17729174.7	
3459143	Electro Expo Limited	16/05/2017	3459143	17732530.5	
3459790	STANLEY ELECTRIC CO., LTD.	25/09/2018	3459790	18196583.1	
3459940	Suzhou Sinovent Pharmaceuticals Co., Ltd.	25/04/2017	3459940	17798613.0	
3460068	Heilongjiang Eppen New Materials Co., Ltd.	16/05/2017	3460068	17798710.4	
3460304	Zhejiang Helen Plastic Co., Ltd.	09/05/2018	3460304	18171504.6	
3460923	TE Connectivity Corporation	20/09/2018	3460923	18195684.8	
3463134	DOT Medical Ltd	07/06/2017	3463134	17730899.6	
3463706	Vallourec Deutschland GmbH	31/05/2017	3463706	17729820.5	
3464664	Arcelormittal	23/05/2017	3464664	17728257.1	
3465009	Nuovo Pignone Tecnologie SrL	30/05/2017	3465009	17727569.0	
3465236	Fogale Nanotech	25/04/2017	3465236	17723638.7	French
3466253	Big Dutchman International GmbH	09/10/2018	3466253	18199226.4	German
3466930	GENERAL MILLS, INC.	07/02/2014	3466930	18201716.0	
3467457	Sonion Nederland B.V.	24/01/2019	3467457	19153514.5	
3467606	Kubota Corporation	30/05/2016	3467606	16903934.4	

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3467850	Sumitomo Electric Industries, Ltd. Sumitomo Electric Sintered Alloy, Ltd.	17/05/2017	3467850	17806382.2	
3469567	Brain Corporation	09/06/2017	3469567	17811081.3	
3470280	Kubota Corporation	01/06/2018	3470280	18175560.4	
3470560	MARZOLI MACHINES TEXTILE S.r.l.	09/10/2018	3470560	18199453.4	
3470907	HTC Corporation	20/06/2018	3470907	18178886.0	
3471256	Infineon Technologies Austria AG	09/10/2018	3471256	18199218.1	
3473271	The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services The Hong Kong University of Science and Technology	31/07/2015	3473271	18209632.1	
3477067	Yanmar Power Technology Co., Ltd.	29/03/2017	3477067	17814975.3	
3477504	SAP SE	30/11/2017	3477504	17001969.9	
3479159	Tunable AS	22/06/2017	3479159	17732103.1	
3480787	Siemens Healthcare GmbH	15/06/2018	3480787	18177904.2	
3482074	ZF Friedrichshafen AG Vestas Wind Systems A/S	26/06/2017	3482074	17734045.2	German
3483352	Atelier de l'Avenir SCRLF Université de Liège	13/11/2018	3483352	18206079.8	French
3484533	Universidade Católica Portuguesa	12/07/2017	3484533	17749537.1	
3485747	Nicoventures Trading Limited	09/10/2013	3485747	18207065.6	
3486008	General Electric Company	06/11/2018	3486008	18204746.4	
3486208	Shijiazhuang Nuron Brake Co. Ltd	19/04/2017	3486208	17893542.5	
3487605	W. L. Gore & Associates Technologies (Shenzhen) Co., Ltd. W. L. Gore & Associates, Inc.	20/07/2016	3487605	16909179.0	
3489727	Tokai Optical Co., Ltd.	01/08/2017	3489727	17843336.3	
3489776	OMRON CORPORATION	10/09/2018	3489776	18193416.7	
3490107	Hamilton Sundstrand Corporation	27/11/2018	3490107	18208460.8	
3491330	Centre National de la Recherche Scientifique	25/07/2017	3491330	17752304.0	French
3491885	Telefonaktiebolaget LM Ericsson (PUBL)	27/07/2016	3491885	16750129.5	
3492603	Inguran, LLC	04/03/2013	3492603	19153112.8	

3492753	Hitachi Construction Machinery Co., Ltd.	07/03/2018	3492753	18775063.3	
3492806	Valeo Vision Belgique	28/11/2018	3492806	18208903.7	French
3493259	Liquidleds Lighting Corp.	25/05/2016	3493259	19153110.2	
3494106	Journey Medical Corporation	01/08/2017	3494106	17757600.6	
3494939	Becton, Dickinson and Company	22/11/2018	3494939	18207776.8	
3495068	Thirion, Edgar Henri Gérard Albert	15/11/2010	3495068	18000683.5	French
3496903	Hilti Aktiengesellschaft	31/07/2017	3496903	17743363.8	German
3497611	Widex A/S	15/08/2016	3497611	16759991.9	
3497743	Microsoft Technology Licensing, LLC	03/08/2017	3497743	17751223.3	
3500135	IKEA Supply AG	18/08/2017	3500135	17841761.4	
3501231	LG Electronics Inc.	08/08/2017	3501231	17843844.6	
3502053	Nippon Soda Co., Ltd.	01/08/2017	3502053	17841372.0	
3502463	General Electric Company	17/12/2018	3502463	18213154.0	
3502938	Deutsche Telekom AG	20/12/2017	3502938	17208760.3	
3503021	CANON KABUSHIKI KAISHA	21/12/2018	3503021	18215256.1	
3503250	Samsung SDI Co., Ltd.	29/06/2017	3503250	17841609.5	
3503516	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	05/11/2018	3503516	18204233.3	
3503589	GN Hearing A/S	22/06/2015	3503589	19157184.3	
3503679	NXP USA, Inc.	20/12/2017	3503679	17306854.5	
3503761	L'OREAL	09/08/2017	3503761	17748508.3	
3504584	Samsung Electronics Co., Ltd.	07/12/2017	3504584	17878773.5	
3504689	HUF Hülbeck & Fürst GmbH & Co. KG	20/10/2017	3504689	17793885.9	German
3506420	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	19/10/2018	3506420	18201528.9	
3506422	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	28/09/2018	3506422	18197534.3	
3506647	Apple Inc.	23/09/2016	3506647	19156242.0	
3507328	Dow Global Technologies LLC	30/08/2016	3507328	16914466.4	
3507526	Flender GmbH	22/08/2017	3507526	17761049.0	German
3507904	Analog Devices International Unlimited Company	30/08/2017	3507904	17777950.1	

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3508518	Teijin Limited	25/08/2017	3508518	17846365.9	
3508612	Kohler Co.	03/01/2019	3508612	19150244.2	
3508709	General Electric Company	20/12/2018	3508709	18214622.5	
3508865	Delta Electronics (Thailand) Public Co., Ltd.	08/01/2018	3508865	18150641.1	
3508930	Siemens Aktiengesellschaft	03/06/2015	3508930	19000060.4	German
3509103	BOE Technology Group Co., Ltd.	24/07/2017	3509103	17838114.1	
3510221	Dr. Hahn GmbH & Co. KG	10/01/2017	3510221	17700795.2	German
3511629	Rational International AG	11/01/2019	3511629	19151353.0	German
3511912	Glory Ltd.	27/09/2017	3511912	17858269.8	
3512182	Samsung Electronics Co., Ltd.	16/01/2019	3512182	19152092.3	
3513605	MediaTek Inc.	29/09/2017	3513605	17855004.2	
3514099	Siemens Gamesa Renewable Energy Service GmbH	17/01/2019	3514099	19152263.0	German
3514335	Raytheon Technologies Corporation	10/01/2019	3514335	19151161.7	
3515277	Brainlab Robotics GmbH	13/09/2017	3515277	17768749.8	German
3515640	Hilti Aktiengesellschaft	12/09/2017	3515640	17764611.4	German
3516349	Espera-Werke GmbH	20/06/2017	3516349	17731550.4	German
3519232	DAV	28/09/2017	3519232	17778253.9	French
3519946	Intel Corporation	30/08/2017	3519946	17857143.6	
3520166	Valeo Systemes Thermiques	27/09/2017	3520166	17787218.1	French
3520753	Daio Paper Corporation	11/05/2017	3520753	17855248.5	
3520985	Stratasys Ltd.	13/03/2014	3520985	19161358.7	
3521145	Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)	05/09/2017	3521145	17855612.2	
3521692	Valeo Vision	29/01/2019	3521692	19154321.4	French
3521699	Prolicht GmbH	01/02/2018	3521699	18154695.3	German
3523110	Husky Injection Molding Systems Limited	05/09/2017	3523110	17857722.7	
3523302	Array Biopharma, Inc.	10/10/2017	3523302	17787844.4	
3523667	Koninklijke Philips N.V.	02/10/2017	3523667	17772742.7	
3524225	The Procter & Gamble Company	28/01/2019	3524225	19153863.6	
3524227	The Procter & Gamble Company	28/01/2019	3524227	19153867.7	
3524428	Hitachi Metals, Ltd.	25/01/2019	3524428	19275010.7	
3524465	Aptiv Technologies Limited	08/02/2018	3524465	18155746.3	
3524552	Paper Converting Machine Company Italia S.p.A.	13/09/2013	3524552	19166557.9	

3524695	Personal Genomics S.r.l.	13/02/2018	3524695	18156490.7	
3524877	MENTOR GmbH & Co. Präzisions- Bauteile KG	07/02/2019	3524877	19000073.7	German
3524944	Halliburton Energy Services Inc.	27/05/2010	3524944	19165852.5	
3524972	Japan Aviation Electronics Industry, Limited Tohoku University	20/09/2017	3524972	17858197.1	
3525039	View, Inc.	31/03/2010	3525039	19166116.4	
3525282	Aptiv Technologies Limited	24/01/2019	3525282	19153509.5	
3525397	Huawei Technologies Co., Ltd.	27/10/2017	3525397	17868232.4	
3525415	CANON KABUSHIKI KAISHA	07/02/2019	3525415	19155931.9	
3526032	Kingspan Holdings (IRL) Limited	04/10/2017	3526032	17781455.5	
3526102	TRW Limited ZF Automotive Germany GmbH	12/10/2017	3526102	17787562.2	
3526603	F. Hoffmann-La Roche AG	10/10/2017	3526603	17790980.1	
3527333	Tecan Trading AG	20/02/2018	3527333	18157645.5	
3527519	Bundesdruckerei GmbH	15/02/2019	3527519	19157345.0	German
3527953	Hohner Automation S.L.	14/02/2018	3527953	18382082.8	
3528592	Philip Morris Products S.A.	15/12/2014	3528592	19161040.1	
3528973	Belimed Life Science AG	19/10/2017	3528973	17791938.8	German
3529152	FACC AG	21/10/2016	3529152	16784899.3	German
3529900	Huawei Technologies Co., Ltd.	05/04/2017	3529900	17716177.5	
3529924	Northeastern University	21/10/2017	3529924	17804013.5	
3530037	Huawei Technologies Co., Ltd.	01/11/2017	3530037	17867958.5	
3530730	RIKEN SUMITOMO CHEMICAL COMPANY, LIMITED	31/10/2012	3530730	19168764.9	
3530909	Hamilton Sundstrand Corporation	13/02/2019	3530909	19156984.7	
3531397	Mitsubishi Electric Corporation	20/10/2017	3531397	17862522.4	
3531457	Infineon Technologies Austria AG	26/02/2018	3531457	18158715.5	
3531564	Wilson Electronics, LLC	21/02/2019	3531564	19158662.7	
3532062	Escalier Biosciences, BV	27/10/2017	3532062	17865163.4	
3532798	Telefonaktiebolaget LM Ericsson (PUBL)	28/10/2016	3532798	16788115.0	
3532856	Allegro MicroSystems, LLC	31/10/2017	3532856	17809079.1	
3534279	3D Systems, Incorporated	09/11/2009	3534279	19169383.7	
3534411	The Boeing Company	05/02/2019	3534411	19155510.1	

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3534603	Kyocera Corporation	18/10/2017	3534603	17863548.8	
3535872	Huawei Technologies Co., Ltd.	28/11/2016	3535872	16808584.3	
3536413	SMS Group GmbH	04/03/2019	3536413	19160565.8	German
3536467	Soinn Inc.	01/11/2017	3536467	17866909.9	
3537751	Huawei Technologies Co., Ltd.	28/11/2016	3537751	16922291.6	
3537812	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	12/01/2018	3537812	18874985.7	
3538515	Ramot at Tel-Aviv University Ltd.	07/11/2017	3538515	17869620.9	
3538900	O.I. Corporation	08/11/2017	3538900	17869947.6	
3539046	Samsung Electronics Co., Ltd.	24/01/2018	3539046	18745235.4	
3539270	Telefonaktiebolaget LM Ericsson (PUBL)	10/11/2017	3539270	17797629.7	
3539971	Universidade de Santiago de Compostela Universidad Autónoma de Madrid	10/11/2017	3539971	17869235.6	
3540257	Meritor Heavy Vehicle Braking Systems (UK) Limited	15/08/2013	3540257	19170249.7	
3540547	Gebhardt Fördertechnik GmbH	13/02/2019	3540547	19156968.0	German
3540840	LG Energy Solution, Ltd.	21/03/2018	3540840	18777879.0	
3541118	Telefonaktiebolaget LM Ericsson (publ)	03/11/2016	3541118	19154297.6	
3541201	The Coca-Cola Company	15/11/2017	3541201	17872421.7	
3541402	Pekna, Marcela Pekny, Milos Stokowska, Anna	20/11/2017	3541402	17809224.3	
3541999	Junttan OY	17/11/2016	3541999	16816716.1	
3542171	Witricity Corporation	20/11/2017	3542171	17871487.9	
3542528	Robert Bosch GmbH	21/11/2016	3542528	16805332.0	German
3542741	Globus Medical, Inc.	12/11/2018	3542741	18205734.9	
3544032	Hitachi Energy Switzerland AG	19/03/2018	3544032	18162517.9	
3544038	Kuraray Co., Ltd.	13/11/2017	3544038	17871392.1	
3544399	Sanko Tekstil Isletmeleri San. Ve Tic. A.S.	20/03/2018	3544399	18162715.9	
3545111	Environmental Clean Technologies Limited	22/11/2017	3545111	17874670.7	
3545285	General Electric Company	30/10/2017	3545285	17872987.7	
3545699	Motorola Solutions, Inc.	13/12/2017	3545699	17829074.8	

3545824	Sony Group Corporation	28/02/2019	3545824	19159879.6	
3546155	Braun GmbH	29/03/2018	3546155	18164823.9	
3547078	Kyocera Corporation	10/11/2017	3547078	17873994.2	
3547600	Quantumctek (Guangdong) Co., Ltd.	22/11/2017	3547600	17874729.1	
3547678	Panasonic Intellectual Property Management Co., Ltd.	29/10/2018	3547678	18889962.9	
3547712	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	05/02/2019	3547712	19155443.5	
3548144	Anomera Inc.	30/11/2017	3548144	17825124.5	
3548313	Compagnie Générale des Etablissements Michelin	30/11/2017	3548313	17817798.6	French
3548327	Volvo Truck Corporation	01/12/2016	3548327	16805104.3	
3548750	Halliburton Energy Services, Inc.	08/02/2018	3548750	18751474.0	
3548793	General Electric Company	29/08/2017	3548793	17767949.5	
3550904	Huawei Technologies Co., Ltd.	23/11/2017	3550904	17890382.9	
3550917	Datang Mobile Communications Equipment Co., Ltd.	22/08/2017	3550917	17876775.2	
3551969	YSI, Inc.	06/12/2017	3551969	17877796.7	
3552058	EV Group E. Thallner GmbH	23/10/2017	3552058	17791041.1	German
3552130	Hewlett-Packard Development Company, L.P.	27/04/2017	3552130	17907673.2	
3552345	Bundesdruckerei GmbH	05/12/2017	3552345	17811277.7	German
3553442	Excello Co., Ltd. Park, Seung Jae	29/01/2018	3553442	18747325.1	
3553501	Otsuka Pharmaceutical Co., Ltd.	05/12/2017	3553501	17877866.8	
3553777	Dolby Laboratories Licensing Corporation	28/06/2018	3553777	18180399.0	
3553824	Sony Semiconductor Solutions Corporation	01/11/2018	3553824	18878386.4	
3554094	Optim Corporation	12/12/2016	3554094	16923843.3	
3554553	Sarepta Therapeutics, Inc.	13/12/2017	3554553	17832401.8	
3555489	Sr Systems, LLC	15/12/2017	3555489	17880734.3	
3555633	Siemens Healthcare Diagnostics Inc.	12/12/2017	3555633	17881339.0	
3555714	Endress+Hauser Process Solutions AG	30/10/2017	3555714	17793925.3	German
3555933	Milwaukee Electric Tool Corporation	18/12/2017	3555933	17880519.8	
3556101	Rovi Guides, Inc.	13/12/2016	3556101	16822852.6	



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3557117	AUDI AG	07/03/2019	3557117	19161168.0	German
3557811	Huawei Technologies Co., Ltd.	14/09/2018	3557811	18878868.1	
3558851	Sandvik Intellectual Property AB	20/12/2016	3558851	16826314.3	
3559178	ELKEM SILICONES France SAS	18/12/2017	3559178	17829223.1	French
3559484	Ludwig Hettich Holding GmbH & Co. KG	21/12/2017	3559484	17826238.2	German
3559581	Alfa Laval Corporate AB	01/12/2017	3559581	17807877.0	
3559807	NetApp, Inc.	20/12/2017	3559807	17828822.1	
3560040	Techno Group S.R.L.	21/12/2017	3560040	17830023.2	
3560806	Rakuten Group, Inc.	21/12/2016	3560806	16924616.2	
3561215	Dallan S.p.A.	12/04/2019	3561215	19168834.0	
3561222	Evolution Engineering Inc.	25/02/2014	3561222	19176893.6	
3561239	Raytheon Technologies Corporation	26/04/2019	3561239	19171269.4	
3561425	Evonik Operations GmbH	23/04/2019	3561425	19170529.2	German
3561506	Microjet Technology Co., Ltd	14/02/2019	3561506	19157118.1	
3561701	Siemens Aktiengesellschaft	23/04/2018	3561701	18168764.1	German
3562338	Juul Labs, Inc.	27/12/2017	3562338	17832687.2	
3562601	Waldner Laboreinrichtungen GmbH & Co. KG	28/12/2017	3562601	17823176.7	German
3563157	Technische Universiteit Eindhoven	02/01/2018	3563157	18700041.9	
3563261	Bundesdruckerei GmbH	27/12/2017	3563261	17826526.0	German
3563534	Intel Corporation	29/11/2017	3563534	17887956.5	
3565001	Sony Group Corporation	09/04/2015	3565001	19181062.1	
3565017	Japan Advanced Institute of Science and Technology Nisshinbo Holdings Inc.	26/12/2017	3565017	17886970.7	
3565023	LG Energy Solution, Ltd.	02/04/2018	3565023	18784544.1	
3565298	Huawei Technologies Co., Ltd.	04/01/2018	3565298	18739190.9	
3565470	Accuray Incorporated	05/01/2018	3565470	18701863.5	
3566239	TE Connectivity Corporation	29/12/2017	3566239	17835877.6	
3566309	Disruptive Technologies Research AS Moldsvor, Oystein	16/03/2017	3566309	17720567.1	
3567245	General Electric Company	11/05/2018	3567245	18382325.1	
3567388	Siemens Mobility GmbH	09/05/2018	3567388	18171417.1	
3567481	Citrix Systems, Inc.	02/04/2019	3567481	19166886.2	
3567977	Huawei Technologies Co., Ltd.	28/06/2012	3567977	19152207.7	
3568118	Loria Pharmaceutical, LLC	12/01/2018	3568118	18738921.8	

3568530	Grohe AG	16/01/2018	3568530	18703901.1	German
3568594	Schmidt, Patrick	11/01/2018	3568594	18702899.8	German
3568621	Grohe AG	16/01/2018	3568621	18704404.5	German
3569254	Oxford University Innovation Limited	15/04/2010	3569254	19178842.1	
3569925	LG Chem, Ltd.	19/11/2018	3569925	18881823.1	
3569982	Clarion Co., Ltd.	26/10/2017	3569982	17890879.4	
3570465	NXP B.V.	03/05/2019	3570465	19172589.4	
3570655	Agco Do Brasil Soluções Agrícolas Ltda Precision Planting LLC	23/01/2018	3570655	18742124.3	
3570691	Philip Morris Products S.A.	25/05/2018	3570691	18728092.0	
3571584	Hewlett-Packard Development Company, L.P.	19/04/2017	3571584	17906021.5	
3572409	Chia Tai Tianqing Pharmaceutical Group Co., Ltd. Lianyungang Runzhong Pharmaceutical Co., Ltd. Centaurus BioPharma Co., Ltd.	22/01/2018	3572409	18742199.5	
3572410	Medivir Aktiebolag	24/08/2015	3572410	19177824.0	
3572781	PII Pipetronix GmbH	24/05/2018	3572781	18174117.4	
3574166	WP Systems GmbH	19/01/2018	3574166	18702909.5	German
3575173	VOLVO TRUCK CORPORATION	03/03/2016	3575173	19184616.1	
3575299	Cancer Research Technology Limited	27/02/2015	3575299	19173169.4	
3575836	LG Chem, Ltd.	25/01/2018	3575836	18744109.2	
3576445	ZTE Corporation	29/12/2017	3576445	17893891.6	
3576939	Dimension-Polyant GmbH	02/02/2018	3576939	18706419.1	German
3578500	Manitowoc Crane Companies, LLC	03/06/2019	3578500	19177876.0	
3578829	Eagle Industry Co., Ltd.	26/01/2018	3578829	18748451.4	
3580542	Koninklijke Philips N.V.	05/02/2018	3580542	18703311.3	
3580730	Semiconductor Technologies & Instruments Pte Ltd.	08/02/2018	3580730	18751098.7	
3580876	QUALCOMM Incorporated	08/02/2018	3580876	18705808.6	
3580893	NEC Corporation	03/05/2018	3580893	18724799.4	
3581057	ABA Hörtnagl GmbH	29/05/2019	3581057	19177159.1	German
3581331	W-M GLASS Sp. z o.o.	13/06/2018	3581331	18460034.4	
3582043	Siemens Aktiengesellschaft	12/06/2018	3582043	18177170.0	German
3582441	Juniper Networks, Inc.	27/03/2019	3582441	19165656.0	

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3582766	University Of South Florida	16/02/2018	3582766	18753852.5	
3582989	Mubea Carbo Tech GmbH	09/02/2018	3582989	18706442.3	
3584140	Volkswagen AG	28/05/2019	3584140	19176904.1	German
3584519	Heatcraft Refrigeration Products LLC	21/05/2019	3584519	19175595.8	
3584849	Intel Corporation	07/05/2019	3584849	19173097.7	
3585637	Audi AG	15/02/2018	3585637	18707649.2	German
3585638	Audi AG	23/02/2018	3585638	18708623.6	German
3585653	Renault s.a.s	13/02/2018	3585653	18706820.0	French
3586304	Yougetitback Limited	23/02/2018	3586304	18710215.7	
3586464	QUALCOMM Incorporated	25/01/2018	3586464	18705219.6	
3587297	Seal and Pack Co., Ltd.	04/04/2018	3587297	18787801.2	
3588193	Lexmark International, Inc.	10/04/2019	3588193	19168438.0	
3588776	Guoguang Electric Company Limited	14/11/2018	3588776	18206155.6	
3589451	HYTORC Division UNEX Corporation	30/10/2017	3589451	17800693.8	
3590296	Telefonaktiebolaget LM Ericsson (publ)	03/03/2017	3590296	17709034.7	
3590791	VOLKSWAGEN AKTIENGESELLSCHAFT	09/11/2016	3590791	19188108.5	German
3591059	The Regents of the University of California	02/03/2010	3591059	19171420.3	
3591340	Panasonic Intellectual Property Management Co., Ltd.	23/02/2018	3591340	18761110.8	
3592101	Huawei Technologies Co., Ltd.	01/04/2017	3592101	17903926.8	
3592664	Altria Client Services LLC	28/02/2018	3592664	18710976.4	
3594679	Cytiva Sweden AB	23/12/2015	3594679	19186288.7	
3594693	Otsuka Pharmaceutical Co., Ltd.	02/03/2018	3594693	18764043.8	
3596030	Saudi Arabian Oil Company	14/03/2018	3596030	18715367.1	
3596052	Nodthera Limited	12/03/2018	3596052	18711668.6	
3596422	SAAB AB	15/03/2017	3596422	17900510.3	
3596984	Samsung Electronics Co., Ltd.	17/04/2018	3596984	18787590.1	
3597351	Sumitomo Heavy Industries, Ltd.	12/03/2018	3597351	18767578.0	
3597977	Bridgestone Corporation	07/03/2018	3597977	18768064.0	
3598495	BOE Technology Group Co., Ltd. Beijing BOE Display Technology Co., Ltd.	29/09/2017	3598495	17900750.5	
3599425	Grass GmbH	14/06/2019	3599425	19180297.4	German
3600776	Rothenberger AG	31/08/2018	3600776	18773928.9	German
3601022	First Design 1 S.p.A.	21/03/2018	3601022	18717697.9	

3602040	Endress+Hauser Flowtec AG TrueDyne Sensors AG	15/02/2018	3602040	18706469.6	German
3602060	Progastrine et Cancers S.à r.l.	30/03/2018	3602060	18713972.0	
3602061	ECS-Progastrin SA	30/03/2018	3602061	18715644.3	
3602093	Qualcomm Incorporated	29/03/2018	3602093	18718344.7	
3602552	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	29/03/2018	3602552	18714686.5	
3602758	Moving Magnet Technologies	27/03/2018	3602758	18718593.9	French
3602824	Qualcomm Incorporated	06/03/2018	3602824	18716019.7	
3603344	Cynergi S.r.l.	23/03/2018	3603344	18717700.1	
3603762	Castree Projects Limited	22/07/2019	3603762	19187641.6	
3604374	Dai-Ichi Kogyo Seiyaku Co., Ltd.	06/02/2018	3604374	18774657.3	
3604562	Aktiebolaget SKF	22/05/2012	3604562	19188805.6	
3604700	Ningbo Zhuomin Piping & Sanitary Ware Co., Ltd.	06/09/2018	3604700	18193036.3	
3604905	Valeo Vision Belgique	02/08/2019	3604905	19020459.4	French
3605263	Nidec-Shimpo Corporation	01/03/2018	3605263	18776763.7	
3605904	Huawei Technologies Co., Ltd.	31/07/2018	3605904	18844627.2	
3606954	F. Hoffmann-La Roche AG	03/04/2018	3606954	18715026.3	
3607206	SPAL Automotive S.r.l.	06/04/2018	3607206	18720017.5	
3607359	Saudi Arabian Oil Company	04/04/2018	3607359	18720487.0	
3607922	Sony Group Corporation	19/03/2018	3607922	18798797.9	
3611107	Shanghai Hongyan Returnable Transit Packagings Co., Ltd.	21/03/2018	3611107	18783632.5	
3612515	BASF SE	18/04/2018	3612515	18717080.8	
3612527	Takeda Pharmaceutical Company Limited	17/04/2018	3612527	18724623.6	
3613274	Deere & Company	20/08/2019	3613274	19192421.6	
3613558	3D Gence Spółka Z Ograniczona Odpowiedzialnoscia	27/07/2019	3613558	19188730.6	
3613657	Mazda Motor Corporation	13/08/2019	3613657	19191364.9	
3613733	Aptabio Therapeutics Inc.	20/04/2018	3613733	18788031.5	
3614075	Mitsubishi Electric Corporation	08/08/2017	3614075	19202275.4	
3614147	Haplopharma Inc. Tohoku University	20/04/2018	3614147	18787670.1	
3614167	NXP USA, Inc.	23/08/2018	3614167	18190464.0	
3614212	Toshiba Tec Kabushiki Kaisha	19/08/2019	3614212	19192228.5	

3614335	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	20/08/2019	3614335	19192500.7	
3615321	Wobben Properties GmbH	23/03/2018	3615321	18713872.2	German
3615513	Tesaro, Inc.	24/04/2018	3615513	18790167.3	
3615754	Assa Abloy Entrance Systems AB	23/04/2018	3615754	18722924.0	
3616949	BorgWarner Ludwigsburg GmbH	27/08/2018	3616949	18382624.7	
3616952	TOYOTA JIDOSHA KABUSHIKI KAISHA	13/08/2019	3616952	19191394.6	
3617040	MAN Truck & Bus SE	20/08/2019	3617040	19192466.1	German
3617498	General Electric Renovables España S.L.	29/08/2018	3617498	18382633.8	
3617622	LG ELECTRONICS INC.	26/02/2018	3617622	19195858.6	
3617931	Sony Group Corporation	13/04/2018	3617931	18791684.6	
3618277	NXP B.V.	07/08/2019	3618277	19190600.7	
3618548	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	11/08/2017	3618548	17914920.8	
3619467	Signify Holding B.V.	26/04/2018	3619467	18718845.3	
3620071	Hubei China Tobacco Industry Co., Ltd.	14/06/2017	3620071	17908423.1	
3620322	MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA	28/05/2019	3620322	19176936.3	
3621026	Idemia Identity & Security France	29/08/2019	3621026	19194454.5	French
3621275	Huawei Technologies Co., Ltd.	28/04/2018	3621275	18794735.3	
3621528	National University of Ireland, Galway	10/05/2018	3621528	18723834.0	
3621608	Linnea S.A.	09/05/2018	3621608	18722556.0	
3622138	Heiney, Jonathan Garry	16/05/2018	3622138	18801359.3	
3622870	Miele & Cie. KG	30/08/2019	3622870	19194530.2	German
3623163	Horizon International Inc.	12/05/2017	3623163	17909275.4	
3623235	Audi AG	07/08/2019	3623235	19190483.8	German
3623533	LAYJET Micro-Rohr Verleagesellschaft m.b.H.	18/08/2017	3623533	19198557.1	German
3623599	Renault s.a.s	10/09/2019	3623599	19196502.9	French
3623691	Huzhou Mingshuo Optoelectronic Technology Co., Ltd. Tunghsu Optoelectronic Technology Co., Ltd.	29/12/2017	3623691	17908841.4	

3624397	Beijing Sankuai Online Technology Co., Ltd	08/12/2017	3624397	17921697.3	
3625147	JT International SA	15/05/2018	3625147	18722623.8	
3625231	Superb Wisdom Limited	18/05/2018	3625231	18729301.4	
3626000	QUALCOMM Incorporated	15/05/2018	3626000	18728299.1	
3626365	Zhejiang Hailiang Co., Ltd. Zhejiang Keyu Metal Material Co., Ltd. Guangdong Hailiang Copper Industry Co., Ltd.	25/01/2019	3626365	19747429.9	
3626555	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	18/09/2018	3626555	18195300.1	
3626615	Rockwell Collins, Inc.	17/09/2019	3626615	19197718.0	
3627553	NIKON CORPORATION	06/02/2013	3627553	19207099.3	
3627737	QUALCOMM Incorporated	14/09/2017	3627737	19208685.8	
3627739	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	09/06/2017	3627739	17912530.7	
3627891	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	04/08/2017	3627891	17919660.5	
3628159	Sumitomo Chemical Company, Limited	18/05/2018	3628159	18802442.6	
3628260	Medicaroid Corporation	25/09/2019	3628260	19199577.8	
3628490	Heidelberger Druckmaschinen AG	04/09/2019	3628490	19195259.7	German
3628526	MAN Truck & Bus SE	12/09/2019	3628526	19196843.7	German
3628742	Evonik Operations GmbH	17/09/2019	3628742	19197646.3	
3629355	Panasonic Intellectual Property Management Co., Ltd.	23/09/2019	3629355	19198894.8	
3630374	Illinois Tool Works Inc.	17/04/2018	3630374	18723127.9	
3630426	Koninklijke Philips N.V.	22/05/2018	3630426	18730234.4	
3630463	Graf Synergy S.r.l.	22/05/2018	3630463	18732887.7	
3630654	Granitifiandre Societa' Per Azioni	23/04/2018	3630654	18720378.1	
3631252	ContiTech Luftfedersysteme GmbH	01/03/2018	3631252	18709976.7	German
3631608	Hap2u	25/05/2018	3631608	18728832.9	French
3631619	Robert Bosch GmbH	22/03/2018	3631619	18713625.4	German
3632202	SYNGENTA PARTICIPATIONS AG	20/02/2015	3632202	19206737.9	
3632281	Techtronic Cordless GP	04/10/2019	3632281	19201504.8	
3633496	Sony Group Corporation	23/03/2018	3633496	18805554.5	

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3635205	Ningbo Hongdu Model Plastics Co., Ltd.	07/06/2018	3635205	18813836.6	
3635539	BlackBerry Limited	03/05/2018	3635539	18813943.0	
3635567	Sony Semiconductor Solutions Corporation	25/05/2018	3635567	18730458.9	
3636453	Bridgestone Corporation	30/11/2017	3636453	17912939.0	
3636602	Regfilter, S.L.	15/05/2018	3636602	18801607.5	
3636868	SCHÜCO International KG	07/10/2019	3636868	19201794.5	German
3637222	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	11/06/2018	3637222	18819933.5	
3637298	Citrix Systems, Inc.	07/11/2013	3637298	19212886.6	
3637842	Huawei Technologies Co., Ltd.	03/05/2018	3637842	18794386.5	
3637875	Huawei Technologies Co., Ltd.	04/05/2018	3637875	18794209.9	
3638514	Colson Group Holdings, LLC	08/05/2018	3638514	18818180.4	
3638616	Krones AG	22/02/2018	3638616	18707020.6	German
3638657	Merck Patent GmbH	11/06/2018	3638657	18730753.3	German
3639448	Motorola Mobility LLC	13/06/2018	3639448	18737114.1	
3639863	Sumitomo Rubber Industries, Ltd.	14/10/2019	3639863	19203007.0	
3639915	VISCO JET Rührsysteme GmbH	16/10/2018	3639915	18200749.2	German
3640466	Rohr, Inc.	06/08/2019	3640466	19190250.1	
3640639	Honeywell International Inc.	14/10/2019	3640639	19203112.8	
3640675	Infineon Technologies AG	15/10/2019	3640675	19203217.5	
3640924	Fuji Seal International, Inc.	14/06/2018	3640924	18817682.0	
3641039	Panasonic Intellectual Property Management Co., Ltd.	11/10/2019	3641039	19202680.5	
3641087	Bender GmbH & Co. KG	24/09/2019	3641087	19199097.7	German
3642478	Wobben Properties GmbH	21/06/2018	3642478	18735222.4	German
3643600	The Boeing Company	18/10/2019	3643600	19204135.8	
3643623	Parmar, Chandra	24/10/2019	3643623	19205117.5	
3644216	Toshiba Tec Kabushiki Kaisha	22/08/2019	3644216	19193130.2	
3644680	Sharp Kabushiki Kaisha FG Innovation Company Limited	22/06/2018	3644680	18820875.5	
3645127	LABORATOIRES M & L	14/06/2018	3645127	18748977.8	French
3645201	Gühring KG	20/06/2018	3645201	18733242.4	German
3645379	Marquette University	03/05/2018	3645379	18824656.5	
3646427	Wobben Properties GmbH	29/06/2018	3646427	18734818.0	German

3646691	Deere & Company	21/10/2019	3646691	19204243.0	
3647007	Luzifer Lamps, S.L.	21/06/2018	3647007	18824732.4	
3647041	Alterval	30/10/2019	3647041	19206205.7	French
3647140	Huawei Technologies Co., Ltd.	30/06/2017	3647140	17915345.7	
3647250	Otis Elevator Company	19/09/2019	3647250	19198442.6	
3647256	MBF S.p.A.	22/10/2019	3647256	19204490.7	
3647566	Rolls-Royce plc	07/10/2019	3647566	19201604.6	
3647687	Mitsubishi Electric Corporation	26/06/2017	3647687	17915301.0	
3648743	DSM IP Assets B.V.	25/06/2018	3648743	18734203.5	
3649701	Commscope Technologies LLC	02/05/2018	3649701	18828700.7	
3650075	Access Closure, Inc.	19/03/2013	3650075	19213031.8	
3650117	Aushon Biosystems, Inc.	14/11/2012	3650117	19202779.5	
3651680	Tridonic GmbH & Co KG	24/05/2018	3651680	18727772.8	German
	W & H Dentalwerk Bürmoos GmbH				
3653036	Horsch Maschinen GmbH	27/09/2016	3653036	19216995.1	German
3653723	Zymo Research Corporation	10/02/2015	3653723	19192598.1	
3653897	Hong Zheng Technology Corp.	21/09/2018	3653897	18785492.2	
3654418	Contemporary Amperex Technology Co., Limited	30/05/2019	3654418	19177479.3	
3654694	Huawei Technologies Co., Ltd.	09/08/2018	3654694	18844691.8	
3655865	Hyperlync Technologies, Inc.	20/07/2018	3655865	18834991.4	
	Krauss, Gavriel				
	Fox, Harry				
3656174	Huawei Technologies Co., Ltd.	20/07/2018	3656174	18844472.3	
3656258	Hölscher, Manfred	29/10/2019	3656258	19205833.7	German
3656358	DePuy Synthes Products, Inc.	20/10/2017	3656358	19214993.8	
3657270	Korea University Research and Business Foundation, Sejong Campus	14/11/2019	3657270	19209126.2	
3657293	SZ DJI Technology Co., Ltd.	10/12/2015	3657293	19218961.1	
3658776	ING. ENEA MATTEI S.p.A.	27/07/2018	3658776	18758971.8	
3658910	Adey Holdings (2008) Limited	27/07/2018	3658910	18746196.7	
3659810	Ricoh Company, Ltd.	25/11/2019	3659810	19211211.8	
3659831	The Goodyear Tire & Rubber Company	19/11/2019	3659831	19209919.0	
3660640	Samsung Display Co., Ltd.	29/11/2019	3660640	19212417.0	
3660742	Secondmind Limited	30/11/2018	3660742	18209633.9	
3661154	CyberArk Software Ltd.	03/06/2019	3661154	19177818.2	
3661155	Tata Consultancy Services Limited	27/11/2019	3661155	19211728.1	



3661214	LG Electronics Inc.	06/08/2018	3661214	18842329.7	
3661319	ZTE Corporation	29/10/2013	3661319	19198764.3	
3661996	Dow Silicones Corporation	30/07/2018	3661996	18840151.7	
3662368	Samsung Electronics Co., Ltd.	16/08/2018	3662368	18847032.2	
3662579	Technische Universität Dortmund	02/08/2018	3662579	18752713.0	German
3662636	Proclus Technologies Limited	02/08/2018	3662636	18843854.3	
3662798	BSH Hausgeräte GmbH	08/11/2019	3662798	19208014.1	German
3663104	The Yokohama Rubber Co., Ltd.	26/07/2018	3663104	18840874.4	
3663110	The Goodyear Tire & Rubber Company	04/12/2019	3663110	19213579.6	
3663178	Robert Bosch GmbH	05/12/2019	3663178	19213897.2	German
3664787	Uniwersytet Jagiellonski Collegium Medicum Neurolixis	20/07/2018	3664787	18740248.2	
3664980	Sika Technology AG	08/08/2018	3664980	18748935.6	German
3665396	The Comfort Companies, LLC	10/08/2018	3665396	18844683.5	
3666019	LG Electronics Inc.	07/08/2018	3666019	18844628.0	
3666042	Tridonic GmbH & Co. KG	10/09/2018	3666042	18768863.5	German
3666546	Sumitomo Rubber Industries, Ltd.	31/05/2018	3666546	18851306.3	
3667895	Kravtsov, Gleb	28/11/2019	3667895	19212007.9	German
3668200	LG Electronics Inc.	03/08/2018	3668200	18843920.2	
3668677	Genuine Solutions Pte. Ltd.	13/09/2018	3668677	18857042.8	
3668795	Northrop Grumman Systems Corporation	14/08/2018	3668795	18765247.4	
3669525	Microsoft Technology Licensing, LLC	27/06/2018	3669525	18749625.2	
3670128	Arkema France	18/12/2018	3670128	18306720.6	French
3670249	SNCF Voyageurs	19/12/2019	3670249	19217861.4	French
3670317	PGS Geophysical AS	20/12/2019	3670317	19219000.7	
3671067	Valeo Autosystemy SP. Z.O.O.	17/12/2018	3671067	18461645.6	
3671097	Valeo Autosystemy SP. Z.O.O.	19/12/2018	3671097	18461650.6	
3671341	LG Chem, Ltd.	14/08/2018	3671341	18846820.1	
3672271	Huawei Technologies Co., Ltd.	16/04/2019	3672271	19789168.2	
3672297	Huawei Technologies Co. Ltd.	16/04/2019	3672297	19791870.9	
3672832	Indian Motorcycle International, LLC	24/08/2018	3672832	18765337.3	
3673299	Chevron U.S.A. Inc.	24/08/2018	3673299	18772894.4	
3673605	QUALCOMM Incorporated	20/08/2018	3673605	18769911.1	
3673780	Midea Robozone Technology Co., Ltd.	27/12/2019	3673780	19219901.6	
3674243	KONE Corporation	31/12/2018	3674243	18215985.5	

3674283	Kao Corporation	12/06/2018	3674283	18887831.8	
3674303	CURACLE Co., Ltd. Gwangju Institute of Science and Technology Korea Advanced Institute of Science and Technology Kyungpook National University Industry-Academic Cooperation Foundation	24/08/2018	3674303	18848270.7	
3674791	National Institute for Materials Science	11/07/2018	3674791	18847686.5	
3675193	Heesung Materials Co., Ltd. LG Display Co., Ltd.	19/12/2019	3675193	19218119.6	
3675206	Frötek- Vermögensverwaltung GmbH	13/11/2019	3675206	19208750.0	German
3675318	Delta Electronics (Shanghai) Co., Ltd.	13/12/2019	3675318	19216067.9	
3676055	Milwaukee Electric Tool Corporation	28/08/2018	3676055	18850890.7	
3677418	Premium AEROTEC GmbH	18/12/2019	3677418	19217452.2	German
3677497	Kawasaki Jukogyo Kabushiki Kaisha	30/08/2018	3677497	18851538.1	
3677616	Henkel AG & Co. KGaA	04/01/2019	3677616	19382006.5	
3677694	The Regents of The University of Michigan	19/09/2014	3677694	19210010.5	
3677879	Panasonic Intellectual Property Management Co., Ltd.	09/08/2018	3677879	18852370.8	
3678122	Apple Inc.	03/01/2020	3678122	20150268.9	
3678368	Ava Video Security Limited	19/12/2019	3678368	19218137.8	
3679318	Renishaw PLC	31/08/2018	3679318	18762125.5	
3679440	Kabushiki Kaisha Toshiba	20/03/2018	3679440	18717437.0	
3679598	LAM Research Corporation	31/08/2018	3679598	18854360.7	
3679684	Huawei International Pte. Ltd.	29/09/2017	3679684	17926401.5	
3679686	Advanced New Technologies Co., Ltd.	02/09/2019	3679686	19811887.9	
3681020	Hamilton Sundstrand Corporation	18/11/2019	3681020	19209828.3	
3681021	MH Technologies Inc.	31/08/2018	3681021	18850481.5	
3681033	Hamilton Sundstrand Corporation	13/11/2019	3681033	19208980.3	
3681046	NXP B.V.	10/01/2019	3681046	19290003.3	
3681140	Concept Laser GmbH	09/01/2019	3681140	19151042.9	
3681187	NTT DoCoMo, Inc.	09/01/2019	3681187	19315002.6	
3681201	Huawei Technologies Co., Ltd.	26/05/2018	3681201	18869439.2	
3681251	Helvar Oy Ab	14/01/2019	3681251	19151581.6	

3681596	Boston Scientific Neuromodulation Corporation	14/09/2018	3681596	18792581.3	
3682184	FN Herstal S.A.	10/09/2018	3682184	18762865.6	French
3683159	Multi Packaging Solutions UK Limited	14/01/2020	3683159	20151797.6	
3683634	Polski Koncern Naftowy Orlen S.A.	15/01/2019	3683634	19461503.5	
3683689	Elmos Semiconductor SE	19/12/2017	3683689	20161883.2	German
3684653	K.L. Kaschier- und Laminier GmbH	17/05/2019	3684653	19728315.3	German
3684841	Lubrizol Advanced Materials, Inc.	18/09/2018	3684841	18780010.7	
3685743	National University Corporation Tokyo Medical and Dental University TDK Corporation	21/08/2018	3685743	18867849.4	
3686089	DOMAR S.p.A.	17/01/2020	3686089	20152505.2	
3686604	LG CHEM, LTD.	19/10/2018	3686604	18924573.1	
3686739	EMC IP Holding Company LLC	15/01/2020	3686739	20151939.4	
3687152	StradVision, Inc.	11/12/2019	3687152	19215127.2	
3687315	Holdpat S.a.r.l	01/10/2018	3687315	18796163.6	
3687588	Polyganics IP B.V.	01/10/2018	3687588	18812327.7	
3687848	Audi AG	19/09/2018	3687848	18779297.3	German
3688600	Oracle International Corporation	28/09/2018	3688600	18789750.9	
3688658	Nexess	26/09/2018	3688658	18772827.4	French
3688668	Avery Dennison Retail Information Services, LLC	01/10/2018	3688668	18792697.7	
3689485	SMS Group GmbH	23/01/2020	3689485	20153294.2	German
3689715	Autotech Engineering Deutschland GmbH	08/02/2019	3689715	19156206.5	German
3689716	JFE Steel Corporation	01/08/2018	3689716	18863152.7	
3689952	Sumitomo Rubber Industries, Ltd.	30/12/2019	3689952	19220030.1	
3691149	Nippon Telegraph And Telephone Corporation	25/09/2018	3691149	18857496.6	
3691156	Huawei Technologies Co., Ltd.	23/10/2017	3691156	17929738.7	
3691167	Huawei Technologies Co., Ltd.	27/10/2018	3691167	18878590.1	
3691506	Micronclean Limited	01/10/2018	3691506	18782173.1	
3691942	ZF CV Systems Europe BV	24/08/2018	3691942	18762476.2	German
3692405	Prysmian S.p.A.	06/10/2017	3692405	17780728.6	
3692598	TDF Université de Rennes I	04/10/2018	3692598	18793251.2	French
3692675	Telefonaktiebolaget LM Ericsson (Publ)	31/10/2018	3692675	18811069.6	

3692951	DePuy Ireland Unlimited Company	17/01/2020	3692951	20152508.6	
3693122	Bystronic Laser AG	28/11/2011	3693122	20164668.4	
3693253	Schmitz Cargobull AG	08/02/2019	3693253	19156209.9	German
3693723	Uhlig Wel-Cor GmbH	30/01/2020	3693723	20000048.7	German
3694416	CSEM Centre Suisse d'Electronique et de Microtechnique SA - Recherche et Développement	10/10/2018	3694416	18793015.1	
3695435	Advanced Energy Industries, Inc.	11/10/2018	3695435	18796274.1	
3695680	QUALCOMM Incorporated	13/09/2018	3695680	18779950.7	
3695996	Schmitz Cargobull AG	15/02/2019	3695996	19157531.5	German
3696055	MAN Truck & Bus SE	10/01/2020	3696055	20151091.4	German
3696402	LM Wind Power A/S	18/02/2019	3696402	19157644.6	
3697007	INTEL Corporation	09/01/2020	3697007	20150933.8	
3697969	RWE Renewables GmbH	25/09/2018	3697969	18782352.1	German
3698040	Vestas Wind Systems A/S	04/10/2018	3698040	18785506.9	
3698109	Endress+Hauser Flowtec AG	27/09/2018	3698109	18778916.9	German
3698448	Cummins Power Generation Ltd. (UK)	18/10/2018	3698448	18799862.0	
3698658	Japan Tobacco Inc.	18/10/2017	3698658	17929279.2	
3698665	Shoei Co., Ltd.	13/02/2020	3698665	20157185.8	
3699194	Amgen Research (Munich) GmbH Amgen Inc.	27/01/2014	3699194	19202926.2	
3699449	Honda Motor Co., Ltd.	09/08/2018	3699449	18872092.4	
3699716	HYUNDAI MOTOR COMPANY Kia Corporation	18/02/2020	3699716	20157872.1	
3700027	Samsung Electronics Co., Ltd.	27/09/2018	3700027	18904464.7	
3700169	Samsung Electronics Co., Ltd.	06/12/2018	3700169	18889521.3	
3700679	technotrans SE	19/10/2018	3700679	18795339.3	German
3701237	Safran Aircraft Engines	25/10/2018	3701237	18800726.4	French
3701769	BSH Hausgeräte GmbH	16/10/2018	3701769	18789089.2	German
3702235	Vogelsang GmbH & Co. KG	28/02/2020	3702235	20160051.7	German
3702271	Airbus Helicopters	04/02/2020	3702271	20155277.5	French
3702413	Dainichiseika Color & Chemicals Mfg. Co., Ltd.	25/10/2018	3702413	18871717.7	
3702516	Qingdao Haier Drum Washing Machine Co., Ltd. Haier Smart Home Co., Ltd.	16/01/2020	3702516	20723972.4	
3703198	Nexans	01/03/2019	3703198	19305240.4	German

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3703249	Hitachi Industrial Equipment Systems Co., Ltd.	27/06/2018	3703249	18871235.0	
3703463	Commissariat à l'énergie atomique et aux énergies alternatives	25/02/2020	3703463	20159178.1	French
3703476	OVH	28/02/2019	3703476	19315013.3	
3703965	Valeo Systemes Thermiques	30/10/2018	3703965	18811600.8	French
3704377	Fluid Metering Inc.	01/11/2018	3704377	18873703.5	
3704452	Rosemount Tank Radar AB	31/10/2018	3704452	18795638.8	
3704472	Saudi Arabian Oil Company	23/10/2018	3704472	18797501.6	
3704700	Silicon Storage Technology, Inc.	02/10/2018	3704700	18872824.0	
3705963	ABB Schweiz AG	08/03/2019	3705963	19161637.4	
3706021	Rakuten Group, Inc.	26/12/2018	3706021	18941096.2	
3706538	Maschio Gaspardo S.p.A.	09/11/2018	3706538	18816227.5	
3706969	Urschel Laboratories, Inc.	13/11/2018	3706969	18876345.2	
3708911	Miele & Cie. KG	12/02/2020	3708911	20156888.8	German
3709124	NXP USA, Inc.	11/02/2020	3709124	20156531.4	
3709452	Aptiv Technologies Limited	06/03/2020	3709452	20161426.0	
3709453	Panasonic Intellectual Property Management Co., Ltd.	19/02/2020	3709453	20158195.6	
3709687	NXP B.V.	15/03/2019	3709687	19163161.3	
3710446	Eli Lilly and Company	09/11/2018	3710446	18808599.7	
3711347	Telefonaktiebolaget LM Ericsson (publ)	12/11/2018	3711347	18811377.3	
3711752	Hanyi Bio-Technology Company Ltd.	20/12/2017	3711752	17935280.2	
3711839	Yamashin-Filter Corp.	14/11/2018	3711839	18877355.0	
3711873	SSAB Technology AB	22/03/2019	3711873	19164525.8	
3713178	Panasonic Intellectual Property Corporation of America	13/03/2017	3713178	20166704.5	
3714580	Hughes Network Systems, LLC	20/11/2018	3714580	18819406.2	
3715018	Siemens Aktiengesellschaft	29/03/2019	3715018	19166261.8	German
3715299	OTIS Elevator Company	24/10/2019	3715299	19205206.6	
3716107	Intel Corporation	18/02/2020	3716107	20158073.5	
3716609	SMK Corporation	04/12/2019	3716609	19213387.4	
3716639	Schneider Electric Industries SAS	27/03/2020	3716639	20166157.6	French
3716650	Sonova AG	28/03/2019	3716650	19165761.8	
3717098	Caleffi S.p.A.	01/12/2017	3717098	17832092.5	
3717477	F. Hoffmann-La Roche AG	27/11/2018	3717477	18812115.6	
3717706	The Trout Group Inc.	06/11/2018	3717706	18883037.6	

3718166	International Business Machines Corporation	26/09/2018	3718166	18778899.7	
3718210	International Business Machines Corporation	05/01/2018	3718210	18700471.8	
3718236	Qualcomm Incorporated	17/10/2018	3718236	18797414.2	
3718263	Siemens Aktiengesellschaft	22/10/2018	3718263	18800488.1	German
3718272	Hughes Network Systems, LLC	26/11/2018	3718272	18830027.1	
3718342	Siemens Aktiengesellschaft	10/01/2019	3718342	19701991.2	German
3718459	Miele & Cie. KG	02/04/2020	3718459	20167646.7	German
3718585	Stamford Devices Limited	06/07/2004	3718585	20174258.2	
3719371	Crompton Technology Group Limited	02/04/2019	3719371	19275040.4	
3719782	Pricer AB	31/03/2020	3719782	20167384.5	
3719790	YAMAHA CORPORATION	02/04/2020	3719790	20167831.5	
3719857	Seiko Epson Corporation	30/03/2020	3719857	20166720.1	
3719947	Schneider Electric Industries SAS	03/04/2020	3719947	20167904.0	French
3720195	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	29/01/2018	3720195	18902818.6	
3720740	Autoliv ASP, Inc.	23/10/2018	3720740	18886637.0	
3721704	Montanari, Marco	02/04/2020	3721704	20167789.5	
3721888	The Board of Trustees of the Leland Stanford Junior University The United States of America, as represented by the Secretary, Department of Health and Human Services THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	05/02/2014	3721888	20163565.3	
3722547	Somfy Activites SA	31/03/2020	3722547	20166957.9	French
3722909	Siemens Aktiengesellschaft	10/04/2019	3722909	19168394.5	German
3723936	Tomologic AB	03/10/2018	3723936	18786436.8	
3724004	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	07/12/2018	3724004	18833454.4	French
3724050	Faiveley Transport Amiens	11/12/2018	3724050	18833095.5	French
3724535	Gates Corporation	02/11/2018	3724535	18804855.7	
3724632	Malvern Panalytical Limited	11/12/2018	3724632	18819271.0	

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3725226	Taicang Medlineer Medical Device Technology Co., Ltd.	10/09/2018	3725226	18889383.8	
3725464	VOSS Fluid GmbH	23/03/2020	3725464	20164791.4	German
3726067	Safran Aero Boosters S.A.	08/04/2020	3726067	20168677.1	French
3726611	Contemporary Ampere Technology Co., Limited	26/08/2019	3726611	19193542.8	
3726664	YAZAKI CORPORATION	06/04/2020	3726664	20168195.4	
3726725	Pfeiffer Vacuum Technology AG	25/08/2020	3726725	20192723.3	German
3728091	Wincor Nixdorf International GmbH	20/12/2018	3728091	18833648.1	German
3728728	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	19/12/2018	3728728	18833993.1	French
3728780	Clearvue Technologies Ltd	27/11/2018	3728780	18893154.7	
3728889	Schaeffler Technologies AG & Co. KG	13/11/2018	3728889	18807864.6	German
3728963	Cordivari S.r.l.	21/12/2018	3728963	18834075.6	
3729407	Rolls-Royce plc	12/12/2018	3729407	18829256.9	
3729770	British Telecommunications public limited company	21/12/2018	3729770	18825719.0	
3730476	Takasago International Corporation	21/12/2018	3730476	18890636.6	
3730491	Sichuan Kelun-Biotech Biopharmaceutical Co., Ltd.	07/12/2018	3730491	18892613.3	
3730660	POSCO	30/11/2018	3730660	18891096.2	
3730954	LG Innotek Co., Ltd.	18/12/2018	3730954	18891816.3	
3731110	Ricoh Company, Ltd.	15/02/2018	3731110	20174157.6	
3731218	Unilumin Group Co. Ltd.	02/03/2020	3731218	20160350.3	
3731253	Mitsubishi Electric Corporation	29/01/2018	3731253	18902026.6	
3731359	Niko NV	23/04/2020	3731359	20171110.8	
3731420	NXP B.V.	03/04/2020	3731420	20167967.7	
3731545	HUAWEI TECHNOLOGIES CO., LTD.	22/05/2019	3731545	19849855.2	
3731601	Silergy Semiconductor Technology (Hangzhou) Ltd	30/03/2020	3731601	20166740.9	
3732325	NV Bekaert SA	26/11/2018	3732325	18810992.0	
3732597	Screening Room Media, Inc.	27/12/2018	3732597	18834297.6	
3733217	Krones AG	31/03/2020	3733217	20167030.4	German
3733331	Tsugami Corporation	14/06/2007	3733331	20167261.5	
3733482	ME Mobil-Elektronik GmbH	30/04/2020	3733482	20172481.2	German

3733645	SUMITOMO CHEMICAL COMPANY, LIMITED	26/12/2018	3733645	18893809.6	
3734068	Eagle Industry Co., Ltd.	21/12/2018	3734068	18895992.8	
3734100	Goodrich Corporation	28/11/2019	3734100	19212068.1	
3734459	EMC IP Holding Company LLC	20/04/2020	3734459	20170352.7	
3734834	Hamilton Sundstrand Corporation	20/08/2015	3734834	20181660.0	
3735581	Hahn-Schickard-Gesellschaft für angewandte Forschung e.V. GS Elektromedizinische Geräte G. Stemple GmbH	07/01/2019	3735581	19700109.2	German
3735617	Uphill Projects GmbH	04/01/2019	3735617	19700554.9	German
3736363	Tsudakoma Kogyo Kabushiki Kaisha	30/04/2020	3736363	20172412.7	
3736707	Bentley Systems, Incorporated	07/05/2019	3736707	19305583.7	
3737811	Ramsauer, Dieter	12/06/2018	3737811	18734747.1	German
3737825	Element Six GmbH	03/01/2019	3737825	19700448.4	
3738395	Telefonaktiebolaget LM Ericsson (publ)	28/12/2018	3738395	18830546.0	
3738398	Apple Inc.	11/02/2019	3738398	19707959.3	
3739604	Heinrich Georg GmbH Maschinenfabrik	15/05/2019	3739604	19174689.0	German
3740542	C-IP S.A.	15/01/2019	3740542	19700414.6	
3740891	INRIA - Institut National de Recherche en Informatique et en Automatique État Français représenté par le Délégué Général pour l'Armement	16/01/2019	3740891	19705779.7	French
3741072	QUALCOMM Incorporated	11/01/2019	3741072	19702780.8	
3741740	Institute of Coal Chemistry, Chinese Academy of Sciences Shanxi Lu'an Mining (Group) Co., Ltd.	24/03/2020	3741740	20165162.7	
3741805	AGC INC.	09/11/2018	3741805	18899992.4	
3742920	NIKE Innovate C.V.	23/01/2019	3742920	19703930.8	
3743287	HELIOSONIC GmbH	22/01/2019	3743287	19702209.8	
3743984	Bombardier Transportation GmbH	14/12/2018	3743984	18833179.7	
3744223	Koninklijke Philips N.V.	12/02/2018	3744223	20182308.5	
3744700	HeidelbergCement AG	28/05/2019	3744700	19177076.7	
3744780	Sumitomo Rubber Industries, Ltd.	23/07/2019	3744780	19840897.3	
3744997	Goodrich Actuation Systems SAS	29/05/2019	3744997	19290033.0	
3745506	LG Energy Solution, Ltd.	31/10/2019	3745506	19877644.5	



3745570	Delta Electronics, Inc.	03/02/2020	3745570	20155175.1	
3745578	STMicroelectronics Ltd	29/05/2020	3745578	20177512.9	French
3746852	Parker-Hannifin Corporation	14/01/2019	3746852	19706055.1	
3747207	Sonitor Technologies AS	28/01/2019	3747207	19709774.4	
3748922	Cisco Technology, Inc.	27/05/2020	3748922	20176897.5	
3748923	Cisco Technology, Inc.	27/05/2020	3748923	20176905.6	
3751715	Samsung SDI Co., Ltd.	14/06/2019	3751715	19180263.6	
3752071	Mitsubishi Chemical Performance Polymers, Inc.	14/02/2019	3752071	19754830.8	
3752728	SAFRAN AIRCRAFT ENGINES	15/02/2019	3752728	19710752.7	French
3753178	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	15/02/2019	3753178	19707894.2	
3754097	SEB S.A.	16/06/2020	3754097	20180182.6	French
3754250	Fischer Lighting ApS	17/06/2020	3754250	20180515.7	
3755117	HUAWEI TECHNOLOGIES CO., LTD.	08/04/2019	3755117	19786099.2	
3755215	Boston Scientific Scimed Inc.	22/02/2019	3755215	19713236.8	
3755390	Medtronic, Inc.	20/02/2019	3755390	19708760.4	
3755451	MANN+HUMMEL GmbH	22/02/2019	3755451	19706990.9	German
3755742	BASF SE	20/02/2019	3755742	19704834.1	German
3756073	Telefonaktiebolaget LM Ericsson (publ)	23/02/2018	3756073	18707347.3	
3757484	Whirlpool Corporation	26/06/2019	3757484	19182735.1	
3757630	LG CHEM, LTD.	11/11/2019	3757630	19884191.8	
3759368	Schaeffler Technologies AG & Co. KG	29/01/2019	3759368	19705925.6	German
3759884	Telefonaktiebolaget LM Ericsson (publ)	01/03/2018	3759884	18711695.9	
3759977	QUALCOMM INCORPORATED	26/02/2019	3759977	19710253.6	
3760278	Oticon Medical A/S	30/06/2020	3760278	20183136.9	
3760873	Dab Pumps S.p.A.	22/06/2020	3760873	20181452.2	
3761218	Stanley Black & Decker MEA FZE	02/07/2019	3761218	19183759.0	
3762110	Balanced Body, Inc.	04/03/2019	3762110	19763469.4	
3763091	Volkswagen AG	18/02/2019	3763091	19706515.4	German
3764612	Huawei Technologies Co., Ltd.	28/01/2014	3764612	20161342.9	
3764652	Dolby International AB	25/03/2009	3764652	20194889.0	
3765304	HELIOSONIC GmbH	08/03/2019	3765304	19711045.5	
3766991	Life Technologies Corporation	04/03/2016	3766991	20195062.3	
3767265	Pilz GmbH & Co. KG	19/05/2020	3767265	20175340.7	German
3769456	QUALCOMM INCORPORATED	19/03/2019	3769456	19714965.1	

3770588	Panasonic Holdings Corporation	12/03/2019	3770588	19770363.0	
3770611	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	29/11/2019	3770611	19889545.0	
3771070	Sumida Corporation	25/02/2019	3771070	19770892.8	
3771456	Howmedica Osteonics Corp.	30/07/2020	3771456	20188529.0	
3772122	Samsung SDI Co., Ltd.	01/08/2019	3772122	19189508.5	
3772418	Horizon International Inc.	06/08/2020	3772418	20189801.2	
3772633	TOPCON CORPORATION	05/08/2020	3772633	20189697.4	
3772692	Amadeus S.A.S.	06/08/2020	3772692	20189846.7	
3773072	Moretti & C. 2 s.r.l.	09/04/2019	3773072	19723498.2	
3775127	Unilever Global IP Limited	10/05/2019	3775127	19722150.0	
3775442	Bos, van den, Wim	01/03/2019	3775442	19724264.7	
3775576	HYDAC Systems & Services GmbH	09/05/2019	3775576	19723759.7	German
3777444	Telefonaktiebolaget LM Ericsson (publ)	04/04/2019	3777444	19723494.1	
3777467	QUALCOMM Incorporated	11/04/2019	3777467	19723917.1	
3777854	Genfit	13/03/2017	3777854	20194454.3	
3777914	Fresenius Medical Care Holdings, Inc.	13/03/2014	3777914	20199210.4	
3778049	Thalmann Maschinenbau AG	10/08/2020	3778049	20190323.4	German
3778270	Panasonic Intellectual Property Management Co., Ltd. Japan Climate Systems Corporation	12/02/2019	3778270	19774445.1	
3778337	CRRC TANGSHAN CO., LTD.	09/05/2018	3778337	18911601.5	
3778582	LG CHEM, LTD.	11/09/2019	3778582	19860054.6	
3779305	Mitsubishi Electric Corporation	05/04/2018	3779305	18913517.1	
3779882	Sick IVP AB	16/08/2019	3779882	19192183.2	
3780028	Japan Aviation Electronics Industry, Limited	15/04/2019	3780028	19807842.0	
3780727	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	30/03/2018	3780727	18911753.4	
3781356	Atlas Copco Industrial Technique AB	02/04/2019	3781356	19715466.9	
3781756	Low & Bonar Inc.	20/02/2019	3781756	19710157.9	
3781794	SAFRAN AIRCRAFT ENGINES	04/04/2019	3781794	19722665.7	French
3782639	Regeneron Pharmaceuticals, Inc.	08/12/2016	3782639	20197224.7	
3782747	JFE Steel Corporation	12/04/2019	3782747	19788327.5	
3782822	Bundesdruckerei GmbH	21/08/2020	3782822	20192227.5	German
3782875	JTEKT CORPORATION	17/08/2020	3782875	20191335.7	

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3782949	Ing. Hans Bodner Baugesellschaft mbH & Co KG	21/08/2019	3782949	19192948.8	German
3783137	Maschinenfabrik Rieter AG	07/08/2020	3783137	20190085.9	German
3783589	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	17/04/2019	3783589	19788341.6	
3784036	Rutronik Elektronische Bauelemente GmbH	25/06/2020	3784036	20737099.0	German
3784211	LTS Lohmann Therapie-Systeme AG	25/04/2019	3784211	19719882.3	German
3784966	Praxair Technology, Inc.	22/04/2019	3784966	19727760.1	
3785423	Level 3 Communications, LLC	22/06/2018	3785423	18743898.1	
3785498	Baker Hughes Holdings LLC	25/04/2019	3785498	19792120.8	
3785702	Alfred E. Tiefenbacher (GmbH & Co. KG)	06/03/2020	3785702	20161476.5	
3785838	Illinois Tool Works, Inc.	27/08/2019	3785838	19193946.1	
3785895	Hoffmann Neopac AG	26/08/2020	3785895	20192904.9	
3786314	Elysis Limited Partnership	25/08/2015	3786314	20199579.2	
3786655	Contemporary Ampere Technology Co., Limited	22/04/2020	3786655	20808269.3	
3786673	LG CHEM, LTD.	17/10/2019	3786673	19873266.1	
3786987	Siemens Energy Global GmbH & Co. KG	30/08/2019	3786987	19194634.2	German
3787214	Samsung Electronics Co., Ltd.	28/08/2020	3787214	20193402.3	
3788054	Unity Biotechnology, Inc.	30/04/2019	3788054	19723963.5	
3788344	Università degli Studi di Catania	07/03/2019	3788344	19721016.4	
3791065	Siemens Gamesa Renewable Energy A/S	23/05/2019	3791065	19729633.8	
3792514	Pratt & Whitney Canada Corp.	14/09/2020	3792514	20195954.1	
3793496	Paul Hartmann AG	17/05/2019	3793496	19727594.4	German
3793828	Preh GmbH	07/08/2020	3793828	20753745.7	German
3794276	Virant, Robert	17/05/2019	3794276	19728578.6	German
3795020	Dainese S.p.A.	15/09/2020	3795020	20196243.8	
3795377	Sumitomo Rubber Industries, Ltd.	14/09/2020	3795377	20196035.8	
3795378	Sumitomo Rubber Industries, Ltd.	14/09/2020	3795378	20196041.6	
3796122	SPRINGA S.R.L.	21/09/2020	3796122	20197099.3	
3796477	YAZAKI CORPORATION	11/09/2020	3796477	20195621.6	
3796838	Commissariat à l'Energie Atomique et aux Energies Alternatives	03/05/2019	3796838	19728496.1	French

3796872	Corcym S.r.l.	23/05/2018	3796872	18732478.5	
3797108	Constellation Pharmaceuticals, Inc.	17/05/2019	3797108	19733214.1	
3797125	Andritz Oy	21/05/2019	3797125	19728102.5	
3797169	IHU Mediterranee Infection Hitachi High-Tech Corporation	14/03/2019	3797169	19752728.6	French
3797223	PCM Technologies	16/05/2019	3797223	19730401.7	French
3797574	CLAAS Selbstfahrende Erntemaschinen GmbH	13/08/2020	3797574	20190895.1	German
3798014	Dai Nippon Printing Co., Ltd.	27/06/2019	3798014	19826490.5	
3798472	FERRARI S.p.A.	30/09/2020	3798472	20199363.1	
3798479	FERRARI S.p.A.	30/09/2020	3798479	20199397.9	
3798585	Scully Signal Company	25/09/2020	3798585	20198528.0	
3798830	Pegatron Corporation	01/09/2020	3798830	20193871.9	
3798989	Siemens Healthcare GmbH	26/09/2019	3798989	19199842.6	German
3799395	Apple Inc.	05/02/2015	3799395	20200608.6	
3799451	Nokia Technologies Oy	26/09/2019	3799451	19199813.7	
3800029	Towa Corporation	21/09/2020	3800029	20197321.1	
3800696	Contemporary Amperex Technology Co., Limited	28/12/2019	3800696	19904572.5	
3800758	VKR Holding A/S	02/10/2019	3800758	19200975.1	
3801154	SEB S.A.	09/05/2019	3801154	19722138.5	French
3801649	Fassa S.r.l.	01/03/2019	3801649	19707027.9	
3801741	Boston Scientific Neuromodulation Corporation	22/05/2019	3801741	19730618.6	
3801824	VOLVO TRUCK CORPORATION	11/06/2018	3801824	18734755.4	
3801985	SAINT-GOBAIN CENTRE DE RECHERCHES ET D'ETUDES EUROPEEN	28/05/2019	3801985	19726024.3	French
3802050	iMFLUX Inc.	17/04/2019	3802050	19722362.1	
3802121	Covestro Intellectual Property GmbH & Co. KG	27/05/2019	3802121	19725752.0	German
3802139	DIVE-LOGS LTD Fenney, Mike	20/05/2019	3802139	19729088.5	
3802152	Pirelli Tyre S.p.A.	30/05/2019	3802152	19734899.8	
3802212	The Dynamic Engineering Solution Pty Ltd	05/06/2019	3802212	19729504.1	German
3802285	Robert Bosch GmbH	24/05/2019	3802285	19727613.2	German

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3802303	ZF Friedrichshafen AG	29/04/2019	3802303	19722816.6	German
3802362	Philip Morris Products S.A.	30/05/2019	3802362	19731604.5	
3802899	ELKEM ASA	07/06/2019	3802899	19737591.8	
3802910	SMS Group GmbH	18/04/2019	3802910	19719252.9	German
3802988	Ely Holdings Limited RBCD Holdings Ltd.	30/05/2019	3802988	19730452.0	
3803091	Wärtsilä Finland Oy	05/06/2018	3803091	18730701.2	
3803360	Knick Elektronische Messgeräte GmbH & Co. KG	05/06/2019	3803360	19731615.1	German
3804049	Cisco Technology, Inc.	17/05/2019	3804049	19729964.7	
3804203	QUALCOMM Incorporated	06/06/2019	3804203	19733314.9	
3804282	Cisco Technology, Inc.	03/06/2019	3804282	19732812.3	
3804457	Telefonaktiebolaget LM Ericsson (publ)	25/05/2018	3804457	18919761.9	
3804538	JT International SA	13/10/2019	3804538	19202878.5	
3805020	Sumitomo Rubber Industries, Ltd.	24/09/2020	3805020	20198132.1	
3805037	Texa S.p.A.	09/10/2020	3805037	20201157.3	
3805056	Guangzhou Chengxing Zhidong Motors Technology Co., Ltd. Guangzhou Xiaopeng Motors Technology Co., Ltd.	28/06/2019	3805056	19839941.2	
3805133	WIPOTEC GmbH	08/10/2020	3805133	20200750.6	German
3805705	HUAWEI TECHNOLOGIES CO., LTD.	11/10/2010	3805705	20211509.3	
3806092	Apple Inc.	25/04/2018	3806092	20211162.1	
3806851	Università degli Studi di Modena e Reggio Emilia Università di Pisa	14/06/2019	3806851	19733563.1	
3807963	Fameca	12/06/2018	3807963	18739575.1	French
3808743	Janssen Pharmaceutica NV	09/08/2002	3808743	20165399.5	
3809213	Continental Reifen Deutschland GmbH	17/09/2020	3809213	20196675.1	German
3809530	Yazaki Corporation	13/10/2020	3809530	20201423.9	
3809821	Haygrove Limited	23/05/2019	3809821	19736774.1	
3809836	Viscon B.V.	18/06/2019	3809836	19743068.9	
3810241	Epic Airway Systems, Inc.	29/04/2019	3810241	19723570.8	
3810870	Drössler GmbH Umwelttechnik	15/05/2019	3810870	19726589.5	German
3811530	QUALCOMM Incorporated	12/06/2019	3811530	19735003.6	

3812202	Shanghai Volvo Car Research and Development Co., Ltd.	01/10/2020	3812202	20199497.7	
3812298	Henkel AG & Co. KGaA	21/09/2020	3812298	20197089.4	German
3812357	Showa Denko K.K.	03/06/2019	3812357	19822005.5	
3813274	ORCKIT IP, LLC	13/04/2012	3813274	20214536.3	
3814175	VALEO EQUIPEMENTS ELECTRIQUES MOTEUR	28/06/2019	3814175	19734791.7	French
3815992	Norauto International	04/11/2020	3815992	20205598.4	French
3816032	Ningbo Haishu Honghui Mold & Plastic Factory	15/08/2020	3816032	20191238.3	
3817007	Korea Advanced Institute of Science and Technology	26/02/2020	3817007	20159606.1	
3817102	Contemporary Ampere Technology Co., Limited	25/09/2019	3817102	19867335.2	
3817330	Yealink (Xiamen) Network Technology Co., Ltd.	30/10/2020	3817330	20204905.2	
3817505	ASUSTek Computer Inc.	21/10/2020	3817505	20202948.4	
3817823	L'OREAL	26/06/2019	3817823	19732396.7	
3818805	Nanjing Chervon Industry Co., Ltd.	07/08/2019	3818805	19848056.8	
3818903	KingClean Electric Co., Ltd.	19/12/2019	3818903	19919742.7	
3819585	Israel Weapon Industries (I.W.I.) Ltd.	19/05/2020	3819585	20175441.3	
3819977	Minebea Mitsumi Inc.	02/08/2019	3819977	19846588.2	
3820003	Schleuniger AG	08/11/2019	3820003	19207971.3	German
3820184	INCE GmbH	06/11/2020	3820184	20206283.2	
3821290	Audi AG	10/05/2019	3821290	19725657.1	German
3821610	InterDigital VC Holdings, Inc.	21/06/2019	3821610	19733921.1	
3823001	Samsung SDI Co., Ltd.	02/11/2020	3823001	20205130.6	
3825048	AB Sandvik Coromant	20/11/2019	3825048	19210465.1	
3826012	Beijing Xiaomi Mobile Software Co., Ltd.	28/05/2020	3826012	20177249.8	
3826134	Nuvve Corporation	22/09/2010	3826134	20180200.6	
3826812	Krones Aktiengesellschaft	16/05/2019	3826812	19725330.5	German
3827938	Martor KG	11/11/2020	3827938	20206852.4	German
3828181	MITSUBISHI GAS CHEMICAL COMPANY, INC.	27/06/2019	3828181	19841912.9	
3828641	Meco S.A.	29/11/2019	3828641	19212451.9	French

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3828698	Cambricon Technologies Corporation Limited	01/04/2020	3828698	20217332.4	
3829117	Cisco Technology, Inc.	19/06/2017	3829117	21153336.9	
3829202	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	14/02/2018	3829202	21151748.7	
3829259	Telefonaktiebolaget LM Ericsson (publ)	27/08/2014	3829259	21152981.3	
3829898	Pirelli Tyre S.p.A.	01/08/2019	3829898	19755973.5	
3830217	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	30/09/2019	3830217	19778530.6	
3830344	Electricité de France	30/07/2019	3830344	19742790.9	French
3830535	Silios Technologies	29/07/2019	3830535	19761924.0	French
3830665	Wigersma en Sikkema B.V.	26/07/2019	3830665	19756003.0	
3831509	Innsight S.r.l.	03/12/2020	3831509	20211682.8	
3831650	GRAMMER AG	13/11/2020	3831650	20207454.8	German
3831700	Robert Bosch GmbH	07/10/2020	3831700	20200568.2	German
3833038	Broadpeak	06/12/2019	3833038	19214253.7	
3833064	Huawei Technologies Co., Ltd.	07/08/2019	3833064	19848491.7	
3833497	Commissariat à l'Energie Atomique et aux Energies Alternatives SAFRAN	07/08/2019	3833497	19759672.9	French
3834985	C.M.S. S.p.A.	02/12/2020	3834985	20211143.1	
3835220	Blukart S.r.l. O.B.L. S.r.l.	03/12/2020	3835220	20211542.4	
3835404	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	24/11/2020	3835404	20209441.3	French
3835436	Smit Tanning B.V.	10/12/2020	3835436	20213112.4	
3835572	General Electric Company	10/12/2020	3835572	20213104.1	
3835756	Commissariat à l'Energie Atomique et aux Energies Alternatives	09/12/2020	3835756	20212687.6	French
3836259	LG Chem, Ltd.	30/09/2019	3836259	19865998.9	
3836281	Contemporary Amperex Technology Co., Limited	27/09/2019	3836281	19864523.6	
3836310	Electric Connector Technology Co. Ltd.	30/03/2020	3836310	20166843.1	

3840314	HUAWEI TECHNOLOGIES CO., LTD.	31/08/2018	3840314	18931930.4	
3840623	Techtronic Cordless GP	24/03/2020	3840623	20720218.5	
3840734	Dr. Falk Pharma Gmbh	22/08/2019	3840734	19765417.1	German
3841166	BASF SE	19/08/2019	3841166	19765356.1	
3842273	Iseki & Co., Ltd.	30/09/2020	3842273	20199167.6	
3842707	CC90 Composite AB	16/12/2020	3842707	20214709.6	
3842970	THALES	23/12/2020	3842970	20216967.8	French
3843225	Kyoto University STANLEY ELECTRIC CO., LTD.	15/12/2020	3843225	20214151.1	
3844029	Thule Sweden AB	14/08/2019	3844029	19779573.5	
3844574	Patek Philippe SA Genève	28/08/2019	3844574	19780013.9	French
3845136	Dragon Crown Medical Co., Ltd.	13/11/2018	3845136	18932862.8	
3845344	Nanjing Chervon Industry Co., Ltd.	26/09/2019	3845344	19865569.8	
3846701	Medacta International SA	29/08/2019	3846701	19763110.4	
3847725	ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG	29/08/2019	3847725	19761860.6	German
3849009	DAIKIN INDUSTRIES, LTD.	16/06/2017	3849009	21159886.7	
3849797	BASF SE	11/09/2019	3849797	19763028.8	German
3850287	Novelis, Inc.	12/09/2019	3850287	19787112.2	
3851929	Vorwerk & Co. Interholding GmbH	07/01/2021	3851929	21150474.1	German
3853287	ENI S.p.A.	18/09/2019	3853287	19779177.5	
3853906	CNM - CSIC Ion Beam Services	06/09/2019	3853906	19786848.2	French
3853943	International Business Machines Corporation	06/09/2019	3853943	19765712.5	
3854574	Sumitomo Rubber Industries, Ltd.	15/01/2021	3854574	21151778.4	
3855259	Siemens Aktiengesellschaft	22/01/2020	3855259	20153061.5	German
3855393	Connaught Electronics Ltd.	21/01/2021	3855393	21152677.7	
3856377	Polin Su Parklari Ve Havuz Sistemleri Anonim Sirketi	26/10/2018	3856377	18907466.9	
3856855	Société BIC	20/09/2019	3856855	19769518.2	
3857091	ZF CV Systems Europe BV	12/08/2019	3857091	19758348.7	German
3857318	Bystronic Laser AG	23/09/2019	3857318	19789593.1	
3857585	HAGER-ELECTRO SAS	25/09/2018	3857585	18796707.0	French



3857610	COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES	19/11/2019	3857610	19829287.2	French
3857817	VMWare, Inc.	29/10/2019	3857817	19805845.5	
3861651	Telefonaktiebolaget LM Ericsson (publ)	02/10/2018	3861651	18792514.4	
3862244	ALSTOM Transport Technologies	05/02/2021	3862244	21155391.2	French
3863248	NXP USA, Inc.	14/01/2021	3863248	21151692.7	
3863705	Drägerwerk AG & Co. KGaA	08/05/2020	3863705	20725155.4	German
3865690	Wärtsilä Finland Oy	17/02/2020	3865690	20157581.8	
3866042	Leapyear Technologies, Inc.	11/02/2021	3866042	21156590.8	
3867428	Serge Ferrari SAS	17/10/2019	3867428	19808632.4	French
3868019	Andrew Wireless Systems GmbH	11/10/2019	3868019	19789901.6	
3868659	Airbus Helicopters	11/12/2020	3868659	20213559.6	French
3868990	Textron Innovations Inc.	03/02/2021	3868990	21154936.5	
3869015	Rolls-Royce plc	11/01/2021	3869015	21150826.2	
3869593	Panasonic Intellectual Property Management Co., Ltd.	17/10/2019	3869593	19872535.0	
3870477	VOLKSWAGEN AKTIENGESELLSCHAFT	24/10/2019	3870477	19794974.6	German
3870773	I4F LICENSING NV	30/09/2019	3870773	19779008.2	
3871319	Flender GmbH	13/12/2018	3871319	18830181.6	German
3871392	Akamai Technologies, Inc.	23/10/2019	3871392	19804938.9	
3871610	Ziehm Imaging GmbH	24/02/2021	3871610	21159054.2	German
3872928	JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED	19/12/2020	3872928	20215850.7	
3873788	Mission Innovations B.V.	08/10/2019	3873788	19801411.0	
3874112	Revenue Collection Systems France SAS	31/10/2019	3874112	19797274.8	French
3874249	SAFRAN AIRCRAFT ENGINES	29/10/2019	3874249	19816375.0	French
3876679	Ion Beam Applications	06/03/2020	3876679	20161640.6	
3877316	Capron, Michel	24/11/2019	3877316	19839637.6	French
3878710	ALSTOM Transport Technologies	08/03/2021	3878710	21161168.6	French
3879311	Equanostic AS	29/01/2021	3879311	21154203.0	
3880368	Vulco S.A.	12/12/2019	3880368	19824013.7	
3880522	Compagnie Plastic Omnium	18/11/2019	3880522	19802187.5	French
3881134	Koninklijke Philips N.V.	08/11/2019	3881134	19798315.8	
3881231	INARIX	12/11/2019	3881231	19829272.4	French

3881916	NINTENDO CO., LTD.	31/08/2020	3881916	20193579.8	
3885697	Shanghai Agrobiological Gene Center	30/11/2020	3885697	20210521.9	
3885994	STMicroelectronics (Rousset) SAS	24/03/2021	3885994	21164615.3	French
3886327	Stassinopoulos, Michael	23/03/2020	3886327	20164871.4	
3887071	SMS Group GmbH	19/11/2019	3887071	19808732.2	German
3887731	AERMEC S.p.A.	29/11/2019	3887731	19831897.4	
3887732	AERMEC S.p.A.	29/11/2019	3887732	19831898.2	
3889553	Focus-on V.O.F.	03/04/2020	3889553	20168067.5	German
3890236	Tata Consultancy Services Limited	19/03/2021	3890236	21163610.5	
3890610	Koninklijke Philips N.V.	06/12/2019	3890610	19813053.6	
3892019	Signify Holding B.V.	25/11/2019	3892019	19805983.4	
3892042	Koninklijke Philips N.V.	29/11/2019	3892042	19808857.7	
3892174	Brunner S.r.l.	04/02/2021	3892174	21155331.8	
3893444	snom technology GmbH	24/02/2021	3893444	21159026.0	German
3893466	Deutsche Telekom AG	06/04/2020	3893466	20168127.7	
3896469	Sediver	22/03/2021	3896469	21164033.9	French
3897316	Koninklijke Philips N.V.	10/12/2019	3897316	19816333.9	
3897766	Hollister Incorporated	12/12/2019	3897766	19836332.7	
3897952	Haldor Topsøe A/S	04/12/2019	3897952	19812802.7	
3899295	Voith Patent GmbH	10/12/2019	3899295	19828588.4	German
3899486	TMD Friction Services GmbH	21/12/2018	3899486	18825712.5	German
3899677	ArcelorMittal	18/12/2018	3899677	18839716.0	
3900060	Signify Holding B.V.	17/12/2019	3900060	19818119.0	
3901511	FCA Italy S.p.A.	21/04/2020	3901511	20170534.0	
3901516	Yamaha Hatsudoki Kabushiki Kaisha	06/04/2021	3901516	21166977.5	
3902599	Koninklijke Philips N.V.	16/12/2019	3902599	19817353.6	
3904013	C.R.F. Società Consortile per Azioni	27/04/2020	3904013	20171569.5	
3905680	CANON KABUSHIKI KAISHA	12/01/2012	3905680	21176055.8	
3907203	Construction Research & Technology GmbH	05/03/2018	3907203	21174547.6	
	De Cavis AG				
3907423	WWV Wärmeverwertung GmbH & Co. KG	06/05/2020	3907423	20173261.7	
3909156	Audi AG	28/08/2020	3909156	20764972.4	German
3910314	KRÜSS GmbH, Wissenschaftliche Laborgeräte	14/05/2020	3910314	20174707.8	German

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3912312	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	15/01/2019	3912312	19700708.1	
3914016	ASUSTek Computer Inc.	07/05/2021	3914016	21172628.6	
3918738	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	30/01/2020	3918738	20708223.1	
3921135	KraussMaffei Technologies GmbH	13/02/2020	3921135	20705909.8	German
3923672	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	29/07/2016	3923672	21189840.8	
3925666	B dot Medical Inc.	23/04/2021	3925666	21170084.4	
3927245	Quantum Surgical	31/03/2020	3927245	20715872.6	French
3930557	Koninklijke Philips N.V.	10/02/2020	3930557	20702838.2	
3934411	ZERO SRL	05/03/2020	3934411	20716184.5	
3935774	Ofinno, LLC	27/03/2020	3935774	20721914.8	
3942890	Telefonaktiebolaget LM Ericsson (publ)	10/03/2020	3942890	20712708.5	
3947050	Audi AG	19/01/2021	3947050	21701272.3	German
3949498	Telefonaktiebolaget LM Ericsson (publ)	06/05/2020	3949498	20726001.9	
3949653	Telefonaktiebolaget LM Ericsson (publ)	23/03/2020	3949653	20717284.2	
3949685	Signify Holding B.V.	24/03/2020	3949685	20711988.4	
3953129	Vibra Maschinenfabrik Schultheis GmbH & Co.	28/06/2020	3953129	20735359.0	German
3955323	Zhejiang Jinko Solar Co., Ltd. JINKO SOLAR CO., LTD	31/08/2020	3955323	20193544.2	
3961822	Yazaki Corporation	27/08/2021	3961822	21193418.7	

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1798777	The Boeing Company	04/12/2006	1798777	06077166.4	
1810322	MacDermid Enthone Inc.	14/11/2005	1810322	05851560.2	
2064363	Sandvik Intellectual Property AB	05/09/2007	2064363	07808858.0	
2169800	General Electric Company	22/09/2009	2169800	09170915.4	
2194348	LG Electronics Inc.	04/11/2008	2194348	10156397.1	
2198273	Mauna Kea Technologies	10/10/2008	2198273	08843195.2	French
2262872	The Crucible Group Pty Ltd	14/04/2009	2262872	09730742.5	
2315664	Ashland Licensing and Intellectual Property LLC	06/08/2009	2315664	09805535.3	
2335203	Maxim Integrated Products, Inc.	28/08/2009	2335203	09810380.7	
2357435	BSH Hausgeräte GmbH	12/11/2009	2357435	09825833.8	

2377290	Electricité de France	17/12/2009	2377290	09805736.7	French
2397142	Boehringer Ingelheim International GmbH	03/05/2007	2397142	11179908.6	German
2442912	Spray Nozzle Engineering Pty. Limited	17/06/2010	2442912	10788505.5	
2458327	Kabushiki Kaisha TOPCON	28/11/2011	2458327	11190899.2	
2468875	Neste Oyj	22/12/2010	2468875	10196556.4	
2472527	Dainichiseika Color & Chemicals Mfg. Co., Ltd.	24/08/2010	2472527	10811848.0	
2504052	Boehringer Ingelheim International GmbH	22/11/2010	2504052	10781681.1	
2532959	General Electric Company	01/06/2012	2532959	12170527.1	
2568037	Pall Artelis BVBA	13/11/2009	2568037	12193161.2	
2575920	Medela Holding AG	03/06/2011	2575920	11790450.8	
2623876	LG Electronics Inc.	27/12/2012	2623876	12199467.7	
2625549	Aspect Imaging Ltd.	06/10/2011	2625549	11830289.2	
2642655	Daikin Industries, Ltd.	26/10/2011	2642655	11842284.9	
2652563	The Swatch Group Research and Development Ltd.	05/12/2011	2652563	11793746.6	French
2660443	General Electric Company	23/04/2013	2660443	13164866.9	
2679176	Covidien LP	28/06/2013	2679176	13174297.5	
2682674	Matthiessen, Hans	25/06/2013	2682674	13173567.2	German
2688458	Carl Zeiss Meditec AG	03/01/2012	2688458	12700151.9	German
2689363	Zoll Medical Corporation	23/03/2012	2689363	12718463.8	
2694205	Dow Global Technologies LLC	01/04/2011	2694205	11713636.6	
2695196	Technische Universität Berlin	29/03/2012	2695196	12729338.9	German
2705631	Microsoft Technology Licensing, LLC	04/05/2011	2705631	11864689.2	
2727384	Thales Dis France SAS	29/06/2012	2727384	12733071.0	
2728371	Universitätsklinikum Freiburg	02/11/2012	2728371	12191104.4	
2736286	Alcatel Lucent	19/04/2011	2736286	14156347.8	
2741111	Optex Co., Ltd.	12/09/2012	2741111	12832288.0	
2745849	ARCHIMEDES S.r.l.	16/12/2013	2745849	13197549.2	
2746691	Gree Electric Appliances, Inc. of Zhuhai	13/08/2012	2746691	12823323.6	
2747232	General Electric Technology GmbH	21/12/2012	2747232	12199030.3	
2753496	Chrysler Group LLC	31/08/2012	2753496	12756336.9	
2757884	Merck Sharp & Dohme LLC	17/09/2012	2757884	12834135.1	
2760606	General Electric Company	05/09/2012	2760606	12832799.6	

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2780157	Wobben Properties GmbH	12/11/2012	2780157	12790502.4	German
2782686	Tomra Sorting Limited	26/11/2012	2782686	12808272.4	
2786637	BSH Hausgeräte GmbH	20/11/2012	2786637	12815785.6	German
2802871	Takeda Pharmaceutical Company Limited	11/01/2013	2802871	13703486.4	
2803903	VALEO VISION	05/05/2014	2803903	14167001.8	French
2805150	Lindinger, Albrecht	17/01/2013	2805150	13716945.4	German
2806821	Piglets Treatment System BV	23/01/2013	2806821	13703340.3	
2815187	Mitsubishi Electric Corporation	15/02/2013	2815187	13707056.1	
2819250	3M Innovative Properties Company	26/06/2013	2819250	13173764.5	
2825572	ExxonMobil Chemical Patents Inc.	12/12/2012	2825572	12808619.6	
2831043	Amicus Therapeutics, Inc.	07/03/2013	2831043	13710951.8	
2842099	Emerson Digital Cold Chain, Inc.	23/04/2013	2842099	13781609.6	
2844162	THE CLEVELAND CLINIC FOUNDATION	29/04/2013	2844162	13724931.4	
2850171	Shell Internationale Research Maatschappij B.V.	16/05/2013	2850171	13726946.0	
2850482	RealD Spark, LLC	17/05/2013	2850482	13790942.0	
2852317	Carl Zeiss Meditec AG	08/05/2013	2852317	13724195.6	
2853033	Sony Group Corporation	27/06/2013	2853033	13813646.0	
2859283	Hubert Langheinze EVL	17/05/2013	2859283	13728329.7	German
2862535	Gyrus Medical Limited	03/10/2014	2862535	14187678.9	
2864273	Trophy	21/06/2012	2864273	12733514.9	French
2876532	LG Innotek Co., Ltd.	20/11/2014	2876532	14194070.0	
2880449	Université Jean-Monnet Centre Hospitalier Universitaire De Saint Etienne Institut National de la Santé et de la Recherche Médicale (INSERM) Centre National de la Recherche Scientifique Université Claude Bernard Lyon I Hospices Civils de Lyon	28/06/2013	2880449	13732195.6	
2885080	ARKEMA FRANCE	01/08/2013	2885080	13756648.5	French
2885814	Xilinx, Inc.	28/06/2013	2885814	13735551.7	
2887711	Innovative Sonic Corporation	02/10/2014	2887711	14187448.7	
2890829	PPG Industries Ohio, Inc.	16/08/2013	2890829	13756763.2	

2899517	Kidde Technologies, Inc.	21/01/2015	2899517	15151942.8	
2909646	Qualcomm Incorporated	22/10/2013	2909646	13789095.0	
2909766	Geoquest Systems B.V.	15/10/2013	2909766	13847420.0	
2910309	JFE Steel Corporation	11/10/2013	2910309	13846992.9	
2912658	Sausalito Audio LLC	25/10/2013	2912658	13789119.8	
2920160	EXINNOV	14/11/2013	2920160	13815028.9	French
2920899	Sony Group Corporation Sony Europe B.V.	30/01/2014	2920899	14702918.5	
2921802	Samsung Electronics Co., Ltd.	05/03/2015	2921802	15157740.0	
2926106	TTK	28/11/2013	2926106	13810905.3	French
2926111	Bruker Nano, Inc.	27/11/2013	2926111	13806019.9	
2927941	Nordson Corporation	08/08/2014	2927941	14180382.5	
2932204	Los Robles Advertising, Inc.	17/12/2013	2932204	13830137.9	
2938391	Teikoku Seiyaku Co., Ltd.	16/12/2013	2938391	13868977.3	
2938691	Robert Bosch GmbH	31/07/2013	2938691	13745045.8	German
2938751	TerraPower LLC	23/12/2013	2938751	13866898.3	
2939225	General Electric Company	17/12/2013	2939225	13821544.7	
2941952	Van der Ende Pompen B.V.	16/04/2015	2941952	15163820.2	
2942097	NGK Insulators, Ltd.	06/03/2015	2942097	15157951.3	
2950752	Twelve, Inc.	04/02/2014	2950752	14705452.2	
2955812	General Electric Technology GmbH	09/06/2014	2955812	14275133.8	
2955908	Hewlett-Packard Development Company, L.P.	11/06/2015	2955908	15171674.3	
2956421	AGC Glass Europe	14/02/2014	2956421	14704590.0	French
2957009	Hubbell Incorporated	28/02/2014	2957009	14775629.0	
2958635	Capital Safety Group (Northern Europe) Limited	17/02/2014	2958635	14705148.6	
2962857	Kyocera Corporation	20/02/2014	2962857	14757409.9	
2967315	Vasoptic Medical, Inc.	12/03/2014	2967315	14768676.0	
2967976	Avacen, Inc.	06/03/2014	2967976	14720278.2	
2968053	Ekso Bionics, Inc.	12/03/2014	2968053	14775935.1	
2968605	The University of North Carolina At Chapel Hill	14/03/2014	2968605	14763050.3	
2968924	Fast Track Technologies, Inc.	15/03/2014	2968924	14765103.8	
2971115	Seegene, Inc.	13/03/2014	2971115	14762484.5	
2972434	3M Innovative Properties Company	09/01/2014	2972434	14701268.6	
2972881	Microsoft Technology Licensing, LLC	10/03/2014	2972881	14713352.4	

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2973097	CareFusion 303, Inc.	10/03/2014	2973097	14717551.7	
2975189	SA BAUFER V.F.	15/07/2015	2975189	15176929.6	
2983142	Mitsubishi Electric Corporation	03/04/2014	2983142	14778760.0	
2986644	Duke University Sloan-kettering Institute For Cancer Research Dana-Farber Cancer Institute, Inc.	15/04/2014	2986644	14785790.8	
2996917	Jaguar Land Rover Limited	15/04/2014	2996917	14720524.9	
2999518	Varian Medical Systems International AG	21/05/2014	2999518	14725203.5	
3000763	Konecranes Global Corporation	25/09/2015	3000763	15186909.6	
3008462	Waters Technologies Corporation	12/06/2014	3008462	14811096.8	
3009398	Nissan Chemical Corporation	05/06/2014	3009398	14810400.3	
3011170	LM Wind Power A/S	18/06/2014	3011170	14738407.7	
3018968	Huawei Technologies Co., Ltd.	13/08/2013	3018968	13891438.7	
3030268	The Trustees Of The University Of Pennsylvania	08/08/2014	3030268	14834082.1	
3043902	ARKEMA FRANCE IFP Energies nouvelles	05/09/2014	3043902	14761826.8	French
3044441	Mitsubishi Heavy Industries America, Inc. Raytheon Technologies Corporation	12/09/2014	3044441	14844779.0	
3047705	Signify Holding B.V.	28/08/2014	3047705	14758356.1	
3049117	EXACT THERAPEUTICS AS	26/09/2014	3049117	14847119.6	
3052181	Georgia Tech Research Corporation	30/09/2014	3052181	14848387.8	
3053639	Toray Industries, Inc.	26/09/2014	3053639	14848882.8	
3055019	Medtronic Inc.	09/10/2014	3055019	14786773.3	
3061192	Mitsubishi Electric Corporation	17/10/2014	3061192	14795680.9	
3063567	CGG Services SAS	31/10/2014	3063567	14824093.0	
3065579	Philip Morris Products S.A.	03/11/2014	3065579	14792811.3	
3067953	Samsung Display Co., Ltd.	26/11/2015	3067953	15196452.5	
3071210	Charles Sturt University	20/11/2014	3071210	14863191.4	
3074740	Eaton Intelligent Power Limited	10/09/2014	3074740	14766663.0	German
3074802	Prysmian S.p.A.	29/11/2013	3074802	13831879.5	
3075524	Airbus Operations GmbH	23/03/2016	3075524	16161874.9	
3079357	Sony Group Corporation	17/10/2014	3079357	14867472.4	
3080285	Dow Global Technologies LLC	10/12/2014	3080285	14824634.1	

3080579	Ventana Medical Systems, Inc.	08/12/2014	3080579	14809004.6	
3082163	Renesas Electronics Corporation	02/03/2016	3082163	16158178.0	
3082445	Spécialités Pet Food	27/01/2014	3082445	14701403.9	
3083394	Airbus Defence and Space GmbH	26/11/2014	3083394	14828127.2	German
3086974	TOYOTA JIDOSHA KABUSHIKI KAISHA	12/11/2014	3086974	14815070.9	
3092039	Hackensack University Medical Center	07/01/2015	3092039	15700103.3	
3092612	The Coca-Cola Company	05/01/2015	3092612	15733214.9	
3092702	Moteurs Leroy-Somer	22/12/2014	3092702	14833272.9	French
3093789	SSH Communications Security Oyj	03/05/2016	3093789	16168056.6	
3094782	Volvo Construction Equipment AB	16/12/2013	3094782	13899395.1	
3096177	Ricoh Company, Ltd.	12/05/2016	3096177	16169412.0	
3096255	THD S.p.A.	11/05/2016	3096255	16169104.3	
3097457	Emerson Process Management Regulator Technologies, Inc.	26/01/2015	3097457	15703678.1	
3097923	YEDA RESEARCH AND DEVELOPMENT CO., LTD.	31/01/2008	3097923	16177278.5	
3098017	SCREEN Holdings Co., Ltd.	29/05/2015	3098017	15169831.3	
3098911	Fujikura Ltd.	23/01/2015	3098911	15740832.9	
3099160	WTO Investments, LLC	19/01/2015	3099160	15742813.7	
3101876	Goodrich Corporation	02/06/2016	3101876	16172708.6	
3103476	Aduro Biotech Holdings, Europe B.V.	23/02/2010	3103476	16075009.7	
3104095	Sommer Fassadensysteme-Stahlbau- Sicherheitstechnik GmbH & Co. KG	27/05/2016	3104095	16171725.1	German
3104775	ResMed Pty Ltd	13/02/2015	3104775	15748505.3	
3105986	Big Belly Solar, Inc.	10/02/2015	3105986	15746262.3	
3106177	NanoCarrier Co., Ltd.	12/02/2014	3106177	14882238.0	
3106414	Otis Elevator Company	17/06/2016	3106414	16175136.7	
3106900	Emerson Paradigm Holding LLC Mallet, Jean-Laurent	13/06/2016	3106900	16174160.8	
3108226	Dräger Safety AG & Co. KGaA	11/02/2015	3108226	15706153.2	German
3108237	BBS Försäljnings AB	19/02/2015	3108237	15705314.1	
3108553	Eaton Intelligent Power Limited	21/01/2015	3108553	15704129.4	
3111296	Aptiv Technologies Limited	17/10/2014	3111296	14883605.9	
3112670	General Electric Company	24/06/2016	3112670	16176261.2	
3112672	General Electric Company	27/06/2016	3112672	16176516.9	
3113754	Kao Germany GmbH	13/12/2013	3113754	13900864.3	



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3115581	MAN Truck & Bus SE	07/06/2016	3115581	16001277.9	German
3115643	Oberalp Spa	15/06/2016	3115643	16174540.1	German
3116149	Orange Belgium	07/07/2015	3116149	15175684.8	
3117019	IP2IPO Innovations Limited Impression Technologies Limited	13/03/2015	3117019	15753738.2	
3117099	ZF Friedrichshafen AG ZF Wind Power Antwerpen NV	11/02/2015	3117099	15704297.9	German
3117326	Amazon Technologies, Inc.	06/03/2015	3117326	15760637.7	
3119312	Intuitive Surgical Operations, Inc.	17/03/2015	3119312	15764077.2	
3120786	W. L. Gore & Associates, Inc.	26/06/2014	3120786	16188422.6	
3126869	Evolv Technologies, Inc.	03/04/2015	3126869	15715653.0	
3126870	Evolv Technologies, Inc.	03/04/2015	3126870	15715654.8	
3129469	The Administrators of The Tulane Educational Fund	10/04/2015	3129469	15776062.0	
3131866	Earth Alive Clean Technologies Inc.	15/04/2015	3131866	15780476.6	
3131978	SWIMC LLC	08/04/2015	3131978	15779672.3	
3134136	Prolitec Inc.	16/04/2015	3134136	15720166.6	
3139509	Huawei Technologies Co., Ltd.	28/04/2014	3139509	14891027.6	
3140081	Hilti Aktiengesellschaft	01/04/2015	3140081	15713756.3	German
3142405	QUALCOMM Incorporated	09/03/2006	3142405	16194449.1	
3142864	Oberthur Fiduciaire SAS	13/05/2015	3142864	15732046.6	French
3144283	AGC Inc.	12/05/2015	3144283	15793456.3	
3145493	Children's Medical Center Corporation	15/05/2015	3145493	15796048.5	
3146164	Atlas Copco Airpower, Naamloze Vennootschap	11/05/2015	3146164	15738565.9	
3146400	Telefonaktiebolaget LM Ericsson (publ)	13/05/2015	3146400	15723213.3	
3146454	TRUMPF Medizin Systeme GmbH + Co. KG	26/06/2015	3146454	15735881.3	German
3148466	Bipad, Inc.	30/05/2015	3148466	15798750.4	
3151608	Huawei Technologies Co., Ltd.	25/06/2014	3151608	14896126.1	
3152145	Otis Elevator Company	03/06/2015	3152145	15729034.7	
3152383	THREE SMITH GROUP LIMITED	05/06/2015	3152383	15728117.1	
3152412	Conlon, William M.	27/05/2015	3152412	15803786.1	
3153954	BOE Technology Group Co., Ltd. Beijing BOE Optoelectronics Technology Co., Ltd.	30/09/2014	3153954	14864996.5	
3154348	Sumitomo Chemical Company, Limited	16/06/2015	3154348	15810464.6	

3154420	Medtronic Vascular Inc.	01/06/2015	3154420	15730589.7	
3154438	University of Utah Research Foundation	15/06/2015	3154438	15807575.4	
3155551	ORANGE	10/06/2015	3155551	15732850.1	French
3155632	Micromass UK Limited	10/06/2015	3155632	15729898.5	
3156103	Kidde Graviner Limited	05/10/2016	3156103	16192417.0	
3157755	3M Innovative Properties Company	05/06/2015	3157755	15810561.9	
3159057	TOKYO OHKA KOGYO CO., LTD.	28/09/2016	3159057	16191033.6	
3159573	General Electric Company	20/10/2016	3159573	16194769.2	
3160881	TGW Logistics Group GmbH	24/06/2015	3160881	15744858.0	German
3161659	ORANGE	25/06/2015	3161659	15745525.4	French
3161848	Eaton Intelligent Power Limited	30/06/2014	3161848	14896330.9	
3162048	Qualcomm Incorporated	09/06/2015	3162048	15797469.2	
3166759	KUKA Deutschland GmbH	07/07/2015	3166759	15735676.7	German
3168725	BOE Technology Group Co., Ltd. Beijing BOE Optoelectronics Technology Co., Ltd.	21/11/2014	3168725	14882130.9	
3173334	The Boeing Company	14/11/2016	3173334	16198662.5	
3174016	NCR Corporation	12/08/2016	3174016	16184082.2	
3176359	Cameron Technologies Limited	01/12/2015	3176359	15306907.5	
3176815	LAM Research Corporation	01/12/2016	3176815	16201598.6	
3178391	Biosense Webster (Israel) Ltd.	06/12/2016	3178391	16202441.8	
3179341	Vestel Elektronik Sanayi ve Ticaret A.S.	11/12/2015	3179341	15199481.1	
3179865	Concellae AB	13/08/2015	3179865	15832131.5	
3180245	Amazon Technologies, Inc.	07/08/2015	3180245	15754067.5	
3181991	VALEO VISION	02/12/2016	3181991	16201856.8	French
3182025	LG ELECTRONICS INC.	09/09/2016	3182025	16187969.7	
3189756	Lipper International, Inc.	02/01/2017	3189756	17000002.0	
3191605	The Broad Institute, Inc. President and Fellows of Harvard College Massachusetts Institute of Technology	09/09/2015	3191605	15767655.2	
3193695	Omniguide Inc.	17/09/2015	3193695	15842019.0	
3193995	Fisher&Paykel Healthcare Limited	18/09/2015	3193995	15841985.3	
3194105	Network Rail Infrastructure Limited	09/09/2015	3194105	15766199.2	
3194589	Primordial Genetics Inc.	31/07/2015	3194589	15827063.7	

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3198477	InterDigital Madison Patent Holdings, SAS	22/09/2015	3198477	15775049.8	
3199225	Nitto Denko Corporation	24/09/2015	3199225	15843980.2	
3199884	Mitsubishi Electric Corporation	26/09/2014	3199884	14902428.3	
3200244	Panasonic Intellectual Property Management Co., Ltd.	30/01/2017	3200244	17153797.0	
3201654	BP Corporation North America Inc.	29/09/2015	3201654	15778527.0	
3202060	HERE Global B.V.	23/09/2015	3202060	15778748.2	
3202472	Shadow	01/02/2017	3202472	17154171.7	
3203620	Hamilton Sundstrand Corporation	02/02/2017	3203620	17154355.6	
3205468	Lightweight Labs, LLC	13/02/2017	3205468	17155930.5	
3205776	R-ways GmbH Ingenieurgesellschaft für Flughafenplanung	09/02/2017	3205776	17155376.1	German
3205880	Toyooki Kogyo Co., Ltd.	09/10/2014	3205880	14903766.5	
3206601	Creo Medical Limited	16/10/2015	3206601	15784000.0	
3206955	Avery Dennison Retail Information Services, LLC	13/10/2014	3206955	14795705.4	
3207128	Kodiak Sciences Inc.	16/10/2015	3207128	15851363.0	
3209596	CIJ Engineered Pty Ltd	23/10/2015	3209596	15851716.9	
3209798	Mancebo, Ricardo	22/10/2015	3209798	15851951.2	
3211062	TotalEnergies OneTech	29/02/2016	3211062	16305228.5	
3212397	Equistar Chemicals, LP	22/10/2015	3212397	15791139.7	
3212724	Ctech Adhesives LLC	24/10/2015	3212724	15801005.8	
3218201	The Procter & Gamble Company	09/11/2015	3218201	15801027.2	
3219867	Uponor Innovation AB	15/03/2016	3219867	16160460.8	
3221118	ExxonMobil Chemical Patents Inc.	05/10/2015	3221118	15790317.0	
3222042	Yanmar Power Technology Co., Ltd.	17/11/2014	3222042	14846772.3	
3222569	BHS Corrugated Maschinen-und Anlagenbau GmbH	23/02/2017	3222569	17157511.1	German
3222795	Li & Co AG	23/03/2016	3222795	16161925.9	German
3223339	LG Energy Solution, Ltd.	22/01/2016	3223339	16765143.9	
3223743	Merz Dental GmbH	23/11/2015	3223743	15798132.5	German
3227729	BP Corporation North America Inc.	02/12/2015	3227729	15808852.6	
3230506	Federal-Mogul Powertrain LLC	08/12/2015	3230506	15817030.8	
3234510	Pepperl+Fuchs SE	15/09/2015	3234510	15781588.7	
3234691	View, Inc.	15/12/2015	3234691	15870917.0	
3234927	Semel OY	16/12/2015	3234927	15869405.9	

3236008	General Electric Company	18/11/2016	3236008	16199471.0	
3237751	Vestas Wind Systems A/S	22/12/2015	3237751	15816658.7	
3240416	Corteva Agriscience LLC	30/12/2015	3240416	15876237.7	
3240579	Lantheus Medical Imaging, Inc.	28/12/2015	3240579	15876086.8	
3241840	The Board of Trustees of the Leland Stanford Junior University	21/01/2011	3241840	17159334.6	
3242404	Analog Devices, Inc.	30/09/2016	3242404	16191925.3	
3242684	Pfizer Inc.	06/01/2016	3242684	16702586.5	
3243283	Samsung Electronics Co., Ltd.	06/01/2016	3243283	16735162.6	
3243869	Reagens S.p.A.	12/05/2016	3243869	16169290.0	
3243993	SFS Group International AG	24/04/2017	3243993	17167810.5	German
3245463	Schenck Process Europe GmbH	14/01/2016	3245463	16701076.8	
3245526	Thomas & Betts International, LLC	14/01/2016	3245526	16737881.9	
3247254	Ovard, LLC	18/01/2016	3247254	16740555.4	
3247255	Ovard, LLC	18/01/2016	3247255	16740556.2	
3248498	Huawei Technologies Co., Ltd.	05/06/2015	3248498	15893760.7	
3250229	The Trustees of the University of Pennsylvania Inovio Pharmaceuticals, Inc.	28/01/2016	3250229	16744075.9	
3250262	Becton, Dickinson and Company	22/01/2016	3250262	16743884.5	
3250623	Zephyros Inc.	01/02/2016	3250623	16718037.1	
3251783	Macsa ID, S.A.	19/05/2017	3251783	17382286.7	
3252304	Siemens Gamesa Renewable Energy Service GmbH	01/06/2017	3252304	17174029.3	German
3253612	Hyperloop Technologies, Inc.	27/01/2016	3253612	16747012.9	
3253927	ThyssenKrupp Steel Europe AG	19/10/2015	3253927	15787504.8	German
3256527	Acoustic Space Pty Ltd	12/02/2016	3256527	16748489.8	
3256697	SAFRAN AIRCRAFT ENGINES	09/02/2016	3256697	16705981.5	French
3257244	Nokia Technologies Oy	02/02/2016	3257244	16748774.3	
3257453	Stryker European Operations Holdings LLC	25/01/2017	3257453	17153127.0	
3257736	Commissariat à l'Energie Atomique et aux Energies Alternatives	16/05/2017	3257736	17171415.7	French
3258280	LG Energy Solution, Ltd.	16/11/2016	3258280	16866639.4	
3258464	Samsung Display Co., Ltd.	16/06/2017	3258464	17176470.7	
3259264	Rigel Pharmaceuticals, Inc. Bristol-Myers Squibb Company	15/02/2016	3259264	16711043.6	

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3259373	Bio-Rad Laboratories, Inc.	17/02/2016	3259373	16753003.9	
3260133	Albert-Ludwigs-Universität Freiburg Baker IDI Heart and Diabetes Institute Holdings Ltd	21/06/2016	3260133	16175382.7	
3262782	Private Machines Inc.	28/12/2015	3262782	15883639.5	
3263871	Hyundai Doosan Infracore Co., Ltd.	27/02/2015	3263871	15883430.9	
3263894	General Electric Company	27/06/2017	3263894	17178135.4	
3264463	Nexperia B.V.	15/05/2017	3264463	17171149.2	
3264484	Samsung Display Co., Ltd.	28/06/2017	3264484	17178427.5	
3264647	Sharp Kabushiki Kaisha	24/02/2016	3264647	16755523.4	
3264666	ESHARD	28/06/2016	3264666	16176716.5	
3264668	ESHARD	28/06/2016	3264668	16176721.5	
3267308	Baidu Online Network Technology (Beijing) Co., Ltd.	17/06/2016	3267308	16877228.3	
3268548	QLD Steel Pty Ltd	09/03/2016	3268548	16760938.7	
3268734	Saudi Arabian Oil Company	03/03/2016	3268734	16710583.2	
3269809	Chugai Seiyaku Kabushiki Kaisha	11/03/2016	3269809	16764874.0	
3270135	Przedsiębiorstwo "Cimat" Spolka z Ograniczona Odpowiedzialnoscia	25/04/2016	3270135	16000928.8	
3270188	Smiths Detection Inc.	10/07/2017	3270188	17001181.1	
3270566	Huawei Technologies Co., Ltd.	30/06/2015	3270566	15896778.6	
3271446	Rohm and Haas Company	22/02/2016	3271446	16716319.5	
3276341	Daicel Corporation	24/03/2016	3276341	16768899.3	
3281391	OMRON Corporation	08/04/2016	3281391	16777446.2	
3283196	General Electric Company	12/05/2016	3283196	16734064.5	
3283486	BeiGene, Ltd.	14/04/2016	3283486	16779601.0	
3284782	Riken Technos Corporation	12/08/2014	3284782	17194804.5	
3284810	The Procter & Gamble Company	16/08/2017	3284810	17186373.1	
3285632	BSH Hausgeräte GmbH	30/03/2016	3285632	16712048.4	German
3285676	Intuitive Surgical Operations, Inc.	21/04/2016	3285676	16783826.7	
3286050	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	20/04/2016	3286050	16717629.6	German
3288081	Sony Group Corporation	19/02/2016	3288081	16782855.7	
3288260	Ricoh Company, Ltd.	31/07/2017	3288260	17183940.0	
3289222	Valeo Systèmes de Contrôle Moteur	02/05/2016	3289222	16725189.1	French
3289287	Engie	29/04/2016	3289287	16720807.3	French
3289960	SCHOTT AG	29/08/2017	3289960	17188245.9	German

3290086	Wella Operations US, LLC	06/09/2016	3290086	16187310.4	
3290913	ION-TOF Technologies GmbH	02/09/2016	3290913	16186930.0	German
3291343	Eliiy Power Co., Ltd.	01/05/2015	3291343	15891287.3	
3292842	Suzhou Innomed Medical Device Co., Ltd	04/05/2016	3292842	16789317.1	
3297997	Illumina Cambridge Limited	23/05/2016	3297997	16724961.4	
3298435	Iltis, Alain	13/05/2016	3298435	16726366.4	French
3299842	IDS Georadar S.r.l.	19/09/2017	3299842	17191814.7	
3300361	Huawei Technologies Co. Ltd.	02/03/2016	3300361	16806532.4	
3301719	Sony Group Corporation	10/06/2011	3301719	17198102.0	
3302718	Nic Impex	24/05/2016	3302718	16731224.8	French
3303050	KEIPER Seating Mechanisms Co., Ltd.	02/06/2016	3303050	16804425.3	
3303553	Evolva Cargill, Incorporated	27/05/2016	3303553	16804137.4	
3303977	Raytheon Canada Limited	02/06/2015	3303977	15893559.3	
3304507	Schlage Lock Company LLC	01/06/2016	3304507	16804300.8	
3306470	Huawei Technologies Co., Ltd.	09/10/2016	3306470	16854908.7	
3308295	Oracle International Corporation	26/05/2016	3308295	16729120.2	
3308394	Microchip Technology Incorporated	03/06/2016	3308394	16729463.6	
3308556	Sennheiser electronic GmbH & Co. KG	14/06/2016	3308556	16730796.6	German
3309399	Mitsubishi Electric Corporation	11/06/2015	3309399	15894966.9	
3310012	Sony Group Corporation	03/06/2016	3310012	16811462.7	
3311810	Huyabio International, LLC Shanghai Institute of Materia Medica, Chinese Academy of Sciences	16/11/2010	3311810	17182709.0	
3313343	PFNonwovens Czech s.r.o.	24/06/2016	3313343	16747432.9	
3313661	3M Innovative Properties Company	24/06/2016	3313661	16741430.9	
3313756	Global Bins Designs Ltd.	09/02/2016	3313756	16707646.2	
3314274	Schrödl, Manfred	28/06/2016	3314274	16766214.7	German
3315016	Deere & Company	26/10/2017	3315016	17198450.3	
3315235	Pramet Tools, S.R.O.	27/10/2016	3315235	16196074.5	
3316333	LG Display Co., Ltd.	31/10/2017	3316333	17199461.9	
3318932	miDiagnostics NV	03/11/2017	3318932	17200027.5	
3321957	Kabushiki Kaisha Toshiba Toshiba Materials Co., Ltd.	01/06/2016	3321957	16821132.4	
3323343	Hill-Rom Services, Inc.	03/04/2012	3323343	18150654.4	

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3324271	InterDigital Madison Patent Holdings, SAS	13/11/2017	3324271	17201304.7	
3324293	SAP SE	26/10/2017	3324293	17001767.7	
3328764	Ave Technologies S.r.l.	29/07/2016	3328764	16766374.9	
3332018	Evolv SA	29/07/2016	3332018	16750132.9	
3333347	MACO Technologie GmbH	28/11/2017	3333347	17204003.2	German
3334189	GN Hearing A/S	08/12/2016	3334189	16202919.3	
3334558	Trumpf Laser- und Systemtechnik GmbH	13/08/2015	3334558	15750998.5	German
3337561	Cardiac Pacemakers, Inc.	19/08/2016	3337561	16757506.7	
3338023	KYOCERA SLD Laser, Inc.	19/08/2016	3338023	16837921.2	
3338846	BMC Medical Co., Ltd.	29/12/2016	3338846	16881243.6	
3339170	Safran Landing Systems	22/12/2017	3339170	17210111.5	French
3340422	Samsung Electronics Co., Ltd.	19/12/2017	3340422	17208611.8	
3343226	Proteomics International Pty Ltd	20/09/2011	3343226	18155797.6	
3343363	VEEA Systems LTD	11/12/2017	3343363	17206464.4	
3345874	Bando Kiko Co., Ltd	31/08/2016	3345874	16841126.2	
3347006	GABA Therapeutics Inc.	18/03/2016	3347006	16769437.1	
3347538	Knauf Gips KG	08/09/2015	3347538	15771506.1	
3348141	H. Ikeuchi & Co., Ltd.	07/07/2016	3348141	16863851.8	
3348983	Fedem Technology AS	28/12/2017	3348983	17002062.2	
3349400	Advanced New Technologies Co., Ltd.	30/08/2016	3349400	16843579.0	
3349772	Moleac Pte Ltd.	13/09/2016	3349772	16846968.2	
3349806	The Procter & Gamble Company	13/09/2016	3349806	16775028.0	
3350542	Technion Research & Development Foundation Limited	18/09/2016	3350542	16845846.1	
3350710	Microsoft Technology Licensing, LLC	13/09/2016	3350710	16775380.5	
3350873	Cellmax Technologies AB	15/09/2016	3350873	16846962.5	
3352514	Sony Group Corporation	10/06/2016	3352514	16846047.5	
3352642	Buffalo Filter LLC	02/11/2016	3352642	16862890.7	
3352822	Pain Therapeutics, Inc. Zamlot, Michael	26/09/2016	3352822	16849842.6	
3353406	Cummins, Inc.	16/09/2016	3353406	16849379.9	
3355225	Sony Group Corporation	31/01/2017	3355225	17154089.1	
3355359	Shindengen Electric Manufacturing Co., Ltd.	18/09/2015	3355359	15890169.4	
3356601	Harsco Technologies LLC	26/09/2016	3356601	16852365.2	

3357096	Apple Inc.	14/12/2016	3357096	16820506.0	
3359235	Smiths Medical International Limited	31/05/2016	3359235	16727775.5	
3359340	Hytorc Division Unex Corporation	05/10/2016	3359340	16784650.0	
3360186	Cummins Power Generation IP, Inc.	04/10/2016	3360186	16854173.8	
3360941	BOE Technology Group Co., Ltd. Boe Optical Science and Technology Co., Ltd.	05/02/2016	3360941	16794200.2	
3361665	Samsung Electronics Co., Ltd.	25/04/2008	3361665	18156296.8	
3362487	Roquette Frères	14/10/2016	3362487	16794381.0	French
3362729	Pioneer Lining Technology Limited	17/10/2016	3362729	16797966.5	
3362759	Carrier Corporation	12/10/2015	3362759	15804581.5	
3363744	Astroscale Japan Inc.	07/04/2017	3363744	17165426.2	
3364615	Telefónica Germany GmbH & Co. OHG	17/02/2017	3364615	17156745.6	
3365744	Husqvarna AB	17/10/2016	3365744	16857882.1	
3366426	Black & Decker Inc.	22/02/2018	3366426	18158227.1	
3366792	Barrick Gold Corporation	07/12/2011	3366792	18155275.3	
3367457	LG Display Co., Ltd.	24/02/2017	3367457	17157895.8	
3368046	Glycom A/S	28/10/2016	3368046	16859111.3	
3370071	GMC-I Messtechnik GmbH	08/02/2018	3370071	18155755.4	German
3372702	Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)	31/10/2016	3372702	16862027.6	
3373758	Sanko Tekstil Isletmeleri San. Ve Tic. A.S.	08/11/2016	3373758	16791415.9	
3375217	University of Notre Dame du Lac	07/11/2016	3375217	16889640.5	
3376138	Mitsubishi Electric Corporation	12/11/2015	3376138	15908306.2	
3376963	FNAPEN LLC	31/10/2016	3376963	16866836.6	
3377155	Global Medisafe Holdings Ltd	18/11/2016	3377155	16863245.3	
3377532	Bristol-Myers Squibb Company	17/11/2016	3377532	16805668.7	
3378360	LG Electronics Inc.	22/03/2018	3378360	18163365.2	
3379085	VOLKSWAGEN AKTIENGESELLSCHAFT	09/03/2018	3379085	18160843.1	German
3379953	JT International S.A.	28/11/2016	3379953	16802055.0	
3380334	Giesecke+Devrient Currency Technology GmbH	18/11/2016	3380334	16798626.4	German
3380526	Organofuel Sweden AB	23/11/2016	3380526	16805036.7	
3382460	Brother Kogyo Kabushiki Kaisha	29/09/2017	3382460	17193931.7	



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3383132	BSH Hausgeräte GmbH	05/03/2018	3383132	18159927.5	German
3383489	Medtronic, Inc.	02/12/2016	3383489	16813291.8	
3383503	Colgate-Palmolive Company	17/12/2015	3383503	15821225.8	
3384157	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	26/07/2017	3384157	17866371.2	
3384297	Ehling, Martin	30/11/2016	3384297	16826152.7	German
3384752	Black & Decker Inc.	13/03/2018	3384752	18161537.8	
3385931	AUDI AG	29/03/2018	3385931	18164998.9	German
3386342	The House of Curls Ltd	12/12/2016	3386342	16829110.2	
3386547	The Royal Institution for the Advancement of Learning / McGill University	02/12/2016	3386547	16871858.3	
3387120	The U.S.A. as represented by the Secretary, Department of Health and Human Services	12/12/2016	3387120	16838103.6	
3390863	Bekaert Advanced Cords Aalter NV	09/12/2016	3390863	16808693.2	
3391846	miraDry, Inc.	12/12/2008	3391846	18155849.5	
3392500	GE Avio S.r.l.	18/04/2017	3392500	17425042.3	
3394606	Lishtot, Ltd Bauer, Alan Joseph	06/11/2016	3394606	16881392.1	
3395625	Valeo Systèmes d'Essuyage	13/04/2018	3395625	18167180.1	French
3395829	Konica Minolta, Inc. Tabata, Yasuhiko	19/12/2016	3395829	16878634.1	
3396347	Yokogawa Electric Corporation	25/04/2018	3396347	18169310.2	
3396547	Intel Corporation	26/03/2018	3396547	18164092.1	
3397564	Smart Packaging Industries Holding AS	23/12/2016	3397564	16882172.6	
3397658	Braskem America, Inc.	29/12/2016	3397658	16882689.9	
3399566	NIPPON STEEL Chemical & Material Co., Ltd.	28/11/2016	3399566	16881576.9	
3399672	CommScope Technologies LLC	05/03/2010	3399672	18178997.5	
3401266	Otis Elevator Company	11/05/2018	3401266	18171928.7	
3402079	ams AG	09/05/2017	3402079	17170073.5	
3402686	PSA Automobiles SA	04/01/2017	3402686	17702676.2	French
3404095	Life Technologies Corporation	02/05/2013	3404095	18162843.9	
3404118	Allarity Therapeutics Europe ApS	16/05/2018	3404118	18172585.4	
3404446	STMicroelectronics S.r.l.	11/05/2018	3404446	18171778.6	
3404748	Sion Power Corporation	18/05/2018	3404748	18173292.6	

3406276	Transell Co., Ltd.	20/12/2016	3406276	16886518.6	
3406466	NTN Corporation	16/01/2017	3406466	17741351.5	
3407033	Vestel Elektronik Sanayi ve Ticaret A.S. Özyegin University	22/05/2017	3407033	17172291.1	
3407348	Harman International Industries, Incorporated	15/05/2018	3407348	18172414.7	
3407767	Keurig Green Mountain, Inc.	27/01/2017	3407767	17703629.0	
3409112	The University of Nottingham Massachusetts Institute of Technology	04/05/2012	3409112	18182316.2	
3409304	3M Innovative Properties Company	05/03/2009	3409304	18182033.3	
3409747	Jiangsu Bree Optronics Co., Ltd	04/03/2016	3409747	16753809.9	
3410313	Huawei Device Co., Ltd.	23/08/2013	3410313	18168768.2	
3410768	Huawei Technologies Co., Ltd.	31/03/2016	3410768	16895981.5	
3411258	PRINOTH S.p.A.	06/02/2017	3411258	17713769.2	
3411314	Laitram, LLC	01/02/2017	3411314	17748049.8	
3412140	Techtronic Outdoor Products Technology Limited	20/05/2013	3412140	18156352.9	
3413062	Bender GmbH & Co. KG	23/05/2018	3413062	18173770.1	German
3413148	Dr. Johannes Heidenhain GmbH	09/03/2018	3413148	18160927.2	German
3413353	STMicroelectronics S.r.l.	08/06/2018	3413353	18176876.3	
3413962	NUVECTRA CORPORATION	13/02/2017	3413962	17711382.6	
3414050	ATM Qness GmbH	09/02/2017	3414050	17704453.4	German
3415578	Furukawa Electric Co., Ltd.	16/12/2016	3415578	16889955.7	
3415695	Hansen Developments Limited	12/06/2018	3415695	18177224.5	
3415819	Raytheon Technologies Corporation	15/06/2018	3415819	18178091.7	
3416307	STMicroelectronics (Research & Development) Limited	12/06/2017	3416307	17175551.5	
3416707	Nemera La Verpilliere	13/01/2017	3416707	17706840.0	French
3416968	Promega Corporation	14/02/2017	3416968	17706387.2	
3417914	Kidde Graviner Limited	22/06/2017	3417914	17275090.3	
3417961	General Electric Company	19/06/2017	3417961	17405009.6	
3418138	Caterpillar SARL	14/06/2018	3418138	18177884.6	
3418141	Ningbo Geely Automobile Research & Development Co. Ltd.	22/06/2017	3418141	17177373.2	
3418880	Advanced New Technologies Co., Ltd.	04/02/2017	3418880	17752649.8	

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3420202	Siemens Energy Global GmbH & Co. KG	31/03/2017	3420202	17716485.2	German
3421033	Bristol-Myers Squibb Holdings Ireland Unlimited Company	06/10/2014	3421033	18179796.0	
3421147	DUS Operating, Inc.	25/05/2018	3421147	18174346.9	
3421954	MBDA Deutschland GmbH	10/04/2018	3421954	18166550.6	German
3421961	Citizen Finedevice Co., Ltd. Citizen Watch Co., Ltd.	21/02/2017	3421961	17756481.2	
3422071	Valeo Vision Belgique	22/06/2018	3422071	18179231.8	French
3423106	Alexion Pharmaceuticals, Inc. Yale University	28/02/2017	3423106	17711856.9	
3426205	Carl Zeiss Meditec AG	08/03/2017	3426205	17709648.4	German
3426958	Westport Fuel Systems Canada Inc.	07/03/2017	3426958	17762377.4	
3427349	TECHNO GROUP S.r.l.	09/03/2017	3427349	17718994.1	
3427626	Samsung Electronics Co., Ltd.	11/04/2017	3427626	17789812.9	
3428117	Universidad de Las Palmas de Gran Canaria	02/03/2017	3428117	17762582.9	
3428667	Elmos Semiconductor SE	30/06/2015	3428667	18186091.7	German
3428668	Elmos Semiconductor SE	30/06/2015	3428668	18186092.5	German
3429126	Huawei Technologies Co., Ltd.	16/03/2017	3429126	17773059.5	
3429160	HUAWEI TECHNOLOGIES CO., LTD.	12/12/2013	3429160	18173711.5	
3430155	Biocheminsights Inc.	14/03/2017	3430155	17767305.0	
3430999	Biosense Webster (Israel) Ltd.	18/07/2018	3430999	18184126.3	
3431497	The Trustees of Princeton University	24/06/2013	3431497	18192415.0	
3431821	Textron Innovations Inc.	18/08/2017	3431821	17186844.1	
3432289	DENSO CORPORATION	22/02/2017	3432289	17766243.4	
3432404	LG Energy Solution, Ltd.	01/12/2017	3432404	17877573.0	
3433078	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. Technische Universität Dresden	14/03/2017	3433078	17710877.6	German
3433713	Microsoft Technology Licensing, LLC	20/03/2017	3433713	17715318.6	
3433745	Advanced Micro Devices, Inc.	20/09/2016	3433745	16905675.1	
3433771	Bentley Systems, Incorporated	03/11/2016	3433771	16805582.0	
3436146	Alvalux Medical	27/03/2017	3436146	17715070.3	
3436816	Genia Technologies, Inc.	29/03/2017	3436816	17715421.8	
3436881	Husqvarna AB	13/03/2017	3436881	17775983.4	

3437352	IDAC Holdings, Inc.	31/03/2017	3437352	17720602.6	
3437385	Nokia Solutions and Networks Oy	31/03/2016	3437385	16714374.2	
3437444	ATLAS COPCO AIRPOWER N.V.	21/02/2017	3437444	17775979.2	
3437777	Panasonic Intellectual Property Management Co., Ltd.	17/03/2017	3437777	17774440.6	
3437826	Sumitomo Heavy Industries, Ltd.	31/03/2017	3437826	17775578.2	
3437858	Nippon Paint Automotive Coatings Co., Ltd.	24/03/2017	3437858	17774783.9	
3438004	Mitsubishi Electric Corporation	01/02/2017	3438004	17773629.5	
3438531	General Electric Technology GmbH	31/07/2017	3438531	17184058.0	
3438680	Beijing Const Instruments Technology Inc.	27/04/2016	3438680	16896127.4	
3439155	NTN Corporation	10/03/2017	3439155	17774201.2	
3440098	Oxford Nanopore Technologies plc	06/04/2017	3440098	17722128.0	
3441774	The Boeing Company	07/08/2018	3441774	18187700.2	
3441776	Beijing Tflying Transducer Technology Co., Ltd.	01/03/2018	3441776	18714420.9	
3442081	era-contact GmbH	10/08/2018	3442081	18188515.3	German
3442319	Quanta Computer Inc.	29/05/2018	3442319	18174696.7	
3442404	BR Invention Holding, LLC Stein, Stuart, Alan Smith, Craig, Steven	14/04/2017	3442404	17783250.8	
3442442	Carthera	14/04/2017	3442442	17717716.9	French
3442657	ESM Technologies, LLC Ruff, Kevin, J.	15/04/2016	3442657	16898834.3	
3443428	Agjunction LLC	10/04/2017	3443428	17721900.3	
3444346	University of Massachusetts	22/04/2011	3444346	18179954.5	
3445557	Universal Smart Inc.	24/04/2017	3445557	17786805.6	
3446461	Cisco Technology, Inc.	18/04/2017	3446461	17733142.8	
3446977	Safran Seats GB Limited	15/03/2013	3446977	18192200.6	
3447111	Innospec Limited	10/03/2011	3447111	18189048.4	
3447370	Valeo North America, Inc.	27/07/2018	3447370	18186102.2	
3449451	Nchain Holdings Limited	28/04/2017	3449451	17721868.2	
3449542	Continental Automotive Systems, Inc.	20/04/2017	3449542	17723184.2	
3450436	Takeda Pharmaceutical Company Limited	27/04/2017	3450436	17789656.0	

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3451165	Cambricon Technologies Corporation Limited	12/05/2016	3451165	16899925.8	
3451261	Bundesdruckerei GmbH	27/08/2018	3451261	18191019.1	German
3451643	Metaswitch Networks Ltd	27/02/2013	3451643	18201172.6	
3454383	NICHIA CORPORATION	01/02/2008	3454383	18193709.5	
3454423	Easy Sanitary Solutions B.V.	10/09/2018	3454423	18193542.0	
3454894	Najit Technologies, Inc.	10/05/2017	3454894	17725054.5	
3456369	B. Braun Melsungen AG	11/09/2018	3456369	18193775.6	German
3456528	C.E.E Compagnie Européenne des Emballages Robert Schisler	19/09/2018	3456528	18195504.8	French
3456939	Pratt & Whitney Canada Corp.	14/09/2018	3456939	18194629.4	
3457735	Huawei Technologies Co., Ltd.	22/06/2017	3457735	17814734.4	
3457855	Ovention, Inc.	22/05/2017	3457855	17800332.3	
3458440	NeuroTheryX Canada Ltd.	15/05/2017	3458440	17725128.7	
3458475	Access to Advanced Health Institute	11/05/2017	3458475	17725451.3	
3459239	Samsung Electronics Co., Ltd.	05/09/2017	3459239	17849047.0	
3459245	QUALCOMM Incorporated	16/05/2017	3459245	17725151.9	
3459354	Fuji Oil Europe	20/09/2018	3459354	18195798.6	
3459494	Kambara, Masaki	10/05/2017	3459494	17796179.4	
3459827	Volvo Car Corporation	25/09/2017	3459827	17192793.2	
3460537	The Boeing Company	20/08/2018	3460537	18189791.9	
3460719	DTP spółka z ograniczona odpowiedzialnoscia	20/04/2018	3460719	18460023.7	
3461226	Huawei Technologies Co., Ltd.	17/05/2016	3461226	16901967.6	
3462545	Panduit Corp	02/10/2018	3462545	18198242.2	
3463120	Intervene, Inc.	02/06/2017	3463120	17739356.8	
3463271	Henkel AG & Co. KGaA	31/05/2017	3463271	17726642.6	German
3463749	Husqvarna AB	01/06/2017	3463749	17728171.4	
3464588	Norgen Biotek Corporation	16/05/2017	3464588	17801862.8	
3464864	Airbus Canada Limited Partnership	24/05/2017	3464864	17730937.4	
3465154	Universita' Degli Studi di Firenze	25/05/2017	3465154	17737357.8	
3465286	Geoquest Systems B.V.	23/05/2017	3465286	17803380.9	
3465766	General Electric Company	23/05/2017	3465766	17728341.3	
3465921	TDF	05/05/2017	3465921	17721678.5	French
3466042	ORANGE	29/05/2017	3466042	17731234.5	French
3466310	Black & Decker Inc.	03/10/2017	3466310	17194510.8	
3467452	Hitachi High-Tech Corporation	11/04/2017	3467452	17802464.2	

3467870	Canon Kabushiki Kaisha	29/05/2017	3467870	17806606.4	
3467926	Robert Bosch GmbH	07/02/2018	3467926	18155476.7	German
3468184	GE Video Compression, LLC	09/11/2012	3468184	18192562.9	
3468200	Imagination Technologies Limited	05/10/2018	3468200	18198949.2	
3468232	Panasonic Intellectual Property Management Co., Ltd.	19/04/2017	3468232	17802499.8	
3468658	Cakmak, Yusuf Ozgur	10/06/2016	3468658	16747643.1	
3469679	Vestas Wind Systems A/S	31/05/2017	3469679	17730662.8	
3470259	MAN Truck & Bus SE	14/09/2018	3470259	18194459.6	German
3470467	LANXESS Deutschland GmbH	27/09/2018	3470467	18197034.4	German
3471856	Donaldson Company, Inc.	16/06/2017	3471856	17732723.6	
3471980	Bayerische Motoren Werke Aktiengesellschaft	14/06/2017	3471980	17730145.4	German
3472540	Carrier Corporation	16/06/2017	3472540	17733318.4	
3472892	Raytheon Company	13/06/2017	3472892	17732680.8	
3474376	Advanced Automotive Antennas, S.L.U.	17/10/2017	3474376	17382689.2	
3474718	Vorwerk & Co. Interholding GmbH	13/06/2017	3474718	17731116.4	German
3474844	Trichomeshell Ltd.	28/06/2017	3474844	17819495.7	
3474870	VIB VZW Universiteit Gent Katholieke Universiteit Leuven K.U. Leuven R&D	23/06/2017	3474870	17735417.2	
3475559	LM Wind Power A/S	23/06/2017	3475559	17733802.7	
3475805	Hewlett-Packard Development Company, L.P.	16/06/2017	3475805	17887657.9	
3476515	Tyco Electronics (Shanghai) Co. Ltd. TE Connectivity Corporation TE Connectivity Germany GmbH MEAS France Kunshan League Automechanism Co., Ltd. Shenzhen AMI Technology Co. Ltd	23/10/2018	3476515	18201946.3	
3476646	Hitachi, Ltd.	15/06/2017	3476646	17819880.0	
3477353	Mitsumi Electric Co., Ltd.	14/06/2017	3477353	17815260.9	
3478215	3M Innovative Properties Company	13/06/2017	3478215	17820885.6	
3478606	Interroll Holding AG	29/06/2017	3478606	17736625.9	German

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3479889	Hydac Technology Corporation	31/10/2018	3479889	18203621.0	
3479981	TC TECH Sweden AB (publ)	18/12/2013	3479981	18213156.5	
3480518	Shenzhen Ewinlight Technology Co., Ltd.	29/06/2016	3480518	16906687.5	
3481071	Sony Semiconductor Solutions Corporation	16/06/2017	3481071	17819900.6	
3481366	The Gillette Company LLC	07/07/2017	3481366	17740590.9	
3482668	Rug Doctor, LLC	07/11/2018	3482668	18205031.0	
3483579	NKT HV Cables AB	08/11/2017	3483579	17200664.5	
3484439	Unilever Global IP Limited	14/06/2017	3484439	17730156.1	
3484679	Siemens Healthcare Diagnostics Inc.	27/06/2017	3484679	17828170.5	
3485050	Wieland-Werke AG	27/06/2017	3485050	17736568.1	German
3485720	CNH Industrial Belgium NV	14/11/2018	3485720	18206257.0	
3485758	Valigeria Roncato S.p.A.	08/11/2018	3485758	18205244.9	
3485922	3M Innovative Properties Company	27/06/2016	3485922	18206686.0	
3485994	H & T Marsberg GmbH & Co. KG	21/11/2017	3485994	17202922.5	
3486627	Melexis Technologies NV	15/11/2017	3486627	17201975.4	
3486904	Huawei Technologies Co., Ltd.	22/02/2017	3486904	17838307.1	
3486937	Purdue Research Foundation	21/04/2014	3486937	18206198.6	
3487187	Sony Group Corporation	13/06/2017	3487187	17827313.2	
3489752	Sony Group Corporation	12/06/2017	3489752	17830748.4	
3490060	Panasonic Intellectual Property Management Co., Ltd.	23/11/2018	3490060	18207923.6	
3490062	Panasonic Intellectual Property Management Co., Ltd.	23/11/2018	3490062	18207925.1	
3490284	Yokogawa Electric Corporation	09/11/2018	3490284	18205396.7	
3491130	DSM IP Assets B.V.	15/12/2016	3491130	16822420.2	
3491854	Nokia Technologies Oy	20/07/2017	3491854	17836462.6	
3491876	Samsung Electronics Co., Ltd.	05/09/2017	3491876	17849060.3	
3492643	Card-Monroe Corporation	27/02/2015	3492643	18215611.7	
3493203	Huawei Technologies Co., Ltd.	22/02/2017	3493203	17838306.3	
3493265	Samsung Display Co., Ltd	30/11/2018	3493265	18209510.9	
3493297	BYD Company Limited	14/08/2017	3493297	17845206.6	
3493712	Koninklijke Douwe Egberts B.V.	03/08/2017	3493712	17754828.6	
3494699	Samsung Electronics Co., Ltd.	20/10/2017	3494699	17866674.9	
3494787	Beijing Xiaomi Mobile Software Co., Ltd.	29/11/2018	3494787	18209243.7	

3494821	NIKE Innovate C.V.	09/03/2015	3494821	18204546.8	
3494827	Gottlieb Binder GmbH & Co. KG	23/11/2018	3494827	18208101.8	German
3494992	Medimmune Limited	19/12/2013	3494992	18200555.3	
3496222	LSIS Co., Ltd.	30/11/2018	3496222	18209668.5	
3496864	Metso Outotec Finland Oy	15/08/2016	3496864	16906497.9	
3497427	Veltek Associates, INC.	19/07/2017	3497427	17841813.3	
3497612	Codescene AB	10/07/2017	3497612	17839922.6	
3498501	Airbus Operations Limited Airbus Operations GmbH	13/12/2018	3498501	18212312.5	
3498574	Wipro Limited	26/03/2018	3498574	18164089.7	
3498599	Goodrich Corporation	14/12/2018	3498599	18212781.1	
3498658	Sidel Participations	22/11/2018	3498658	18207851.9	
3499373	Huawei Technologies Co., Ltd.	24/08/2017	3499373	17845301.5	
3499397	Amazon Technologies, Inc.	11/04/2014	3499397	19156042.4	
3499745	Huawei Technologies Co., Ltd.	22/08/2017	3499745	17845287.6	
3501193	Bana, Hafeez	18/08/2017	3501193	17758607.0	
3501360	Bemis Manufacturing Company	21/12/2018	3501360	18215313.0	
3501603	Toshiba Energy Systems & Solutions Corporation	18/12/2018	3501603	18213762.0	
3502111	Medshine Discovery Inc.	22/08/2017	3502111	17842892.6	
3504620	Google LLC	15/05/2018	3504620	18732517.0	
3504808	STAR MESH LLC	23/08/2017	3504808	17844319.8	
3505135	I2 Implantologia, S.L.	26/12/2017	3505135	17382907.8	
3506032	Lux Italia Srl	13/11/2017	3506032	17020530.6	
3506664	HUAWEI TECHNOLOGIES CO., LTD.	30/06/2012	3506664	18192479.6	
3506866	Smith & Nephew, Inc. University of Massachusetts	29/08/2017	3506866	17765326.8	
3506923	Genexine, Inc. Handok Inc.	30/08/2017	3506923	17846985.4	
3507299	CEM Corporation	19/04/2017	3507299	17847113.2	
3507474	Robert Bosch GmbH	04/08/2017	3507474	17751365.2	German
3507611	Texas Instruments Incorporated	31/08/2017	3507611	17847582.8	
3508427	General Electric Company	20/12/2018	3508427	18214616.7	
3508536	LANXESS Deutschland GmbH	01/10/2018	3508536	18197972.5	German
3508973	Apple Inc.	01/11/2016	3508973	19157463.1	
3509056	Nippon Seiki Co., Ltd.	07/08/2017	3509056	17846049.9	



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3509071	Firstbeat Analytics OY	08/01/2019	3509071	19150719.3	
3509467	Samsung Electronics Co., Ltd.	18/10/2017	3509467	17861383.2	
3509917	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	16/08/2017	3509917	17761827.9	German
3510445	Profoto AB	05/09/2017	3510445	17849200.5	
3510467	X Development LLC	25/09/2017	3510467	17860424.5	
3510533	Dexcom, Inc.	08/09/2017	3510533	17849614.7	
3510765	Grass Valley Canada	07/09/2017	3510765	17767776.2	
3511361	Mitsubishi Chemical Corporation	28/08/2017	3511361	17848602.3	
3511581	Maclean-Fogg Company	15/01/2019	3511581	19151847.1	
3512525	Bio-Path Holdings, Inc.	15/09/2017	3512525	17851584.7	
3512554	North Carolina State University	13/09/2017	3512554	17851460.0	
3512855	The Regents of the University of Michigan	13/09/2017	3512855	17772214.7	
3513264	SITECO GmbH	15/09/2017	3513264	17784070.9	
3513609	Sony Group Corporation	29/08/2017	3513609	17755548.9	
3513973	Konica Minolta, Inc.	13/09/2017	3513973	17850932.9	
3514277	Da Kong Enterprise Co., Ltd.	21/01/2019	3514277	19152694.6	
3516918	QUALCOMM Incorporated	21/09/2017	3516918	17780272.5	
3516919	Canary Connect, Inc.	18/09/2017	3516919	17851684.5	
3517011	BSH Hausgeräte GmbH	18/01/2019	3517011	19152483.4	German
3517619	CJ Cheiljedang Corporation	01/09/2017	3517619	17853323.8	
3517837	Teknoware Oy	24/01/2019	3517837	19153539.2	
3518508	Samsung Electronics Co., Ltd.	20/10/2017	3518508	17865568.4	
3518642	Furukawa Electric Co., Ltd. Furukawa Automotive Systems Inc.	26/09/2017	3518642	17853227.1	
3519030	Helight	27/09/2017	3519030	17787223.1	French
3519177	Flooring Industries Limited, SARL	28/09/2017	3519177	17794408.9	
3519571	Aptitude Medical Systems, Inc.	27/09/2017	3519571	17857297.0	
3520297	QUALCOMM Incorporated	29/09/2017	3520297	17784148.3	
3520442	Cochlear Limited	25/09/2017	3520442	17855102.4	
3521047	Toray Industries, Inc.	25/09/2017	3521047	17856059.5	
3521313	Chiome Bioscience Inc.	21/11/2012	3521313	18203986.7	
3522077	FineLine Technologies	01/02/2019	3522077	19155055.7	
3522085	Hangzhou Hikrobot Technology Co., Ltd	10/08/2017	3522085	17854588.5	
3522688	ABB Schweiz AG	06/02/2018	3522688	18155289.4	

3523720	Telefonaktiebolaget LM Ericsson (PUBL)	10/10/2016	3523720	16778411.5	
3524365	Pharmatec GmbH	07/02/2019	3524365	19401005.4	German
3524414	Premium AEROTEC GmbH	29/09/2011	3524414	19160811.6	German
3524761	OTLAV S.p.A	12/02/2019	3524761	19156765.0	
3524779	Rolls-Royce plc	23/01/2019	3524779	19153324.9	
3525254	Samsung Display Co., Ltd.	18/01/2019	3525254	19152453.7	
3525294	Stabilus GmbH	01/02/2019	3525294	19155152.2	German
3525704	St. Jude Medical, Cardiology Division, Inc.	01/12/2017	3525704	17878261.1	
3525998	Dorst Technologies GmbH & Co. KG	13/10/2017	3525998	17783863.8	German
3526858	iwis mechatronics GmbH & Co. KG	04/09/2017	3526858	17762098.6	German
3527258	Boston Scientific Neuromodulation Corporation	15/03/2012	3527258	19160637.5	
3527927	Rheinmetall Waffe Munition ARGES GmbH	15/02/2019	3527927	19157381.5	German
3528654	Nicoventures Trading Limited	19/10/2017	3528654	17793879.2	
3528960	Flocon, Inc.	17/10/2017	3528960	17861923.5	
3529088	Equalaire Systems, Inc.	20/10/2017	3529088	17861949.0	
3529142	WBV Weisenburger Bau+Verwaltung GmbH	20/12/2018	3529142	18827079.7	German
3530080	Lutron Technology Company LLC	20/10/2017	3530080	17794178.8	
3531173	Valeo Vision	22/02/2019	3531173	19158946.4	French
3532399	PELLICONI & C. S.P.A.	20/10/2017	3532399	17798332.7	
3533094	Johnson Matthey Plc	24/10/2017	3533094	17792139.2	
3533265	Qualcomm Incorporated	05/10/2017	3533265	17787094.6	
3533451	Guangzhou Hanfang Pharmaceuticals Co., Ltd.	14/02/2017	3533451	17892917.0	
3533590	Nitto Denko Corporation	20/10/2017	3533590	17863553.8	
3533743	Otis Elevator Company	01/03/2019	3533743	19160291.1	
3534135	Balance Systems S.r.L.	22/02/2019	3534135	19158944.9	
3535053	Dow Global Technologies LLC	25/10/2017	3535053	17804016.8	
3535117	Adler Pelzer Holding GmbH	01/11/2017	3535117	17816405.9	German
3535270	Promega Corporation	01/11/2017	3535270	17817316.7	
3535489	Vestas Wind Systems A/S	02/11/2017	3535489	17797297.3	
3535744	Wing Aviation LLC	07/12/2017	3535744	17883962.7	

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3536400	Japan Agency for Marine-Earth Science and Technology	08/06/2012	3536400	19160254.9	
3536555	Volvo Car Corporation	05/03/2018	3536555	18159953.1	
3536836	Teijin Limited	25/10/2017	3536836	17866832.3	
3537025	Nel Hydrogen A/S	04/03/2019	3537025	19160518.7	
3537505	Techtronic Cordless GP	07/03/2019	3537505	19161217.5	
3537517	Samsung SDI Co., Ltd.	31/10/2017	3537517	17868245.6	
3537580	Mitsubishi Electric Corporation	02/11/2016	3537580	16920580.4	
3537609	Analog Devices International Unlimited Company	08/03/2019	3537609	19161602.8	
3537662	Huawei Technologies Co., Ltd.	30/10/2017	3537662	17873360.6	
3538161	The Regents of the University of California	08/11/2017	3538161	17869521.9	
3539758	Ratier-Figeac SAS	14/03/2018	3539758	18305276.0	
3540064	Howard Hughes Medical Institute	10/10/2013	3540064	19160143.4	
3540892	Alcatel Submarine Networks	16/03/2018	3540892	18305294.3	
3540912	IHI Corporation	11/12/2015	3540912	19172534.0	
3541131	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	22/12/2016	3541131	16924351.6	
3541775	DSM IP Assets B.V.	16/11/2017	3541775	17797661.0	
3542150	Endress+Hauser SE+Co. KG	10/10/2017	3542150	17781484.5	German
3542426	Carlisle Interconnect Technologies, Inc.	17/11/2017	3542426	17871913.4	
3543189	Otis Elevator Company	14/03/2019	3543189	19162831.2	
3544352	Sony Group Corporation	11/12/2014	3544352	19168783.9	
3546198	CL Schutzrechtsverwaltungs GmbH	28/03/2018	3546198	18164762.9	
3546408	Otis Elevator Company	29/03/2019	3546408	19166356.6	
3546537	KANSAI PAINT CO., LTD.	27/09/2017	3546537	17873026.3	
3547891	Reckitt Benckiser Finish B.V.	28/11/2017	3547891	17808408.3	
3547943	Yeditepe Üniversitesi	08/06/2017	3547943	17772782.3	
3548538	Novomer, Inc.	05/02/2018	3548538	18725674.8	
3548760	The Timken Company	15/09/2017	3548760	17772275.8	
3549834	ZF CV Systems Europe BV	20/03/2019	3549834	19164098.6	German
3551016	Zenbivy LLC	08/01/2018	3551016	18736232.2	
3551255	Sanofi-Aventis Deutschland GmbH	04/12/2017	3551255	17804924.3	
3551429	Hewlett-Packard Development Company, L.P.	27/04/2017	3551429	17908061.9	

3552277	Phoenix Contact GmbH & Co. KG	06/12/2017	3552277	17811929.3	German
3552346	Thales	11/12/2017	3552346	17811320.5	French
3552567	Kyungpook National University Industry-Academic Cooperation Foundation Daegu Gyeongbuk Institute of Science and Technology Korea Advanced Institute of Science and Technology	08/12/2017	3552567	17879150.5	
3553048	Toray Industries, Inc.	05/12/2017	3553048	17879609.0	
3553222	TP Reflex Group S.p.A.	02/04/2019	3553222	19166749.2	
3553509	Malvern Panalytical B.V.	04/04/2019	3553509	19167427.4	
3553664	Huawei Technologies Co., Ltd.	03/11/2017	3553664	17898328.4	
3553939	Renesas Electronics Corporation	28/03/2019	3553939	19165690.9	
3555074	Intervet International B.V.	13/12/2017	3555074	17821530.7	
3555219	Dow Global Technologies LLC Rohm and Haas Company	19/12/2016	3555219	16924887.9	
3556295	Hamamatsu Photonics K.K.	14/11/2017	3556295	17880438.1	
3557057	Ingersoll-Rand Industrial U.S., Inc.	18/04/2019	3557057	19170351.1	
3557083	Atlantic Fluid Tech S.r.l.	11/04/2019	3557083	19168769.8	
3557389	Apple Inc.	31/05/2017	3557389	19171354.4	
3557473	Arm Ltd	11/04/2019	3557473	19386023.6	
3557929	Telefonaktiebolaget LM Ericsson (publ)	14/10/2011	3557929	19179682.0	
3557991	3M Innovative Properties Company	19/12/2017	3557991	17838017.6	
3559764	Vestas Wind Systems A/S	24/11/2017	3559764	17872896.0	
3559835	Luxembourg Institute of Science and Technology	22/12/2017	3559835	17825862.0	
3561182	Kubota Corporation	20/12/2017	3561182	17883652.4	
3561294	Jiangsu Goldwind Science & Technology Co., Ltd.	03/05/2018	3561294	18893700.7	
3561441	Diatest Hermann Költgen GmbH	18/04/2019	3561441	19170057.4	German
3561729	Universidad De Alicante	03/03/2017	3561729	17884557.4	
3563047	Safran Aircraft Engines	28/12/2017	3563047	17832308.5	French
3563155	Blink AG	22/12/2017	3563155	17832075.0	
3563233	Bull SAS	28/12/2017	3563233	17832310.1	French
3563618	Samsung Electronics Co., Ltd.	05/02/2018	3563618	18748305.2	
3563631	Whirlpool Corporation	29/12/2016	3563631	16925430.7	

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3563637	Whirlpool Corporation Panasonic Holdings Corporation	29/12/2016	3563637	16925786.2	
3564192	Soutech Technology Development (Tianjin) Co., Ltd.	17/05/2018	3564192	18759839.6	
3565169	Huawei Technologies Co., Ltd.	04/06/2018	3565169	18817075.7	
3565665	Illumina, Inc.	21/12/2017	3565665	17890539.4	
3566018	Rheinmetall Waffe Munition GmbH	19/12/2017	3566018	17828709.0	German
3566514	Motorola Mobility LLC	05/01/2017	3566514	17890350.6	
3567962	Huawei Technologies Co., Ltd.	12/06/2018	3567962	18816841.3	
3568442	Allnex Austria GmbH	16/01/2018	3568442	18702621.6	
3568514	Oerlikon Textile GmbH & Co. KG	03/01/2018	3568514	18700030.2	German
3568628	Cryoshelter GmbH	05/01/2018	3568628	18700631.7	German
3569137	Vivior AG	16/05/2018	3569137	18172663.9	
3569505	Airbus Operations GmbH	22/11/2017	3569505	19177189.8	
3569667	Konica Minolta, Inc.	20/12/2017	3569667	17891736.5	
3570321	Sanoh Industrial Co., Ltd.	18/10/2017	3570321	17891934.6	
3570392	DEHN SE	08/05/2019	3570392	19173278.3	German
3570567	BOE Technology Group Co., Ltd.	22/09/2017	3570567	17891029.5	
3570863	University of Kansas University of Florida Research Foundation, Inc.	20/01/2018	3570863	18741702.7	
3570929	Medtronic, Inc.	17/01/2018	3570929	18704111.6	
3571111	Gomaco Corporation	17/01/2018	3571111	18742208.4	
3571421	GKN Automotive Limited	17/01/2018	3571421	18722718.6	
3572337	RAI Strategic Holdings, Inc.	03/05/2016	3572337	19186477.6	
3572568	Saurer Spinning Solutions GmbH & Co. KG	22/05/2019	3572568	19175866.3	German
3574277	Samsung Electronics Co., Ltd.	29/01/2018	3574277	18747977.9	
3574758	Ecolab USA Inc.	04/10/2013	3574758	19160311.7	
3575243	FERAG AG	29/05/2019	3575243	19177342.3	German
3575689	SAFRAN AIRCRAFT ENGINES	28/05/2019	3575689	19177130.2	French
3575706	Nano Frontier Technology Co., Ltd.	25/09/2017	3575706	17893530.0	
3575750	Cole-Parmer Instrument Company LLC	30/05/2019	3575750	19177501.4	
3575802	The Swatch Group Research and Development Ltd	01/06/2018	3575802	18175594.3	French
3576025	Northrop Grumman Systems Corporation	04/02/2016	3576025	19187630.9	

3576277	HUAWEI TECHNOLOGIES CO., LTD.	31/05/2019	3576277	19177639.2	
3577177	Fachhochschule Kiel	01/02/2018	3577177	18703549.8	German
3577339	Siemens Gamesa Renewable Energy A/S	28/11/2017	3577339	17816536.1	
3577350	fischerwerke GmbH & Co. KG	08/01/2018	3577350	18700642.4	German
3577626	Bundesrepublik Deutschland, vertreten durch das Bundesministerium für Wirtschaft und Energie, endvertreten durch den Präsidenten der PTB	02/02/2018	3577626	18703558.9	German
3577859	Wid Group	01/02/2018	3577859	18701770.2	French
3578236	NINTENDO CO., LTD.	27/05/2019	3578236	19176727.6	
3578492	Otis Elevator Company	05/06/2019	3578492	19178558.3	
3578764	Raytheon Technologies Corporation	05/06/2019	3578764	19178531.0	
3578855	Daido Kogyo Co., Ltd. NHK Spring Co., Ltd.	02/02/2017	3578855	17894941.8	
3579279	Samsung Display Co., Ltd.	06/06/2019	3579279	19178873.6	
3579312	FUJIFILM Wako Pure Chemical Corporation	02/02/2018	3579312	18747630.4	
3579313	FUJIFILM Wako Pure Chemical Corporation	02/02/2018	3579313	18747843.3	
3579485	Huawei Technologies Co., Ltd.	21/03/2012	3579485	19157107.4	
3580079	Volvo Truck Corporation	08/02/2017	3580079	17704232.2	
3580259	UCL Business Ltd	09/02/2018	3580259	18705128.9	
3580453	Vestas Wind Systems A/S	07/02/2018	3580453	18705079.4	
3580533	Endress+Hauser SE+Co. KG	15/01/2018	3580533	18700418.9	German
3580675	Microsoft Technology Licensing, LLC	01/02/2018	3580675	18705779.9	
3580843	DANA TM4 ITALIA S.R.L.	27/03/2018	3580843	18720363.3	
3581350	BIC Violex Single Member S.A.	13/06/2018	3581350	18177555.2	
3581370	The Boeing Company	26/03/2019	3581370	19165359.1	
3581467	Aptiv Technologies Limited	28/05/2019	3581467	19177125.2	
3581526	Laitram, L.L.C.	12/03/2013	3581526	19186614.4	
3581534	Otis Elevator Company	17/06/2019	3581534	19180699.1	
3581883	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	05/06/2019	3581883	19178400.8	German
3582575	Rohde & Schwarz GmbH & Co. KG	22/11/2017	3582575	19190681.7	German
3583149	Lord Corporation	20/02/2018	3583149	18708036.1	

3584629	Fuzhou Boe Optoelectronics Technology Co., Ltd. BOE Technology Group Co., Ltd.	11/09/2017	3584629	17847702.2	
3585050	Apple Inc.	08/04/2019	3585050	19167920.8	
3585080	Huawei Technologies Co., Ltd.	08/03/2018	3585080	18763489.4	
3585189	Philip Morris Products S.A.	24/01/2018	3585189	18703243.8	
3585320	Bolton Medical, Inc.	23/02/2018	3585320	18709882.7	
3586771	Covidien LP	27/06/2019	3586771	19183027.2	
3586886	Foundry Therapeutics, Inc.	31/03/2016	3586886	19174733.6	
3587086	Toray Industries, Inc.	05/02/2018	3587086	18757411.6	
3587102	Mazda Motor Corporation	16/02/2018	3587102	18775920.4	
3587120	Ricoh Company, Ltd.	16/05/2019	3587120	19174787.2	
3587529	3M Innovative Properties Company	22/06/2018	3587529	18179225.0	
3587937	MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.	25/06/2019	3587937	19182316.0	
3588260	Pure Storage, Inc.	16/08/2012	3588260	19168967.8	
3589939	MAF Agrobotic	30/01/2018	3589939	18705439.0	French
3590148	Hewlett-Packard Development Company, L.P.	11/04/2017	3590148	17905690.8	
3590661	Hangzhou Lianwei Technology Co., Ltd.	24/02/2018	3590661	18760548.0	
3590717	Kyocera Corporation	29/03/2018	3590717	18778001.0	
3591279	Huawei Technologies Co., Ltd.	20/04/2018	3591279	18788153.7	
3591518	Huawei Technologies Co., Ltd.	18/01/2018	3591518	18770207.1	
3592954	Eaton Intelligent Power Limited	24/10/2017	3592954	17798115.6	
3593056	Mitsubishi Electric Corporation	21/09/2017	3593056	17788317.0	
3594416	Sumitomo (S.H.I.) Construction Machinery Co., Ltd.	06/03/2018	3594416	18764718.5	
3594489	Beijing Goldwind Science & Creation Windpower Equipment Co. Ltd.	29/09/2018	3594489	18893344.4	
3595864	Molecular Imprints, Inc.	15/03/2018	3595864	18766926.2	
3597012	Zumtobel Lighting GmbH	15/03/2018	3597012	18711917.7	German
3597027	Deere & Company	05/07/2019	3597027	19184703.7	German
3597432	Konica Minolta, Inc.	19/01/2018	3597432	18766761.3	
3597900	NAVIKOM Andrzej Koschel	22/10/2018	3597900	18201874.7	
3598039	Mitsubishi Electric Corporation	15/03/2017	3598039	17900920.4	

3598329	Panasonic Intellectual Property Corporation of America	13/02/2018	3598329	18768478.2	
3598399	Glory Ltd.	08/03/2018	3598399	18766774.6	
3599382	JOAB FÖRSÄLJNING AB	11/07/2019	3599382	19185729.1	
3599816	CNH Industrial Belgium NV	22/03/2018	3599816	18716789.5	
3599980	Covidien LP	20/03/2017	3599980	17901913.8	
3600266	Centre Hospitalier Universitaire d'Amiens INSERM (Institut National de la Santé et de la Recherche Médicale) Universite de Rouen Normandie Université de Picardie Jules Verne Centre Hospitalier Universitaire de Rouen	29/03/2018	3600266	18713688.2	
3600503	Stamford Devices Ltd	23/03/2018	3600503	18714745.9	
3601045	ITT Manufacturing Enterprises LLC	20/03/2018	3601045	18716748.1	
3601241	Syngenta Participations AG	22/03/2018	3601241	18712894.7	
3602037	Fondazione Istituto Italiano di Tecnologia	19/03/2018	3602037	18717125.1	
3602163	Carl Zeiss Microscopy GmbH	02/03/2018	3602163	18712089.4	German
3602187	Verily Life Sciences LLC	21/03/2018	3602187	18717174.9	
3603225	Interdigital Patent Holdings, Inc.	16/03/2018	3603225	18716420.7	
3603379	Deere & Company	30/07/2019	3603379	19189143.1	German
3603959	Mitsui Chemicals, Inc.	22/03/2018	3603959	18774310.9	
3604862	Hitachi Astemo, Ltd.	15/03/2018	3604862	18770212.1	
3605657	LG Energy Solution, Ltd.	10/10/2018	3605657	18865562.5	
3606179	Nippon Telegraph And Telephone Corporation	28/03/2018	3606179	18777993.9	
3608008	Tianjin Tianchuang Best Pure Environmental Science and Technology Co., Ltd.	16/01/2019	3608008	19152194.7	
3608458	Tsudakoma Kogyo Kabushiki Kaisha	25/07/2019	3608458	19188246.3	
3608671	SYSMEX CORPORATION	09/08/2019	3608671	19190906.8	
3608724	Toshiba Tec Kabushiki Kaisha	06/08/2019	3608724	19190214.7	
3610506	SanDisk Technologies LLC	28/02/2018	3610506	18710693.5	
3610521	Imprint Energy, Inc.	10/04/2018	3610521	18784191.1	
3610811	Minerva Surgical, Inc.	24/04/2014	3610811	19200831.6	



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3612071	Techtronic Floor Care Technology Limited	17/04/2018	3612071	18721096.8	
3612074	Techtronic Floor Care Technology Limited	17/04/2018	3612074	18721099.2	
3612076	Techtronic Floor Care Technology Limited	17/04/2018	3612076	18721101.6	
3612437	Caterpillar Inc.	19/03/2018	3612437	18716060.1	
3613072	Siltronic AG	17/04/2018	3613072	18719803.1	German
3613616	Thule Sweden AB	23/05/2019	3613616	19176242.6	
3613673	ROSEMOUNT AEROSPACE INC.	07/08/2019	3613673	19190596.7	
3615042	Nutreco IP Assets B.V.	24/04/2018	3615042	18722244.3	
3615638	Arkema France	18/04/2018	3615638	18722690.7	French
3615647	Thonhauser GmbH	27/04/2018	3615647	18723669.0	German
3615821	The Timken Company	20/04/2018	3615821	18723204.6	
3616451	Qualcomm Incorporated	25/04/2018	3616451	18724412.4	
3617139	Chun Bo., Ltd	25/06/2018	3617139	18889957.9	
3617358	KARL MAYER STOLL R&D GmbH	27/11/2019	3617358	19211907.1	German
3617685	MAHA Maschinenbau Haldenwang GmbH & Co. KG	11/04/2019	3617685	19168774.8	German
3617867	Huawei Technologies Co. Ltd.	03/02/2018	3617867	18823199.7	
3619496	Rheinmetall Waffe Munition GmbH	23/04/2018	3619496	18719841.1	German
3619909	Liveperson, Inc. Ron, Ofer Vanounou, Eran Konky, Gali Amir, Seetvun	04/05/2018	3619909	18729825.2	
3620128	Intuitive Surgical Operations, Inc.	31/05/2013	3620128	19204702.5	
3620284	Gerresheimer Regensburg GmbH	29/08/2019	3620284	19194409.9	German
3620774	Guangzhou Xaircraft Technology Co., Ltd.	15/08/2018	3620774	18846361.6	
3621396	LG Electronics Inc.	23/04/2019	3621396	19793472.2	
3621433	University Of Massachusetts The Jackson Laboratory	14/05/2018	3621433	18730891.1	
3621609	GlaxoSmithKline Intellectual Property Development Limited	04/05/2018	3621609	18721053.9	
3622046	Unilever Global IP Limited	03/04/2018	3622046	18715655.9	
3623001	Baylis Medical Company Inc.	20/11/2013	3623001	19204215.8	

3623006	BIOTRONIK SE & Co. KG	12/09/2018	3623006	18194057.8	German
3623917	Samsung Display Co., Ltd.	09/09/2019	3623917	19196260.4	
3624404	Huawei Technologies Co., Ltd.	30/06/2017	3624404	17916427.2	
3626475	Bundesdruckerei GmbH	03/09/2019	3626475	19195100.3	German
3627397	Shanghai Cambricon Information Technology Co., Ltd	13/07/2018	3627397	18868807.1	
3627536	Nippon Techno-Carbon Co., Ltd.	05/10/2018	3627536	18868072.2	
3627650	Huawei Technologies Co., Ltd.	07/06/2018	3627650	18813483.7	
3628555	PACCAR INC	04/09/2019	3628555	19195299.3	
3629535	Huawei Technologies Co., Ltd.	07/02/2018	3629535	18822924.9	
3630106	Aarhus Universitet	31/05/2018	3630106	18729623.1	
3630351	DDP Specialty Electronic Materials US, LLC	31/05/2017	3630351	17911667.8	
3630728	Oxford University Innovation Limited	25/05/2018	3630728	18730040.5	
3630743	FMC Corporation	30/05/2018	3630743	18735738.9	
3630754	C4 Therapeutics, Inc. F. Hoffmann-La Roche AG	01/06/2018	3630754	18728875.8	
3631441	Drägerwerk AG & Co. KGaA	23/05/2018	3631441	18726795.0	German
3631592	Linde GmbH	04/05/2018	3631592	18722398.7	German
3631888	Bayerische Motoren Werke Aktiengesellschaft	24/05/2018	3631888	18730252.6	German
3633531	BlackBerry Limited	27/09/2019	3633531	19200283.0	
3633639	Eaton Intelligent Power Limited	02/10/2019	3633639	19201071.8	
3634066	QUALCOMM Incorporated	23/08/2012	3634066	19212212.5	
3634332	3M Innovative Properties Company	05/06/2018	3634332	18733491.7	
3634333	3M Innovative Properties Company	05/06/2018	3634333	18733492.5	
3634336	3M Innovative Properties Company	05/06/2018	3634336	18734369.4	
3634338	KCI USA, Inc. Systagenix Wound Management, Limited	04/06/2018	3634338	18734690.3	
3634339	3M Innovative Properties Company	05/06/2018	3634339	18735036.8	
3634518	3M Innovative Properties Company	05/06/2018	3634518	18733498.2	
3634739	HIB Trim Part Solutions GmbH	07/01/2019	3634739	19700214.0	German
3635327	Kaman Precision Products, Inc.	08/06/2018	3635327	18844191.9	
3635699	Carrier Corporation	04/06/2018	3635699	18733134.3	
3635903	Qualcomm Incorporated	15/05/2018	3635903	18728500.2	
3637264	Accenture Global Solutions Limited	02/09/2019	3637264	19195003.9	

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3637522	Showa Denko Materials Co., Ltd.	31/05/2018	3637522	18809223.3	
3637971	Fuji Corporation	07/06/2017	3637971	17912925.9	
3638172	3M Innovative Properties Company	12/06/2018	3638172	18735164.8	
3638580	Safe Inflator AS	14/06/2018	3638580	18818716.5	
3638990	Micro Motion, Inc.	14/06/2017	3638990	17733276.4	
3639761	W.L. Gore & Associates, Inc.	01/05/2015	3639761	19209565.1	
3639957	BIESSE S.p.A.	16/10/2019	3639957	19203685.3	
3640026	ZF Automotive Germany GmbH	15/06/2018	3640026	18816593.0	
3640341	Zymo Research Corporation	24/02/2016	3640341	19190243.6	
3640569	Whirlpool Corporation	17/07/2019	3640569	19186873.6	
3640849	Samsung Electronics Co., Ltd.	18/04/2014	3640849	19214804.7	
3641066	Gree Green Refrigeration Technology Center Co. Ltd. of Zhuhai	29/10/2018	3641066	18874170.6	
3641208	Huawei Technologies Co., Ltd.	18/01/2013	3641208	19182565.2	
3641247	Juniper Networks, Inc.	18/06/2019	3641247	19180767.6	
3641287	Science Arts, Inc.	06/06/2018	3641287	18817755.4	
3641456	Huawei Technologies Co., Ltd.	28/06/2018	3641456	18824269.7	
3642428	PERI SE	30/05/2018	3642428	18728359.3	German
3642538	Safran	20/06/2018	3642538	18755859.8	French
3643052	Nicira, Inc.	27/06/2018	3643052	18743650.6	
3643212	ELECTROLUX APPLIANCES AKTIEBOLAG	22/10/2018	3643212	18201817.6	
3643998	Whirlpool Corporation	04/09/2019	3643998	19195426.2	
3644072	Rohde & Schwarz GmbH & Co. KG	26/10/2018	3644072	18202760.7	
3644326	NKT HV Cables AB	26/10/2018	3644326	18202837.3	
3644650	Sony Group Corporation	14/06/2018	3644650	18820443.2	
3645072	Fresenius Medical Care Deutschland GmbH	27/06/2018	3645072	18734228.2	
3645996	Perkins Engines Company Limited	28/06/2018	3645996	18740505.5	
3646249	Lenlok Holdings, LLC	28/06/2017	3646249	17916245.8	
3647271	LG Chem, Ltd.	28/06/2018	3647271	18823232.6	
3647395	LG Chem, Ltd.	05/09/2018	3647395	18881921.3	
3649432	InvenSense, Inc.	03/07/2018	3649432	18745779.1	
3649714	DKC POWER SOLUTIONS S.R.L.	21/06/2018	3649714	18742601.0	
3649902	Whirlpool Corporation	06/11/2019	3649902	19207563.8	
3650059	Becton Dickinson and Company Limited	27/11/2013	3650059	19207718.8	

3651022	GE Aviation Systems Limited	07/11/2019	3651022	19207846.7	
3652331	Pocared Diagnostics Ltd.	13/07/2018	3652331	18832331.5	
3652593	Tata Steel Nederland Technology B.V.	11/07/2018	3652593	18738330.2	
3653779	Whirlpool Corporation	04/11/2019	3653779	19207010.0	
3654225	AutoForm Engineering GmbH	12/11/2019	3654225	19208438.2	
3654677	Rovi Guides, Inc.	05/03/2014	3654677	19220287.7	
3655308	Unique Product & Design Co., Ltd.	05/10/2017	3655308	17780393.9	
3655356	NORDEN MACHINERY AB	12/07/2018	3655356	18836025.9	
3655480	Dow Global Technologies LLC	02/07/2018	3655480	18738185.0	
3656033	Siemens Energy Global GmbH & Co. KG	30/08/2017	3656033	17777170.6	German
3656058	Huawei Technologies Co., Ltd.	23/08/2017	3656058	17761832.9	
3657137	Krohne Messtechnik GmbH	06/11/2019	3657137	19207332.8	German
3657259	Ricoh Company, Ltd.	23/10/2019	3657259	19204736.3	
3657321	Palantir Technologies Inc.	25/11/2019	3657321	19211324.9	
3657505	Rovi Guides, Inc.	27/09/2010	3657505	19220286.9	
3657781	Huawei Technologies Co., Ltd.	08/08/2018	3657781	18846441.6	
3657848	Alcatel Lucent	31/01/2014	3657848	20150304.2	
3659748	Vincent S.r.l.	28/11/2018	3659748	18208886.4	German
3660010	Biogen MA Inc.	03/02/2012	3660010	19203412.2	
3660379	Tubigomma Deregibus S.r.l. FLUOR TUBING B.V.	20/11/2019	3660379	19210266.3	
3660409	Mitsubishi Electric Corporation	28/07/2017	3660409	17919027.7	
3660452	Huawei Technologies Co. Ltd.	01/03/2018	3660452	18841158.1	
3660898	LG Display Co., Ltd.	08/10/2019	3660898	19201917.2	
3661068	Samsung Electronics Co., Ltd.	30/04/2014	3661068	19219528.7	
3661112	Texas Instruments Incorporated	30/04/2008	3661112	19204735.5	
3661252	Beijing Xiaomi Mobile Software Co., Ltd.	10/08/2017	3661252	17920696.6	
3663354	LG CHEM, LTD.	14/05/2019	3663354	19802659.3	
3663649	Raytheon Technologies Corporation	06/12/2019	3663649	19214131.5	
3664407	Citrix Systems, Inc.	25/11/2019	3664407	19211259.7	
3664429	CANON KABUSHIKI KAISHA	04/12/2019	3664429	19213476.5	
3664504	Sony Group Corporation	08/06/2018	3664504	18841949.3	
3664562	LG Electronics Inc.	02/08/2018	3664562	18840412.3	
3664579	BSH Hausgeräte GmbH	13/11/2019	3664579	19208891.2	German
3664707	eesy-innovation GmbH	06/08/2018	3664707	18755739.2	German

3665077	Université Claude Bernard Lyon 1 Ecole Normale Supérieure de Lyon Centre National de la Recherche Scientifique	02/08/2018	3665077	18758822.3	French
3666414	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	12/12/2019	3666414	19215857.4	German
3666954	LG Electronics Inc.	06/12/2019	3666954	19214151.3	
3666973	Lyon Parc Auto - LPA - Societe pour la Realisation et la Gestion d'Equipements	06/12/2019	3666973	19214272.7	French
3666974	Lyon Parc Auto - LPA - Societe pour la Realisation et la Gestion d'Equipements	06/12/2019	3666974	19214273.5	French
3667321	Genzyme Corporation	11/02/2015	3667321	20154994.6	
3667371	Palo Alto Research Center Incorporated	04/12/2019	3667371	19213704.0	
3667498	SAP SE	25/10/2019	3667498	19205331.2	
3667966	Huawei Technologies Co., Ltd.	31/10/2018	3667966	18871938.9	
3669200	Metrasens Limited	14/08/2018	3669200	18758711.8	
3669234	Samsung Electronics Co., Ltd.	19/09/2018	3669234	18857734.0	
3669981	Euroimmun Medizinische Labordiagnostika AG	21/12/2018	3669981	18215204.1	German
3670067	ETEL S.A.	20/12/2018	3670067	18214545.8	German
3670151	CL Schutzrechtsverwaltungs GmbH	31/03/2016	3670151	20156686.6	German
3670331	Daher Aerospace	20/12/2019	3670331	19219171.6	French
3671332	Samsung Electronics Co., Ltd.	30/08/2018	3671332	18868018.5	
3671408	Goertek Technology Co., Ltd.	24/08/2017	3671408	17906783.0	
3672077	Socionext Inc.	19/12/2018	3672077	18214275.2	
3672105	Thales	17/12/2019	3672105	19217093.4	French
3673370	Huawei Cloud Computing Technologies Co., Ltd.	19/09/2018	3673370	18857542.7	
3673490	Thales Dis France SAS	31/07/2018	3673490	18743840.3	
3673613	Huawei Technologies Co., Ltd.	24/10/2017	3673613	17925310.9	
3674006	Albéa Services	10/12/2019	3674006	19215008.4	French
3674062	Palo Alto Research Center Incorporated Xerox Corporation	27/12/2019	3674062	19219894.3	
3674273	LOTTE Fine Chemical Co., Ltd.	23/03/2018	3674273	18848641.9	
3675074	Kidde Technologies, Inc.	05/06/2018	3675074	20154106.7	
3675176	LG Display Co., Ltd.	10/12/2019	3675176	19214738.7	
3675436	Huawei Technologies Co., Ltd.	04/03/2019	3675436	19763497.5	

3675618	Fuji Corporation	25/08/2017	3675618	17922756.6	
3676988	Nchain Holdings Limited	29/08/2018	3676988	18778557.1	
3677573	Hokko Chemical Industry Co., Ltd.	31/08/2018	3677573	18851252.9	
3678019	Huawei Technologies Co., Ltd.	28/08/2018	3678019	18859214.1	
3678306	Huawei Technologies Co., Ltd.	08/06/2018	3678306	18880754.9	
3678764	Waters Technologies Corporation	05/09/2018	3678764	18811085.2	
3678857	Luxexcel Holding B.V.	05/09/2018	3678857	18762313.7	
3678908	ZF CV Systems Europe BV	09/08/2018	3678908	18755759.0	German
3679971	Impel Pharmaceuticals Inc.	05/03/2012	3679971	20158982.7	
3680438	SCHÜCO International KG	09/01/2020	3680438	20150853.8	German
3680480	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	18/04/2019	3680480	19853748.2	
3680654	Soochow University Shanghai Green Valley Pharmaceutical Co., Ltd.	06/09/2018	3680654	18854050.4	
3681085	Comcast Cable Communications, LLC	09/01/2020	3681085	20150971.8	
3681653	Leifeld Metal Spinning GmbH	07/02/2019	3681653	19706246.6	German
3681784	thyssenkrupp Presta AG thyssenkrupp AG	15/09/2017	3681784	17767831.5	
3681789	Minda Corporation Limited	14/09/2018	3681789	18856717.6	
3681893	Freie Universität Berlin	13/09/2018	3681893	18778830.2	
3682432	Budde, Martin	07/08/2018	3682432	18769027.6	German
3683658	Tobii AB	17/12/2019	3683658	19217008.2	
3683690	Elmos Semiconductor SE	19/12/2017	3683690	20161891.5	German
3683691	Elmos Semiconductor SE	19/12/2017	3683691	20161907.9	German
3683902	Schleifring GmbH	17/01/2019	3683902	19152302.6	
3683953	BSH Hausgeräte GmbH	17/12/2019	3683953	19216912.6	German
3683991	Huawei Technologies Co., Ltd.	29/05/2018	3683991	18906410.8	
3684010	Huawei Technologies Co., Ltd.	28/09/2018	3684010	18860691.7	
3684100	HUAWEI TECHNOLOGIES CO., LTD.	06/06/2019	3684100	19861348.1	
3684150	Sumitomo Precision Products Co., Ltd.	12/09/2017	3684150	17925040.2	
3686024	Glory Ltd.	19/09/2018	3686024	18859678.7	
3686686	Canon Kabushiki Kaisha	21/09/2018	3686686	18859824.7	
3686870	Nippon Telegraph And Telephone Corporation	11/09/2018	3686870	18859584.7	
3687123	Huawei Technologies Co., Ltd.	29/01/2013	3687123	19199083.7	

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3688885	Teledyne FLIR Detection, Inc.	27/09/2018	3688885	18786912.8	
3688918	QUALCOMM Incorporated	21/09/2018	3688918	18792605.0	
3689051	Huawei Technologies Co., Ltd.	22/12/2017	3689051	17825860.4	
3689287	DENTSPLY SIRONA Inc. Sirona Dental Systems GmbH	30/01/2019	3689287	19000053.9	
3689506	General Electric Company	14/01/2020	3689506	20151734.9	
3689728	FLIT (Cambridge) Limited	22/01/2020	3689728	20153143.1	
3689737	Lee, Nak Young	14/11/2018	3689737	18877795.7	
3689982	Riso Kagaku Corporation	17/12/2019	3689982	19217067.8	
3690280	Harmonic Drive Systems Inc.	30/08/2018	3690280	18863424.0	
3690529	Samsung Display Co., Ltd.	11/06/2015	3690529	20165788.9	
3691238	KYOCERA Document Solutions Inc.	02/02/2020	3691238	20155045.6	
3691425	Quanta Computer Inc.	03/09/2019	3691425	19195048.4	
3691588	Essity Hygiene and Health Aktiebolag	06/10/2017	3691588	17780737.7	
3691620	Fulcrum Therapeutics, Inc.	05/10/2018	3691620	18792812.2	
3692587	Fuelcell Energy, Inc.	02/10/2018	3692587	18792519.3	
3693245	Cattron North America, Inc.	21/11/2019	3693245	19210597.1	
3693810	Lexmark International, Inc.	05/11/2019	3693810	19207086.0	
3694118	Huawei Technologies Co., Ltd.	15/10/2018	3694118	18870233.6	
3694415	Erdman, Frankie Wendell, Jr. Cunningham Bounds, LLC	03/05/2018	3694415	18729789.0	
3694666	JBS System GmbH	08/08/2018	3694666	18759249.8	German
3694839	Treeway TW001 B.V.	12/10/2018	3694839	18785625.7	
3695746	Stollberg, Arndt-Wilhelm	17/01/2020	3695746	20152375.0	German
3696308	Whirlpool Corporation	07/02/2020	3696308	20156128.9	
3696452	Cavagna Group S.p.A.	17/02/2020	3696452	20157621.2	
3696518	Ishida Co., Ltd.	29/01/2020	3696518	20154415.2	
3696768	Ordnance Survey Limited	12/02/2019	3696768	19156755.1	
3697085	Dolby Laboratories Licensing Corporation	02/10/2014	3697085	20160170.5	
3697152	Huawei Technologies Co., Ltd.	09/11/2018	3697152	18878149.6	
3697531	Stilla Technologies	19/10/2018	3697531	18788766.6	
3697780	CLAP CO., LTD.	11/10/2018	3697780	18783023.7	
3698280	Composecure, LLC	26/09/2018	3698280	18786568.8	
3698541	Signify Holding B.V.	18/10/2018	3698541	18785655.4	
3699203	LG Chem, Ltd.	22/12/2017	3699203	17931312.7	
3699389	Dallan S.p.A.	18/02/2020	3699389	20157817.6	

3699565	Datang NXP Semiconductors Co., Ltd.	27/12/2019	3699565	19219904.0	
3700132	Juniper Networks, Inc.	24/06/2019	3700132	19181900.2	
3701324	Barco N.V.	23/10/2018	3701324	18796860.7	
3701679	Huawei Technologies Co. Ltd.	06/11/2018	3701679	18808230.9	
3701816	Japan Tobacco Inc.	23/10/2017	3701816	17929641.3	
3702068	Matsuura Machinery Corporation	15/11/2019	3702068	19209329.2	
3702244	JTEKT CORPORATION TOYOTA JIDOSHA KABUSHIKI KAISHA	24/02/2020	3702244	20159043.7	
3703302	Telefonica, S.A.	01/03/2019	3703302	19382155.0	
3703445	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	15/11/2017	3703445	17932204.5	
3704674	Siemens Schweiz AG	30/10/2018	3704674	18800535.9	German
3704829	Visa International Service Corporation	31/10/2017	3704829	17930228.6	
3705215	IHI Corporation	30/10/2018	3705215	18873929.6	
3705367	Bayerische Motoren Werke Aktiengesellschaft	05/03/2019	3705367	19160830.6	
3706306	KONE Corporation	08/03/2019	3706306	19161497.3	
3706376	Huawei Technologies Co., Ltd.	17/11/2018	3706376	18881279.6	
3706464	Huawei Technologies Co., Ltd.	22/11/2018	3706464	18880602.0	
3707348	J-Lok Co.	09/11/2018	3707348	18877278.4	
3707566	Huawei International Pte. Ltd.	14/12/2017	3707566	17822054.7	
3708232	Shin-Etsu Chemical Co., Ltd.	03/10/2018	3708232	18875392.5	
3708238	Marelli Europe S.p.A.	11/03/2020	3708238	20162309.7	
3708491	Goodrich Corporation	09/12/2019	3708491	19214425.1	
3708668	CureVac AG	11/12/2015	3708668	20157801.0	
3708799	Deere & Company	13/03/2020	3708799	20163174.4	
3708843	Pfeiffer Vacuum Technology AG	27/07/2020	3708843	20187955.8	German
3709704	Dolby International AB	17/03/2009	3709704	20166946.2	
3710192	Gleason-Pfauter Maschinenfabrik GmbH	19/10/2018	3710192	18792916.1	German
3710670	Baker Hughes Energy Technology UK Limited	07/11/2018	3710670	18806984.3	
3711127	Siemens Energy Global GmbH & Co. KG	18/12/2018	3711127	18830230.1	German



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3711371	FG INNOVATION COMPANY LIMITED	14/11/2018	3711371	18877460.8	
3712063	Textron Innovations Inc.	22/09/2017	3712063	20169878.4	
3713366	Sharp Kabushiki Kaisha FG Innovation Company Limited	15/11/2018	3713366	18878908.5	
3713687	SMS Group GmbH	15/11/2018	3713687	18804566.0	German
3714285	Baidu.com Times Technology (Beijing) Co., Ltd. Baidu USA LLC	30/01/2019	3714285	19795077.7	
3714487	IRIS Industries SA	21/11/2017	3714487	17801047.6	
3714541	Linak A/S	20/11/2018	3714541	18819257.9	
3714617	Sigfox	20/11/2018	3714617	18800994.8	French
3715088	Sumitomo Heavy Industries, LTD.	26/03/2020	3715088	20165931.5	
3715251	B/E Aerospace, Inc.	13/12/2019	3715251	19216225.3	
3715408	NOK Corporation	16/10/2018	3715408	18881349.7	
3716067	Juniper Networks, Inc.	20/06/2019	3716067	19181484.7	
3716272	Quanta Computer Inc.	10/10/2019	3716272	19202552.6	
3716371	Panasonic Intellectual Property Management Co., Ltd.	26/12/2018	3716371	18895591.8	
3716570	Mitsubishi Electric Corporation	29/03/2019	3716570	19305427.7	
3716667	STMicroelectronics S.r.l.	11/03/2020	3716667	20162306.3	
3717472	F. Hoffmann-La Roche AG	26/11/2018	3717472	18814514.8	
3717971	Envisics Ltd.	12/06/2019	3717971	19732288.6	
3718044	Cretec GmbH	26/11/2018	3718044	18808337.2	German
3718347	QUALCOMM Incorporated	06/11/2018	3718347	18807512.1	
3719279	Safran Nacelles	25/03/2020	3719279	20165558.6	French
3719829	National Institute for Materials Science	09/11/2018	3719829	18883274.5	
3720018	Beijing Xiaomi Mobile Software Co., Ltd.	26/09/2019	3720018	19199969.7	
3720044	Advanced New Technologies Co., Ltd.	08/01/2019	3720044	19738679.0	
3721645	Robert Bosch GmbH	12/11/2018	3721645	18803921.8	German
3721665	Huawei Technologies Co., Ltd.	22/12/2017	3721665	17825238.3	
3722133	Flex-N-Gate France	08/04/2020	3722133	20168730.8	French
3722434	Freeline Therapeutics Limited	12/04/2019	3722434	19169121.1	
3722875	Panasonic Intellectual Property Management Co., Ltd.	27/02/2020	3722875	20159687.1	
3723206	Vibia Lighting S.L.	08/04/2019	3723206	19382260.8	

3723240	VOLKSWAGEN AG	23/03/2020	3723240	20164836.7	German
3724530	ZF CV Systems Europe BV	10/09/2018	3724530	18779206.4	German
3724733	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	12/12/2017	3724733	17822610.6	
3724921	Magic Leap, Inc.	13/12/2018	3724921	18888572.7	
3725538	Société BIC	16/04/2019	3725538	19305494.7	
3725652	EDAG Engineering GmbH	18/04/2019	3725652	19170150.7	German
3725938	Samsung Electronics Co., Ltd.	15/04/2020	3725938	20169617.6	
3726192	Uniflex-Hydraulik GmbH	25/03/2020	3726192	20165646.9	German
3726364	HUAWEI TECHNOLOGIES CO., LTD.	28/12/2017	3726364	17936484.9	
3726601	NIPPON STEEL CORPORATION	06/02/2019	3726601	19754422.4	
3726657	TE Connectivity Corporation	06/04/2020	3726657	20168183.0	
3726883	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	21/12/2017	3726883	17935709.0	
3727078	L'OREAL	12/12/2018	3727078	18814657.5	
3727211	Otto Bock Healthcare Products GmbH	18/12/2018	3727211	18826305.7	German
3727914	AGCO International GmbH	23/11/2018	3727914	18811762.6	
3728149	Coorstek Membrane Sciences AS	19/12/2018	3728149	18822063.6	
3728423	3M Innovative Properties Company	14/12/2018	3728423	18847246.8	
3728777	SAINT-GOBAIN GLASS FRANCE	21/12/2018	3728777	18822385.3	French
3729238	Microsoft Technology Licensing, LLC	21/12/2018	3729238	18836441.8	
3729565	Latelec	20/12/2018	3729565	18833867.7	French
3729684	Ciena Corporation	18/12/2018	3729684	18842648.0	
3730075	DePuy Ireland Unlimited Company	18/05/2017	3730075	20178555.7	
3730540	DAIKIN INDUSTRIES, LTD.	05/02/2019	3730540	19750706.4	
3730628	NEW ENGLAND BIOLABS, INC.	24/04/2020	3730628	20171272.6	
3730791	Nitto Kohki Co., Ltd.	10/12/2018	3730791	18892533.3	
3731278	INTEL Corporation	17/03/2020	3731278	20163764.2	
3731494	Huawei Cloud Computing Technologies Co., Ltd.	03/04/2019	3731494	19825082.1	
3731786	Otto Bock Healthcare Products GmbH	19/12/2018	3731786	18827048.2	German
3732009	Greentech Laser Manufacturing S.p.A.	24/12/2018	3732009	18834000.4	
3733523	Rohr, Inc.	16/12/2019	3733523	19216738.5	

3734199	Chongqing Haier Air Conditioner Co., Ltd Qingdao Haier Air Conditioner General Corp., Ltd.	15/11/2018	3734199	18894319.5	
3734931	Amazon Technologies, Inc.	28/12/2016	3734931	20175295.3	
3735900	Bodytone International Sport, S.L.	07/05/2019	3735900	19382344.0	
3735928	Covidien LP	25/08/2015	3735928	20175891.9	
3736339	Oxford Nanopore Technologies plc	18/02/2013	3736339	20168745.6	
3736657	STMicroelectronics Application GmbH	24/04/2020	3736657	20171289.0	
3736690	Ningbo Geely Automobile Research & Development Co. Ltd.	07/05/2019	3736690	19173189.2	
3736706	Bentley Systems, Incorporated	06/05/2019	3736706	19305577.9	
3737045	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	19/05/2016	3737045	20182226.9	
3737310	Boston Scientific Scimed, Inc.	10/01/2019	3737310	19703221.2	
3738399	QUALCOMM Incorporated	10/01/2019	3738399	19702516.6	
3739334	MITSUBISHI GAS CHEMICAL COMPANY, INC.	19/12/2018	3739334	18899616.9	
3739843	ORANGE	16/06/2017	3739843	20185234.0	French
3741033	voestalpine Automotive Components Dettingen GmbH & Co. KG	18/01/2019	3741033	19702535.6	German
3741034	ABB Schweiz AG	16/01/2018	3741034	18706643.6	
3741536	The Boeing Company	15/04/2020	3741536	20169550.9	
3742341	NXP B.V.	20/05/2019	3742341	19175411.8	
3743399	Saudi Arabian Oil Company	23/01/2019	3743399	19703929.0	
3744501	Variotech GmbH	26/05/2020	3744501	20176469.3	German
3745267	Chicago Mercantile Exchange Inc.	06/12/2018	3745267	20180691.6	
3745737	Televic Conference NV	26/05/2020	3745737	20176643.3	
3746676	Bayerische Motoren Werke Aktiengesellschaft	28/01/2019	3746676	19702253.6	German
3747155	Motorola Solutions, Inc.	19/02/2019	3747155	19710188.4	
3747527	Pall Corporation	20/04/2020	3747527	20170417.8	
3747618	Omron Corporation	20/12/2018	3747618	18903344.2	
3747650	Smart Planet Technologies, Inc.	14/03/2014	3747650	20188142.2	
3747743	Illinois Tool Works Inc.	14/04/2020	3747743	20382292.9	
3747823	Otis Elevator Company	03/06/2019	3747823	19177868.7	

3748140	TOYOTA JIDOSHA KABUSHIKI KAISHA	01/05/2020	3748140	20172582.7	
3748265	Haier Smart Home Co., Ltd.	02/02/2019	3748265	19750616.5	
3748318	Mitsubishi Electric Corporation	06/06/2019	3748318	19305731.2	
3748779	YAZAKI CORPORATION	04/06/2020	3748779	20178253.9	
3748935	THALES	04/06/2020	3748935	20178356.0	French
3749545	Siemens Mobility GmbH	11/03/2019	3749545	19714110.4	German
3749672	Ontario Institute for Cancer Research (OICR)	06/02/2019	3749672	19751282.5	
3750234	Siemens Gamesa Renewable Energy A/S	14/02/2019	3750234	19707298.6	
3750466	Bissell Inc.	09/06/2020	3750466	20179116.7	
3750728	Ningbo Geely Automobile Research & Development Co., Ltd.	11/06/2019	3750728	19179415.5	
3751102	Safran Aero Boosters SA	30/04/2020	3751102	20172480.4	French
3751153	Hydac Fluidtechnik GmbH	31/08/2017	3751153	20182901.7	German
3751381	Grundfos Holding A/S	13/06/2019	3751381	19180068.9	
3751848	Microsoft Technology Licensing, LLC	14/01/2003	3751848	20188134.9	
3751876	Huawei Technologies Co., Ltd.	06/02/2020	3751876	20756610.0	
3753672	Tsudakoma Kogyo Kabushiki Kaisha	27/05/2020	3753672	20176916.3	
3754024	CJ Cheiljedang Corporation	22/02/2019	3754024	19757526.9	
3754131	Alutec Oy	17/06/2020	3754131	20180504.1	
3754343	STMicroelectronics S.r.l.	19/06/2020	3754343	20181222.9	
3754540	SHENZHEN GOODIX TECHNOLOGY CO., LTD.	25/04/2019	3754540	19813221.9	
3754592	Samsung Electronics Co., Ltd.	26/12/2018	3754592	20190447.1	
3754780	Carrier Corporation	17/06/2019	3754780	19180702.3	
3755524	Raylase GmbH	11/10/2019	3755524	19784063.0	
3755753	BASF SE	15/02/2019	3755753	19704027.2	German
3755962	ElringKlinger Kunststofftechnik GmbH ElringKlinger AG	19/02/2019	3755962	19706570.9	German
3756200	General Engineering & Research, L.L.C. The Regents of the University of California	20/02/2019	3756200	19757315.7	

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3756290	Innovationszentrum für Telekommunikationstechnik GmbH IZT	21/02/2019	3756290	19709635.7	German
3758274	INTEL Corporation	23/03/2020	3758274	20164851.6	
3758289	INTEL Corporation	23/03/2020	3758289	20164848.2	
3758317	KunlunXin Technology (Beijing) Company Limited	10/12/2019	3758317	19214946.6	
3759292	PLASTICS OF SOUTHEAST EUROPE - ONE MAN LIMITED LIABILITY COMPANY - distinctive title SEU PLASTICS - ONE MAN L.L.C.	07/09/2018	3759292	18783556.6	
3760069	WIN Human Recorder Co., Ltd. Kuraray Co., Ltd.	01/03/2019	3760069	19763166.6	
3760168	Wagner, Michael Kobolla, Harald	16/06/2020	3760168	20020279.4	German
3761175	HUAWEI TECHNOLOGIES CO., LTD.	16/03/2019	3761175	19786078.6	
3761216	Stanley Black & Decker MEA FZE	02/07/2019	3761216	19183756.6	
3761217	Stanley Black & Decker MEA FZE	02/07/2019	3761217	19183757.4	
3762203	Sapa S.P.A.	20/02/2019	3762203	19710156.1	
3762702	VESevo Smart Technologies s.r.l.	04/02/2019	3762702	19711411.9	
3763161	Nokia Technologies Oy	25/02/2019	3763161	19707762.1	
3763521	JNC Corporation JNC Fibers Corporation	26/02/2019	3763521	19763157.5	
3763769	Wenzhou University	09/11/2020	3763769	20206350.9	
3763932	Safran Transmission Systems	29/06/2020	3763932	20182880.3	French
3764004	DAIKIN INDUSTRIES, LTD.	28/03/2019	3764004	19777682.6	
3764076	Nihon Dempa Kogyo Co., Ltd.	06/03/2019	3764076	19763295.3	
3764524	Meidensha Corporation	26/02/2019	3764524	19764130.1	
3764602	ESERA GmbH	30/06/2020	3764602	20183098.1	German
3764622	T-Mobile USA, Inc.	19/06/2020	3764622	20181211.2	
3764704	HUAWEI TECHNOLOGIES CO., LTD.	22/03/2019	3764704	19782210.9	
3765555	Nike Innovate C.V.	12/03/2019	3765555	19713937.1	
3766069	Microsoft Technology Licensing, LLC	01/12/2018	3766069	18822564.3	
3768656	ExxonMobil Chemical Patents Inc.	01/03/2019	3768656	19712339.1	

3768870	Ecocoat GmbH	22/03/2019	3768870	19713745.8	German
3769209	ARM Limited	12/02/2019	3769209	19707062.6	
3769486	Telefonaktiebolaget LM Ericsson (publ)	20/03/2018	3769486	18910578.6	
3769708	TERUMO Kabushiki Kaisha	11/03/2019	3769708	19772141.8	
3769777	INSERM (Institut National de la Santé et de la Recherche Médicale) Centre Hospitalier Universitaire de Rouen Université de Rouen Targedys	05/06/2015	3769777	20191957.8	
3769897	AMADA CO., LTD.	18/03/2019	3769897	19770370.5	
3771113	KABUSHIKI KAISHA TOSHIBA	06/06/2014	3771113	20190141.0	
3771944	Guangdong Midea Consumer Electric Manufacturing Co., Ltd.	18/11/2019	3771944	19209778.0	
3772468	Zeli, Rino Oscar	19/06/2020	3772468	20181140.3	
3772548	Ama Composites S.r.l.	03/08/2020	3772548	20189254.4	
3772743	Cooper Xi'an Fusegear Co., Ltd.	10/08/2020	3772743	20190360.6	
3773765	Fundación Pública Andaluza Progreso Y Salud Servicio Andaluz de Salud	08/04/2019	3773765	19717461.8	
3773980	MANN+HUMMEL GmbH	29/03/2019	3773980	19714643.4	German
3774404	Col-Ven S.A.	28/03/2019	3774404	19724224.1	
3774661	Umicore Umicore Korea Ltd.	13/03/2019	3774661	19710682.6	
3774753	Archer Daniels Midland Company	28/03/2019	3774753	19784331.1	
3775695	H. De Gooijer Beheer B.V.	14/02/2019	3775695	19720155.1	
3776008	Google LLC	30/08/2018	3776008	18778632.2	
3776619	Hitachi Energy Switzerland AG	11/04/2018	3776619	18914671.5	
3776830	Aerojet Rocketdyne, Inc.	11/04/2018	3776830	18720942.4	
3776976	QUALCOMM Incorporated	13/03/2019	3776976	19714912.3	
3777320	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	21/01/2019	3777320	19703013.3	
3777367	THALES	11/04/2019	3777367	19716896.6	French
3779772	Tencent Technology (Shenzhen) Company Limited	18/03/2019	3779772	19776970.6	
3780772	BlackBerry Limited	16/08/2018	3780772	20199564.4	
3780894	NEC Corporation	05/03/2019	3780894	19775662.0	

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3781223	Lohmann & Rauscher GmbH	18/10/2018	3781223	18786352.7	
3782254	Enequi AB	17/04/2019	3782254	19719640.5	
3782331	Sagemcom Energy & Telecom SAS	09/05/2019	3782331	19721642.7	French
3782809	SCHOTT AG	20/08/2020	3782809	20191912.3	
3783310	InvenSense, Inc.	03/07/2018	3783310	20193687.9	
3783581	Lupus-Electronics GmbH	23/06/2020	3783581	20181739.2	German
3783837	HUAWEI TECHNOLOGIES CO., LTD.	20/06/2016	3783837	20182779.7	
3784504	Bridgestone Europe NV/SA	17/04/2019	3784504	19724933.7	
3785055	Corning Research & Development Corporation	23/04/2019	3785055	19727141.4	
3785219	NIDEK CO. LTD.	23/04/2019	3785219	19726754.5	
3785980	Bell Textron Inc.	28/08/2020	3785980	20193331.4	
3786013	Haldex Brake Products Aktiebolag	27/08/2019	3786013	19193898.4	German
3786727	CompliTime SA	29/08/2019	3786727	19194233.3	French
3787227	HUAWEI TECHNOLOGIES CO., LTD.	09/02/2015	3787227	20176762.1	
3788322	Safesign IVS	29/04/2019	3788322	19724340.5	
3788795	Ricci, Andrea	03/05/2019	3788795	19726161.3	
3789055	Fresenius Medical Care Deutschland GmbH Friedrich-Schiller-Universität Jena	15/06/2016	3789055	20201491.6	German
3789197	Fashiontekk AB	03/09/2020	3789197	20194325.5	
3789999	Roland Corporation	27/08/2020	3789999	20193046.8	
3790775	CNH Industrial Italia S.P.A.	09/05/2019	3790775	19724159.9	
3791238	Sandvik Mining and Construction Oy	09/05/2018	3791238	18724210.2	
3791659	QUALCOMM Incorporated	10/05/2019	3791659	19725637.3	
3791947	Dutch Drying Systems B.V.	10/09/2020	3791947	20195552.3	
3792244	Daicel Corporation	29/05/2018	3792244	18855162.6	
3793422	Fimap S.P.A.	06/05/2019	3793422	19720901.8	
3793471	Selenium Medical	20/05/2019	3793471	19733850.2	French
3793943	Metso Outotec Finland Oy	05/04/2019	3793943	19717505.2	
3793959	Guardian Glass, LLC	16/07/2019	3793959	19772854.6	
3793970	Johnson Matthey Davy Technologies Limited	16/04/2019	3793970	19718842.8	
3794311	Carl Zeiss Industrielle Messtechnik GmbH	17/05/2018	3794311	18727736.3	German

3794851	Valeo Comfort and Driving Assistance	06/05/2019	3794851	19722857.0	
3796559	Mitsubishi Electric Corporation	29/06/2018	3796559	18925031.9	
3796876	Boston Scientific Scimed, Inc.	22/05/2019	3796876	19732495.7	
3797653	SEB S.A.	29/09/2020	3797653	20199036.3	French
3797898	AB Sandvik Materials Technology	26/09/2019	3797898	19199984.6	
3798032	Lecapitaine Industrie	19/09/2018	3798032	20208419.0	French
3798351	Whirlpool Corporation	24/09/2020	3798351	20198253.5	
3798477	FERRARI S.p.A.	30/09/2020	3798477	20199321.9	
3799373	Juniper Networks, Inc.	19/12/2019	3799373	19217821.8	
3799475	Juniper Networks, Inc.	29/06/2020	3799475	20182956.1	
3799998	Adige S.p.A.	23/09/2020	3799998	20197853.3	
3800037	Airbus Helicopters	14/09/2020	3800037	20196049.9	French
3800165	C-Green Technology AB	28/06/2016	3800165	20209051.0	
3800291	Valmet Technologies Oy	28/09/2020	3800291	20198700.5	
3801350	Universita' Degli Studi di Siena	11/06/2019	3801350	19748592.3	
3801650	EUROTAB OPERATIONS	24/05/2019	3801650	19725383.4	French
3802384	B&R Industrial Automation GmbH	27/05/2019	3802384	19725750.4	German
3802706	Akzo Nobel Coatings International B.V.	04/06/2019	3802706	19730707.7	
3802905	Mahle International GmbH	28/05/2019	3802905	19729197.4	
3802934	NIKE Innovate C.V.	27/03/2019	3802934	19719673.6	
3803331	Universität für Bodenkultur Wien	07/05/2019	3803331	19721298.8	
3803392	Novagray	07/06/2019	3803392	19728458.1	
3803788	Medicim NV	28/05/2019	3803788	19725848.6	
3803832	QUALCOMM INCORPORATED	30/05/2019	3803832	19731091.5	
3803916	Siemens Healthcare Limited	09/04/2019	3803916	19720406.8	
3804098	Kardion GmbH	30/05/2019	3804098	19728394.8	German
3804518	Univerza v Ljubljani, Fakulteta za strojninstvo Kmetijski Institut Slovenije	11/10/2019	3804518	19202689.6	
3805416	BYD Company Limited	29/05/2019	3805416	19812256.6	
3805937	Samsung Electronics Co., Ltd.	30/09/2020	3805937	20199381.3	
3807079	ConsultEngineerIP AG	11/06/2019	3807079	19730318.3	German
3807274	Lead Discovery Center GmbH	23/08/2019	3807274	19769018.3	
3807371	3M Innovative Properties Company	12/06/2019	3807371	19755963.6	
3807452	TODESCAN, Alberto	14/06/2019	3807452	19739411.7	
3807488	Smart Level Company	13/06/2019	3807488	19731246.5	
3807499	Nuovo Pignone Tecnologie - S.R.L.	14/06/2019	3807499	19732542.6	



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3807500	SAFRAN AIRCRAFT ENGINES	06/06/2019	3807500	19735372.5	French
3807546	PSA Automobiles SA NOVARES France	03/06/2019	3807546	19746112.2	French
3807908	Dow Global Technologies LLC	20/05/2019	3807908	19733221.6	
3808143	Apple Inc.	29/08/2019	3808143	19770220.2	
3809164	Commissariat à l'Energie Atomique et aux Energies Alternatives	13/10/2020	3809164	20201649.9	French
3809210	SEB S.A.	13/10/2020	3809210	20201494.0	French
3809227	Panasonic Intellectual Property Management Co., Ltd.	30/05/2017	3809227	20212082.0	
3809509	Contemporary Amperex Technology Co., Limited	11/05/2015	3809509	20185972.5	
3809558	Kyocera Corporation	21/05/2020	3809558	20829526.1	
3809829	Algae Innovations Netherlands B.V. Universiteit van Amsterdam	21/06/2019	3809829	19732033.6	
3810054	The Procter & Gamble Company	10/06/2019	3810054	19733372.7	
3810260	Medtronic, Inc.	21/06/2019	3810260	19737398.8	
3810385	T.EN Zimmer GmbH	05/10/2018	3810385	18782998.1	
3810911	SAFRAN AIRCRAFT ENGINES	13/06/2019	3810911	19737860.7	French
3811155	Esko-Graphics Imaging GmbH	28/08/2020	3811155	20764634.0	
3811231	Microsoft Technology Licensing, LLC	10/06/2019	3811231	19735439.2	
3811273	Safran Electronics & Defense	19/06/2019	3811273	19730831.5	French
3811515	Dolby Laboratories Licensing Corporation	20/06/2019	3811515	19735474.9	
3811586	PSA Automobiles SA	05/06/2019	3811586	19737846.6	French
3811670	Google LLC	09/10/2019	3811670	19791441.9	
3812048	COPPS GmbH	03/09/2020	3812048	20194333.9	German
3812219	Renault s.a.s	17/09/2020	3812219	20196588.6	French
3812339	Toyota Material Handling Manufacturing Sweden AB	21/10/2019	3812339	19204385.9	
3812439	LG CHEM, LTD.	29/07/2019	3812439	19841100.1	
3812902	THOMSON LICENSING	25/10/2019	3812902	19205506.9	
3813332	ORANGE	15/02/2007	3813332	20213715.4	French
3813593	Paul Hettich GmbH & Co. KG	07/06/2019	3813593	19729537.1	German
3814078	SICA S.P.A.	18/06/2019	3814078	19758805.6	
3814204	Caterpillar Inc.	14/06/2019	3814204	19734218.1	
3814342	Cytokinetics, Inc.	25/06/2019	3814342	19737444.0	

3814434	DOW GLOBAL TECHNOLOGIES LLC Rohm and Haas Company	25/06/2019	3814434	19745364.0	
3815316	ORANGE	13/06/2019	3815316	19739333.3	French
3815490	Precision Planting LLC	14/03/2014	3815490	20212646.2	
3815611	Varex Imaging Corporation	15/06/2018	3815611	20215127.0	
3815982	DENSO CORPORATION	16/05/2019	3815982	19824604.3	
3816228	S.P.C.M. SA	26/10/2020	3816228	20203900.4	French
3817125	Vivo Mobile Communication Co., Ltd.	24/07/2019	3817125	19842050.7	
3817424	Xerox Corporation	19/10/2020	3817424	20202660.5	
3817759	Antev Limited	02/07/2019	3817759	19740498.1	
3817888	Caterpillar Energy Solutions GmbH	21/06/2019	3817888	19736587.7	
3818047	Bayer Animal Health GmbH	27/06/2019	3818047	19733494.9	
3818117	Akzo Nobel Coatings International B.V.	27/06/2019	3818117	19732683.8	
3818222	Kiekert AG	19/06/2019	3818222	19734678.6	German
3818237	Guardian Glass, LLC	05/07/2019	3818237	19769559.6	
3818917	Whirlpool Corporation	05/11/2020	3818917	20206067.9	
3819074	Airbus Operations SAS	16/10/2020	3819074	20202164.8	French
3819106	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	09/09/2020	3819106	20195195.1	German
3819467	Raytheon Technologies Corporation	05/11/2020	3819467	20205966.3	
3819546	BJB GmbH & Co. KG	20/08/2020	3819546	20191954.5	German
3819799	WithSecure Corporation	05/11/2020	3819799	20205869.9	
3820712	SICPA HOLDING SA	03/06/2019	3820712	19727044.0	
3821630	Oracle International Corporation	21/02/2019	3821630	19710842.6	
3822994	Schleifring GmbH	13/11/2020	3822994	20207516.4	
3823162	Imec VZW Vrije Universiteit Brussel	14/11/2019	3823162	19209056.1	
3823553	DYSON TECHNOLOGY LIMITED	17/05/2019	3823553	19726108.4	
3823971	Grünenthal GmbH	22/07/2019	3823971	19742596.0	
3824360	KEBA Industrial Automation Germany GmbH	24/06/2019	3824360	19734333.8	German
3824741	Mizkan Holdings Co., Ltd.	10/01/2020	3824741	20752427.3	
3824991	Nemaska Lithium Inc.	23/04/2013	3824991	20203899.8	
3825095	Röchling Engineering Plastics Ltd.	17/02/2017	3825095	20217519.6	
3825153	Sumitomo Rubber Industries, Ltd.	28/10/2020	3825153	20204372.5	
3825802	Vorwerk & Co. Interholding GmbH	11/11/2020	3825802	20206835.9	German

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3825810	Samsung Electronics Co., Ltd.	26/06/2020	3825810	20182546.0	
3827167	Siemens Gamesa Renewable Energy A/S	06/09/2019	3827167	19778807.8	
3827563	INOVA Semiconductors GmbH	16/06/2019	3827563	19734249.6	German
3827759	Ethicon LLC	21/12/2017	3827759	21151923.6	
3827780	Medtech SA	26/11/2020	3827780	20210137.4	
3828466	Société Industrielle de Chauffage (SIC)	26/11/2020	3828466	20210054.1	French
3829101	SAGEMCOM BROADBAND SAS	25/11/2020	3829101	20209836.4	French
3829925	Evo GmbH	24/07/2019	3829925	19746065.2	German
3830814	Commissariat à l'Energie Atomique et aux Energies Alternatives	31/07/2019	3830814	19758624.1	French
3831677	TSE Brakes, Inc.	13/11/2020	3831677	20207338.3	
3831695	NSK Ltd.	17/07/2020	3831695	20839850.3	
3832078	C.R.F. Società Consortile per Azioni	02/12/2019	3832078	19212927.8	
3832170	Kubota Corporation	09/06/2020	3832170	20178854.4	
3833177	The Toro Company	07/08/2019	3833177	19755761.4	
3833235	DYSON TECHNOLOGY LIMITED	12/06/2019	3833235	19732094.8	
3833657	Advanced Biodesign	31/07/2020	3833657	20749897.3	
3833707	Freudenberg SE	05/08/2019	3833707	19750117.4	German
3835405	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	24/11/2020	3835405	20209604.6	French
3836207	Technische Universität Dresden IHP GmbH-Innovations for High Performance Microelectronics / Leibniz-Institut für innovative Mikroelektronik	12/12/2019	3836207	19215556.2	
3836413	HUAWEI TECHNOLOGIES CO., LTD.	10/05/2013	3836413	20200157.4	
3836766	Huawei Technologies Co. Ltd.	12/09/2019	3836766	19943849.0	
3837036	Dürr Systems AG	09/08/2019	3837036	19759281.9	German
3837339	UNILEVER GLOBAL IP LIMITED	07/08/2019	3837339	19748568.3	
3837999	Shaheen Innovations Holding Limited	15/12/2020	3837999	20214228.7	
3838122	Biosense Webster (Israel) Ltd.	17/12/2020	3838122	20215145.2	
3839132	LG Electronics Inc.	30/10/2015	3839132	21151041.7	
3839135	Voith Patent GmbH	19/12/2019	3839135	19217789.7	

3839258	LG Electronics Inc.	13/08/2020	3839258	20190872.0	
3839701	eBay, Inc.	17/02/2015	3839701	21156338.2	
3840019	Commissariat à l'Energie Atomique et aux Energies Alternatives	16/12/2020	3840019	20214516.5	French
3840233	Commissariat à l'Energie Atomique et aux Energies Alternatives	24/11/2020	3840233	20209562.6	French
3840600	X-Technology Swiss GmbH	31/07/2019	3840600	19748819.0	German
3841266	Huf Hülsbeck & Fürst GmbH & Co. KG	03/05/2019	3841266	19725651.4	German
3841603	Raytheon Company	18/06/2019	3841603	19735115.8	
3844737	Universite Le Havre Normandie	30/08/2019	3844737	19758994.8	
3845134	FUJIFILM Corporation	28/06/2019	3845134	19856254.8	
3845215	LABOMED PHARMACEUTICAL COMPANY S.A.	30/12/2019	3845215	19386059.0	
3847743	Hitachi Energy Switzerland AG	03/09/2018	3847743	18765603.8	
3847975	Covidien LP	25/06/2014	3847975	21160816.1	
3848354	Crystal Pharma, S.A.U.	09/09/2013	3848354	21158883.5	
3848770	Vorwerk & Co. Interholding GmbH	07/01/2021	3848770	21150448.5	German
3849877	ZF CV Systems Europe BV	13/08/2019	3849877	19753349.0	German
3849878	ZF CV Systems Europe BV	13/08/2019	3849878	19753350.8	German
3850133	Lindauer Dornier Gesellschaft mit beschränkter Haftung	07/06/2019	3850133	19729540.5	German
3850784	Koninklijke Philips N.V.	02/09/2019	3850784	19759417.9	
3850992	confer GmbH	18/12/2020	3850992	20215249.2	German
3851001	Intropack Co., Ltd.	11/09/2019	3851001	19859107.5	
3851322	Trinity Bay Equipment Holdings, LLC	08/04/2016	3851322	21159522.8	
3851396	Scholle IPN IP B.V.	19/04/2018	3851396	21157168.2	
3851604	Deutsche Everlite GmbH	29/12/2020	3851604	20217495.9	German
3852124	ABB Schweiz AG	15/01/2020	3852124	20152031.9	
3852837	Moore, Kenneth Simon Aylett	20/09/2019	3852837	19778612.2	
3853039	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	12/09/2019	3853039	19787034.8	French
3853465	SAFRAN AIRCRAFT ENGINES	20/09/2019	3853465	19791322.1	French
3853623	Siemens Mobility GmbH	01/10/2019	3853623	19786493.7	German
3854460	C2P (Taiwan) Ltd.	30/04/2020	3854460	20172557.9	
3855570	BJB GmbH & Co. KG	15/12/2020	3855570	20213982.0	German
3856871	Scanship AS	23/09/2019	3856871	19778911.8	

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3856877	ENI S.p.A.	24/09/2019	3856877	19782739.7	
3857065	Burckhardt Compression AG	25/09/2019	3857065	19786900.1	German
3858185	Sudhaus GmbH	16/12/2020	3858185	20214583.5	German
3858576	Sumitomo Heavy Industries, LTD.	28/01/2021	3858576	21153899.6	
3858764	Daifuku Co., Ltd.	28/01/2021	3858764	21154127.1	
3861043	Covestro Intellectual Property GmbH & Co. KG	01/10/2019	3861043	19774122.6	German
3861313	Datatech	01/10/2019	3861313	19795296.3	French
3862715	Société Industrielle de Chauffage (SIC)	19/01/2021	3862715	21152230.5	French
3864178	Koninklijke Philips N.V. The University Court of the University of Glasgow	11/10/2019	3864178	19783066.4	
3865375	TOYOTA JIDOSHA KABUSHIKI KAISHA	25/01/2021	3865375	21153213.0	
3865526	LG CHEM, LTD.	07/10/2019	3865526	19871368.7	
3867022	KUKA Deutschland GmbH	07/01/2020	3867022	20700644.6	German
3868971	Techtronic Cordless GP	03/02/2021	3868971	21154976.1	
3869167	Rosemount Tank Radar AB	21/02/2020	3869167	20158774.8	
3869527	Schaltbau GmbH	17/02/2021	3869527	21157513.9	German
3870360	Saudi Arabian Oil Company King Fahd University of Petroleum and Minerals	16/10/2019	3870360	19797953.7	
3872115	Inner Mongolia Huansheng Technology Co., Ltd.	30/10/2019	3872115	19884518.2	
3872809	Dolby International AB	28/01/2019	3872809	21164481.0	
3873812	Benhil GmbH	08/10/2019	3873812	19795446.4	German
3874019	Dow Silicones Corporation Dow Global Technologies LLC Rohm and Haas Company	15/10/2019	3874019	19795429.0	
3875197	Welser Profile Austria GmbH	02/03/2021	3875197	21160223.0	German
3875914	Sagemcom Energy & Telecom SAS	02/03/2021	3875914	21160162.0	French
3877473	Sun Chemical Corporation	19/02/2020	3877473	20708563.0	
3877491	Equistar Chemicals, LP	07/11/2019	3877491	19836046.3	
3878062	Centre national de la recherche scientifique	24/10/2019	3878062	19790017.8	French
3878692	Grupo Antolin-Ingenieria, S.A.	10/03/2020	3878692	20382171.5	

3878760	ZHEJIANG HOPING MACHINERY CO., LTD.	04/03/2020	3878760	20886167.4	
3879781	Deutsche Telekom AG	13/03/2020	3879781	20163079.5	
3883177	BE-Invest International SA	30/05/2017	3883177	21168094.7	
3884863	Tata Consultancy Services Limited	12/03/2021	3884863	21162394.7	
3885156	FCA Italy S.p.A.	26/03/2020	3885156	20165839.0	
3888830	STROMAB S.P.A.	01/04/2021	3888830	21166582.3	
3890613	Koninklijke Philips N.V.	03/12/2019	3890613	19809858.4	
3893723	Koninklijke Philips N.V.	02/12/2019	3893723	19809498.9	
3894468	TotalEnergies OneTech	09/12/2019	3894468	19816699.3	French
3894738	Signify Holding B.V.	05/12/2019	3894738	19813021.3	
3894774	DENSO THERMAL SYSTEMS S.p.A.	10/12/2019	3894774	19835726.1	
3895127	SAFRAN ELECTRONICS & DEFENSE	12/12/2019	3895127	19842393.1	French
3895979	Yamaha Hatsudoki Kabushiki Kaisha	09/04/2021	3895979	21167624.2	
3896406	Truma Gerätetechnik GmbH & Co. KG	19/08/2016	3896406	21174705.0	German
3896465	MITSUBISHI ELECTRIC CORPORATION	22/01/2019	3896465	19911540.3	
3897202	Unilever IP Holdings B.V.	25/11/2019	3897202	19806251.5	
3897390	Koninklijke Philips N.V.	12/12/2019	3897390	19816774.4	
3898053	JASIC TECHNOLOGY EUROPE S.R.L. Shenzhen Jasic Technology Co., Ltd.	20/12/2019	3898053	19838969.4	
3899207	SAFRAN AIRCRAFT ENGINES	20/12/2019	3899207	19848803.3	French
3899476	OMV Downstream GmbH INWA AG	20/12/2019	3899476	19831726.5	German
3901807	Siemens Aktiengesellschaft	20/04/2020	3901807	20170397.2	German
3902799	Guerbet	17/01/2020	3902799	20700830.1	French
3905679	CANON KABUSHIKI KAISHA	12/01/2012	3905679	21176051.7	
3905955	Koninklijke Philips N.V.	24/12/2019	3905955	19827759.2	
3907040	Leonardo S.p.a.	07/05/2021	3907040	21172889.4	
3907192	Judo Wasseraufbereitung GmbH	28/04/2021	3907192	21170967.0	German
3908728	Kiekert AG	10/01/2020	3908728	20703373.9	German
3909221	Bundesdruckerei GmbH	08/01/2020	3909221	20711778.9	German
3910280	MBDA France	26/03/2021	3910280	21165132.8	French
3912109	Helios Data Inc.	16/01/2020	3912109	20706037.7	

3914474	VOLKSWAGEN AKTIENGESELLSCHAFT	22/01/2020	3914474	20706618.4	German
3915873	LEONARDO S.p.A.	26/05/2020	3915873	20176645.8	
3917102	Deutsche Telekom AG	28/05/2020	3917102	20177071.6	
3918233	Hoerbiger Wien GmbH	29/01/2020	3918233	20702778.0	German
3919402	Citadel Casing Ltd	03/07/2020	3919402	20184070.9	
3919711	Alban Giacomo S.p.A.	18/05/2021	3919711	21174244.0	
3922088	Beckhoff Automation GmbH	11/03/2020	3922088	20711553.6	German
3923800	Koninklijke Philips N.V.	09/04/2020	3923800	20719376.4	
3924139	Bystronic Laser AG	13/02/2020	3924139	20709499.6	
3925867	Nokian Raskaat Renkaat Oy	18/06/2020	3925867	20397509.9	
3925929	Britvic Aqua Libra Co Limited	14/06/2021	3925929	21179322.9	
3927642	The Roberts BV	07/12/2020	3927642	20817020.9	
3928049	thyssenkrupp Industrial Solutions AG	30/04/2021	3928049	21721942.7	German
3928123	MITSUBISHI ELECTRIC CORPORATION	25/12/2020	3928123	20851352.3	
3930949	Kapp Niles GmbH & Co. KG	22/02/2020	3930949	20706267.0	German
3931872	ISORG	21/02/2020	3931872	20713707.6	French
3933141	BTE Stelcon GmbH	30/06/2020	3933141	20183120.3	German
3934424	DANSTAR FERMENT AG	25/03/2020	3934424	20717315.4	
3938115	EFC Systems, Inc.	20/02/2020	3938115	20712151.8	
3939851	Bombardier Transportation GmbH	18/06/2021	3939851	21180469.5	
3945821	JVS Products Limited	03/06/2021	3945821	21728941.2	
3946038	Koninklijke Philips N.V.	20/03/2020	3946038	20713274.7	
3946179	Salts Healthcare Limited	25/03/2020	3946179	20716885.7	
3946915	Nike Innovate C.V.	18/11/2020	3946915	20824775.9	
3957875	SpinDrive Oy	21/08/2020	3957875	20192136.8	
3959118	FERRARI S.p.A.	04/12/2020	3959118	20829655.8	
3960037	Tediber	01/09/2020	3960037	20315400.0	French
3965389	Deutsche Telekom AG	08/09/2020	3965389	20194947.6	
3966420	Weatherford Technology Holdings, LLC	10/07/2020	3966420	20746831.5	
3968463	Samsung Electronics Co., Ltd.	27/08/2019	3968463	21200489.9	
3990547	SHPP Global Technologies B.V.	17/07/2020	3990547	20743367.3	
3990595	Evonik Operations GmbH	11/08/2021	3990595	21762425.3	

2063527	LG Electronics Inc.	20/11/2008	2063527	08253784.6	
2117444	ETHICON ENDO-SURGERY, INC.	21/02/2008	2117444	08730353.3	
2227193	Cornell University	11/12/2008	2227193	08859133.4	
2257861	Microsoft Technology Licensing, LLC	16/02/2009	2257861	09724508.8	
2280691	Merck Patent GmbH	13/05/2009	2280691	09757163.2	German
2307945	Cursor Controls Limited	04/06/2009	2307945	09785229.7	
2314671	RIKEN	05/06/2009	2314671	09758437.9	
2325744	Fujitsu Limited	08/08/2008	2325744	08790429.8	
2369727	Bel Fuse (Macao Commercial Offshore) Limited	15/03/2011	2369727	11158201.1	
2401345	Innospec Limited	25/02/2010	2401345	10706343.0	
2417044	Caspick Systems, LLC	12/04/2010	2417044	10762561.8	
2435673	Corning Inc.	24/05/2010	2435673	10721897.6	
2436618	Caspick Systems, LLC	12/04/2010	2436618	11190623.6	
2465991	LG Electronics Inc.	11/08/2010	2465991	10808352.8	
2474942	EMD Millipore Corporation	23/11/2007	2474942	12163366.3	
2508863	ARKRAY, Inc.	03/04/2012	2508863	12163022.2	
2510890	Covidien LP	12/04/2012	2510890	12163881.1	
2512217	Nunhems B.V.	16/12/2010	2512217	10793168.5	
2520165	Fenwal, Inc.	03/05/2012	2520165	12166633.3	
2520263	Unicharm Corporation	16/12/2010	2520263	10840884.0	
2541628	Suzhou Lakin Semiconductor Co., Ltd.	19/01/2012	2541628	12151666.0	
2544353	Hitachi Industrial Equipment Systems Co., Ltd.	20/12/2010	2544353	10847068.3	
2544856	EDGE CRAFT CORPORATION	11/03/2011	2544856	11754154.0	
2545680	Microsoft Technology Licensing, LLC	04/03/2011	2545680	11753849.6	
2559341	NATRA CACAO, S.L. Unipersonal	16/08/2011	2559341	11382280.3	
2577303	Ascensia Diabetes Care Holdings AG	07/06/2011	2577303	11752665.7	
2586115	Microsoft Technology Licensing, LLC	20/06/2011	2586115	11798694.3	
2588920	Macdermid Graphics Solutions, LLC	19/05/2011	2588920	11803970.0	
2592983	SEB S.A.	08/07/2011	2592983	11806358.5	French
2606597	Alcatel Lucent	29/07/2011	2606597	11817829.2	
2625678	Novar GmbH	04/10/2011	2625678	11790863.2	German
2631242	Takeda Pharmaceutical Company Limited	04/04/2007	2631242	13167428.5	
2647034	The Boeing Company	21/09/2011	2647034	11770228.2	
2655958	Microsoft Technology Licensing, LLC	22/12/2011	2655958	11851505.5	



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2669428	Andritz, Inc.	29/05/2013	2669428	13169696.5	
2669492	General Electric Company	31/05/2013	2669492	13170087.4	
2671801	The Boeing Company	05/06/2013	2671801	13170683.0	
2673661	ION Geophysical Corporation	07/02/2012	2673661	12706744.5	
2677776	FUJITSU LIMITED	10/08/2007	2677776	13183771.8	
2680405	LG Innotek Co., Ltd.	24/06/2013	2680405	13173467.5	
2696873	The United States of America, as represented by The Secretary, Department of Health and Human Services	11/04/2012	2696873	12770599.4	
2706903	Intuitive Surgical Operations, Inc.	27/04/2012	2706903	12786742.2	
2716307	Alchimedics	13/06/2007	2716307	13179048.7	
2717397	NGK Spark Plug Co., Ltd.	04/10/2013	2717397	13187319.2	
2728347	Nippon Steel Corporation	05/06/2012	2728347	12802866.9	
2733562	FUJI Corporation	16/05/2012	2733562	12811034.3	
2742371	Schlumberger Technology B.V.	14/09/2012	2742371	12831724.5	
2742960	Embecta Corp.	12/12/2013	2742960	13197024.6	
2757368	ARKRAY, Inc.	22/01/2014	2757368	14152153.4	
2759140	Microsoft Technology Licensing, LLC	12/09/2012	2759140	12834028.8	
2767228	Edan Instruments, Inc.	26/09/2012	2767228	12839654.6	
2767698	IHI Corporation	10/10/2012	2767698	12840521.4	
2768040	Samsung Display Co., Ltd.	16/01/2014	2768040	14151397.8	
2772264	Institute of Mataria Medica, Chinese Academy of Medical Sciences	24/10/2012	2772264	12843553.4	
2780764	X Development LLC	14/11/2012	2780764	12849815.1	
2783716	B. Braun Avitum AG	20/03/2014	2783716	14160868.7	German
2787910	Mazor Robotics Ltd.	05/12/2012	2787910	12855371.6	
2802193	Rolls-Royce plc	31/03/2014	2802193	14162600.2	
2802478	Siemens Mobility GmbH	28/03/2013	2802478	13715171.8	German
2802867	Adelaide Research & Innovation Pty Ltd.	11/01/2013	2802867	13736428.7	
2809184	Altria Client Services LLC	31/01/2013	2809184	13743632.5	
2809958	Hewi G. Winker GmbH & Co. KG	01/02/2013	2809958	13704045.7	German
2812939	Young, Kwo Ovonic Battery Company, Inc.	06/02/2013	2812939	13746060.6	
2814424	W. L. Gore & Associates, Inc.	15/01/2013	2814424	13703188.6	
2815345	Irdeto B.V.	17/02/2012	2815345	12704807.2	

2816952	University of Florida Research Foundation, Inc.	20/02/2013	2816952	13751401.4	
2817037	Smith & Nephew, Inc.	20/02/2013	2817037	13751390.9	
2817878	Stored Energy Technology Limited	15/02/2013	2817878	13709501.4	
2818278	Nidek Co., Ltd.	24/06/2014	2818278	14173614.0	
2819068	COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES	25/06/2014	2819068	14173939.1	French
2822494	Medtronic Ireland Manufacturing Unlimited Company	04/03/2013	2822494	13712400.4	
2825239	PFM Medical, Inc.	13/03/2013	2825239	13760437.7	
2827493	NISSAN MOTOR CO., LTD.	08/03/2013	2827493	13761656.1	
2830912	Thermo King Corporation	14/03/2013	2830912	13768851.1	
2833401	Mitsubishi Materials Corporation	29/03/2013	2833401	13770305.4	
2833932	Ethicon Endo-Surgery, Inc. Agency for Science, Technology and Research	15/03/2013	2833932	13716506.4	
2834762	Good Start Genetics, Inc.	22/03/2013	2834762	13772357.3	
2835621	Hitachi Astemo, Ltd.	04/04/2013	2835621	13771884.7	
2841637	Electrolux Home Products Corporation N.V.	19/04/2013	2841637	13717773.9	
2841915	The Chemours Company FC, LLC	16/04/2013	2841915	13719204.3	
2842827	Bombardier Transportation GmbH	28/08/2013	2842827	13182037.5	
2844345	The United States of America, as Represented by The Secretary, Department of Health and Human Services The Florida International University Board of Trustees	15/03/2013	2844345	13715054.6	
2844401	Fujifilm Dimatix, Inc.	19/04/2013	2844401	13719351.2	
2848343	Franz Haimer Maschinenbau KG	01/09/2014	2848343	14183089.3	German
2857699	IMS-Verbindungstechnik GmbH & Co. KG	23/05/2014	2857699	14169587.4	German
2859536	KIWI.KI GmbH	07/06/2013	2859536	13727616.8	German
2861223	Tonix Pharma Holdings Limited	14/06/2013	2861223	13804115.7	
2861476	Bombardier Transportation GmbH	19/06/2013	2861476	13730553.8	German
2861969	Luminex Corporation	14/06/2013	2861969	13804717.0	

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2864073	Gustav Klauke GmbH	11/06/2013	2864073	13729315.5	German
2866703	Inertial Orthopaedic Navigation Solutions Pty Ltd	28/06/2013	2866703	13808897.6	
2868137	Samsung Electronics Co., Ltd.	27/06/2013	2868137	13809813.2	
2870820	NEC Corporation	27/06/2013	2870820	13737883.2	
2884193	LG ELECTRONICS INC.	22/10/2014	2884193	14189951.8	
2885415	Easel Biotechnologies LLC	14/08/2013	2885415	13829241.2	
2890556	Dow Brasil Indústria e Comércio de Produtos Químicos Ltda. Dow Global Technologies LLC	15/03/2013	2890556	13714794.8	
2891751	CASAS EM MOVIMENTO, LDA.	02/09/2013	2891751	13779382.4	
2893874	Guger, Christoph Edlinger, Günter	31/01/2012	2893874	14199538.1	German
2895208	The Procter & Gamble Company	13/09/2013	2895208	13766211.0	
2898913	Henke-Sass, Wolf GmbH	18/12/2014	2898913	14198837.8	German
2899501	Hexagon Technology Center GmbH	06/12/2012	2899501	15151841.2	
2903024	Vincotech GmbH	31/01/2014	2903024	14153405.7	
2905369	LG Electronics Inc.	11/09/2013	2905369	15151628.3	
2908730	Carestream Dental Technology Topco Limited	16/09/2013	2908730	13847407.7	
2909209	Merck Sharp & Dohme LLC	11/10/2013	2909209	13846498.7	
2909360	IHI Ionbond AG	12/06/2013	2909360	13849145.1	
2912755	DDIS	17/09/2013	2912755	13789597.5	French
2919044	Korea Institute of Energy Research	07/11/2013	2919044	13853397.1	
2919164	OMRON CORPORATION	13/01/2015	2919164	15150956.9	
2923813	Wiesmayer, Otto	02/06/2010	2923813	15000933.0	German
2927888	Kabushiki Kaisha Toshiba Toshiba Solutions Corporation	28/11/2013	2927888	13858263.0	
2929177	Wobben Properties GmbH	13/11/2013	2929177	13791991.6	German
2931174	Ivoclar Vivadent AG	17/12/2013	2931174	13808008.0	German
2931915	Pocared Diagnostics Ltd.	11/12/2013	2931915	13861869.9	
2932418	Microsoft Technology Licensing, LLC	13/12/2013	2932418	13818085.6	
2932616	Qualcomm Incorporated	06/12/2013	2932616	13814700.4	
2936667	Robert Bosch GmbH	06/12/2013	2936667	13807958.7	German
2941675	Siemens Aktiengesellschaft	22/01/2014	2941675	14702776.7	German
2949325	AgXX Intellectual Property Holding GmbH	28/05/2014	2949325	14170308.2	German

2949516	Yazaki Corporation	20/11/2013	2949516	13873128.6	
2949751	Mitsui Chemicals, Inc.	23/01/2014	2949751	14743436.9	
2952916	Analog Devices International Unlimited Company	27/03/2015	2952916	15161450.0	
2955856	ThinKom Solutions, Inc.	03/06/2015	2955856	15170496.2	
2956084	3Shape A/S	13/02/2014	2956084	14704165.1	
2961263	Bejo Zaden B.V.	27/02/2014	2961263	14708524.5	
2963452	Sercel	02/06/2015	2963452	15170232.1	
2965837	Raytheon Technologies Corporation	22/06/2015	2965837	15173080.1	
2971413	Arranged by	10/03/2014	2971413	14709921.2	
2971785	WILO SE	12/03/2014	2971785	14715208.6	German
2976999	Panasonic Intellectual Property Management Co., Ltd.	28/02/2014	2976999	14771172.5	
2977227	Continental Reifen Deutschland GmbH	13/05/2015	2977227	15167500.6	German
2984050	Nippon Sheet Glass Company, Limited	09/04/2014	2984050	14719114.2	
2985026	Clarus Therapeutics, Inc.	14/04/2006	2985026	15186752.0	
2990288	Mitsubishi Jidosha Kogyo Kabushiki Kaisha	27/08/2015	2990288	15182793.8	
2990387	AGC Inc.	25/03/2014	2990387	14788872.1	
2990812	Hitachi Astemo, Ltd.	26/04/2013	2990812	13882790.2	
2990910	LG Display Co., Ltd.	05/06/2015	2990910	15170820.3	
2994990	Allegro MicroSystems, LLC	29/04/2014	2994990	14727324.7	
2997177	PRC-Desoto International, Inc.	12/05/2014	2997177	14730335.8	
2997916	Synthes GmbH	05/04/2007	2997916	15178469.1	
2999400	Boston Scientific Scimed, Inc.	22/05/2014	2999400	14730410.9	
2999872	ArianeGroup SAS	14/05/2014	2999872	14729954.9	French
3001743	Huawei Technologies Co., Ltd.	18/06/2013	3001743	13887534.9	
3001885	Microsoft Technology Licensing, LLC	07/07/2014	3001885	14747192.4	
3004942	CGG Services SAS	06/06/2014	3004942	14728233.9	
3006682	Orcan Energy AG	07/10/2014	3006682	14187849.6	German
3008749	University of Virginia Patent Foundation	12/06/2014	3008749	14811595.9	
3013364	International AIDS Vaccine Initiative, Inc.	24/06/2014	3013364	14817274.5	
3014303	Sercel	25/06/2014	3014303	14732579.9	
3014315	CGG Services SAS	26/06/2014	3014315	14738758.3	

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3015067	Fatigue Science Laboratory Inc. Murata Manufacturing Co., Ltd.	03/06/2014	3015067	14816659.8	
3023689	SITECO GmbH	23/11/2015	3023689	15003329.8	German
3023839	Macdermid Graphics Solutions, LLC	11/02/2011	3023839	15202717.3	
3027246	Sensile Medical AG	24/07/2014	3027246	14767127.5	
3029797	MARICI Holdings The Netherlands B.V.	04/12/2014	3029797	14196363.7	
3030126	Sickler, Perry Calafut, Edward	07/08/2014	3030126	14833646.4	
3033899	Telefonaktiebolaget LM Ericsson (publ)	24/01/2014	3033899	14707472.8	
3034864	Siemens Gamesa Renewable Energy Service GmbH	30/11/2015	3034864	15196986.2	German
3035969	S.M. Discovery Holdings Inc.	19/08/2014	3035969	14752865.7	
3038226	Fico Triad, S.A.	26/12/2014	3038226	14382574.3	
3038243	Braun GmbH	16/12/2015	3038243	15200420.6	
3041801	Corning Incorporated	04/09/2014	3041801	14772004.9	
3044840	Schunk Transit Systems GmbH	09/09/2014	3044840	14772297.9	German
3054082	Baker Hughes Holdings LLC	25/01/2016	3054082	16152622.3	
3054480	Robert Bosch GmbH	16/12/2015	3054480	15200325.7	German
3055106	Illinois Tool Works Inc.	03/09/2014	3055106	14772247.4	
3056873	Schneider Electric Systems USA, Inc.	05/02/2016	3056873	16154403.6	
3057201	ALSTOM Transport Technologies	10/02/2016	3057201	16155035.5	French
3057912	iKNOW-WHO GmbH	17/10/2014	3057912	14792765.1	
3059802	Panasonic Holdings Corporation	14/01/2016	3059802	16151165.4	
3060703	Raytheon Technologies Corporation	24/09/2014	3060703	14856563.3	
3067571	HYDAC Systems & Services GmbH	12/01/2016	3067571	16000049.3	German
3068034	Mitsubishi Electric Corporation	08/11/2013	3068034	13896960.5	
3071194	Biocodex	20/11/2014	3071194	14820758.2	
3071216	Pergasus AB	19/11/2014	3071216	14825175.4	
3071664	The Chemours Company FC, LLC	21/11/2014	3071664	14815509.6	
3073568	Ignion, S.L.	29/03/2016	3073568	16162691.6	
3074739	Eaton Intelligent Power Limited	10/09/2014	3074739	14766662.2	German
3076851	Digital Endoscopy GmbH	28/11/2014	3076851	14806228.4	German
3077632	General Electric Technology GmbH	28/11/2014	3077632	14805589.0	
3078297	Albéa Services	11/03/2016	3078297	16160024.2	French
3079604	Stryker Puerto Rico Limited	12/12/2014	3079604	14870489.3	
3079743	De Motu Cordis Pty. Ltd.	10/12/2014	3079743	14868882.3	

3080844	Texas Instruments Incorporated	12/12/2014	3080844	14869386.4	
3083178	PPG Industries Ohio, Inc.	17/12/2014	3083178	14824693.7	
3083924	Novozymes A/S	18/12/2014	3083924	14818962.4	
3084084	Black Cat Wear Parts Ltd.	18/12/2013	3084084	13899369.6	
3086448	Regal Beloit America, Inc.	21/04/2016	3086448	16166472.7	
3086979	Thermo King Corporation	24/12/2014	3086979	14875643.0	
3087275	VHIT S.p.A.	22/12/2014	3087275	14830721.8	
3089526	Sharp Kabushiki Kaisha	22/12/2014	3089526	14875484.9	
3093197	KAWASAKI MOTORS, LTD.	09/01/2014	3093197	14877853.3	
3094433	Raytheon Technologies Corporation	14/01/2015	3094433	15737740.9	
3094895	Halliburton Energy Services, Inc.	21/03/2014	3094895	14886075.2	
3095435	DeguDent GmbH	20/05/2016	3095435	16170567.8	
	Dentsply Sirona Inc.				
3097165	Applied Research Associates, Inc.	13/01/2015	3097165	15737480.2	
3097235	Ferrari, Marco	22/01/2015	3097235	15702993.5	
	Girardini S.r.l.				
3098675	Pratt & Whitney Canada Corp.	25/05/2016	3098675	16171367.2	
3100322	Thörner, Wolfgang B.	27/01/2015	3100322	15707286.9	German
3103056	Samsung Electronics Co., Ltd.	03/02/2015	3103056	15742719.6	
3108498	Raytheon Company	29/01/2015	3108498	15703217.8	
3109739	Scramoge Technology Limited	07/06/2012	3109739	16169137.3	
3110287	Albéa Services	11/02/2015	3110287	15705259.8	French
3112038	TRUMPF Werkzeugmaschinen GmbH	06/06/2016	3112038	16173101.3	German
	+ Co. KG				
3120154	Beckman Coulter Inc.	18/03/2015	3120154	15715544.1	
3120163	Raytheon Company	21/01/2015	3120163	15703846.4	
3120359	Intel Corporation	09/03/2015	3120359	15764737.1	
3125525	Huizhou TCL Mobile Communication	04/06/2014	3125525	14886763.3	
	Co., Ltd.				
3126407	ExxonMobil Chemical Patents Inc.	06/03/2015	3126407	15711616.1	
3131808	Copple, Robert W.	21/04/2015	3131808	15783470.6	
3131888	BASF SE	08/04/2015	3131888	15715238.0	German
3133782	Yokogawa Electric Corporation	16/08/2016	3133782	16184253.9	
3134052	Becton Dickinson and Company	21/04/2015	3134052	15720855.4	
	Limited				
3138862	Mitsui Chemicals, Inc.	30/04/2015	3138862	15785524.8	
3140334	Henkel AG & Co. KGaA	04/05/2015	3140334	15719475.4	German

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3140732	Tencent Technology (Shenzhen) Company Limited	05/05/2015	3140732	15789484.1	
3142237	Schneider Electric IT Corporation	02/05/2016	3142237	16167854.5	
3145578	Commissariat à l'Énergie Atomique et aux Énergies Alternatives	19/05/2015	3145578	15730279.5	French
3146984	Miele & Cie. KG	07/09/2016	3146984	16187535.6	German
3147396	Welspun India Limited	26/09/2016	3147396	16190632.6	
3147700	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	15/09/2016	3147700	16189008.2	German
3150792	Agtatec AG	29/09/2016	3150792	16191534.3	German
3152544	MTS Systems Corporation	08/06/2015	3152544	15730931.1	
3152615	Lundin, Johan	08/06/2015	3152615	15739306.7	
3152960	Telefonaktiebolaget LM Ericsson (publ)	06/06/2014	3152960	14893879.8	
3153166	Chugai Seiyaku Kabushiki Kaisha	09/06/2014	3153166	14894764.1	
3153197	Sanofi-Aventis Deutschland GmbH	05/12/2012	3153197	16195292.4	
3154566	Acceleron Pharma Inc.	12/06/2015	3154566	15806256.2	
3154799	Compagnie Générale des Etablissements Michelin	12/06/2015	3154799	15744730.1	
3157068	SUMITOMO CHEMICAL COMPANY LIMITED	05/06/2015	3157068	15806188.7	
3157625	University of Newcastle Upon Tyne	18/06/2015	3157625	15732892.3	
3157939	Haldor Topsøe A/S	18/06/2015	3157939	15730495.7	
3158571	Ellenberger & Poensgen GmbH	16/03/2015	3158571	15714411.4	German
3159939	SolAero Technologies Corp.	05/09/2016	3159939	16187299.9	
3159979	Telefonaktiebolaget LM Ericsson (Publ)	29/09/2016	3159979	16191297.7	German
3160470	Prilenia Neurotherapeutics Ltd.	29/06/2015	3160470	15814023.6	
3161326	Leybold GmbH	10/06/2015	3161326	15729420.8	German
3161437	University of Salford Enterprises Limited	26/06/2015	3161437	15733872.4	
3161609	NEC Corporation	23/06/2015	3161609	15812492.5	
3161751	Ocado Innovation Limited	24/06/2015	3161751	15738285.4	
3162369	Reyon Pharmaceutical Co., Ltd.	29/06/2015	3162369	15814564.9	
3162494	Aktiebolaget SKF	25/10/2016	3162494	16195505.9	
3162760	Mitsubishi Electric Corporation	15/04/2015	3162760	15812317.4	
3164071	Covidien LP	30/06/2015	3164071	15814669.6	
3165984	Yokogawa Electric Corporation	04/11/2016	3165984	16197256.7	
3166544	Kraemer, Paul E.	12/08/2015	3166544	15831401.3	

3167070	Hofvander, Per Stymne, Sten Löfstedt, Christer	05/05/2015	3167070	15789023.7	
3167122	Eurovia SA Lhoist Recherche et Développement S.A.	10/07/2015	3167122	15734707.1	French
3170302	Sony Group Corporation	19/05/2015	3170302	15727071.1	
3170305	Sony Interactive Entertainment Inc.	17/06/2015	3170305	15822840.3	
3170456	Covidien LP	16/11/2016	3170456	16199097.3	
3174429	Colgate-Palmolive Company	18/08/2014	3174429	14756212.8	
3175536	Siemens Aktiengesellschaft	03/08/2015	3175536	15747786.0	German
3176920	ebm-papst Mulfingen GmbH & Co. KG	28/11/2016	3176920	16200878.3	German
3179321	Yokogawa Electric Corporation	09/09/2016	3179321	16187959.8	
3182461	IMEC VZW Katholieke Universiteit Leuven	16/12/2015	3182461	15200415.6	
3182518	TE Connectivity Germany GmbH Tyco Electronics AMP Italia S.r.l.	15/12/2015	3182518	15200211.9	
3183791	Murata Manufacturing Co., Ltd.	25/06/2015	3183791	15738147.6	
3186348	The Procter & Gamble Company	25/08/2015	3186348	15756794.2	
3187817	DSG Technology AS	26/08/2015	3187817	15835791.3	
3188251	LG Display Co., Ltd.	19/12/2016	3188251	16204960.5	
3189428	AB Initio Technology LLC	02/09/2015	3189428	15771756.2	
3191203	Cummins, Inc.	10/08/2015	3191203	15831516.8	
3195994	Toray Industries, Inc.	31/08/2015	3195994	15841290.8	
3197008	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	26/11/2015	3197008	15897378.4	
3197487	Seqirus UK Limited	25/09/2015	3197487	15781436.9	
3198740	Apple Inc.	22/07/2015	3198740	15747316.6	
3200127	Beijing Xiaomi Mobile Software Co., Ltd.	25/01/2017	3200127	17152989.4	
3200129	Zhejiang Chint Electrics Co., Ltd.	25/09/2015	3200129	15844666.6	
3200772	Novartis AG	01/10/2015	3200772	15778761.5	
3200892	Flodesign Sonics, Inc.	30/09/2015	3200892	15847217.5	
3201421	Halliburton Energy Services, Inc.	30/12/2014	3201421	14909643.0	
3202228	Samsung Electronics Co., Ltd.	01/10/2015	3202228	15846148.3	
3202654	SRAM Deutschland GmbH	20/06/2009	3202654	16002533.4	German



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3202805	Hoya Lens Thailand Ltd.	09/09/2015	3202805	15847806.5	
3203388	Amadeus S.A.S.	25/01/2017	3203388	17000126.7	
3203826	iRobot Corporation	03/09/2015	3203826	15849479.9	
3205339	Fuji Capsule Co., Ltd.	06/10/2015	3205339	15848818.9	
3205674	DL Chemical CO., LTD	03/06/2014	3205674	17161424.1	
3206693	Alcon Inc.	15/10/2015	3206693	15791399.7	
3207296	Endress+Hauser SE+Co. KG	17/09/2015	3207296	15766138.0	German
3207558	Lam Research Corporation	16/10/2015	3207558	15851416.6	
3208376	Toray Industries, Inc.	13/01/2016	3208376	16740029.0	
3209216	Chieng, Yen Yung	20/10/2015	3209216	15851801.9	
3209308	Evolve Biosystems Inc.	23/10/2015	3209308	15853612.8	
3210014	Haute Ecole d'Ingénierie et de Gestion du Canton de Vaud (HEIG-VD)	20/10/2015	3210014	15797864.4	
3210053	Sercel	20/10/2015	3210053	15801226.0	
3210435	Apple Inc.	21/10/2015	3210435	15790394.9	
3211339	VILPE Oy	17/02/2017	3211339	17156582.3	
3213216	Microsoft Technology Licensing, LLC	26/10/2015	3213216	15788551.8	
3217332	Panasonic Intellectual Property Corporation of America	09/03/2017	3217332	17160068.7	
3217755	Sharp Kabushiki Kaisha	02/11/2015	3217755	15856764.4	
3218123	ITW Limited	09/10/2015	3218123	15781754.5	
3219488	Toppan Printing Co., Ltd.	11/11/2015	3219488	15859453.1	
3220140	The Boeing Company	01/02/2013	3220140	17168856.7	
3222419	Mitsubishi Chemical Corporation	18/11/2015	3222419	15861495.8	
3228065	Intermedia.net, Inc.	05/11/2015	3228065	15865059.8	
3229896	Koninklijke Philips N.V.	09/12/2015	3229896	15817559.6	
3232675	InterDigital Madison Patent Holdings, SAS	14/03/2017	3232675	17160893.8	
3236246	Nuctech Company Limited	14/12/2015	3236246	15869282.2	
3238077	Intel Corporation	24/11/2015	3238077	15874018.3	
3239774	Canon Kabushiki Kaisha	25/12/2014	3239774	14909035.9	
3240686	Dow Global Technologies LLC Dow Quimica de Colombia S.A. PBBPolisur S.r.l.	15/12/2015	3240686	15826083.6	
3242210	INTEL Corporation	15/03/2013	3242210	17177561.2	
3244442	Emberion Oy	09/05/2016	3244442	16168722.3	
3245235	SCG Chemicals Co., Ltd.	06/01/2016	3245235	16700507.3	

3246881	Siemens Healthcare GmbH	16/05/2017	3246881	17171207.8	
3248620	Teleflex Life Sciences Unlimited Company	25/05/2016	3248620	16001196.1	
3249636	BOE Technology Group Co., Ltd. Beijing Boe Multimedia Technology Co., Ltd.	19/08/2015	3249636	15837219.3	
3253254	BOCK 1 GmbH & Co. KG	28/01/2016	3253254	16702659.0	German
3254071	Honeywell International Inc.	29/01/2016	3254071	16703702.7	
3255778	Deere & Company	05/05/2017	3255778	17169808.7	
3256055	TAURUS ENDOSCOPY	12/02/2016	3256055	16707915.1	French
3256460	Purac Biochem bv	11/02/2016	3256460	16703813.2	
3257317	Nokia Technologies Oy	13/02/2015	3257317	15711905.8	
3257937	uniQure IP B.V.	19/02/2009	3257937	17181630.9	
3260844	FFE Limited	21/06/2017	3260844	17177062.1	
3261669	Memorial Sloan Kettering Cancer Center	25/02/2016	3261669	16762124.2	
3263624	FUJIFILM Corporation	24/12/2015	3263624	15883403.6	
3266306	SCHÜLKE & MAYR GmbH	15/06/2017	3266306	17176211.5	
3266417	W. L. Gore & Associates, Inc.	13/12/2013	3266417	17187601.4	
3267273	I.M.A. Industria Macchine Automatiche S.p.A.	15/10/2012	3267273	17182460.0	
3267529	Apple Inc.	07/06/2017	3267529	17174854.4	
3267835	M+C Schiffer GmbH	08/04/2016	3267835	16715846.8	German
3269200	Telefonaktiebolaget LM Ericsson (publ)	10/03/2015	3269200	15708825.3	
3269479	Sumitomo Electric Hardmetal Corp.	02/03/2017	3269479	17774043.8	
3269648	Kawasaki Jukogyo Kabushiki Kaisha	08/03/2016	3269648	16761305.8	
3271419	SHPP Global Technologies B.V.	16/03/2016	3271419	16716961.4	
3271688	Nokia Technologies Oy	16/03/2015	3271688	15885298.8	
3272111	Microsoft Technology Licensing, LLC	10/03/2016	3272111	16713670.4	
3274430	Corbion Biotech, Inc.	24/03/2016	3274430	16715694.2	
3274465	BASF SE	19/02/2016	3274465	16705208.3	German
3276085	Marufuji Sheet Piling Co. Ltd. Nihon University	10/03/2016	3276085	16768471.1	
3277060	Airbus Defence and Space GmbH	28/06/2017	3277060	17001095.3	German
3278220	Microsoft Technology Licensing, LLC	28/03/2016	3278220	16714717.2	
3279560	MITSUBISHI HEAVY INDUSTRIES, LTD.	22/03/2016	3279560	16772442.6	

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3280125	Konica Minolta, Inc.	27/07/2017	3280125	17183575.4	
3282331	Phoenix Contact GmbH & Co. KG	11/08/2017	3282331	17185860.8	German
3282967	Medtronic Xomed, Inc.	11/04/2016	3282967	16716808.7	
3283592	Henkel IP & Holding GmbH	24/03/2016	3283592	16780431.9	
3284133	INTEL Corporation	22/02/2016	3284133	16780412.9	
3284462	Galleon Labs LLC	16/02/2017	3284462	17156555.9	
3284552	Bando Chemical Industries, Ltd.	01/04/2016	3284552	16779746.3	
3285209	Idemia Identity & Security France	18/08/2017	3285209	17186966.2	French
3286874	Nokia Technologies Oy	21/04/2015	3286874	15889784.3	
3286969	Qualcomm Incorporated	01/04/2016	3286969	16716149.6	
3287254	Promix Solutions AG	18/08/2017	3287254	17186790.6	German
3287716	UBIBLUE	22/06/2017	3287716	17177465.6	French
3288350	Osram Sylvania Inc.	04/07/2017	3288350	17179460.5	
3290203	Dexerials Corporation	15/04/2016	3290203	16786331.5	
3290637	Raytheon Technologies Corporation	31/08/2017	3290637	17188878.7	
3291289	Brooks Automation (Germany) GmbH	30/08/2016	3291289	16186441.8	
3292311	AVL List GmbH	09/05/2016	3292311	16736764.8	German
3292568	Epishine AB	03/05/2016	3292568	16789683.6	
3292601	Eaton Protection Systems IP GmbH & Co. KG	06/05/2016	3292601	16721156.4	German
3292602	Eaton Protection Systems IP GmbH & Co. KG	06/05/2016	3292602	16721158.0	German
3292626	The University of Birmingham	11/04/2016	3292626	16716662.8	
3293104	The Boeing Company	20/06/2017	3293104	17176910.2	
3296145	ALSTOM Transport Technologies	13/09/2017	3296145	17190948.4	French
3296203	Airbus Operations GmbH	15/09/2016	3296203	16188929.0	
3296281	ARKEMA FRANCE	14/12/2011	3296281	17193947.3	
3296756	Tatsumi Ryoki Co., Ltd	23/02/2016	3296756	16792406.7	
3297114	General Electric Company	07/09/2017	3297114	17189911.5	
3297117	OMRON Corporation	18/08/2017	3297117	17186812.8	
3297532	Lightlab Imaging, Inc.	17/05/2016	3297532	16726252.6	
3299322	KONE Corporation	26/09/2016	3299322	16190661.5	
3299631	Samsung Electronics Co., Ltd.	19/09/2017	3299631	17191937.6	
3301435	Cedars-Sinai Medical Center	17/03/2014	3301435	17186617.1	
3301835	Analog Devices International Unlimited Company	25/09/2017	3301835	17192905.2	
3302851	Oskar Frech GmbH + Co. KG	02/06/2016	3302851	16727989.2	German

3302852	Oskar Frech GmbH + Co. KG	03/06/2016	3302852	16727995.9	German
3304616	Milwaukee Electric Tool Corporation	03/06/2016	3304616	16804545.8	
3304634	Ionic Materials, Inc.	07/06/2016	3304634	16808115.6	
3304998	Apple Inc.	22/12/2015	3304998	15826106.5	
3305451	Makino Milling Machine Co., Ltd.	29/05/2015	3305451	15894107.0	
3306264	CKD Corporation	16/05/2016	3306264	16799857.4	
3306566	GeneMind Biosciences Company Limited	09/10/2017	3306566	17195466.2	
3306782	IHI Corporation	13/05/2016	3306782	16799840.0	
3307453	Milwaukee Electric Tool Corporation	15/06/2016	3307453	16812361.0	
3307533	Fergusson's Advanced Composite Technology Limited	10/06/2016	3307533	16736556.8	
3307956	Vizionz Holding B.V.	10/06/2016	3307956	16744906.5	
3308370	Applied Medical Resources Corporation	09/06/2016	3308370	16731736.1	
3308605	IDEAL INDUSTRIES LIGHTING LLC	11/06/2016	3308605	16735937.1	
3308701	Samsung Electronics Co., Ltd.	24/05/2017	3308701	17172684.7	
3308803	Miele & Cie. KG	05/10/2017	3308803	17194995.1	
3309870	Murata Manufacturing Co., Ltd.	02/06/2016	3309870	16807094.4	
3310130	Siempelkamp Maschinen- und Anlagenbau GmbH	14/09/2017	3310130	17191051.6	German
3310895	Anheuser-Busch InBev S.A.	17/06/2016	3310895	16733340.0	
3311237	ConocoPhillips Company	17/06/2016	3311237	16812541.7	
3312997	Panasonic Intellectual Property Management Co., Ltd.	08/06/2016	3312997	16813912.9	
3313411	The Regents of the University of California	24/06/2016	3313411	16815419.3	
3313585	Eisenmann SE	14/06/2016	3313585	16730332.0	German
3314030	Urbangold GmbH	27/06/2016	3314030	16731933.4	German
3314827	NEC Corporation	25/06/2015	3314827	15738287.0	
3315558	SUMITOMO CHEMICAL COMPANY, LIMITED	23/06/2016	3315558	16814418.6	
3316219	Ricoh Company, Ltd.	06/10/2017	3316219	17195161.9	
3317531	Vestas Wind Systems A/S	17/06/2016	3317531	16731504.3	
3318907	Corning Optical Communications LLC	07/11/2016	3318907	16197585.9	
3319308	Samsung Electronics Co., Ltd.	26/10/2017	3319308	17198707.6	

3319623	Trese, Michael T. Capone, Antonio Jr. Drenser, Kimberly	08/06/2016	3319623	16808183.4	
3322612	Valeo Equipements Electriques Moteur	07/07/2016	3322612	16745798.5	French
3327783	LG Display Co., Ltd.	21/09/2017	3327783	17192303.0	
3327941	Samsung Electronics Co., Ltd.	04/06/2010	3327941	18150846.6	
3328619	EOS GmbH Electro Optical Systems	11/11/2016	3328619	16794643.3	German
3330135	Kyocera Corporation	29/07/2016	3330135	16830072.1	
3333226	LG Chem, Ltd.	22/12/2016	3333226	16908359.9	
3334534	dlhBOWLES, Inc.	11/08/2016	3334534	16835920.6	
3335142	Haventec PTY LTD	12/08/2016	3335142	16834301.0	
3335368	Nokia Technologies Oy	14/08/2015	3335368	15757071.4	
3335867	Fette Compacting GmbH	10/10/2017	3335867	17195721.0	German
3335972	Beijing Onemile Technology Co., Ltd	12/08/2016	3335972	16834687.2	
3336131	EMS-CHEMIE AG	01/12/2017	3336131	17204841.5	German
3336451	Hefei Hualing Co., Ltd. Midea Group Co., Ltd.	18/11/2015	3336451	15906551.5	
3336494	Sunlight Aerospace Inc.	12/12/2017	3336494	17206693.8	
3337682	Nifco Korea Inc.	18/08/2016	3337682	16837340.5	
3337791	University Health Network	15/08/2016	3337791	16836314.1	
3339330	AGC Inc.	12/08/2016	3339330	16837084.9	
3339565	OneSubsea IP UK Limited	06/09/2017	3339565	17189651.7	
3340499	NXP B.V.	21/12/2016	3340499	16205940.6	
3341528	Wobben Properties GmbH	29/08/2016	3341528	16757269.2	German
3341859	Google LLC	25/08/2016	3341859	16759950.5	
3342006	Phoenix Contact GmbH & Co. KG	23/08/2016	3342006	16754505.2	German
3342552	Kawasaki Jukogyo Kabushiki Kaisha	27/05/2016	3342552	16838709.0	
3343778	Nippon Telegraph And Telephone Corporation	19/08/2016	3343778	16838797.5	
3345159	Straxcorp Pty Ltd	02/09/2016	3345159	16840431.7	
3345799	Kubota Corporation	25/05/2016	3345799	16841202.1	
3347184	SABIC Global Technologies B.V.	07/09/2016	3347184	16766395.4	
3347791	Samsung Electronics Co., Ltd.	15/12/2016	3347791	16884010.6	
3349236	AES Global Holdings, Pte. Ltd.	15/04/2016	3349236	18158711.4	
3349640	Baylor College of Medicine Texas Heart Institute	19/09/2016	3349640	16847565.5	
3349658	Koninklijke Philips N.V.	05/09/2016	3349658	16763329.6	

3350051	Neology, Inc.	14/09/2016	3350051	16847254.6	
3350140	Golstein Mestsystemen B.V.	16/09/2016	3350140	16782306.1	
3350668	Microsoft Technology Licensing, LLC	08/08/2016	3350668	16760847.0	
3351008	Samsung Electronics Co., Ltd.	03/06/2016	3351008	16875861.3	
3351827	Artemis Intelligent Power Limited	20/01/2017	3351827	17152506.6	
3352847	Medtronic, Inc.	14/09/2016	3352847	16778514.6	
3353748	Koninklijke Philips N.V.	22/09/2016	3353748	16777574.1	
3355255	Ocado Innovation Limited	03/06/2015	3355255	18159376.5	
3356129	Hueck Rheinische GmbH	30/09/2016	3356129	16774949.8	German
3356321	Celanese International Corporation	02/10/2015	3356321	15782172.9	
3357076	Siemens Energy Global GmbH & Co. KG	20/09/2016	3357076	16781901.0	
3358204	ITT Manufacturing Enterprises LLC	11/01/2018	3358204	18151162.7	
3358600	Shin-Etsu Handotai Co., Ltd.	22/08/2016	3358600	16850559.2	
3360213	Fi.Mo.Tec. S.p.a.	03/10/2016	3360213	16779039.3	
3360331	Microsoft Technology Licensing, LLC	28/09/2016	3360331	16779278.7	
3360683	Hitachi Industrial Equipment Systems Co., Ltd.	26/09/2016	3360683	16853441.0	
3360840	Tadano Ltd.	06/10/2016	3360840	16853724.9	
3361903	Koninklijke Philips N.V.	12/10/2016	3361903	16785109.6	
3362505	Arkema France	13/10/2016	3362505	16791658.4	French
3362778	Omega Biosystems Incorporated	13/10/2016	3362778	16784733.4	
3362818	Deere & Company	30/09/2016	3362818	16855951.6	
3363353	Daikin Industries, Ltd. Tokyo Institute of Technology	17/10/2016	3363353	16855566.2	
3363408	Shenzhen Lifetech Respiration Scientific Co., Ltd.	29/06/2016	3363408	16854767.7	
3364603	Netscout Systems, Inc.	16/02/2018	3364603	18157094.6	
3364713	Commscope Technologies LLC	21/02/2014	3364713	18166380.8	
3365214	Innova Patent GmbH	21/09/2016	3365214	16767320.1	German
3365338	ESTEVE PHARMACEUTICALS, S.A.	21/10/2016	3365338	16785348.0	
3365508	Armstrong World Industries, Inc.	20/10/2016	3365508	16860528.5	
3365764	MyScript	18/10/2016	3365764	16790262.6	
3365822	Microsoft Technology Licensing, LLC	05/10/2016	3365822	16787605.1	
3365850	Okta, Inc.	04/06/2016	3365850	16857915.9	
3366068	Telefonaktiebolaget LM Ericsson (PUBL)	18/08/2016	3366068	16756666.0	

3368274	Graf Synergy S.r.l.	25/10/2016	3368274	16808802.9	
3368468	Krones AG	31/10/2016	3368468	16788136.6	German
3368649	Dramedica, LLC	22/10/2016	3368649	16860554.1	
3369137	TE Connectivity Services GmbH	27/10/2015	3369137	15785125.4	French
3369697	STILL GmbH	02/03/2018	3369697	18159625.5	German
3370436	GEODE SOUND INC.	29/09/2017	3370436	17821775.8	
3370877	SOCIETE FINANCIERE INDUSTRIELLE	07/11/2016	3370877	16806255.2	French
3371615	Cedars-Sinai Medical Center	03/11/2016	3371615	16863005.1	
3374048	DV Industries, LLC	10/11/2016	3374048	16865041.4	
3374100	Krones AG	10/11/2016	3374100	16798435.0	German
3374539	Oerlikon Surface Solutions AG, Pfäffikon	09/11/2016	3374539	16816582.7	
3375009	Qualcomm Incorporated	11/10/2016	3375009	16785314.2	
3375110	Space Systems / Loral LLC	31/10/2016	3375110	16876983.4	
3375223	Telefonaktiebolaget LM Ericsson (PUBL)	12/11/2015	3375223	15793831.7	
3375863	Kyoto University	08/11/2016	3375863	16864181.9	
3376265	CGG Services SAS	12/03/2018	3376265	18305258.8	
3379316	Sony Group Corporation	07/10/2016	3379316	16866052.0	
3379346	ETA SA Manufacture Horlogère Suisse	20/03/2017	3379346	17161866.3	French
3379622	Zeon Corporation	09/11/2016	3379622	16865923.3	
3379705	LG INNOTEK CO. LTD	26/06/2013	3379705	18172136.6	
3380114	Immunocore Limited Adaptimmune Limited	23/11/2016	3380114	16805178.7	
3380222	BASF SE	18/11/2016	3380222	16802003.0	German
3380533	Ecole Supérieure de Chimie Physique Electronique de Lyon Ezus, Lyon Solvay SA Centre National de la Recherche Scientifique Université Claude Bernard Lyon 1	25/11/2016	3380533	16801769.7	
3381344	Samsung Electronics Co., Ltd.	26/01/2017	3381344	17744583.0	
3383070	Harman International Industries, Incorporated	28/03/2018	3383070	18164548.2	
3383359	Symrise AG	06/04/2016	3383359	16718220.3	

3383419	Juno Therapeutics, Inc.	02/12/2016	3383419	16825929.9	
3384020	Universität Basel	30/11/2016	3384020	16808953.0	
3384096	Ammann Schweiz AG	03/12/2015	3384096	15812936.1	German
3384520	The Board of Trustees of the University of Illinois	30/11/2016	3384520	16871386.5	
3385173	Space Systems/Loral, LLC	19/03/2018	3385173	18162501.3	
3385658	Delta P Design, Inc.	12/03/2018	3385658	18161158.3	
3386742	Dow Global Technologies LLC Dow Quimica Mexicana S.A.de C.V.	08/11/2016	3386742	16798606.6	
3387300	Daher Valves	07/12/2016	3387300	16815627.1	French
3387987	BOCAhealthcare GmbH Baiocco, Pietro	13/04/2018	3387987	18167155.3	
3389231	Huawei Technologies Co., Ltd.	14/01/2013	3389231	18156875.9	
3390423	Galecto Biotech AB	16/12/2016	3390423	16809870.5	
3390658	Standard BioTools Inc.	16/12/2016	3390658	16820542.5	
3390770	FMC Technologies, Inc.	16/12/2015	3390770	15820763.9	
3392356	POSCO	15/12/2016	3392356	16876054.4	
3393052	Avago Technologies International Sales Pte. Limited	11/04/2006	3393052	18166540.7	
3393528	Straumann Holding AG	22/12/2016	3393528	16823286.6	
3395066	BOE Technology Group Co., Ltd.	25/12/2015	3395066	15897379.2	
3395867	Toray Industries, Inc.	09/12/2016	3395867	16878420.5	
3396712	Ningbo Sunpu Led Co., Ltd.	18/09/2017	3396712	17191629.9	
3396760	Nissan Motor Co., Ltd.	25/11/2016	3396760	16878261.3	
3397335	Inovio Pharmaceuticals, Inc.	28/12/2016	3397335	16882581.8	
3397500	Oberthur Fiduciaire SAS	23/12/2016	3397500	16820293.5	French
3398178	Robert Bosch GmbH	30/12/2016	3398178	16822706.4	
3398466	Shenzhen Breo Technology Co., Ltd.	20/06/2016	3398466	16787705.9	
3399013	The Procter & Gamble Company	30/01/2018	3399013	18154155.8	
3399844	JDRF Electromag Engineering Inc.	30/04/2018	3399844	18170066.7	
3400127	Hewlett-Packard Development Company, L.P.	12/05/2016	3400127	16901861.1	
3400265	Commissariat à l'Énergie Atomique et aux Énergies Alternatives	28/02/2017	3400265	17713721.3	French
3400381	Federal-Mogul LLC	04/01/2017	3400381	17701366.1	
3400396	ZF Friedrichshafen AG	08/12/2016	3400396	16809019.9	
3400573	Allstate Insurance Company	03/01/2017	3400573	17736191.2	



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3401088	Röhren- und Pumpenwerk Bauer Ges.mbH	02/05/2018	3401088	18170366.1	German
3401110	Sato Holdings Kabushiki Kaisha	14/04/2017	3401110	17857995.9	
3401438	Profilm Materials Ltd.	09/05/2018	3401438	18171554.1	
3402053	Mitsubishi Electric Corporation	05/01/2016	3402053	16883564.3	
3402951	MILLER EDGE, INC.	13/01/2017	3402951	17739047.3	
3403147	Nuovo Pignone Tecnologie SrL	13/01/2017	3403147	17700808.3	
3403333	QUALCOMM Incorporated	12/12/2016	3403333	16871793.2	
3403738	Thalmann Maschinenbau AG	16/05/2017	3403738	17171224.3	German
3403981	Otis Elevator Company	14/05/2018	3403981	18172169.7	
3404060	Hitachi Energy Switzerland AG	19/05/2017	3404060	17171853.9	
3404724	LG Electronics Inc.	18/05/2018	3404724	18173262.9	
3405480	Merz Pharma GmbH & Co. KGaA	19/01/2017	3405480	17700693.9	
3405618	GustoMSC B.V.	23/01/2017	3405618	17706321.1	
3405989	Intelligent Energy Limited	17/01/2017	3405989	17705688.4	
3406363	Nippon Steel Corporation	20/01/2017	3406363	17741573.4	
3406784	LG Electronics Inc.	03/01/2017	3406784	17741588.2	
3407151	Tata Consultancy Services Limited	15/05/2018	3407151	18172289.3	
3407166	Mako Surgical Corporation	20/12/2012	3407166	18172511.0	
3407362	AUDI AG	22/03/2018	3407362	18163238.1	German
3407963	Advanced Bionics AG	27/01/2016	3407963	16703041.0	
3408446	Berndorf Band GmbH	24/01/2017	3408446	17711060.8	German
3408654	Stryker European Operations Limited	26/01/2017	3408654	17743524.5	
3409394	NIPPON STEEL CORPORATION	02/03/2017	3409394	17760153.1	
3410485	ams AG	30/05/2017	3410485	17173499.9	
3410686	Rakuten Group, Inc.	27/01/2016	3410686	16887922.9	
3411711	Immune System Key Ltd.	02/02/2017	3411711	17747119.0	
3412574	Airbus Operations, S.L.	06/06/2017	3412574	17382337.8	
3412583	Airbus Defence and Space GmbH	06/06/2017	3412583	17174551.6	
3413566	Comcast Cable Communications LLC	05/06/2018	3413566	18176087.7	
3414425	Proton Technologies Inc.	07/02/2017	3414425	17749852.4	
3415005	LICONIC AG	14/06/2018	3415005	18177679.0	
3415106	IMEC vzw Katholieke Universiteit Leuven VIB VZW	14/06/2017	3415106	17176002.8	

3415649	Saes Smart Materials, Inc. Heraeus Materials Singapore Pte. Ltd. Heraeus Deutschland GmbH & Co. KG Heraeus Medical Components, LLC	14/06/2017	3415649	17175922.8	
3415764	LG Electronics Inc.	13/06/2018	3415764	18177589.1	
3415833	Mitsubishi Electric Corporation	08/02/2016	3415833	16889767.6	
3415929	Nexans	13/06/2017	3415929	17305718.3	
3416091	Capital One Services, LLC	13/06/2018	3416091	18177622.0	
3416677	Genexine, Inc. Handok Inc.	16/02/2017	3416677	17753492.2	
3416680	Virogin Biotech Canada Ltd	18/02/2017	3416680	17754008.5	
3418733	Olympus Scientific Solutions Americas Inc.	20/06/2018	3418733	18178912.4	
3418827	Deere & Company	11/06/2018	3418827	18176994.4	
3418828	Deere & Company	11/06/2018	3418828	18176996.9	
3418859	Ricoh Company, Ltd.	18/06/2018	3418859	18178295.4	
3418912	NEC Corporation	08/06/2017	3418912	17813212.2	
3419721	ISP Investments LLC	27/02/2017	3419721	17757416.7	
3421214	Afros S.P.A.	30/06/2017	3421214	17178969.6	
3421784	Siemens Gamesa Renewable Energy Service GmbH	29/06/2018	3421784	18180694.4	German
3421962	Sensata Technologies, Inc.	21/06/2018	3421962	18179173.2	
3422381	ABB Schweiz AG	29/06/2017	3422381	17178561.1	
3422621	Huawei Technologies Co., Ltd.	14/03/2017	3422621	17765828.3	
3422636	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	11/05/2016	3422636	16901263.0	
3424123	Volvo Truck Corporation	01/03/2016	3424123	16703536.9	
3424896	Zeon Corporation	01/03/2017	3424896	17760086.3	
3425012	FUJIFILM Corporation	27/12/2016	3425012	16892751.5	
3425091	Toray Industries, Inc.	23/10/2015	3425091	18185685.7	
3425544	Accenture Global Solutions Limited	26/06/2018	3425544	18179876.0	
3425769	MediaTek Singapore Pte. Ltd.	28/06/2018	3425769	18180598.7	
3425834	Telechips Inc.	17/02/2017	3425834	17760236.4	
3426478	Wallsten Technology AB	03/03/2017	3426478	17708780.6	
3426872	Julius Blum GmbH	10/03/2017	3426872	17712694.3	German
3427814	Gambro Lundia AB	05/02/2015	3427814	18179492.6	

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3428478	AISIN CORPORATION	21/02/2017	3428478	17762897.1	
3428666	Schneider Electric Industries SAS	07/06/2018	3428666	18176393.9	French
3429042	Tyco Electronics Raychem GmbH	14/07/2017	3429042	17181399.1	
3429177	BlackBerry Limited	29/10/2009	3429177	18181237.1	
3429462	EPiX Therapeutics, Inc.	14/03/2017	3429462	17767316.7	
3429923	Werjefelt, Bertil R.L. Werjefelt, Christian Werjefelt, Alexander, K.	28/02/2017	3429923	17767153.4	
3430390	Genclis	20/03/2017	3430390	17711666.2	
3430518	Microsoft Technology Licensing, LLC	08/03/2017	3430518	17712349.4	
3430688	Stocko Contact GmbH & Co. KG	14/03/2017	3430688	17710899.0	German
3431549	Zeon Corporation	13/03/2017	3431549	17766622.9	
3433528	Pipetronics GmbH&Co. KG	23/03/2017	3433528	17721321.2	German
3435259	Textron Innovations Inc.	24/10/2017	3435259	17198169.9	
3435360	LG Electronics Inc.	04/06/2013	3435360	18195321.7	
3436043	Pham, Peter Angia	30/03/2017	3436043	17776622.7	
3436832	Andreas Hettich GmbH & Co. KG	16/03/2017	3436832	17714403.7	German
3438622	Komatsu Ltd.	25/06/2018	3438622	18761687.5	
3438661	Ascensia Diabetes Care Holdings AG	06/12/2008	3438661	18189664.8	
3438823	NEC Corporation	27/03/2017	3438823	17774848.0	
3439095	NS Co., Ltd.	19/09/2016	3439095	16897181.0	
3439200	NEC Corporation	23/01/2017	3439200	17773544.6	
3439508	Waddington North America, Inc.	05/04/2017	3439508	17779770.1	
3439548	AB Medica S.p.A.	04/04/2017	3439548	17725766.4	
3439671	StellaLife, Inc.	23/03/2017	3439671	17779517.6	
3440324	UFI Filters S.p.A.	06/04/2017	3440324	17722871.5	
3440447	Nanomechanics, Inc.	03/04/2017	3440447	17779590.3	
3441013	Ethicon LLC	09/08/2018	3441013	18188295.2	
3441488	The Boeing Company	07/06/2018	3441488	18176425.9	
3444241	Samsung Display Co., Ltd.	21/05/2018	3444241	18173452.6	
3444393	LG Electronics Inc. Industry - University Cooperation Foundation Hanyang University	13/04/2017	3444393	17782685.6	
3444748	The Boeing Company	26/06/2018	3444748	18179931.3	
3445541	FRANKA EMIKA GmbH	20/04/2017	3445541	17719550.0	
3445910	FiberLean Technologies Limited	21/04/2017	3445910	17731940.7	
3446056	Optimar AS	19/04/2017	3446056	17777396.7	

3446393	Siemens Mobility GmbH	24/05/2017	3446393	17727165.7	German
3447856	Opplé Lighting Co., Ltd.	15/05/2017	3447856	17798693.2	
3448078	Sony Group Corporation	16/08/2018	3448078	18189269.6	
3448639	Ranpak Corp.	06/04/2017	3448639	17717995.9	
3448694	Magnetto Wheels France PSA Automobiles SA	22/03/2017	3448694	17717781.3	French
3448779	Reckitt Benckiser (Brands) Limited	12/04/2017	3448779	17718591.5	
3448913	Solvay Specialty Polymers USA, LLC	28/04/2017	3448913	17721116.6	
3450304	Embraer S.A.	03/09/2018	3450304	18192265.9	
3450738	MRA Systems, LLC	23/08/2018	3450738	18190493.9	
3451092	Fujitsu Limited	26/04/2016	3451092	16900382.9	
3454307	Glory Ltd.	14/06/2017	3454307	17819865.1	
3455261	BioAtla, Inc.	12/05/2017	3455261	17796915.1	
3456096	Nokia Solutions and Networks Oy	12/05/2016	3456096	16722222.3	
3456231	BSH Hausgeräte GmbH	22/08/2018	3456231	18190290.9	German
3457112	Horiba, Ltd.	27/08/2018	3457112	18190875.7	
3457555	KONE Corporation	19/09/2017	3457555	17191775.0	
3458047	Institut Pasteur De Lille Institut National de la Santé et de la Recherche Médicale (INSERM) Université de Lille Centre National de la Recherche Scientifique CNRS	19/05/2017	3458047	17726885.1	
3458136	VALVE MEDICAL LTD.	12/05/2017	3458136	17729192.9	
3459001	Privacy Rating Ltd.	11/05/2017	3459001	17798873.0	
3460060	The Board of Trustees of the Leland Stanford Junior University	26/06/2013	3460060	18184686.6	
3460487	Goodrich Corporation	20/09/2018	3460487	18195734.1	
3461637	Nippon Paper Industries Co., Ltd.	29/09/2017	3461637	17856415.9	
3462102	DAIKIN INDUSTRIES, LTD. Daikin Europe N.V.	28/09/2017	3462102	17193809.5	
3462903	Nutreco IP Assets B.V.	07/06/2017	3462903	17732254.2	
3463439	University of Rochester	02/06/2017	3463439	17740138.7	
3463443	Intervet International B.V.	24/05/2017	3463443	17727843.9	
3463712	HS Products Limited	01/06/2017	3463712	17737344.6	
3463806	Safran	02/06/2017	3463806	17732520.6	French

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3464330	Commissariat à l'Énergie Atomique et aux Énergies Alternatives CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE Université Grenoble Alpes	06/06/2017	3464330	17729091.3	
3464454	DOW GLOBAL TECHNOLOGIES LLC	31/05/2016	3464454	16903432.9	
3464597	Caris Science, Inc.	25/05/2017	3464597	17803629.9	
3465059	FONDITAL S.p.A.	07/06/2017	3465059	17749512.4	
3465066	NEXTER Systems	01/06/2017	3465066	17735182.2	French
3465112	Silios Technologies	30/05/2017	3465112	17742790.3	French
3465650	Coodriver GmbH	06/06/2017	3465650	17736561.6	German
3465822	Nokia Solutions and Networks Oy	10/04/2017	3465822	17716232.8	
3465886	Tesla, Inc.	07/06/2017	3465886	17731032.3	
3465942	QUALCOMM Incorporated	31/05/2017	3465942	17729986.4	
3466190	Telefonaktiebolaget LM Ericsson (PUBL)	02/06/2016	3466190	16727175.8	
3466314	Beijing Xiaomi Mobile Software Co., Ltd. Beijing Rockrobo Technology Co. Ltd.	04/05/2017	3466314	17809590.7	
3466358	Olympus Terumo Biomaterials Corp.	31/05/2016	3466358	16903946.8	
3466449	Fenwal, Inc.	04/10/2018	3466449	18198639.9	
3467024	Dow Global Technologies LLC	09/11/2010	3467024	18181760.2	
3467142	JX Nippon Mining & Metals Corporation	07/06/2017	3467142	17810359.4	
3467530	MultiDimension Technology Co., Ltd.	07/06/2017	3467530	17809718.4	
3467788	Rakuten Group, Inc.	27/05/2016	3467788	16903190.3	
3468015	Mitsubishi Electric Corporation	31/05/2016	3468015	16903963.3	
3468751	Milwaukee Electric Tool Corporation	08/06/2017	3468751	17739380.8	
3468781	Nordex Blade Technology Centre APS	14/06/2016	3468781	16728952.9	
3468794	AGC Glass Europe	31/05/2017	3468794	17727859.5	
3469777	Cylance Inc.	06/06/2017	3469777	17731375.6	
3470153	Sumitomo Electric Hardmetal Corp.	17/02/2017	3470153	17812921.9	
3470796	Neubrex Co., Ltd.	08/06/2016	3470796	16904594.5	
3471479	LG Electronics Inc.	15/06/2018	3471479	18817357.9	
3471630	LSI Solutions, Inc.	16/06/2017	3471630	17814192.5	
3471636	Orthofix S.R.L.	24/05/2017	3471636	17730071.2	

3471662	Corcym S.r.l.	15/06/2016	3471662	16730008.6	
3472115	Owens Corning Intellectual Capital, LLC	15/06/2017	3472115	17732710.3	
3472167	Incyte Corporation	19/06/2017	3472167	17734589.9	
3472476	Georgia-Pacific Gypsum LLC	16/06/2017	3472476	17814151.1	
3472533	Australian Valve Group Pty Ltd	16/06/2017	3472533	17812327.9	
3472633	Unity Semiconductor	01/06/2017	3472633	17730710.5	French
3472697	Alibaba Group Holding Limited	13/06/2017	3472697	17813903.6	
3473322	MANN+HUMMEL GmbH	14/01/2014	3473322	18211070.0	German
3473731	Sequenom, Inc.	21/06/2013	3473731	18205323.1	
3473895	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI	18/10/2018	3473895	18201173.4	
3474211	Advanced New Technologies Co., Ltd.	07/06/2017	3474211	17814598.3	
3474572	xMEMS Labs, Inc.	17/10/2018	3474572	18200895.3	
3475338	PRC-Desoto International, Inc.	28/06/2017	3475338	17740174.2	
3476262	Guangdong Midea Consumer Electrics Manufacturing Co., Ltd. Midea Group Co., Ltd.	29/11/2016	3476262	16919995.7	
3477931	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	23/10/2018	3477931	18202025.5	
3478707	Spiber Technologies AB	29/06/2017	3478707	17736620.0	
3478909	Trine Access Technology, Inc.	13/06/2017	3478909	17820887.2	
3478960	Vestas Wind Systems A/S	29/06/2017	3478960	17735383.6	
3478978	Renault s.a.s	27/06/2017	3478978	17745401.4	French
3479203	Sony Interactive Entertainment Inc.	27/06/2017	3479203	17739424.4	
3479431	Wildcat Discovery Technologies, Inc.	30/06/2017	3479431	17821393.0	
3479861	Löwenstein Medical Technology S.A.	02/11/2018	3479861	18000862.5	German
3481193	Covestro LLC, ET AL. Bayer CropScience LP	03/07/2017	3481193	17739825.2	
3481194	Covestro LLC, ET AL. Bayer CropScience LP Covestro Deutschland AG	03/07/2017	3481194	17739826.0	
3481675	Daimler AG	28/06/2017	3481675	17733967.8	German
3483313	Maschinenfabrik Rieter AG	24/10/2018	3483313	18202190.7	German
3483911	Zhejiang Chint Electrics Co., Ltd.	24/10/2016	3483911	16908015.7	
3484824	Owens-Brockway Glass Container Inc.	22/06/2017	3484824	17735715.9	

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3484984	ExxonMobil Chemical Patents Inc.	14/06/2017	3484984	17732703.8	
3485273	BP Corporation North America Inc.	21/06/2017	3485273	17737106.9	
3485451	Banks and Acquirers International Holding	12/07/2017	3485451	17739269.3	French
3485777	LG Electronics Inc.	20/06/2017	3485777	17843790.1	
3487011	Aptiv Technologies Limited	15/11/2018	3487011	18206606.8	
3487028	Philips IP Ventures B.V.	02/10/2009	3487028	18208495.4	
3487732	TRW Automotive U.S. LLC ZF Friedrichshafen AG ZF CV Systems Europe BV	16/05/2017	3487732	17724341.7	German
3487821	AGC Glass Europe	18/07/2017	3487821	17754268.5	
3488832	Mitsui Chemicals, Inc.	21/06/2017	3488832	17830778.1	
3490152	MEDIATEK INC.	24/10/2018	3490152	18202441.4	
3490717	The Regents of the University of California	27/09/2017	3490717	17857322.6	
3493590	ZTE Corporation	19/07/2017	3493590	17833475.1	
3493677	Bayer CropScience Aktiengesellschaft	03/08/2017	3493677	17745196.0	German
3494988	Takeda Pharmaceutical Company Limited	21/11/2014	3494988	18205998.0	
3495793	FCA Italy S.p.A.	07/12/2017	3495793	17425123.1	
3496579	WMF GmbH	15/02/2018	3496579	18706466.2	German
3496583	Whole Bath, LLC	11/08/2017	3496583	17840386.1	
3497090	Laurus Labs Limited	09/08/2017	3497090	17838897.1	
3497283	WestRock MWV, LLC	04/08/2017	3497283	17751579.8	
3497736	Microsoft Technology Licensing, LLC	10/08/2017	3497736	17754581.1	
3497984	Alcatel Lucent Nokia Solutions and Networks Oy	27/07/2017	3497984	17781171.8	
3497990	Huawei Technologies Co., Ltd.	23/08/2016	3497990	16757627.1	
3498860	Sekisui Medical Co., Ltd.	10/08/2017	3498860	17839595.0	
3499097	Illinois Tool Works, Inc.	10/12/2018	3499097	18211219.3	
3500486	Thales Canada Inc.	25/01/2018	3500486	18747854.0	
3500521	Ahuratech LLC	15/06/2017	3500521	17841791.1	
3500887	Microsoft Technology Licensing, LLC	11/08/2017	3500887	17754990.4	
3501056	HyAxiom, Inc.	17/08/2017	3501056	17844163.0	
3501759	Omron Corporation	17/10/2018	3501759	18200902.7	
3501862	Snap-on Equipment Srl a unico socio	12/12/2014	3501862	19150698.9	

3502880	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	07/11/2018	3502880	18204900.7	
3503688	Hoffmann, Helge Tobuschat, Hans Ulrich	20/12/2018	3503688	18214479.0	German
3503973	Accuray Incorporated	25/08/2017	3503973	17777412.2	
3504086	Shape Corp.	25/08/2017	3504086	17843046.8	
3504087	England, John	21/08/2017	3504087	17761556.4	
3504653	Beckman Coulter, Inc.	29/08/2017	3504653	17765515.6	
3504703	Alibaba Group Holding Limited	24/08/2017	3504703	17844451.9	
3505180	Allergan Pharmaceuticals International Limited	27/09/2012	3505180	19155435.1	
3505201	Terumo Kabushiki Kaisha	22/08/2017	3505201	17843557.4	
3505235	VEEGOO TECHNOLOGY CO., LTD.	22/08/2017	3505235	17842899.1	
3505311	LG Electronics Inc.	24/08/2017	3505311	17843972.5	
3505344	Mitsui Chemicals, Inc.	25/08/2017	3505344	17843746.3	
3505632	Sanofi Vaccine Technologies, S.A.S.	28/12/2010	3505632	18205786.9	
3505949	Avantix	19/12/2018	3505949	18214066.5	French
3506136	BlackBerry Limited	19/12/2018	3506136	18214100.2	
3506293	Ethicon LLC	11/09/2018	3506293	18193674.1	
3506432	Panasonic Intellectual Property Management Co., Ltd.	20/12/2018	3506432	18214405.5	
3506837	Lexion Medical, LLC	29/08/2017	3506837	17847350.0	
3508787	Eberspächer Climate Control Systems GmbH	17/12/2018	3508787	18212830.6	German
3508845	The Boeing Company	10/05/2013	3508845	19159200.5	
3508892	Panasonic Intellectual Property Management Co., Ltd.	16/06/2017	3508892	17845837.8	
3509082	Dongguan City Kaihua Electronics Co., Ltd	26/09/2017	3509082	17845572.1	
3509664	St. Jude Medical, Cardiology Division, Inc.	09/10/2017	3509664	17866455.3	
3509887	Scania CV AB	11/08/2017	3509887	17849195.7	
3510106	Indigo Mill Designs LLC	12/09/2017	3510106	17849754.1	
3510277	Siemens Gamesa Renewable Energy A/S	17/10/2017	3510277	17791637.6	
3510453	Samson Aktiengesellschaft	06/09/2017	3510453	17771355.9	German



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3510718	Samsung Electronics Co., Ltd.	22/11/2017	3510718	17873506.4	
3511269	Daifuku Co., Ltd.	10/01/2019	3511269	19151277.1	
3511573	Dab Pumps S.p.A.	08/01/2019	3511573	19150747.4	
3511574	Dab Pumps S.p.A.	09/01/2019	3511574	19151033.8	
3511799	Nokia Technologies Oy	16/01/2018	3511799	18151939.8	
3512870	Olipass Corporation	24/05/2017	3512870	17850354.6	
3514147	University of Maryland, Baltimore	04/04/2014	3514147	19161938.6	
3514154	Eisai R&D Management Co., Ltd.	13/05/2015	3514154	18210019.8	
3514308	Brose Fahrzeugteile SE & Co. Kommanditgesellschaft, Bamberg	09/01/2019	3514308	19150973.6	German
3514525	Raytheon Technologies Corporation	16/01/2019	3514525	19152104.6	
3515164	Fuji Corporation	15/09/2016	3515164	16916234.4	
3515332	KLSMC Instruments, LLC	26/09/2017	3515332	17854136.3	
3515801	SOLARISFLOAT, LDA.	25/09/2017	3515801	17791145.0	
3515806	Johnson Outdoors Inc.	20/09/2017	3515806	17853785.8	
3516241	hofer powertrain innovation GmbH	26/09/2017	3516241	17777240.7	German
3516648	Samsung Electronics Co., Ltd.	08/06/2017	3516648	17872931.5	
3517267	Air Power Group S.p.A.	26/01/2019	3517267	19153852.9	
3518251	Murata Manufacturing Co., Ltd.	08/09/2017	3518251	17852859.2	
3518446	Huawei Technologies Co., Ltd.	28/09/2017	3518446	17854958.0	
3521113	Sumitomo Rubber Industries, Ltd.	11/01/2012	3521113	19159236.9	
3521115	NTN Corporation	25/09/2017	3521115	17856038.9	
3521277	AGC INC.	23/03/2016	3521277	19158520.7	
3521592	Rolls-Royce plc	03/01/2019	3521592	19150232.7	
3521814	Rigaku Corporation	31/08/2017	3521814	17855566.0	
3521891	FUJIFILM Corporation	12/09/2017	3521891	17855713.8	
3522084	Yokogawa Electric Corporation	30/01/2019	3522084	19154583.9	
3522109	IMAX CORPORATION	20/07/2012	3522109	19154057.4	
3523142	Bridgestone Corporation Bridgestone Americas Tire Operations, LLC	05/10/2017	3523142	17859154.1	
3523818	Thermo Finnigan LLC	05/10/2017	3523818	17791229.2	
3523968	InterDigital Madison Patent Holdings, SAS	25/09/2017	3523968	17772060.4	
3523970	Dolby Laboratories Licensing Corporation	03/10/2017	3523970	17787084.7	

3526274	EPC Engineering & Technologies GmbH	12/10/2017	3526274	17791969.3	German
3526737	UATC, LLC	12/10/2017	3526737	17862728.7	
3526827	Milwaukee Electric Tool Corporation	14/10/2016	3526827	16918594.9	
3527908	Daikin Industries, Ltd.	14/11/2017	3527908	17871080.2	
3527986	Sumitomo Rubber Industries, Ltd. Yamagata University Osaka University	25/01/2019	3527986	19153680.4	
3528078	HERE Global B.V.	12/02/2019	3528078	19156776.7	
3528475	Aktiebolaget SKF	11/02/2019	3528475	19156521.7	
3528918	Micropore, Inc.	20/10/2017	3528918	17862469.8	
3529498	Nuovo Pignone Tecnologie S.r.l.	18/10/2017	3529498	17792006.3	
3529613	Entia Limited	10/10/2017	3529613	17787540.8	
3530389	CERATIZIT Balzheim GmbH & Co. KG	21/02/2018	3530389	18157831.1	German
3530573	Packsized LLC	24/09/2015	3530573	19168870.4	
3530628	AGC INC.	17/10/2017	3530628	17862004.3	
3531571	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	13/12/2016	3531571	16923649.4	
3532273	Covestro (Netherlands) B.V.	30/10/2017	3532273	17797287.4	
3532387	Kitty Hawk Corporation	18/10/2017	3532387	17863880.5	
3532453	Shell Internationale Research Maatschappij B.V.	25/10/2017	3532453	17797093.6	
3532514	Bridgestone Corporation	31/10/2017	3532514	17866021.3	
3533342	Ambiente e Nutrizione S.r.l.	26/02/2019	3533342	19159252.6	
3534476	Kaiser GmbH & Co. KG	01/03/2019	3534476	19160350.5	German
3534903	Arbutus Biopharma Corporation	03/11/2017	3534903	17867768.8	
3535954	IPCom GmbH & Co. KG	03/11/2017	3535954	17797300.5	
3536333	Mapi Pharma Limited	19/08/2010	3536333	18205308.2	
3536541	LG Energy Solution, Ltd.	19/06/2018	3536541	18835042.5	
3536998	Hamilton Sundstrand Corporation	05/03/2018	3536998	18461527.6	
3537131	AIP GmbH & Co. KG	06/03/2019	3537131	19161149.0	German
3537677	Sharp Kabushiki Kaisha FG INNOVATION COMPANY LIMITED	02/11/2017	3537677	17867703.5	
3537927	Koninklijke Philips N.V.	07/11/2017	3537927	17792102.0	

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3538033	Medtronic Vascular Inc.	09/11/2017	3538033	17805352.6	
3539047	Google LLC	14/11/2017	3539047	17805085.2	
3539069	Microsoft Technology Licensing, LLC	02/01/2018	3539069	18700957.6	
3539237	Telefonaktiebolaget LM Ericsson (publ)	10/11/2017	3539237	17809025.4	
3539288	CJ CGV Co., Ltd.	23/03/2017	3539288	17880461.3	
3539303	Eartex Limited	10/11/2017	3539303	17798299.8	
3539440	Vestel Elektronik Sanayi ve Ticaret A.S.	15/03/2018	3539440	18161972.7	
3539665	Eppendorf SE	22/03/2018	3539665	18163436.1	German
3540830	LG Energy Solution, Ltd.	27/06/2018	3540830	18822950.4	
3541080	Vestel Elektronik Sanayi ve Ticaret A.S.	15/03/2018	3541080	18161948.7	
3542103	Honeywell International Inc.	11/10/2017	3542103	17871566.0	
3542298	Google LLC	14/12/2017	3542298	17823327.6	
3542923	Roser Technologies, Inc.	21/03/2019	3542923	19164328.7	
3543409	Hitachi Construction Machinery Co., Ltd.	25/10/2017	3543409	17872076.9	
3544480	Digital Endoscopy GmbH	21/11/2017	3544480	17803895.6	
3544783	Fill Gesellschaft m.b.H.	24/11/2017	3544783	17822118.0	German
3544814	Borealis AG	16/11/2017	3544814	17797374.0	
3544880	Bayerische Motoren Werke Aktiengesellschaft	24/11/2017	3544880	17811876.6	German
3545419	Amazon Technologies, Inc.	21/11/2017	3545419	17822087.7	
3546090	Valme S.r.l. - Unico Socio	26/03/2019	3546090	19165271.8	
3546100	Widi HDC, S.L.U.	27/07/2018	3546100	18186041.2	
3546159	The Gillette Company LLC	28/03/2019	3546159	19165811.1	
3546291	Valeo Vision	22/03/2019	3546291	19164742.9	French
3546807	Hamilton Sundstrand Corporation	29/01/2019	3546807	19154255.4	
3547796	Lintec of America, Inc. Lintec Corporation	28/11/2017	3547796	17873355.6	
3548523	Covestro Deutschland AG	04/12/2017	3548523	17811532.5	German
3548963	Rockley Photonics Limited	01/12/2017	3548963	17808077.6	
3549219	Innogy SE	22/11/2017	3549219	17801460.1	German
3549312	Telefonaktiebolaget LM Ericsson (publ)	29/11/2016	3549312	16816000.0	
3549440	Cixi Xiang Yang Fishing Equipment Co., LTD.	19/05/2018	3549440	18173382.5	

3549855	Industry-University Cooperation Foundation Korea Aerospace University	20/11/2017	3549855	17893081.4	
3550606	Toppan Printing Co., Ltd.	04/12/2017	3550606	17877628.2	
3551031	Intuitive Surgical Operations, Inc.	08/12/2017	3551031	17877533.4	
3551729	ExxonMobil Technology and Engineering Company	09/11/2017	3551729	17809096.5	
3552284	Guardiar Europe BVBA	12/12/2016	3552284	16819672.3	
3552337	Samsung Electronics Co., Ltd.	15/06/2018	3552337	18742868.5	
3553206	Obshchestvo s Ogranichennoy Otvetstvennost'yu "Obedinennaya Kompaniya Rusal Inzhenerno- Tekhnologicheskij Tsentr"	15/06/2017	3553206	17913286.5	
3553427	LG ELECTRONICS INC.	24/01/2018	3553427	19178688.8	
3554623	Surmodics, Inc.	13/12/2017	3554623	17822977.9	
3554739	General Electric Company	16/10/2017	3554739	17791845.5	
3554881	UJET S.A.	14/12/2017	3554881	17823073.6	German
3555055	Merck Sharp & Dohme LLC	11/12/2017	3555055	17880145.2	
3555516	Monsanto Technology LLC	13/12/2017	3555516	17881015.6	
3555614	Dynisco Instruments Llc	11/12/2017	3555614	17882083.3	
3555693	Samsung Electronics Co., Ltd.	29/12/2017	3555693	17886621.6	
3556196	CNH Industrial Belgium NV	17/04/2018	3556196	18167835.0	
3557360	Kubota Corporation	29/11/2017	3557360	17882393.6	
3557471	ARM Limited	20/04/2018	3557471	18386008.9	
3557814	FUJITSU LIMITED	27/03/2019	3557814	19165431.8	
3558446	NeuroMetrix, Inc.	22/12/2017	3558446	17884360.3	
3558680	Bobst (Shanghai) Ltd	19/12/2017	3558680	17882970.1	
3558687	Hewlett-Packard Development Company, L.P.	24/04/2017	3558687	17907592.4	
3558881	Magic Leap, Inc.	21/12/2017	3558881	17883235.8	
3559158	Shell Internationale Research Maatschappij B.V.	21/12/2017	3559158	17821634.7	
3559307	Picosun Oy	08/02/2017	3559307	17895903.7	
3559622	Piezocryst Advanced Sensorics GmbH	06/11/2017	3559622	17793956.8	German
3560422	PACESETTER, INC.	25/04/2019	3560422	19170985.6	
3560528	Lazic Besitz GmbH & Co. KG	25/04/2018	3560528	18169257.5	German
3561067	Daicel Corporation	26/12/2017	3561067	17889029.9	
3561104	Posco	21/12/2017	3561104	17884432.0	

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3562562	MSA Technology, LLC	15/12/2017	3562562	17829408.8	
3562807	Corteva Agriscience LLC	22/12/2017	3562807	17885653.0	
3563117	Robert Bosch GmbH	28/12/2017	3563117	17832508.0	German
3563792	Intuitive Surgical Operations, Inc.	17/03/2015	3563792	19181058.9	
3564074	TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.	09/04/2019	3564074	19168057.8	
3564151	Mitsubishi Chemical Corporation	22/12/2017	3564151	17885591.2	
3564239	Ariagen, Inc.	22/12/2017	3564239	17885769.4	
3564289	NIPPON STEEL Chemical & Material Co., Ltd.	04/12/2017	3564289	17886805.5	
3564383	Samyang Corporation	29/12/2017	3564383	17886404.7	
3564528	Eagle Industry Co., Ltd.	27/12/2017	3564528	17889148.7	
3564565	Tyco Electronics UK Ltd	02/05/2018	3564565	18170422.2	
3564632	Ishida Co., Ltd.	07/12/2017	3564632	17885889.0	
3565148	Huawei Technologies Co., Ltd.	28/12/2017	3565148	17886707.3	
3565721	Hewlett-Packard Development Company, L.P.	05/04/2017	3565721	17904373.2	
3566144	Bluebeam, Inc.	09/01/2018	3566144	18736350.2	
3566915	Nio Co., Ltd.	04/01/2018	3566915	18736749.5	
3567025	Blanchette Rockefeller Neurosciences Institute	20/10/2014	3567025	19164672.8	
3567064	RAMPF Holding GmbH & Co. KG	08/05/2019	3567064	19173332.8	
3567218	Raytheon Technologies Corporation	01/05/2019	3567218	19172115.8	
3567501	Kyocera Document Solutions Inc.	07/12/2017	3567501	17890049.4	
3567616	Zollner Elektronik AG	09/05/2019	3567616	19173425.0	German
3567827	Huawei Technologies Co., Ltd.	07/06/2017	3567827	17892832.1	
3567928	Honor Device Co., Ltd.	04/01/2018	3567928	18736532.5	
3568272	Flooring Industries Limited, SARL	08/01/2018	3568272	18704589.3	
3568305	Hewlett-Packard Development Company, L.P.	14/04/2017	3568305	17905303.8	
3568350	Johnson Outdoors Inc.	11/01/2018	3568350	18739164.4	
3568740	Microsoft Technology Licensing, LLC	29/12/2017	3568740	17833072.6	
3568784	Hyprfire Pty Ltd	15/01/2018	3568784	18738965.5	
3569126	LG Electronics Inc.	12/01/2018	3569126	18739270.9	
3569338	Klingelberg GmbH	13/05/2019	3569338	19000226.1	German
3569367	Siemens Aktiengesellschaft	17/05/2018	3569367	18172937.7	German

3569630	Evonik Operations GmbH	17/05/2018	3569630	18172954.2	German
3569757	BSH Hausgeräte GmbH	18/04/2019	3569757	19170200.0	German
3569781	Strohecker, Guido Romanus	21/02/2019	3569781	19158627.0	German
3569944	Daikin Industries, Ltd.	22/12/2017	3569944	17891222.6	
3569996	Yokogawa Electric Corporation Yokogawa Test & Measurement Corporation	23/04/2019	3569996	19170447.7	
3570080	FUJIFILM Corporation	21/09/2017	3570080	17891362.0	
3570196	Nippon Telegraph and Telephone Corporation	22/09/2017	3570196	17896598.4	
3570341	Changchun Institute Of Applied Chemistry Chinese Academy Of Sciences	18/08/2017	3570341	17891345.5	
3570720	Hoya Corporation	17/01/2018	3570720	18702557.2	German
3571118	University of Pretoria	18/01/2018	3571118	18702335.3	
3571364	C&D Zodiac, Inc.	23/01/2018	3571364	18742302.5	
3571831	Hewlett-Packard Development Company, L.P.	17/01/2017	3571831	17892578.0	
3572346	Haemonetics Corporation	16/06/2014	3572346	19167610.5	
3573241	The Swatch Group Research and Development Ltd	24/05/2018	3573241	18174100.0	French
3573328	Hangzhou Hikmicro Sensing Technology Co., Ltd.	15/01/2018	3573328	18742186.2	
3573468	Bunge Loders Croklaan B.V.	29/01/2018	3573468	18701756.1	
3573554	Apyx Medical Corporation	26/01/2018	3573554	18744300.7	
3574289	Optics11 FAZ Limited	23/01/2018	3574289	18704437.5	
3574341	Massachusetts Institute Of Technology	29/01/2018	3574341	18744920.2	
3574668	Telefonaktiebolaget LM Ericsson (PUBL)	08/12/2017	3574668	17811572.1	
3575266	LG Chem, Ltd.	07/09/2018	3575266	18854726.9	
3575623	Nabeya Bi-Tech Kabushiki Kaisha	27/01/2017	3575623	17894475.7	
3575929	Tobii AB	31/05/2019	3575929	19177632.7	
3575940	Vivo Mobile Communication Co., Ltd.	29/12/2017	3575940	17893701.7	
3576069	Aptiv Technologies Limited	30/05/2018	3576069	18175202.3	
3577645	Google LLC	06/06/2018	3577645	18737063.0	
3577741	ebm-papst Mulfingen GmbH & Co. KG	16/03/2018	3577741	18712180.1	German
3578043	Bühler AG	05/06/2018	3578043	18175908.5	

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3578341	CL Schutzrechtsverwaltungs GmbH	07/06/2018	3578341	18176619.7	
3578505	Gruber, Günther	12/04/2019	3578505	19000181.8	German
3579028	Commissariat à l'Energie Atomique et aux Energies Alternatives	04/06/2019	3579028	19178271.3	French
3579232	Sony Group Corporation	22/01/2018	3579232	18748718.6	
3579709	Nicoventures Trading Limited	30/01/2018	3579709	18703824.5	
3581128	Ethicon LLC	14/06/2019	3581128	19180293.3	
3581635	INDIAN OIL CORPORATION Ltd.	14/06/2019	3581635	19180379.0	
3581811	Illinois Tool Works, Inc.	11/06/2019	3581811	19179338.9	German
3581979	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	12/06/2019	3581979	19179661.4	
3582006	Arisawa Mfg. Co., Ltd.	06/02/2018	3582006	18751077.1	
3582026	Ricoh Company, Ltd.	26/11/2012	3582026	19189730.5	
3582125	ABB Schweiz AG	11/06/2018	3582125	18177123.9	
3582361	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	04/04/2018	3582361	18780892.8	
3582510	Beijing Xiaoniao Tingting Technology Co., Ltd	12/06/2019	3582510	19179698.6	
3583097	Rohm And Haas Electronic Materials Korea Ltd.	14/02/2018	3583097	18754517.3	
3583366	Siemens Energy Global GmbH & Co. KG	30/04/2018	3583366	18726068.2	German
3584197	TGW Logistics Group GmbH	19/02/2016	3584197	19184795.3	German
3584240	Shin-Etsu Chemical Co., Ltd. International Business Machines Corporation	05/06/2019	3584240	19178431.3	
3584351	Universal Display Corporation	14/06/2019	3584351	19180315.4	
3584354	Ge-Hitachi Nuclear Energy Americas LLC	04/10/2012	3584354	19177755.6	
3585134	Mahle International GmbH	18/06/2018	3585134	18178214.5	
3585154	Zoetis Services LLC	21/02/2018	3585154	18708834.9	
3585930	BSH Hausgeräte GmbH	09/02/2018	3585930	18705863.1	German
3586430	SEW-EURODRIVE GmbH & Co. KG	13/02/2018	3586430	18705546.2	German
3586604	Kuhn-Audureau SAS	17/06/2019	3586604	19180546.4	French
3586931	Völkl Sports GmbH	28/06/2018	3586931	18180457.6	German

3587012	Cerazit Luxembourg Sàrl	21/06/2018	3587012	18179044.5	
3587194	Aptiv Technologies Limited	27/06/2019	3587194	19182798.9	
3587204	KNORR-BREMSE Systeme für Schienenfahrzeuge GmbH	29/06/2018	3587204	18180981.5	
3587310	Dale Holdings (Pty) Ltd	21/06/2019	3587310	19181639.6	
3587464	Mitsui Chemicals, Inc.	21/02/2018	3587464	18757926.3	
3587471	Univerza v Ljubljani Kemijski Institut	27/06/2018	3587471	18180251.3	
3587569	Danisco US Inc.	20/03/2015	3587569	19177372.0	
3587686	PCP Corporation A/S	20/06/2019	3587686	19181465.6	
3587824	HIDRIA d.o.o.	27/06/2018	3587824	18180242.2	
3587845	Sikorsky Aircraft Corporation	27/06/2019	3587845	19182757.5	
3588086	Ascensia Diabetes Care Holdings AG	13/03/2013	3588086	19191926.5	
3588267	Hitachi, Ltd.	22/03/2019	3588267	19164580.3	
3588434	Henkel IP & Holding GmbH	07/06/2019	3588434	19178951.0	
3588500	Panasonic Intellectual Property Management Co., Ltd.	07/02/2018	3588500	18758430.5	
3588884	LG Electronics Inc.	21/02/2017	3588884	17897579.3	
3589286	ASLAN Pharmaceuticals Pte Ltd	01/03/2018	3589286	18717448.7	
3589483	GERFLOR	25/04/2018	3589483	18718843.8	French
3589839	Wobben Properties GmbH	26/02/2018	3589839	18707704.5	German
3590219	Apple Inc.	04/05/2018	3590219	18731927.2	
3590381	Samsonite IP Holdings S.à r.l.	05/07/2018	3590381	18182059.8	
3590923	Zeon Corporation	22/02/2018	3590923	18760244.6	
3591047	Baylor College of Medicine	08/02/2013	3591047	19178235.8	
3592066	LG Electronics Inc.	28/02/2018	3592066	18761252.8	
3592143	Amazonen-Werke H. Dreyer SE & Co. KG HYDAC Systems & Services GmbH	07/03/2018	3592143	18710414.6	German
3592509	ABB Schweiz AG	10/03/2017	3592509	17711110.1	
3592629	Renault s.a.s	08/03/2018	3592629	18712973.9	French
3592880	Sandvik Intellectual Property AB	07/03/2018	3592880	18716511.3	
3593226	Brainlab AG	10/03/2017	3593226	17711594.6	
3594091	Renault s.a.s	17/06/2019	3594091	19180462.4	French
3594222	Novo Nordisk Health Care AG	01/12/2004	3594222	19186952.8	
3594476	Rolls-Royce plc	25/06/2019	3594476	19182240.2	



3594792	Vestel Beyaz Esya Sanayi ve Ticaret A.S.	04/07/2019	3594792	19184287.1	
3594976	Schneider Electric Industries SAS	03/06/2019	3594976	19177974.3	French
3595073	Envision AESC Japan Ltd. Renault s.a.s	07/03/2017	3595073	17899958.7	
3595262	Telia Company AB	27/06/2019	3595262	19182828.4	
3595854	Robert Bosch GmbH	09/03/2018	3595854	18711506.8	German
3595924	Robert Bosch GmbH	09/03/2018	3595924	18710050.8	German
3596155	Merck Patent GmbH	14/03/2018	3596155	18711315.4	
3596362	Voith Patent GmbH	01/03/2018	3596362	18709513.8	German
3596888	Advanced New Technologies Co., Ltd.	18/03/2019	3596888	19725896.5	
3597146	J. Morita MFG. Corp.	09/03/2018	3597146	18768570.6	
3597323	Sumitomo Heavy Industries, Ltd.	06/02/2018	3597323	18766585.6	
3597488	Magna Seating (Germany) GmbH	18/06/2019	3597488	19180869.0	German
3597512	Nippon Steel Corporation	15/03/2017	3597512	17901014.5	
3597705	Sumitomo Seika Chemicals Co., Ltd.	13/03/2018	3597705	18767209.2	
3599316	Raico Bautechnik GmbH	18/07/2019	3599316	19186994.0	German
3599742	Nicira Inc.	26/08/2016	3599742	19197370.0	
3599925	NIKE Innovate C.V.	22/03/2018	3599925	18716808.3	
3600144	Invent Medic Sweden AB	11/04/2019	3600144	19720062.9	
3600525	École Polytechnique Fédérale de Lausanne (EPFL)	31/03/2017	3600525	17717100.6	
3600585	KMA Concepts Limited	21/03/2018	3600585	18770732.8	
3601040	Telefonaktiebolaget LM Ericsson (PUBL)	12/06/2017	3601040	17737873.4	
3601598	University of Washington	23/03/2018	3601598	18772308.5	
3601804	Johnson Controls Tyco IP Holdings LLP	23/03/2018	3601804	18716854.7	
3602013	SPCM SA	21/02/2018	3602013	18709682.1	French
3602110	Photonic Vision Limited	21/03/2018	3602110	18719236.4	
3602134	Mirion Technologies (Canberra Olen) NV	20/03/2017	3602134	17715329.3	
3602277	Intel Corporation	01/07/2017	3602277	17901884.1	
3603278	Telefonaktiebolaget LM Ericsson (publ)	27/03/2017	3603278	17714684.2	
3603504	DePuy Ireland Unlimited Company	10/03/2010	3603504	19198317.0	
3603697	Asahi Kasei Medical Co., Ltd.	21/02/2018	3603697	18778072.1	

3604138	Beijing Aeronautical Science & Technology Research Institute, Commercial Aircraft Corporation of China Commercial Aircraft Corporation Of China, Ltd.	24/11/2017	3604138	17902039.1	
3604287	Koei Chemical Company, Limited	29/03/2018	3604287	18774615.1	
3604970	Mitsubishi Electric Corporation	23/03/2018	3604970	18775602.8	
3605639	BOE Technology Group Co., Ltd.	14/09/2017	3605639	17847790.7	
3605967	xFusion Digital Technologies Co., Ltd.	30/05/2018	3605967	18837449.0	
3606125	Sony Group Corporation	05/01/2018	3606125	18772491.9	
3606217	NTT DoCoMo, Inc.	20/03/2018	3606217	18770546.2	
3606495	Organicare, LLC	04/04/2018	3606495	18721461.4	
3607139	Stora Enso Oyj	28/03/2018	3607139	18781686.3	
3607352	Thales	04/04/2018	3607352	18713996.9	French
3607821	EyePoint Pharmaceuticals, Inc.	14/03/2014	3607821	19174479.6	
3608161	Jamco Corporation	18/12/2017	3608161	17904531.5	
3608168	Jamco Corporation	18/12/2017	3608168	17904458.1	
3610309	Commissariat à l'Énergie Atomique et aux Énergies Alternatives	16/05/2018	3610309	18735357.8	French
3610688	Samsung Electronics Co., Ltd.	11/05/2018	3610688	18802688.4	
3611011	NIKE Innovate C.V.	22/04/2015	3611011	19195043.5	
3611059	Illinois Tool Works, Inc.	16/08/2019	3611059	19192120.4	
3611508	SK Telecom Co., Ltd.	08/05/2018	3611508	18802686.8	
3612016	Kuhn SAS	17/04/2018	3612016	18719985.6	French
3612073	Techtronic Floor Care Technology Limited	17/04/2018	3612073	18721098.4	
3612844	Diagnostica Stago	10/04/2018	3612844	18725268.9	French
3613683	Kematec Kellereitechnik GmbH	22/08/2018	3613683	18190332.9	German
3613720	Dow Toray Co., Ltd. Dow Silicones Corporation	09/04/2018	3613720	18787341.9	
3614162	Bruker BioSpin GmbH	13/08/2019	3614162	19191500.8	German
3614277	Nant Holdings IP LLC	24/05/2013	3614277	19203605.1	
3614500	Tyco Electronics Raychem GmbH	21/08/2018	3614500	18189950.1	
3615944	Cambridge Enterprise Ltd.	24/04/2018	3615944	18722147.8	
3616495	Seppi M. spa-AG	02/09/2019	3616495	19194840.5	German
3617571	BSH Hausgeräte GmbH	07/08/2019	3617571	19190443.2	

3619009	BIC Violex Single Member S.A.	04/05/2018	3619009	18724175.7	
3619829	Telefonaktiebolaget LM Ericsson (publ)	04/05/2018	3619829	18727880.9	
3619875	SHARP Kabushiki Kaisha	01/05/2018	3619875	18728273.6	
	FG INNOVATION COMPANY LIMITED				
3620835	Fabris, Valcir	27/04/2018	3620835	18793749.5	
	Vicente, Luis Carlos				
3622351	MacDermid Graphics Solutions, LLC	08/05/2018	3622351	18798562.7	
3622435	Advanced New Technologies Co., Ltd.	08/06/2018	3622435	18735117.6	
3622439	Google LLC	15/09/2018	3622439	18842594.6	
3622661	Microsoft Technology Licensing, LLC	12/04/2018	3622661	18721920.9	
3623129	REbuild Sp. z o.o.	26/06/2019	3623129	19182547.0	
3623598	Marelli Corporation	08/05/2018	3623598	18798287.1	
3624435	SZ DJI Technology Co., Ltd.	23/11/2017	3624435	17927075.6	
3624490	Samsung Electronics Co., Ltd.	12/06/2018	3624490	18818882.5	
3624934	Omni Solutions LLC	01/06/2018	3624934	18810175.2	
3625668	Google LLC	13/06/2017	3625668	17734568.3	
3626848	Cerazit Austria Gesellschaft m.b.H.	19/09/2018	3626848	18195323.3	German
3626973	PFEIFFER VACUUM GMBH	12/08/2019	3626973	19191304.5	German
3627004	FTE automotive GmbH	16/09/2019	3627004	19197446.8	
3627187	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	18/09/2018	3627187	18195247.4	
3627886	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	09/06/2017	3627886	17912877.2	
3627916	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	28/08/2017	3627916	17923758.1	
3628574	IVECO MAGIRUS AG	25/09/2019	3628574	19199695.8	
3628945	BSH Hausgeräte GmbH	27/08/2019	3628945	19193786.1	German
3629055	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	30/08/2019	3629055	19194567.4	
3630206	Koninklijke Philips N.V.	17/05/2018	3630206	18727721.5	
3630613	Smiths Heimann GmbH	25/05/2018	3630613	18727783.5	German
3631186	Robert Bosch GmbH	22/05/2018	3631186	18726964.2	German
3631622	Microsoft Technology Licensing, LLC	24/04/2018	3631622	18723295.4	

3631948	Equipmake Ltd AIM Co. Ltd.	22/05/2018	3631948	18727406.3	
3633269	Raytheon Technologies Corporation	02/10/2019	3633269	19201037.9	
3633485	Kawasaki Jukogyo Kabushiki Kaisha	16/05/2018	3633485	18810070.5	
3633885	JVCKenwood Corporation	19/02/2018	3633885	18809005.4	
3634680	Illinois Tool Works Inc.	11/06/2018	3634680	18735131.7	
3634772	Dansk Retursystem A/S	07/06/2018	3634772	18732246.6	
3634775	Compagnie Générale des Etablissements Michelin	07/06/2018	3634775	18736995.4	French
3635234	Raytheon Company	20/02/2018	3635234	18711441.8	
3635343	Renishaw PLC	15/05/2018	3635343	18724985.9	
3635437	Robert Bosch GmbH	09/05/2018	3635437	18723818.3	German
3635857	Tesla, Inc.	04/06/2018	3635857	18733485.9	
3635999	Telefonaktiebolaget LM Ericsson (PUBL)	09/06/2017	3635999	17912901.0	
3636019	Telefonaktiebolaget LM Ericsson (publ)	08/06/2017	3636019	17729452.7	
3636241	Paolo Gobbi Frattini S.r.l.	02/10/2019	3636241	19201006.4	
3636786	UACJ Corporation UACJ Extrusion Corporation	28/05/2018	3636786	18813774.9	
3637086	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	30/09/2019	3637086	19200323.4	German
3638058	Philip Morris Products S.A.	13/06/2018	3638058	18729982.1	
3638550	Romoline AS	15/06/2018	3638550	18818401.4	
3638931	Stemco Products, Inc.	05/06/2018	3638931	18817781.0	
3639002	Pirelli Tyre S.p.A.	04/06/2018	3639002	18735725.6	
3639050	DRB S.R.L. Politecnico di Milano	13/06/2018	3639050	18735413.9	
3639574	Panasonic Intellectual Property Corporation of America	19/04/2018	3639574	18817570.7	
3639696	Red City Kitchens Ltd	17/10/2019	3639696	19203922.0	
3639856	Novel Pharma Inc.	20/06/2018	3639856	18862614.7	
3640018	MEGA PLAST Industrial - Exporting S.A.	03/09/2010	3640018	19171700.8	
3640041	Flooring Industries Limited, SARL	18/11/2009	3640041	19215596.8	
3640712	Essilor International	16/10/2018	3640712	18306358.5	

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3640929	Shenzhen China Star Optoelectronics Semiconductor Display Technology Co., Ltd.	30/11/2017	3640929	17906947.1	
3641002	Wuhan China Star Optoelectronics Technology Co., Ltd.	22/06/2017	3641002	17909126.9	
3641135	NXP USA, Inc.	17/10/2018	3641135	18306359.3	
3641239	III Holdings 2, LLC	08/02/2007	3641239	19187786.9	
3641342	LG Display Co., Ltd.	27/06/2019	3641342	19213251.2	
3641398	Huawei Technologies Co., Ltd.	11/08/2017	3641398	17920782.4	
3641520	Fuji Corporation	14/06/2017	3641520	17913661.9	
3641661	i360medical Ltd.	19/06/2018	3641661	18821449.8	
3641786	New England Biolabs, Inc.	12/06/2018	3641786	18735153.1	
3642003	Compagnie Générale des Etablissements Michelin	21/06/2018	3642003	18749440.6	French
3642055	Compagnie Générale des Etablissements Michelin	01/06/2018	3642055	18735657.1	French
3642354	Bio-Rad Laboratories, Inc.	20/06/2018	3642354	18820683.3	
3642370	L'AIR LIQUIDE, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude	21/06/2018	3642370	18731135.2	
3642564	Trimble AB	21/06/2017	3642564	17732098.3	
3644080	Melexis Bulgaria Ltd.	23/10/2018	3644080	18202090.9	
3644342	Vapor Technologies, Inc.	25/06/2019	3644342	19182248.5	
3644382	Bruker EAS GmbH	24/10/2019	3644382	19204987.2	German
3644584	Beijing Xiaomi Mobile Software Co., Ltd.	25/10/2019	3644584	19205399.9	
3644703	Richard Campey Limited	26/06/2018	3644703	18739579.3	
3644728	Sci-Group AS	27/06/2018	3644728	18732395.1	
3645397	Airbus Canada Limited Partnership	30/06/2017	3645397	17746190.2	
3645523	Samsung Display Co., Ltd.	25/06/2018	3645523	18742408.0	German
3645679	Chevron Oronite SAS Chevron Oronite Company LLC	28/06/2018	3645679	18749525.4	
3645682	The Lubrizol Corporation	25/06/2018	3645682	18742658.0	
3645930	Baker Hughes Energy Technology UK Limited	05/06/2018	3645930	18732412.4	
3645993	Perkins Engines Company Limited	27/06/2018	3645993	18734554.1	
3646392	Aledia	08/06/2018	3646392	18728411.2	French

3646403	AVL List GmbH	26/06/2018	3646403	18742392.6	German
3646854	PolyPlus Transfection	30/10/2018	3646854	18306417.9	
3646998	LG Electronics Inc.	28/06/2018	3646998	18823583.2	
3647078	Sumitomo Rubber Industries, Ltd.	28/10/2019	3647078	19205644.8	
3647145	Kawasaki Motors, Ltd.	27/06/2017	3647145	17915302.8	
3647217	Crown Packaging Technology, Inc.	28/02/2017	3647217	19209851.5	
3647608	Ehni Schaumstofftechnik GmbH	16/09/2019	3647608	19197469.0	German
3647737	Melexis Technologies NV	05/11/2018	3647737	18204290.3	
3647741	Melexis Bulgaria Ltd.	29/10/2018	3647741	18203034.6	
3647878	CANON KABUSHIKI KAISHA	31/10/2019	3647878	19206449.1	
3648055	Hangzhou Hikvision Digital Technology Co., Ltd.	26/06/2018	3648055	18825102.9	
3648219	BYD Company Limited	25/06/2018	3648219	18823776.2	
3648725	Roam Robotics Inc.	29/08/2018	3648725	18850236.3	
3649718	Energysquare	03/07/2018	3649718	18733921.3	
3650185	Universität Stuttgart	22/10/2019	3650185	19204660.5	German
3650334	Rohr, Inc.	07/11/2019	3650334	19207801.2	
3650898	Commscope Technologies LLC	20/02/2013	3650898	19218077.6	
3651563	Grimme Landmaschinenfabrik GmbH & Co. KG	28/06/2018	3651563	18742940.2	German
3652143	SABIC Global Technologies B.V.	06/07/2018	3652143	18734846.1	
3652699	Enedis	06/07/2018	3652699	18735587.0	French
3652786	King Abdullah University Of Science And Technology	08/06/2018	3652786	18740644.2	
3653221	Compugen Ltd.	19/02/2016	3653221	19214231.3	
3654013	HORIBA, Ltd.	28/08/2019	3654013	19194194.7	
3654093	Samsung Display Co., Ltd.	12/11/2019	3654093	19208709.6	
3654417	Contemporary Amperex Technology Co., Limited	30/05/2019	3654417	19177478.5	
3654494	Mitsubishi Electric Corporation	13/07/2017	3654494	17917369.5	
3654582	Intuit Inc.	24/06/2015	3654582	20150499.0	
3655616	Reme Technologies, LLC	17/07/2018	3655616	18834411.3	
3656196	Precision Planting LLC	24/10/2013	3656196	19215581.0	
3656530	Coperion GmbH	21/11/2018	3656530	18207607.5	German
3657127	SERCEL	21/11/2018	3657127	18306537.4	
3657601	ViaSat Inc.	26/06/2015	3657601	20151936.0	

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3657661	Huawei Digital Power Technologies Co., Ltd.	10/08/2018	3657661	18843954.1	
3659196	Shell Internationale Research Maatschappij B.V.	23/07/2018	3659196	18748879.6	
3659316	Centripetal Networks, Inc.	24/07/2018	3659316	18752378.2	
3660216	Graco Minnesota Inc.	27/11/2019	3660216	19211777.8	
3660229	Hitachi Construction Machinery Co., Ltd.	28/09/2018	3660229	18930517.0	
3661723	kocher-plastik Maschinenbau GmbH	03/08/2018	3661723	18750197.8	German
3662044	Dow Global Technologies LLC	10/07/2018	3662044	18746466.4	
3662054	Universita' degli Studi di Genova	18/06/2018	3662054	18730009.0	
3662221	Hieta Technologies Limited	18/05/2018	3662221	18727394.1	
3662233	Rosemount Inc.	29/08/2017	3662233	17923032.1	
3663062	Techtronic Cordless GP	05/12/2019	3663062	19213837.8	
3663266	Samsung Electronics Co., Ltd.	04/12/2019	3663266	19213617.4	
3663521	Raytheon Technologies Corporation	29/06/2012	3663521	20151427.0	
3663698	Li Cheng Technique Business Company	06/12/2018	3663698	18210818.3	
3663766	SYSMEX CORPORATION	05/10/2009	3663766	20153345.2	
3666756	Zhejiang Huahai Tiancheng Pharmaceutical Co., Ltd Zhejiang Huahai Zhicheng Pharmaceutical Co., Ltd. Zhejiang Huahai Pharmaceutical Co., Ltd	09/08/2018	3666756	18843108.4	
3667098	Mitsubishi Electric Corporation	09/08/2017	3667098	17921060.4	
3667461	Tobii AB	28/11/2019	3667461	19212255.4	
3667749	LG CHEM, LTD.	03/05/2019	3667749	19822718.3	
3667765	HYUNDAI MOTOR COMPANY Kia Corporation	27/06/2019	3667765	19182854.0	
3668212	Beijing Xiaomi Mobile Software Co., Ltd.	07/08/2017	3668212	17920717.0	
3668662	SMS Group GmbH	15/08/2018	3668662	18756202.0	German
3669106	Flowcon International ApS	12/07/2018	3669106	18846065.3	
3669957	VIVIWARE Japan, Inc.	13/08/2018	3669957	18846379.8	
3670584	Palo Alto Research Center Incorporated	17/12/2019	3670584	19217234.4	
3670813	SCHÜCO International KG	28/11/2019	3670813	19212183.8	German
3670863	Raytheon Technologies Corporation	21/10/2019	3670863	19204350.3	

3670973	FTE automotive GmbH	13/12/2019	3670973	19216140.4	
3671141	Bizerba SE & Co. KG	20/12/2018	3671141	18214937.7	German
3671163	WATTS INDUSTRIES ITALIA S.r.l.	19/12/2019	3671163	19217835.8	
3671178	SSAB Technology AB	20/12/2018	3671178	18214413.9	
3671773	Sumida Corporation	20/12/2019	3671773	19218529.6	
3671949	Samsung Electronics Co., Ltd.	19/12/2019	3671949	19218034.7	
3672382	Valeo Siemens eAutomotive France SAS	04/12/2019	3672382	19213473.2	French
3672383	Valeo Siemens eAutomotive France SAS	04/12/2019	3672383	19213493.0	French
3672532	Transmural Systems LLC	27/08/2018	3672532	18849498.3	
3673118	Oblamatik AG	24/08/2017	3673118	17761218.1	German
3674699	Osaka University	21/08/2018	3674699	18847710.3	
3675099	Shenzhen China Star Optoelectronics Semiconductor Display Technology Co., Ltd.	26/10/2017	3675099	17922747.5	
3675514	GN Audio A/S	15/11/2019	3675514	19209508.1	
3675677	Nike Innovate C.V.	24/08/2018	3675677	18765330.8	
3675685	Kim, Jin Woo	06/12/2018	3675685	18925470.9	
3675702	Samsung Electronics Co., Ltd.	09/11/2018	3675702	18876216.5	
3676119	Getrag Ford Transmissions GmbH	14/08/2018	3676119	18781962.8	German
3676307	Perstorp AB	30/08/2018	3676307	18850983.0	
3676398	The Johns Hopkins University	31/08/2018	3676398	18907252.3	
3676409	voestalpine Stahl GmbH	24/08/2018	3676409	18768789.2	German
3676615	SOMAprbes SL	31/08/2018	3676615	18765412.4	
3677870	TOPCON CORPORATION	10/12/2019	3677870	19214639.7	
3678124	BOE Technology Group Co., Ltd. Chongqing BOE Optoelectronics Technology Co., Ltd.	27/04/2018	3678124	18800027.7	
3679040	Amgen Inc.	07/09/2018	3679040	18778775.9	
3679207	Dormakaba USA Inc.	07/09/2018	3679207	18853917.5	
3679705	National Instruments Corporation	12/06/2018	3679705	18743608.4	
3679711	Somfy Activites SA	03/09/2018	3679711	18759343.9	French
3680395	Hitachi Construction Machinery Co., Ltd.	06/09/2017	3680395	17922068.6	
3680535	CEJN AB	09/01/2020	3680535	20150968.4	
3680577	Central Motor Wheel Co., Ltd.	06/09/2017	3680577	17924324.1	



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3681446	The Flex Company	14/09/2018	3681446	18856315.9	
3682547	Telefonaktiebolaget LM Ericsson (PUBL)	12/09/2018	3682547	18779788.1	
3682879	ChemoCentryx, Inc.	28/09/2015	3682879	20160995.5	
3682920	Enable Injections, Inc.	17/06/2014	3682920	19170190.3	
3683064	Canon Production Printing Holding B.V.	16/01/2019	3683064	19152123.6	
3683262	Sekisui Plastics Co., Ltd.	10/09/2018	3683262	18854127.0	
3683364	Hitachi Construction Machinery Co., Ltd.	13/09/2017	3683364	17922064.5	
3683446	Textron Innovations Inc.	15/01/2020	3683446	20151927.9	
3683485	Bleckmann GmbH & Co. KG	21/01/2019	3683485	19152795.1	
3685034	Chalitaporn, Suebphong	22/09/2017	3685034	17804675.1	
3685888	Avero AB	23/01/2020	3685888	20153446.8	
3686183	Ocera Therapeutics, Inc.	01/04/2010	3686183	20161306.4	
3686199	CSTONE PHARMACEUTICALS (SUZHOU) CO., LTD. CSTONE PHARMACEUTICALS (SHANGHAI) CO., LTD. CSTONE PHARMACEUTICALS	27/09/2018	3686199	18861150.3	
3686733	FUJITSU LIMITED	19/12/2019	3686733	19218090.9	
3686997	Fujikura Ltd.	13/09/2018	3686997	18858576.4	
3687107	Accenture Global Solutions Limited	19/11/2019	3687107	19209938.0	
3687850	Vitesco Technologies GmbH	26/09/2018	3687850	18789004.1	German
3687881	Volkswagen Aktiengesellschaft	12/09/2018	3687881	18773369.6	German
3688523	Oxford University Innovation Limited	26/09/2018	3688523	18782139.2	
3690111	LG Electronics Inc.	31/01/2020	3690111	20154875.7	
3690146	Lahema	27/01/2020	3690146	20153793.3	
3690927	Shenzhen China Star Optoelectronics Semiconductor Display Technology Co., Ltd.	20/11/2017	3690927	17927583.9	
3691240	Kyocera Corporation	03/09/2018	3691240	18860209.8	
3691309	Headwater Research LLC	27/01/2010	3691309	20159987.5	
3691330	Telefonaktiebolaget LM Ericsson (publ)	21/06/2017	3691330	20152884.1	
3692735	Commscope Technologies LLC	02/10/2018	3692735	18864237.5	
3693138	Google LLC	18/06/2018	3693138	20167061.9	
3693467	Medical Corporation Ichikawa Clinic	05/10/2018	3693467	18865032.9	

3693486	Nippon Steel Corporation	03/10/2018	3693486	18864581.6	
3693576	Rolls-Royce plc	16/01/2020	3693576	20152101.0	
3693969	BIBLIOS CO., LTD.	25/06/2019	3693969	19765405.6	
3693984	EUCHNER GmbH + Co. KG	11/02/2019	3693984	19156483.0	German
3694117	Nokia Technologies Oy	11/02/2019	3694117	19305164.6	
3694600	Queen's University Université de Rennes I Institut National de la Santé et de la Recherche Médicale (INSERM) Centre Hospitalier Universitaire Pontchaillou	09/10/2018	3694600	18780161.8	
3695394	Beijing Didi Infinity Technology and Development Co., Ltd.	06/06/2018	3695394	18921335.8	
3695796	Biedermann Technologies GmbH & Co. KG	13/02/2019	3695796	19157004.3	
3695950	Magna Exteriors Inc.	13/02/2020	3695950	20157068.6	
3695975	Seiko Epson Corporation	12/02/2020	3695975	20156931.6	
3696096	Airbus Defence and Space SAS	10/11/2017	3696096	20162878.1	French
3696204	ZS Elastomers Co., Ltd. Zeon Corporation Sumitomo Chemical Company, Limited	28/09/2018	3696204	18867046.7	
3696250	Haldor Topsøe A/S	10/02/2020	3696250	20156370.7	
3696400	Delphi Technologies IP Limited	05/02/2020	3696400	20155577.8	
3696789	Nissan Motor Co., Ltd. Renault s.a.s	10/10/2017	3696789	17928354.4	
3696965	Hitachi Astemo, Ltd.	19/09/2018	3696965	18865396.8	
3697244	NIKE Innovate C.V.	18/10/2018	3697244	18799954.5	
3697251	Nike Innovate C.V.	19/10/2018	3697251	18867964.1	
3697856	Farbenpunkt, Inc.	17/10/2018	3697856	18788757.5	
3699197	Ludwig-Maximilians-Universität München	09/11/2016	3699197	20165971.1	
3699874	Asahi Seiko Co., Ltd.	17/02/2020	3699874	20157620.4	
3700216	LG Electronics Inc.	10/09/2019	3700216	19859025.9	
3700369	Philip Morris Products S.A.	24/10/2018	3700369	18789674.1	
3700451	Cardiac Pacemakers, Inc.	23/10/2018	3700451	18801137.3	
3700620	Mayo Foundation for Medical Education and Research	23/10/2018	3700620	18870456.3	

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3700661	UAB Nowadays Technologies	27/10/2017	3700661	17809006.4	
3700910	Max-Planck-Gesellschaft zur Förderung der Wissenschaften E. V.	27/10/2017	3700910	17791669.9	
3701096	Puggioni, Sara	08/10/2018	3701096	18792531.8	
3701168	Gates Corporation	04/12/2018	3701168	18807845.5	
3701657	Telefonaktiebolaget LM Ericsson (PUBL)	27/10/2017	3701657	17791089.0	
3702669	Ansaldo Energia Switzerland AG	28/02/2019	3702669	19160049.3	
3702698	Schneider Electric IT Corporation	26/02/2020	3702698	20159492.6	
3702909	Yura Corporation Co., Ltd.	20/12/2018	3702909	18897053.7	
3703006	Arashi Vision Inc.	16/10/2018	3703006	18870179.1	
3704721	Illinois Tool Works, Inc.	23/10/2018	3704721	18797507.3	
3704739	Northrop Grumman Systems Corporation	13/09/2018	3704739	18782271.3	
3704866	Logmore Oy	05/11/2018	3704866	18826405.5	
3704879	Qualcomm Incorporated	08/10/2018	3704879	18793537.4	
3705204	Refractory Intellectual Property GmbH & Co. KG	08/03/2019	3705204	19161721.6	
3705450	Sidel Participations	08/03/2019	3705450	19305271.9	
3705488	Sage Therapeutics, Inc.	29/05/2015	3705488	20171670.1	
3705550	Weiss Technik GmbH	19/02/2020	3705550	20158187.3	German
3705808	Daikin Industries, Ltd.	27/09/2018	3705808	18873146.7	
3706410	Sony Group Corporation	05/12/2018	3706410	18890127.6	
3706596	PopSockets LLC	16/10/2018	3706596	18797365.6	
3707286	Alpha Assembly Solutions Inc.	31/10/2018	3707286	18804800.3	
3708219	Inspire Medical Systems, Inc.	15/05/2009	3708219	20153950.9	
3708317	Techtronic Cordless GP	13/03/2020	3708317	20163085.2	
3708331	Extrude to Fill, Inc.	02/12/2016	3708331	20154123.2	
3709374	NICHIA CORPORATION	27/05/2016	3709374	20167639.2	
3709415	Honeywell International Inc.	06/03/2020	3709415	20161663.8	
3709590	Commissariat à l'énergie atomique et aux énergies alternatives	13/03/2020	3709590	20163041.5	French
3709678	Sony Group Corporation	17/01/2017	3709678	20157346.6	
3710457	Principia Biopharma Inc.	14/11/2018	3710457	18812554.6	
3710804	Eni S.p.A.	14/11/2018	3710804	18799561.8	
3710897	KSB SE & Co. KGaA	22/10/2018	3710897	18795387.2	German
3710901	Gulfstream Aerospace Corporation	14/11/2018	3710901	18877456.6	

3711359	Telefonaktiebolaget LM Ericsson (publ)	16/11/2018	3711359	18815348.0	
3711379	NTT DoCoMo, Inc.	19/11/2018	3711379	18819399.9	
3711430	QUALCOMM Incorporated	28/08/2018	3711430	18766506.2	
3711788	TC1 LLC	17/11/2016	3711788	20171873.1	
3711931	Wegener International GmbH	26/02/2020	3711931	20159508.9	German
3712130	Nanjing Cavendish Bio-Engineering Technology Co., Ltd. Xu, Yongxiang	14/12/2018	3712130	18889120.4	
3712336	Takeuchi MFG. Co., Ltd.	20/06/2019	3712336	19181538.0	
3712504	Raytheon Technologies Corporation	22/01/2020	3712504	20153235.5	
3712734	CRSC RESEARCH & DESIGN INSTITUTE GROUP CO., LTD.	09/05/2018	3712734	18875763.7	
3712819	Intel Corporation	06/03/2020	3712819	20161580.4	
3713148	Giesecke+Devrient Mobile Security GmbH	22/03/2019	3713148	19000143.8	
3713153	Samsung Electronics Co., Ltd.	15/06/2016	3713153	20174191.5	
3714290	Baidu.com Times Technology (Beijing) Co., Ltd. Baidu USA LLC	30/01/2019	3714290	19795076.9	
3714679	Nanjing Chervon Industry Co., Ltd.	26/12/2018	3714679	18894932.5	
3714688	BASF Agro Trademarks GmbH	26/03/2019	3714688	19165176.9	
3715006	Nakata Manufacturing Co., Ltd.	21/11/2018	3715006	18880803.4	
3716011	EM Microelectronic-Marin SA	25/03/2019	3716011	19164898.9	
3716021	Tobii AB	27/03/2020	3716021	20166411.7	
3716241	Airbus Operations GmbH	18/03/2020	3716241	20163876.4	
3716457	Semiconductor Components Industries, LLC	23/03/2020	3716457	20164796.3	
3717365	Creanova Limited	26/11/2018	3717365	18811641.2	
3717437	Technische Hochschule Nuernberg Georg Simon Ohm	26/11/2018	3717437	18811202.3	German
3717476	Orion Corporation	30/11/2018	3717476	18822414.1	
3717563	Corning Research & Development Corporation	08/11/2018	3717563	18807827.3	
3717659	Ascilion AB	30/11/2018	3717659	18819276.9	
3717871	Beijing Didi Infinity Technology and Development Co., Ltd.	07/06/2018	3717871	18921582.5	

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3718509	Edwards Lifesciences Innovation (Israel) Ltd.	28/10/2010	3718509	20170528.2	
3718674	Citizen Watch Co., Ltd. Citizen Machinery Co., Ltd.	31/10/2018	3718674	18880241.7	
3718854	Ricoh Company, Ltd.	17/03/2020	3718854	20163728.7	
3718900	Hamilton Sundstrand Corporation	14/11/2019	3718900	19209262.5	
3718980	Ivoclar Vivadent AG	04/04/2019	3718980	19167345.8	German
3719758	Advanced New Technologies Co., Ltd.	22/02/2019	3719758	19812451.3	
3720838	BASF SE	27/11/2018	3720838	18804653.6	
3721248	ORANGE	04/12/2018	3721248	18836833.6	French
3721481	Commissariat à l'Energie Atomique et aux Energies Alternatives	29/11/2018	3721481	18807639.2	French
3721482	Commissariat à l'Energie Atomique et aux Energies Alternatives	30/11/2018	3721482	18807667.3	French
3722796	Carrier Corporation	25/03/2020	3722796	20165700.4	
3723208	Aptiv Technologies Limited	03/04/2020	3723208	20167924.8	
3723228	NR Electric Co., Ltd. NR Engineering Co., Ltd.	28/11/2018	3723228	18885607.4	
3724192	Richter Gedeon Nyrt.	14/12/2018	3724192	18836400.4	
3724346	Sabidos B.V.	13/12/2018	3724346	18816060.0	
3724431	Southco, Inc.	30/11/2018	3724431	18821856.4	
3725145	Bernini, Fabrizio	27/02/2020	3725145	20159772.1	
3725197	SEB S.A.	23/03/2020	3725197	20164940.7	French
3725520	Think Laboratory Co., Ltd.	22/11/2018	3725520	18887685.8	
3725625	NISSAN MOTOR CO., LTD.	15/12/2017	3725625	17934928.7	
3726727	GE Aviation Systems LLC	09/04/2020	3726727	20169083.1	
3726963	Proterra Ag, Inc.	21/12/2018	3726963	18891451.9	
3727790	Pirelli Tyre S.p.A.	28/11/2018	3727790	18819555.6	
3728695	Oerlikon Surface Solutions AG, Pfäffikon	20/12/2018	3728695	18829386.4	German
3728731	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	19/12/2018	3728731	18842778.5	French
3729861	Samsung Electronics Co., Ltd.	01/02/2019	3729861	19747678.1	
3729869	Telefonaktiebolaget LM Ericsson (publ)	20/12/2017	3729869	17826331.5	
3729894	QUALCOMM Incorporated	17/12/2018	3729894	18833366.0	

3731552	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	17/08/2018	3731552	18930082.5	
3732760	Hitachi Energy Switzerland AG	31/10/2018	3732760	18808491.7	
3732832	Telecom Italia S.p.A.	21/12/2018	3732832	18826056.6	
3732897	Google LLC	25/06/2019	3732897	19736436.7	
3733771	Lotte Chemical Corporation	28/12/2018	3733771	18896036.3	
3734317	DENSO CORPORATION	14/04/2017	3734317	20179184.5	
3734639	IMS Nanofabrication GmbH	30/04/2020	3734639	20172298.0	
3735363	PSA Automobiles SA	13/12/2018	3735363	18839690.7	French
3735820	Usines Claas France S.A.S	06/02/2020	3735820	20155764.2	German
3735995	3M Innovative Properties Company	21/12/2010	3735995	20179957.4	
3736259	RHODIA OPERATIONS	10/05/2019	3736259	19305606.6	
3736968	Allegro MicroSystems, LLC	30/05/2017	3736968	20180097.6	
3738822	Allied Vehicles Limited	21/04/2020	3738822	20170734.6	
3739556	Wincor Nixdorf International GmbH	14/05/2019	3739556	19174321.0	German
3739684	NXP B.V.	11/05/2020	3739684	20173957.0	
3739976	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	09/02/2018	3739976	18905795.3	
3740464	Nova Chemicals (International) S.A.	17/01/2019	3740464	19706743.2	
3740765	Technoprobe S.p.A	16/01/2019	3740765	19700514.3	
3741203	Lemmen, Jacobus Alexander Jozef Van Doremaele, Marcus Gerardus Maria	20/05/2020	3741203	20175661.6	
3741417	Fisher & Paykel Healthcare Limited	27/03/2015	3741417	20169070.8	
3741430	RaySearch Laboratories AB	20/05/2019	3741430	19175437.3	
3742443	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	03/12/2018	3742443	18900764.4	
3742578	Samsung Electronics Co., Ltd.	28/04/2020	3742578	20171776.6	
3742770	T-Mobile USA, Inc.	29/04/2020	3742770	20172209.7	
3743235	Credé Vermögensverwaltungs-GmbH + Co. KG	09/01/2019	3743235	19700364.3	German
3743407	BASF SE	14/01/2019	3743407	19700502.8	
3744033	WAGO Verwaltungsgesellschaft mbH	14/01/2019	3744033	19703780.7	German
3744197	CHINA TOBACCO YUNNAN INDUSTRIAL CO., LTD	08/08/2019	3744197	19886057.9	

3744623	KTM AG	26/05/2020	3744623	20176545.0	German
3744940	Sopropfen	29/05/2020	3744940	20177542.6	French
3745663	Imagination Technologies Limited	27/05/2016	3745663	20178723.1	
3745766	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	23/02/2018	3745766	18907174.9	
3745894	Alpinestars Research S.p.A.	30/01/2019	3745894	19701389.9	
3746435	Pfizer Inc.	31/01/2019	3746435	19709113.5	
3746669	Safran Electrical & Power	22/01/2019	3746669	19704195.7	
3746898	ARM Limited	23/01/2019	3746898	19702677.6	
3746980	Brainlab AG	12/04/2019	3746980	19717876.7	
3747765	Schaublin SA	05/06/2020	3747765	20178483.2	
3747771	B/E Aerospace, Inc.	13/12/2019	3747771	19215956.4	
3748195	IMS Gear SE & Co. KGaA	04/06/2019	3748195	19178264.8	German
3748268	DAIKIN INDUSTRIES, LTD.	25/12/2018	3748268	18903256.8	
3749006	Honor Device Co., Ltd.	31/10/2014	3749006	20170997.9	
3749339	AKER BIOMARINE ANTARCTIC AS	30/01/2019	3749339	19714777.0	
3750045	Apple Inc.	30/03/2020	3750045	20721988.2	
3750377	PSA Automobiles SA	21/01/2019	3750377	19704364.9	French
3750825	Hellermannntyton Corporation	29/05/2020	3750825	20177362.9	
3751083	Renault s.a.s	02/06/2020	3751083	20177756.2	French
3751087	McKeon Rolling Steel Door Co., Inc.	09/06/2020	3751087	20178981.5	
3751224	Illinois Tool Works, Inc.	14/06/2019	3751224	19180394.9	
3751775	ASUSTek Computer Inc.	04/06/2020	3751775	20178148.1	
3751899	HUAWEI TECHNOLOGIES CO., LTD.	13/02/2019	3751899	19755060.1	
3751950	Telefonaktiebolaget LM Ericsson (publ)	09/06/2017	3751950	20189937.4	
3752104	RAM Medical Innovations, Inc.	08/01/2019	3752104	19754904.1	
3752250	Constellation Pharmaceuticals, Inc.	15/02/2019	3752250	19708731.5	
3752772	Dolphin Care ApS	13/02/2019	3752772	19704329.2	
3752838	Frost Diagnostika GmbH	15/02/2019	3752838	19709626.6	German
3754207	Illinois Tool Works Inc.	17/06/2019	3754207	19382503.1	
3754219	Diehl Metall Stiftung & Co. KG	04/06/2020	3754219	20178291.9	German
3754703	STMicroelectronics S.r.l.	10/06/2020	3754703	20179296.7	
3754820	LG Electronics Inc.	05/06/2020	3754820	20178398.2	
3755503	fischerwerke GmbH & Co. KG	01/02/2019	3755503	19702609.9	German
3755559	Allison Transmission, Inc.	19/02/2019	3755559	19754087.5	

3755937	Fraba B.V.	18/02/2019	3755937	19708029.4	German
3756777	Keystone Tower Systems, Inc.	24/06/2016	3756777	20186332.1	
3756800	ZCC Cutting Tools Europe GmbH	13/05/2020	3756800	20174340.8	German
3756849	Textron Innovations Inc.	23/06/2020	3756849	20181700.4	
3757523	Alcatel Submarine Networks	28/06/2019	3757523	19305875.7	
3758078	CreeLED, Inc.	05/06/2013	3758078	20190184.0	
3759065	OMV REFINING & MARKETING GMBH	28/02/2019	3759065	19710577.8	German
3759498	Ionpath, Inc.	28/02/2019	3759498	19713244.2	
3759603	Microsoft Technology Licensing, LLC	18/02/2019	3759603	19707681.3	
3759950	Samsung Electronics Co., Ltd.	05/04/2019	3759950	19781297.7	
3761482	Funai Electric Co., Ltd.	02/06/2016	3761482	20192444.6	
3763097	Microsoft Technology Licensing, LLC	01/03/2019	3763097	19710947.3	
3763189	HONDA MOTOR CO., LTD.	24/06/2020	3763189	20181988.5	
3763269	Bissell Inc.	27/10/2016	3763269	20187821.2	
3763634	A. Raymond et Cie	12/06/2020	3763634	20179713.1	French
3763835	JFE Steel Corporation	06/02/2019	3763835	19763369.6	
3764381	Defond Electech Co., Ltd Defond Components Limited	07/07/2020	3764381	20184593.0	
3765781	Marelli Automotive Lighting Reutlingen (Germany) GmbH	07/03/2019	3765781	19710374.0	German
3766255	Schröder S.A.	18/03/2019	3766255	19711092.7	
3766298	Telefonaktiebolaget LM Ericsson (publ)	16/03/2018	3766298	18712181.9	
3768370	Garwood Laboratories, LLC	21/03/2019	3768370	19771610.3	
3768397	Hoist Fitness Systems, Inc.	08/03/2019	3768397	19772621.9	
3769004	Wärtsilä Finland Oy	19/03/2018	3769004	18712199.1	
3769010	Woodward, Inc.	21/03/2019	3769010	19765825.5	
3770092	KYOCERA Document Solutions Inc.	20/07/2020	3770092	20186671.2	
3770147	Purpana (Beijing) Technologies Co., Ltd	30/05/2018	3770147	18910531.5	
3770372	SCHÜCO International KG	15/06/2020	3770372	20179986.3	German
3771314	Google LLC	18/11/2019	3771314	19818400.4	
3771634	Mitsubishi Heavy Industries, Ltd.	12/02/2020	3771634	20156972.0	
3774019	CHEVRON PHILLIPS CHEMICAL COMPANY LP	21/03/2019	3774019	19716262.1	
3774222	The Gillette Company LLC	27/03/2019	3774222	19717045.9	
3774999	BASF SE	01/04/2019	3774999	19713494.3	German



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3777995	Hitachi Metals, Ltd.	29/03/2019	3777995	19774409.7	
3778024	PAUL SCHERRER INSTITUT	16/08/2019	3778024	19192141.0	
3778108	NIPPON STEEL CORPORATION	27/03/2018	3778108	18874993.1	
3778271	Panasonic Intellectual Property Management Co., Ltd. Japan Climate Systems Corporation	12/02/2019	3778271	19777876.4	
3778286	NISSAN MOTOR CO., LTD. Renault s.a.s	10/04/2018	3778286	18914675.6	
3778347	Tecnologie Meccaniche S.p.A.	30/07/2020	3778347	20188605.8	
3778703	NOF Corporation	26/03/2019	3778703	19775170.4	
3778964	NIPPON STEEL Stainless Steel Corporation	29/03/2019	3778964	19777692.5	
3779678	Accenture Global Solutions Limited	30/04/2020	3779678	20172335.0	
3779717	Advanced New Technologies Co., Ltd.	21/06/2019	3779717	19850637.0	
3780049	NKK Switches Co., Ltd.	28/03/2019	3780049	19778313.7	
3780477	HUAWEI TECHNOLOGIES CO., LTD.	26/01/2016	3780477	20197473.0	
3783073	Nitto Kasei Co., Ltd.	15/04/2019	3783073	19788333.3	
3783159	DEKO P/S	14/08/2015	3783159	20201556.6	
3785599	Otsuka Pharmaceutical Co., Ltd.	01/02/2008	3785599	20198815.1	
3785649	Biedermann Technologies GmbH & Co. KG	30/08/2019	3785649	19194781.1	
3785942	The Goodyear Tire & Rubber Company	24/08/2020	3785942	20192449.5	
3785944	The Goodyear Tire & Rubber Company	24/08/2020	3785944	20192484.2	
3786374	Grohe AG	29/06/2020	3786374	20182813.4	German
3787125	Aptiv Technologies Limited	12/06/2020	3787125	20179595.2	
3787289	LG Electronics Inc.	14/06/2012	3787289	20201588.9	
3787736	Nano-Retina Ltd.	01/05/2019	3787736	19724260.5	
3787744	Elekta, Inc.	23/04/2019	3787744	19727774.2	
3788841	Tridonic GmbH & Co. KG	26/06/2019	3788841	19734074.8	German
3789315	Buhl-PaperForm GmbH	02/09/2020	3789315	20194095.4	German
3789319	Ha, Chun-Yong	30/06/2020	3789319	20183163.3	

3790841	The United States of America, as represented by the Secretary, Department of Health and Human Services The Regents of the University of California	08/05/2019	3790841	19727193.5	
3791361	Fondazione del Piemonte Per L'Oncologia Università Degli Studi Di Torino	08/05/2019	3791361	19730217.7	
3791619	Telefonaktiebolaget LM Ericsson (publ)	09/05/2018	3791619	18728768.5	
3791692	Tridonic GmbH & Co. KG	17/06/2019	3791692	19731710.0	German
3791745	Roof International	10/09/2020	3791745	20195471.6	French
3791900	Gambro Lundia AB	11/05/2017	3791900	20200280.4	
3792177	Ratier-Figeac SAS	10/09/2019	3792177	19306088.6	
3792964	KSM Component Co., Ltd. Flowserve KSM Co., Ltd.	31/10/2019	3792964	19882749.5	
3795049	Gree Electric Appliances, Inc. of Zhuhai	22/12/2018	3795049	18928340.1	
3795167	Leidos, Inc.	15/09/2017	3795167	20204314.7	
3795274	JFE Steel Corporation	16/01/2017	3795274	20206258.4	
3795403	Carrier Corporation	20/09/2019	3795403	19198754.4	
3797207	Saudi Arabian Oil Company	04/06/2019	3797207	19732818.0	
3797630	NIKE Innovate C.V.	13/03/2017	3797630	20208553.6	
3797681	Medline Industries, LP	19/08/2010	3797681	20186953.4	
3798030	Ningbo Geely Automobile Research & Development Co. Ltd.	25/09/2019	3798030	19199686.7	
3798230	Novo Nordisk A/S	04/06/2012	3798230	20187662.0	
3798564	ABB Schweiz AG	27/09/2019	3798564	19200270.7	
3799354	Juniper Networks, Inc.	03/12/2019	3799354	19213049.0	
3799507	LG Electronics Inc.	13/05/2016	3799507	20208303.6	
3799627	Freymond, Eric	19/03/2019	3799627	19713725.0	French
3800349	Siemens Gamesa Renewable Energy A/S	02/10/2019	3800349	19200994.2	
3800460	Panduit Corp.	23/09/2020	3800460	20197708.9	
3800497	Magic Leap, Inc.	22/08/2017	3800497	20198864.9	
3800792	Zumtobel Lighting GmbH	02/10/2019	3800792	19201058.5	
3801090	Philip Morris Products S.A.	07/06/2019	3801090	19728708.9	

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3801156	EVOCA S.p.A.	05/06/2019	3801156	19737898.7	
3801671	FBR Medical, Inc.	03/06/2019	3801671	19745754.2	
3801739	First Step Holdings, LLC	07/06/2019	3801739	19818857.5	
3801820	VOLVO TRUCK CORPORATION	11/06/2018	3801820	18732698.8	
3801822	Trislot N.V.	08/06/2018	3801822	18782180.6	
3802209	Bose Corporation	06/06/2019	3802209	19732838.8	
3802210	Bose Corporation	06/06/2019	3802210	19733618.3	
3802338	Illinois Tool Works INC.	28/05/2019	3802338	19731430.5	
3802513	Takasago International Corporation	04/06/2019	3802513	19733265.3	
3802514	Promega Corporation	31/05/2019	3802514	19731541.9	
3802628	SABIC Global Technologies B.V.	14/05/2019	3802628	19722921.4	
3803008	Edscha Engineering GmbH	05/06/2019	3803008	19732248.0	German
3803042	Saudi Arabian Oil Company	30/05/2019	3803042	19731095.6	
3803125	Klaus Union GmbH & Co. KG	06/06/2019	3803125	19733959.1	German
3803200	CoeLux S.r.l.	22/05/2019	3803200	19724861.0	
3803302	TENET S.R.L. CON UNICO SOCIO	07/06/2019	3803302	19737900.1	
3803310	TENET S.R.L. CON UNICO SOCIO	07/06/2019	3803310	19737899.5	
3803492	Depixus	31/05/2019	3803492	19727408.7	
3803580	Microsoft Technology Licensing, LLC	13/05/2019	3803580	19729412.7	
3803677	Mühlbauer GmbH & Co. KG	06/06/2019	3803677	19805533.7	German
3803790	Universiteit Gent	28/05/2019	3803790	19726028.4	
	Imec VZW				
3804045	Phoenix Contact GmbH & Co. KG	04/06/2019	3804045	19728660.2	German
3804509	Horse Haytec Oy	03/10/2020	3804509	20199969.5	
3804807	Zoll Medical Corporation	25/06/2013	3804807	20210476.6	
3805672	EMERSON CLIMATE TECHNOLOGIES, INC.	08/10/2008	3805672	20211561.4	
3806254	Langmatz GmbH	07/10/2020	3806254	20200460.2	German
3806695	Paul Hettich GmbH & Co. KG	04/06/2019	3806695	19728434.2	German
3806970	LEGO A/S	11/06/2019	3806970	19731192.1	
3807106	Pirelli Tyre S.p.A.	10/06/2019	3807106	19773492.4	
3807132	Federal-Mogul S.A.	13/06/2018	3807132	18732299.5	
3807153	Noxon S.p.A.	11/06/2019	3807153	19737244.4	
3807273	Chiesi Farmaceutici S.p.A.	11/06/2019	3807273	19735488.9	
3807453	BB Engineering GmbH	05/06/2019	3807453	19729247.7	German
3807511	DAF Trucks N.V.	12/06/2019	3807511	19743052.3	
3807517	Wünstel, Franz	25/05/2019	3807517	19731131.9	German

3807520	VESTAS WIND SYSTEMS A/S	12/06/2019	3807520	19731591.4	
3807521	VESTAS WIND SYSTEMS A/S	12/06/2019	3807521	19731592.2	
3807522	VESTAS WIND SYSTEMS A/S	12/06/2019	3807522	19731593.0	
3807527	Vestas Wind Systems A/S	13/06/2019	3807527	19730350.6	
3807666	Skope Magnetic Resonance Technologies AG	17/06/2019	3807666	19731721.7	
3807940	Aledia	11/06/2019	3807940	19746116.3	French
3807984	Renault s.a.s	27/05/2019	3807984	19726412.0	French
3808142	Sigfox	17/06/2019	3808142	19742445.0	French
3808219	FIGUERAS SEATING EUROPE, S.L.	13/06/2018	3808219	18783541.8	
3808753	Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences	03/09/2019	3808753	19919542.1	
3809043	Danieli & C. Officine Meccaniche S.p.A.	14/10/2020	3809043	20201665.5	
3809046	E.G.O. Elektro-Gerätebau GmbH	18/09/2020	3809046	20196857.5	German
3809154	SAGEMCOM BROADBAND SAS	05/10/2020	3809154	20200148.3	French
3809559	Lin, Yi Sheng	14/10/2019	3809559	19202959.3	
3809834	The GSI Group LLC	17/06/2019	3809834	19759034.2	
3810071	Henkel AG & Co. KGaA	14/06/2019	3810071	19731693.8	German
3810076	L'OREAL	20/06/2019	3810076	19731741.5	French
3810079	L'OREAL	20/06/2019	3810079	19731743.1	French
3810128	Universidad Pablo de Olavide	19/06/2019	3810128	19730826.5	
3810401	3D Systems, Inc.	13/06/2019	3810401	19735016.8	
3810437	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	13/06/2019	3810437	19737861.5	French
3810500	Ulstein Design & Solutions B.V.	21/06/2019	3810500	19743076.2	
3810511	Airbus Oneweb Satellites SAS	20/06/2019	3810511	19732352.0	
3810515	I.M.A. Industria Macchine Automatiche S.p.A.	19/06/2019	3810515	19761948.9	
3810538	M.D. Viola Macchine S.r.l.	12/06/2019	3810538	19737906.8	
3810734	The Lubrizol Corporation	19/06/2019	3810734	19740113.6	
3810742	Henkel AG & Co. KGaA	06/06/2019	3810742	19730290.4	German
3810923	VESTAS WIND SYSTEMS A/S	13/06/2019	3810923	19732255.5	
3810954	BREMBO S.p.A.	06/06/2019	3810954	19734910.3	
3811252	Alarm.com Incorporated	25/06/2019	3811252	19740144.1	
3811258	Université du Luxembourg	24/06/2019	3811258	19733012.9	

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3811327	HERA-MI	18/06/2019	3811327	19790599.5	French
3811347	Adaptive Regelsysteme Gesellschaft mbH	19/06/2019	3811347	19732010.4	German
3811382	QSA Global Inc.	18/06/2019	3811382	19739789.6	
3811419	Aledia Commissariat à l'Energie Atomique et aux Energies Alternatives	18/06/2019	3811419	19790601.9	French
3811704	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. Friedrich-Alexander-Universität Erlangen-Nürnberg	19/06/2019	3811704	19732972.5	German
3812151	Autoneum Management AG	25/10/2019	3812151	19205335.3	
3812363	Panasonic Holdings Corporation	18/04/2019	3812363	19823211.8	
3812388	Samsung Display Co., Ltd.	20/10/2020	3812388	20202765.2	
3812540	Kiekert AG	19/10/2020	3812540	20202573.0	German
3813099	Watlow Electric Manufacturing Company	15/06/2017	3813099	20211264.5	
3813221	Beijing Xiaomi Mobile Software Co., Ltd.	03/04/2020	3813221	20167883.6	
3813342	Honor Device Co., Ltd.	30/09/2018	3813342	18926919.4	
3813399	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	02/11/2018	3813399	18929409.3	
3813569	Philip Morris Products S.A.	28/06/2019	3813569	19734090.4	
3813966	Bertazzon 3B S.r.l.	19/06/2019	3813966	19736820.2	
3814058	Atlas Copco Industrial Technique AB	25/06/2019	3814058	19734040.9	
3814180	Robert Bosch GmbH	24/05/2019	3814180	19727335.2	German
3814181	Robert Bosch GmbH	24/05/2019	3814181	19727337.8	German
3814264	Inventio AG	13/06/2019	3814264	19731240.8	German
3814273	thyssenkrupp Industrial Solutions AG thyssenkrupp AG	25/06/2019	3814273	19735513.4	German
3814789	Commissariat à l'Energie Atomique et aux Energies Alternatives	11/06/2019	3814789	19729013.3	French
3815243	VALEO EQUIPEMENTS ELECTRIQUES MOTEUR	28/06/2019	3815243	19733082.2	French
3816167	Meiji Seika Pharma Co., Ltd.	27/06/2019	3816167	19826594.4	
3816373	LA CROISEE D.S.	28/10/2020	3816373	20204409.5	French

3817314	Telefonaktiebolaget LM Ericsson (publ)	21/12/2015	3817314	19188835.3	
3817365	i-PRO Co., Ltd.	28/10/2020	3817365	20204311.3	
3817933	MAGNA INTERNATIONAL INC	29/08/2019	3817933	19854401.7	
3818038	Merck Patent GmbH	01/07/2019	3818038	19733807.2	German
3818051	Bayer Aktiengesellschaft	03/07/2019	3818051	19741976.5	
3819492	Chongqing Hongjiang Machinery Co., Ltd.	05/11/2020	3819492	20205958.0	
3819621	Continental Reifen Deutschland GmbH	12/10/2020	3819621	20201231.6	German
3819759	Beijing Xiaomi Mobile Software Co., Ltd.	27/04/2020	3819759	20171567.9	
3820333	Rehau-Behr A/S	04/07/2019	3820333	19739877.9	
3820647	Atlas Copco Industrial Technique AB	20/06/2019	3820647	19732980.8	
3820648	Atlas Copco Industrial Technique AB	20/06/2019	3820648	19732979.0	
3821344	Microsoft Technology Licensing, LLC	19/06/2019	3821344	19735463.2	
3822256	Asahi Kasei Kabushiki Kaisha	20/06/2019	3822256	19834126.5	
3822513	Schaeffler Technologies AG & Co. KG	22/10/2020	3822513	20203285.0	German
3822686	PreciPoint GmbH	15/11/2019	3822686	19209393.8	
3822946	Volkswagen AG	13/11/2019	3822946	19208877.1	
3823470	CSM Bakery Solutions Europe Holding B.V.	11/07/2019	3823470	19737749.2	
3823772	ARKEMA FRANCE	29/05/2019	3823772	19727655.3	
3824280	Centre national de la recherche scientifique Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris	16/07/2019	3824280	19745574.4	French
3824549	THALES	17/07/2019	3824549	19739308.5	French
3824725	MEC Company Ltd.	27/06/2019	3824725	19838043.8	
3825046	AB Sandvik Coromant	20/11/2019	3825046	19210457.8	
3825183	Ningbo Geely Automobile Research & Development Co. Ltd.	22/11/2019	3825183	19210884.3	
3825307	Avanir Pharmaceuticals, Inc.	03/07/2017	3825307	20203704.0	
3825708	LG Energy Solution, Ltd.	05/03/2020	3825708	20776570.2	
3825833	Hexagon Technology Center GmbH	10/06/2010	3825833	20214216.2	
3826021	Lee, Yun Kyung	16/07/2019	3826021	19837847.3	
3826573	Kulzer GmbH	11/09/2019	3826573	19768774.2	German

3826725	Université Côte d'Azur LABORATOIRES M & L Centre national de la recherche scientifique	25/06/2019	3826725	19744771.7	French
3826852	Koenig & Bauer AG	17/05/2019	3826852	19725147.3	German
3827026	Georg-August-Universität Göttingen	12/07/2019	3827026	19740531.9	German
3827270	AMAD MENNEKES HOLDING GMBH & CO. KG	02/07/2019	3827270	19742530.9	German
3827695	Henkel AG & Co. KGaA	13/11/2020	3827695	20207353.2	German
3827733	DEKA Products Limited Partnership	31/01/2014	3827733	21151017.7	
3827736	Shenzhen Winstar Medical Technology Company Limited	27/07/2018	3827736	18927293.3	
3828008	Sumitomo Rubber Industries, Ltd.	20/10/2020	3828008	20202841.1	
3828415	Sumitomo Precision Products Co., Ltd.	26/11/2018	3828415	18941686.0	
3830153	Merck Patent GmbH	31/07/2019	3830153	19748530.3	
3830374	Somfy Activites SA	31/07/2019	3830374	19746093.4	French
3830432	F. Reyher NCHFG. GmbH & Co. KG	26/07/2019	3830432	19749650.8	German
3830513	Siemens Energy Global GmbH & Co. KG	18/09/2019	3830513	19778876.3	German
3832214	LG ELECTRONICS INC.	04/12/2020	3832214	20211897.2	
3832355	IFP Energies nouvelles TotalEnergies OneTech	17/11/2020	3832355	20208070.1	French
3832834	JVCKenwood Corporation	18/04/2019	3832834	19843403.7	
3832886	Samsung Electronics Co., Ltd.	28/08/2019	3832886	19853684.9	
3832991	Beijing Xiaomi Mobile Software Co., Ltd.	16/06/2020	3832991	20180162.8	
3833381	Catalyst Biosciences, Inc.	15/08/2020	3833381	20762011.3	
3833611	Société des Produits Nestlé S.A.	07/08/2019	3833611	19769581.0	
3833817	MATE GmbH	06/08/2019	3833817	19755273.0	German
3834088	Oracle International Corporation	20/03/2019	3834088	19718483.1	
3834690	Bissell Inc.	27/10/2016	3834690	20217412.4	
3834905	Donaldson Company, Inc.	30/03/2010	3834905	20211120.9	
3835261	CALB Technology Co., Ltd. CALB Co., Ltd.	07/09/2020	3835261	20194790.0	
3835680	Electricité de France	10/12/2020	3835680	20213241.1	French
3836421	Hapsmobile Inc.	07/08/2019	3836421	19853921.5	
3836749	ROSEMOUNT AEROSPACE INC.	14/12/2020	3836749	20213883.0	

3836873	Sigvaris AG	28/06/2019	3836873	19733797.5	French
3837808	Telefonaktiebolaget LM Ericsson (publ)	21/06/2019	3837808	19737250.1	
3838666	Guima Palfinger S.A.S.	16/12/2020	3838666	20214643.7	French
3840626	MEIKO Maschinenbau GmbH & Co. KG	19/08/2019	3840626	19755911.5	German
3840894	Dickfeld, Nils	23/08/2019	3840894	19766187.9	German
3840895	Dickfeld, Nils	23/08/2019	3840895	19766188.7	German
3841035	Société des Produits Nestlé S.A.	19/08/2019	3841035	19753114.8	
3841156	Dow Silicones Corporation	02/09/2020	3841156	20772167.1	
3842358	Betapack, S.A.U.	17/12/2020	3842358	20383111.0	
3842549	Biofidelity Ltd	22/06/2020	3842549	20181513.1	
3842864	Cubicure GmbH	23/12/2019	3842864	19020724.1	
3843195	Samsung SDI Co., Ltd.	23/12/2020	3843195	20217083.3	
3843427	Sonova AG	23/12/2019	3843427	19219384.5	
3844052	Sika Technology AG	27/08/2019	3844052	19758418.8	German
3844244	Merck Patent GmbH	26/08/2019	3844244	19756199.6	
3844411	Miba Gleitlager Austria GmbH	26/08/2019	3844411	19783411.2	German
3844972	CommScope Connectivity Belgium BVBA	30/08/2019	3844972	19762936.3	
3845090	Jing Si Pureland Co., Ltd.	22/12/2020	3845090	20216723.5	
3845525	Pi-Crystal Inc. The University of Tokyo	29/08/2019	3845525	19855122.8	
3845991	VOLKSWAGEN AG	03/01/2020	3845991	20150225.9	
3846345	Vddtech	31/12/2019	3846345	19220251.3	
3847072	CO.EL.DA. Software Srl	03/09/2019	3847072	19780016.2	
3847751	Siemens Aktiengesellschaft	19/12/2019	3847751	19829154.4	German
3849194	LG Electronics, Inc.	02/09/2011	3849194	21157930.5	
3849796	BASF SE ThyssenKrupp Steel Europe AG	11/09/2019	3849796	19763025.4	German
3849798	BASF SE	11/09/2019	3849798	19763027.0	German
3849856	Valeo Systèmes d'Essuyage	24/07/2019	3849856	19742062.3	French
3849950	Vuje, A.S.	13/09/2019	3849950	19773577.2	
3850046	CH-Polymers Oy	19/06/2019	3850046	19736770.9	
3850116	KME Special Products & Solutions GmbH	13/09/2019	3850116	19773350.4	German
3850261	NORMA Germany GmbH	14/08/2019	3850261	19756336.4	German
3850879	Signify Holding B.V.	27/08/2019	3850879	19758978.1	



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3852570	Fidlock GmbH	17/09/2019	3852570	19783212.4	German
3853050	Faymonville Distribution AG	20/09/2019	3853050	19774183.8	
3853061	Compleo Charging Solutions AG	30/08/2019	3853061	19765203.5	German
3853281	Hilti Aktiengesellschaft	09/09/2019	3853281	19765479.1	German
3853491	Schaeffler Technologies AG & Co. KG	03/09/2019	3853491	19769378.1	German
3853671	Nivarox-FAR S.A.	30/08/2019	3853671	19759404.7	French
3855142	Grandex International Corporation	27/01/2020	3855142	20153773.5	
3857008	Illinois Tool Works Inc.	24/09/2019	3857008	19783837.8	
3857009	HUF Hülsbeck & Fürst GmbH & Co. KG	30/09/2019	3857009	19782548.2	German
3857028	SAFRAN AIRCRAFT ENGINES	06/09/2019	3857028	19787014.0	French
3857107	MTP S.r.l.	27/09/2019	3857107	19790072.3	
3857505	Dolby Laboratories Licensing Corporation	23/09/2019	3857505	19779737.6	
3858559	MBDA Deutschland GmbH	13/10/2020	3858559	20201481.7	German
3858578	Sumitomo Heavy Industries, Ltd.	29/01/2021	3858578	21154169.3	
3858996	Zymergen Inc.	07/12/2016	3858996	21161430.0	
3859382	SICK AG	28/01/2020	3859382	20154108.3	German
3859530	Micron Technology, Inc.	05/01/2017	3859530	21164080.0	
3861047	Sika Technology AG	30/09/2019	3861047	19773879.2	German
3861271	Raytheon Company	03/10/2019	3861271	19791065.6	
3861381	Saudi Arabian Oil Company	01/10/2019	3861381	19790993.0	
3864056	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	10/10/2019	3864056	19813612.9	French
3864087	SHPP Global Technologies B.V.	09/10/2019	3864087	19789771.3	
3864197	GlobalWafers Co., Ltd.	09/09/2019	3864197	19773619.2	
3864352	Siemens Mobility GmbH	14/11/2019	3864352	19812700.3	German
3864999	Albea Plastic Metallizing Technologies (Shanghai) Co., Ltd.	09/02/2021	3864999	21155965.3	
3865547	SWIMC LLC	12/12/2012	3865547	21155506.5	
3866335	ABORA ENERGY, S.L.	20/12/2019	3866335	19856449.4	
3866389	WAYNE FUELING SYSTEMS LLC	31/03/2017	3866389	21167389.2	
3866979	Loesche GmbH	04/04/2019	3866979	19717245.5	German
3867696	Lumus Ltd.	07/11/2019	3867696	19881496.4	
3867728	THALES	17/10/2019	3867728	19806095.6	French
3869058	TOYOTA JIDOSHA KABUSHIKI KAISHA	06/11/2020	3869058	20206171.9	

3869060	Honeywell International Inc.	08/02/2021	3869060	21155869.7	
3869061	Jungheinrich Aktiengesellschaft	18/02/2021	3869061	21157744.0	German
3869275	Bundesdruckerei GmbH	09/02/2021	3869275	21155915.8	German
3869713	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	30/09/2019	3869713	19885648.6	
3870812	SAFRAN AIRCRAFT ENGINES	21/10/2019	3870812	19817390.8	French
3870815	VOLVO TRUCK CORPORATION	24/10/2018	3870815	18795477.1	
3872679	Toshiba Tec Kabushiki Kaisha	27/11/2020	3872679	20210288.5	
3873052	Siemens Aktiengesellschaft	28/02/2020	3873052	20160186.1	German
3873390	Ottobock SE & Co. KGaA	23/10/2019	3873390	19794508.2	German
3874105	Effegi Brevetti S.r.l.	24/10/2019	3874105	19790545.8	
3876562	Motorola Solutions, Inc.	03/03/2021	3876562	21160469.9	
3876666	Japan Tobacco Inc.	05/03/2021	3876666	21160986.2	
3876997	Byondis B.V.	04/11/2019	3876997	19795572.7	
3877171	Mitsubishi Chemical Advanced Materials Composites AG	05/11/2019	3877171	19795585.9	German
3877738	Sicame	12/12/2019	3877738	19835731.1	
3878076	Audi AG	24/10/2019	3878076	19794516.5	German
3878661	Kubota Corporation	09/03/2020	3878661	20305243.6	
3878906	Denka Company Limited	06/11/2019	3878906	19880999.8	
3879089	Rolls-Royce plc	08/02/2021	3879089	21155663.4	
3879637	Yazaki Corporation	23/02/2021	3879637	21158650.8	
3879826	LG Electronics Inc.	05/01/2018	3879826	21172288.9	
3881088	Bruker Switzerland AG	07/10/2020	3881088	20789558.2	German
3882411	Steinbach & Vollmann GmbH	10/02/2021	3882411	21156289.7	German
3882517	Zumtobel Lighting GmbH	15/03/2021	3882517	21162492.9	German
3884594	Signify Holding B.V.	14/11/2019	3884594	19801367.4	
3885232	ALSTOM Transport Technologies	24/03/2020	3885232	20290031.2	
3887479	Merck Patent GmbH	26/11/2019	3887479	19812736.7	German
3888492	Moplan d.o.o.	31/03/2020	3888492	20167123.7	
3888963	MAZDA MOTOR CORPORATION	15/02/2021	3888963	21157015.5	
3889187	Denka Company Limited	12/03/2020	3889187	20773432.8	
3889188	Denka Company Limited	12/03/2020	3889188	20773576.2	
3889435	WILO SE	03/04/2020	3889435	20167993.3	German
3889448	Witte Automotive GmbH	02/03/2021	3889448	21160157.0	German

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3892037	British Telecommunications public limited company	15/01/2020	3892037	20700400.3	
3892084	Pöttinger Landtechnik GmbH	08/04/2021	3892084	21167376.9	German
3892196	Thales Defense & Security, Inc.	04/05/2015	3892196	21175633.3	
3892354	Luftechnik Gransee GmbH Oerlikon Textile GmbH & Co. KG	24/03/2021	3892354	21164609.6	German
3892967	FMS Force Measuring Systems AG	06/04/2020	3892967	20168263.0	German
3893449	Telefonaktiebolaget LM Ericsson (publ)	20/06/2016	3893449	21176973.2	
3894536	THE PROCTER & GAMBLE COMPANY	21/11/2019	3894536	19823834.7	
3897011	Deutsche Telekom AG	14/04/2020	3897011	20169336.3	
3897319	Joma Kunststofftechnik GmbH	18/12/2019	3897319	19832273.7	German
3898021	Bystronic Laser AG	28/11/2019	3898021	19823880.0	
3898178	GloBra GmbH	05/01/2019	3898178	19700338.7	German
3898888	Merck Patent GmbH	17/12/2019	3898888	19829492.8	German
3899219	Audi AG	22/11/2019	3899219	19809057.3	German
3899299	Ultimaker B.V.	17/12/2019	3899299	19829345.8	
3901134	Qiangjiang Yongan Pharmaceutical Co., Ltd.	27/11/2020	3901134	20210296.8	
3901670	SICK AG	22/04/2020	3901670	20170903.7	German
3904780	ARISTON S.P.A.	09/04/2021	3904780	21000100.4	
3906344	Ravani S.r.l.	13/02/2020	3906344	20712680.6	
3907325	LG Electronics Inc.	04/05/2021	3907325	21171961.2	
3907749	Hitachi Energy Switzerland AG	06/05/2020	3907749	20173263.3	
3907835	Dornier MedTech Laser GmbH	05/05/2020	3907835	20172968.8	
3912408	Telefonaktiebolaget LM Ericsson (publ)	18/01/2019	3912408	19701209.9	
3913761	Patterson, Russell W	17/05/2021	3913761	21174030.3	
3913852	Mochalov, Timofey	14/07/2020	3913852	20185684.6	
3914180	Koninklijke Philips N.V.	22/01/2020	3914180	20700842.6	
3914466	Audi AG	20/01/2020	3914466	20702082.7	German
3914899	Accurion GmbH	23/01/2020	3914899	20702746.7	German
3917322	Koninklijke Philips N.V.	03/02/2020	3917322	20702311.0	
3919287	Deutsche Bahn AG	01/06/2021	3919287	21177153.0	German
3920422	INSIGHT SIP	01/06/2020	3920422	20315291.3	French
3920509	Deutsche Telekom AG	03/06/2020	3920509	20178017.8	
3921213	Mercedes-Benz Group AG	14/04/2021	3921213	21720185.4	German
3921308	ELI LILLY AND COMPANY	08/05/2020	3921308	20729401.8	

3922831	Safran Transmission Systems	10/06/2021	3922831	21178846.8	French
3922886	Safran Transmission Systems	10/06/2021	3922886	21178845.0	French
3925893	AIRBUS OPERATIONS (S.A.S.)	11/05/2021	3925893	21173400.9	French
3925894	Airbus Defence and Space SAS	26/06/2018	3925894	21183507.9	
	Airbus Defence and Space Netherlands B.V.				
3926300	SICK AG	18/06/2020	3926300	20180848.2	German
3927712	Chiracon GmbH	03/02/2020	3927712	20711034.7	German
3928317	Google LLC	13/10/2020	3928317	20799955.8	
3928532	Telefonaktiebolaget LM Ericsson (publ)	21/02/2019	3928532	19707754.8	
3928699	BHEALTHCARE	23/06/2021	3928699	21181185.6	French
3929077	LEONARDO S.p.A.	25/06/2020	3929077	20182377.0	
	Politecnico di Milano				
3929078	LEONARDO S.p.A.	25/06/2020	3929078	20182389.5	
	Politecnico di Milano				
3930205	Rosenberger Hochfrequenztechnik GmbH & Co. KG	24/06/2020	3930205	20182053.7	German
3930676	Flagship Pioneering Innovations VI, LLC	01/03/2020	3930676	20715240.6	
3931051	Edscha Engineering GmbH	07/04/2020	3931051	20720346.4	German
3932019	Beckhoff Automation GmbH	18/03/2020	3932019	20712914.9	German
3934538	Koninklijke Philips N.V.	05/03/2020	3934538	20707134.1	
3936377	Artsana S.p.A.	17/06/2021	3936377	21180132.9	
3936937	ASML Netherlands B.V.	11/06/2021	3936937	21179014.2	
3937314	TCC RFTECH Co., Ltd.	05/07/2021	3937314	21183672.1	
3938088	MyBiotech GmbH	13/05/2020	3938088	20731380.0	German
3939042	Xenergetic AB	13/03/2020	3939042	20709240.4	
3939255	Dolby Laboratories Licensing Corporation	11/12/2020	3939255	20855825.4	
	Dolby International AB				
3943201	Solystic	06/05/2021	3943201	21172566.8	French
3944732	Effegi Brevetti S.r.l.	27/01/2021	3944732	21702433.0	
3946573	SpectraCure AB	06/04/2020	3946573	20716798.2	
3948231	Evonik Operations GmbH	23/06/2020	3948231	20734186.8	
3952941	Fineheart	27/03/2020	3952941	20713904.9	French
3953494	Egas Consulting Societa' a Responsabilita' Limitata Semplificata	06/04/2020	3953494	20718610.7	

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3955393	Yazaki Corporation	06/08/2021	3955393	21190146.7	
3957265	Meilleur Co., Ltd.	30/06/2020	3957265	20789434.6	
3965416	Axis AB	08/09/2020	3965416	20194958.3	
3970349	Motorola Solutions, Inc.	03/06/2020	3970349	20747228.3	
3972866	Audi AG	13/05/2020	3972866	20730191.2	German
3977765	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	25/06/2019	3977765	19735665.2	
3980471	SPCM SA	07/05/2020	3980471	20740684.4	French

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1713724	Aspen Aerogels Inc.	05/01/2005	1713724	05705087.4	
1807722	THE GENERAL HOSPITAL CORPORATION	02/11/2005	1807722	05817260.2	
2045947	Samsung Electronics Co., Ltd.	06/10/2008	2045947	08165917.9	
2113814	Ricoh Company, Ltd.	22/04/2009	2113814	09158409.4	
2186561	Kabushiki Kaisha Toshiba Toshiba Materials Co., Ltd.	05/09/2008	2186561	08829551.4	
2262550	Medtronic MiniMed, Inc.	25/03/2009	2262550	09729293.2	
2276367	Gottlieb Binder GmbH & Co. KG	10/02/2009	2276367	09719322.1	German
2359858	N.V. Nutricia	24/08/2005	2359858	10180272.6	
2413971	Winnington AB	03/04/2009	2413971	09842782.6	
2414532	versalis S.p.A.	31/03/2010	2414532	10715357.9	
2427141	Hansa Medical Products, Inc.	19/04/2010	2427141	10772449.4	
2435128	Life Technologies Corporation	27/05/2010	2435128	10780930.3	
2493992	PPG Industries Ohio, Inc.	26/10/2010	2493992	10779109.7	
2498849	The Board of Trustees of the Leland Stanford Junior University	11/11/2010	2498849	10830751.3	
2499170	Ethicon LLC	21/10/2010	2499170	10828795.4	
2503674	Mitsubishi Electric Corporation	20/11/2009	2503674	09851474.8	
2505974	X-Rite Switzerland GmbH	10/05/2011	2505974	11165481.0	German
2507920	Samsung Electronics Co., Ltd.	03/12/2010	2507920	10834793.1	
2507929	Marvell Asia Pte, Ltd.	02/12/2010	2507929	10796206.0	
2520691	Toyo Tanso Co., Ltd.	28/12/2010	2520691	10841065.5	
2531225	OrthoMedex LLC	04/02/2011	2531225	11740446.7	
2541146	General Electric Company	19/06/2012	2541146	12172568.3	
2561139	Pandrol	20/04/2011	2561139	11731430.2	French
2569642	Tecan Trading AG	14/05/2010	2569642	10720750.8	

2572161	Chapman, Paul	16/05/2011	2572161	11782762.6	
2575194	GS Yuasa International Ltd.	28/09/2012	2575194	12186542.2	
2584695	IHI Corporation	13/06/2011	2584695	11795681.3	
2586090	Samsung SDI Co., Ltd. Robert Bosch GmbH	10/05/2011	2586090	11718741.9	German
2593873	First Wave Technology Pty Ltd	15/07/2011	2593873	11806150.6	
2627855	Cubility AS	29/09/2011	2627855	11832811.1	
2631261	SKC Co., Ltd.	19/10/2011	2631261	11834621.2	
2633981	Johnson & Johnson Vision Care, Inc.	21/08/2008	2633981	13159082.0	
2638347	Berry Metal Company	10/11/2011	2638347	11785878.7	
2644683	IFP Energies nouvelles	11/03/2013	2644683	13305267.0	French
2645997	UCB Pharma GmbH	01/12/2011	2645997	11791442.4	
2664375	Sony Group Corporation	03/02/2012	2664375	12748868.2	
2667256	Canon Kabushiki Kaisha	22/04/2013	2667256	13164775.2	
2675048	General Electric Technology GmbH	10/06/2013	2675048	13171188.9	
2675360	University of Rochester	14/02/2012	2675360	12747439.3	
2676458	Element Six Technologies Limited	07/02/2012	2676458	12703515.2	
2684150	Qlucore AB	09/03/2012	2684150	12709831.7	
2691590	eds - electric drive solution GmbH & Co. KG	22/03/2012	2691590	12716269.1	German
2704271	NGK Spark Plug Co., Ltd.	30/08/2013	2704271	13182432.8	
2712711	Makita Corporation	17/09/2013	2712711	13184853.3	
2723303	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. Vita Zahnfabrik H. Rauter GmbH & Co. KG DeguDent GmbH	21/06/2012	2723303	12745412.2	
2723750	CLAP Co., Ltd.	20/06/2012	2723750	12730461.6	
2735657	Linde Hydraulics GmbH & Co. KG	05/11/2013	2735657	13191528.2	German
2736103	Seeo, Inc	27/11/2013	2736103	13194731.9	
2742899	DENTSPLY SIRONA Inc.	06/10/2005	2742899	14000954.9	
2750298	Telefonaktiebolaget LM Ericsson (publ)	30/06/2010	2750298	14162439.5	
2755507	Wolff, James B.	12/09/2012	2755507	12831539.7	
2757912	R. J. Reynolds Tobacco Company	22/08/2012	2757912	12753893.2	
2760538	Nyxoah SA	28/09/2012	2760538	12843244.0	
2778892	Esko Software BV	31/01/2014	2778892	14153435.4	
2783470	Samtec, Inc.	08/11/2012	2783470	12851124.3	

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2789944	Samsung Electronics Co., Ltd.	11/04/2014	2789944	14164505.1	
2791792	Microsoft Technology Licensing, LLC	15/12/2012	2791792	12857400.1	
2793794	Iwalkfree Inc.	19/12/2012	2793794	12815921.7	
2806457	Commissariat à l'Énergie Atomique et aux Énergies Alternatives	21/05/2014	2806457	14169285.5	French
2808982	Mitsubishi Electric Corporation	25/01/2012	2808982	12866453.9	
2817646	Allegro MicroSystems, LLC	13/02/2013	2817646	13710112.7	
2817871	Doosan Heavy Industries & Construction Co., Ltd.	15/02/2013	2817871	13751180.4	
2823030	GEA Mechanical Equipment GmbH	28/02/2013	2823030	13711314.8	German
2832314	Medos International Sarl	30/07/2014	2832314	14179156.6	
2842512	Terumo Kabushiki Kaisha	19/04/2013	2842512	13781587.4	
2843543	FUJITSU LIMITED	16/07/2014	2843543	14177225.1	
2849551	Rockwell Automation Asia Pacific Business Ctr. Pte., Ltd.	18/08/2014	2849551	14181289.1	
2849678	JenaValve Technology, Inc. Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	10/04/2013	2849678	13714940.7	
2849753	SANOFI	13/05/2013	2849753	13722414.3	
2853832	Honeywell International Inc.	21/08/2014	2853832	14181869.0	
2855268	Lufthansa Technik AG	24/05/2013	2855268	13725079.1	German
2856086	Endress+Hauser SE+Co. KG	21/05/2013	2856086	13725129.4	German
2858572	Koninklijke Philips N.V.	06/06/2013	2858572	13742507.0	
2863059	Daikin Industries, Ltd.	18/04/2013	2863059	13804097.7	
2867090	Scania CV AB	26/06/2013	2867090	13812693.3	
2867866	Mobilisis d.o.o.	11/01/2013	2867866	13735637.4	
2868299	NEW PHASE LTD	22/08/2010	2868299	14192528.9	
2870396	Continental Automotive Technologies GmbH	28/06/2013	2870396	13732515.5	German
2873884	SKF Aerospace France Aktiebolaget SKF	13/11/2014	2873884	14193089.1	
2881745	ROSEMOUNT AEROSPACE INC.	08/12/2014	2881745	14196830.5	
2884361	Siemens Aktiengesellschaft	12/12/2013	2884361	13196906.5	German
2887262	Visual Technology Services Ltd.	28/11/2014	2887262	14195530.2	
2887911	Globus Medical, Inc.	27/08/2013	2887911	13832630.1	
2893951	Covidien LP	06/01/2015	2893951	15150154.1	
2895098	Intuitive Surgical Operations, Inc.	16/09/2013	2895098	13836661.2	

2897193	Samsung SDI Co., Ltd.	28/11/2014	2897193	14195498.2	
2901149	Strathkelvin Instruments Limited	30/09/2013	2901149	13771204.8	
2902553	Esco Group LLC	28/03/2007	2902553	15151949.3	
2909912	WiTricity Corporation	21/10/2013	2909912	13789094.3	
2913910	VALEO EQUIPEMENTS ELECTRIQUES MOTEUR	23/02/2015	2913910	15156084.4	French
2916716	Luciole Medical AG	01/11/2013	2916716	13791952.8	German
2917718	Sony Group Corporation	03/10/2013	2917718	13789050.5	
2919844	Hollister Incorporated	12/03/2013	2919844	13716493.5	
2920021	Volkswagen Aktiengesellschaft Audi AG	24/10/2013	2920021	13783321.6	
2930992	LG Electronics Inc.	06/12/2013	2930992	13861482.1	
2934561	Arabian German Medical Products Co. W.L.L.	20/12/2013	2934561	13836199.3	
2936008	FläktGroup Sweden AB	03/12/2013	2936008	13864219.4	
2936256	SOMFY ACTIVITES SA	16/12/2013	2936256	13818316.5	French
2936300	Qualcomm Incorporated	10/12/2013	2936300	13824694.7	
2937858	Hyundai Motor Company	23/04/2015	2937858	15164830.0	
2937859	Hyundai Motor Company	23/04/2015	2937859	15164836.7	
2939796	The Boeing Company	05/12/2014	2939796	14196483.3	
2948734	Rieter Ingolstadt GmbH	20/12/2013	2948734	13817926.2	German
2950163	Canon Kabushiki Kaisha	17/04/2015	2950163	15163962.2	
2954091	Oerlikon Surface Solutions AG, Pfäffikon	17/01/2014	2954091	14700558.1	
2956833	Volkswagen Aktiengesellschaft Audi AG Scania CV AB	11/02/2014	2956833	14704133.9	German
2957399	CRIPPA S.P.A.	18/06/2015	2957399	15002271.3	
2960073	Bombardier Transportation GmbH	26/06/2014	2960073	14174587.7	
2961630	Volvo Truck Corporation	27/02/2013	2961630	13708088.3	
2967681	Spinal Elements, Inc.	28/02/2014	2967681	14774714.1	
2968621	Cornell University Memorial Sloan-Kettering Cancer Center The Curators of the University of Missouri	17/03/2014	2968621	14763612.0	
2968766	Eli Lilly and Company	07/03/2014	2968766	14712519.9	



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2970412	Promega Corporation	13/03/2014	2970412	14769752.8	
2970499	Novo Nordisk A/S	14/03/2014	2970499	14710541.5	
2970769	SunCoke Technology and Development LLC	14/03/2014	2970769	14769676.9	
2971278	The Broad Institute, Inc. President and Fellows of Harvard College	14/03/2014	2971278	14764060.1	
2973773	Xilinx, Inc.	09/01/2014	2973773	14701646.3	
2982644	Panasonic Intellectual Property Management Co., Ltd.	19/03/2014	2982644	14779593.4	
2990085	NINTENDO CO., LTD.	29/08/2014	2990085	14306332.9	
2992513	Smith & Nephew, Inc.	05/05/2014	2992513	14755118.8	
2992973	The Boeing Company	02/09/2015	2992973	15183439.7	
2996584	Gyrus ACMI, Inc., d.b.a. Olympus Surgical Technologies America	15/09/2014	2996584	14777986.2	
2997237	Nuovo Pignone Tecnologie - S.r.l.	12/05/2014	2997237	14725406.4	
2997552	Crane Payment Innovations Limited	15/05/2014	2997552	14725515.2	
2999345	Curza Global LLC University of Utah Research Foundation	21/05/2014	2999345	14735722.2	
3003195	Selenium Medical	26/05/2014	3003195	14731719.2	French
3004732	Harman Professional Denmark ApS	02/06/2014	3004732	14807824.9	
3007976	Latecoere	13/06/2014	3007976	14736655.3	French
3010408	Northeastern University	20/06/2014	3010408	14814369.6	
3011305	Universiteit Leiden	19/06/2014	3011305	14737339.3	
3012833	Panasonic Intellectual Property Corporation of America	10/06/2014	3012833	14814417.3	
3013227	Koninklijke Philips N.V.	25/06/2014	3013227	14742362.8	
3013885	CLAP Co., Ltd.	23/06/2014	3013885	14732177.2	
3023705	Englhardt, Norbert Schmidt, Markus Reichenbach, Albert	23/02/2015	3023705	15156137.0	German
3023870	Samsung Electronics Co., Ltd.	18/11/2015	3023870	15195068.0	
3027594	University College Cardiff Consultants Limited	31/07/2014	3027594	14744880.7	
3032889	ZTE Corporation	19/06/2014	3032889	14834730.5	

3037157	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. MUW SCREENTEC Filter- und Präzisionstechnik aus Metall GmbH	16/12/2015	3037157	15200379.4	German
3039662	Continental Automotive Technologies GmbH	22/08/2014	3039662	14753276.6	German
3041812	California Institute of Technology	04/09/2014	3041812	14842763.6	
3042370	Robert Bosch GmbH	01/09/2014	3042370	14758379.3	German
3049005	Adagio Medical, Inc.	22/09/2014	3049005	14849988.2	
3049126	Gipson, Keith	22/09/2014	3049126	14849151.7	
3051074	General Electric Company	14/01/2016	3051074	16151244.7	
3054141	Raytheon Technologies Corporation	09/02/2016	3054141	16154894.6	
3058792	Nayax Ltd.	12/10/2014	3058792	14853733.5	
3063163	Chromadex Inc.	30/10/2014	3063163	14857903.0	
3064568	Korea Institute of Science and Technology	28/10/2014	3064568	14857332.2	
3065436	Ricoh Company, Ltd.	25/02/2016	3065436	16157392.8	
3067575	Kwantex Research Inc.	06/11/2015	3067575	15193537.6	
3069733	National Defense Education and Research Foundation	13/11/2013	3069733	13897632.9	
3072444	Hyundai Motor Company	23/03/2016	3072444	16161805.3	
3080232	Bioall International Greentech Co., Limited	10/12/2014	3080232	14870192.3	
3083703	DuPont Nutrition Biosciences ApS	17/12/2014	3083703	14812744.2	
3087357	Safran Helicopter Engines	22/12/2014	3087357	14831003.0	French
3093999	VIA Alliance Semiconductor Co., Ltd.	19/11/2015	3093999	15195312.2	
3104299	Heidelberger Druckmaschinen AG	03/05/2016	3104299	16168000.4	German
3104494	Mitsubishi Electric Corporation Mitsubishi Electric Home Appliance Co., Ltd.	03/02/2015	3104494	15744065.2	
3104702	Merck Sharp & Dohme LLC	06/02/2015	3104702	15748558.2	
3105517	DPKL	06/02/2015	3105517	15709224.8	French
3105969	MEDIATEK INC.	04/03/2015	3105969	15758394.9	
3106910	Hamamatsu Photonics K.K.	03/02/2015	3106910	15748967.5	
3108042	Momentive Performance Materials Quartz, Inc.	20/02/2015	3108042	15752086.7	
3108205	Novelis, Inc.	16/02/2015	3108205	15707477.4	

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3108555	Cummins Power Generation IP, Inc. Cummins Power Generation Ltd. (UK)	19/02/2015	3108555	15751413.4	
3109119	Volvo Car Corporation	23/06/2015	3109119	15173381.3	
3110901	Arkema Inc.	23/02/2015	3110901	15754674.8	
3112769	Samsung Electronics Co., Ltd.	30/03/2016	3112769	16162963.9	
3112838	Viavi Solutions Deutschland GmbH	29/06/2016	3112838	16176809.8	
3113053	Rolls-Royce plc	03/06/2016	3113053	16172873.8	
3113851	Latchways Plc.	03/03/2015	3113851	15707767.8	
3116402	Qview Medical Inc.	26/11/2014	3116402	14867850.1	
3119272	Welch Allyn, Inc.	16/03/2015	3119272	15764618.3	
3119520	Environmental Express Inc.	06/03/2015	3119520	15764903.9	
3122682	KRONES Aktiengesellschaft	26/02/2015	3122682	15708155.5	German
3122952	Rockwool International A/S	25/03/2015	3122952	15767757.6	
3123560	Hirschmann Car Communication GmbH	26/03/2015	3123560	15712900.8	German
3123721	Rozo Systems	26/03/2015	3123721	15769349.0	French
3126032	Caterpillar Inc.	19/02/2015	3126032	15711912.4	
3126194	Fairwood Innovation A/S	31/03/2015	3126194	15716983.0	
3126286	Hamed, Enass Abo Scherman, Oren Appel, Eric Andrew	31/03/2015	3126286	15722563.2	
3129081	Fresenius Medical Care Deutschland GmbH	31/03/2015	3129081	15722651.5	German
3130621	Dow Quimica Mexicana S.A.de C.V.	19/12/2014	3130621	14846775.6	
3130637	Mitsubishi Chemical Corporation	08/04/2015	3130637	15776958.9	
3131837	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	14/04/2014	3131837	14723322.5	German
3136926	Essity Hygiene and Health Aktiebolag	28/04/2014	3136926	14890725.6	
3138178	Sony Group Corporation	10/09/2014	3138178	14784522.6	
3140615	Continental Automotive Technologies GmbH	07/05/2015	3140615	15723187.9	German
3142593	Covidien LP	29/04/2015	3142593	15793145.2	
3142713	S.C. Johnson & Son, Inc.	12/05/2015	3142713	15735764.1	
3143368	TomTom Traffic B.V.	12/05/2015	3143368	15721020.4	
3146309	SNCF Réseau	20/05/2015	3146309	15734217.1	French
3146792	NEC Corporation	12/05/2015	3146792	15891494.5	
3147594	Parker-Hannifin Corporation	03/04/2013	3147594	16196250.1	

3148885	AptarGroup, Inc.	28/05/2014	3148885	14893579.4	
3149251	Geberit International AG	13/05/2015	3149251	15721734.0	German
3149418	Highview Enterprises Limited	28/05/2015	3149418	15729883.7	
3151694	Dee Luxe Sportartikel Handels GmbH	01/06/2015	3151694	15726595.0	German
3152379	Pilkington Group Limited	03/06/2015	3152379	15728104.9	
3154909	Jiangsu Hengtron Nanotech Co., Ltd.	14/05/2015	3154909	15724497.1	
3155299	Jaguar Land Rover Limited	01/06/2015	3155299	15726951.5	
3155454	Continental Automotive Technologies GmbH	09/06/2015	3155454	15727968.8	German
3156298	Volvo Car Corporation	13/10/2015	3156298	15189537.2	
3157307	Seoul Semiconductor Co., Ltd.	04/06/2015	3157307	15806981.5	
3157898	P2 Science, Inc.	19/06/2015	3157898	15809565.3	
3158220	ContiTech Vibration Control GmbH	15/06/2015	3158220	15728865.5	German
3161373	Valeo Vision	26/06/2015	3161373	15731933.6	French
3161591	Sensel, Inc.	25/06/2015	3161591	15811995.8	
3161878	Texas Instruments Incorporated	30/06/2015	3161878	15816000.2	
3163363	Samsung Display Co., Ltd.	26/10/2016	3163363	16195832.7	
3170368	BSH Hausgeräte GmbH	22/06/2015	3170368	15734316.1	German
3174099	LG Display Co., Ltd.	08/09/2016	3174099	16187747.7	
3177753	Okinawa Institute of Science and Technology School Corporation	08/07/2015	3177753	15828966.0	
3184324	Goodrich Corporation	20/12/2016	3184324	16205280.7	
3185058	China Aviation Optical-Electrical Technology Co. Ltd. ZTE Corporation	13/04/2015	3185058	15833151.2	
3185876	The General Hospital Corporation	27/08/2015	3185876	15835807.7	
3186475	Welltec Oilfield Solutions AG	26/08/2015	3186475	15754225.9	
3187323	KYOCERA Document Solutions Inc.	17/08/2016	3187323	16847623.2	
3187326	Krones AG	18/08/2006	3187326	17154301.0	German
3194914	Ortho-Clinical Diagnostics, Inc.	17/09/2015	3194914	15841304.7	
3195419	Bel Fuse (Macao Commercial Offshore) Limited	20/08/2015	3195419	15834414.3	
3197904	Cold Spring Harbor Laboratory	23/09/2015	3197904	15843249.2	
3202364	Ferton Holding S.A.	04/02/2016	3202364	16154213.9	
3202699	TK Home Solutions B.V.	03/02/2016	3202699	16154071.1	
3206573	Mainstay Medical Limited	14/10/2015	3206573	15784169.3	
3207920	L'OREAL	14/01/2008	3207920	17158774.4	French

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3209811	Laserbond Limited	26/10/2015	3209811	15852743.2	
3212316	Drocco, Luca Drocco, Mario	27/10/2015	3212316	15805260.5	
3213019	BSH Hausgeräte GmbH	21/10/2015	3213019	15791527.3	German
3213134	Prysmian S.p.A.	31/10/2014	3213134	14795803.7	
3215239	Dräger Safety AG & Co. KGaA	04/11/2015	3215239	15794463.8	German
3215833	Bourns Incorporated	15/09/2015	3215833	15842228.7	
3216959	HAUTAU GmbH	15/10/2009	3216959	17169549.7	German
3218147	Illinois Tool Works Inc.	10/11/2015	3218147	15797756.2	
3218221	CPS Technology Holdings LLC	12/11/2015	3218221	15805659.8	
3218539	SEB S.A. Institut National Des Sciences Appliquées De Lyon Université Claude Bernard Lyon 1 Le Centre National De La Recherche Scientifique	10/11/2015	3218539	15804890.0	French
3218682	BASF Coatings GmbH	13/11/2015	3218682	15820047.7	German
3220258	FUJIFILM Business Innovation Corp.	02/08/2016	3220258	16182464.4	
3220644	InterDigital VC Holdings, Inc.	08/03/2017	3220644	17159891.5	
3221742	EyeSense GmbH	06/02/2016	3221742	16703956.9	German
3222232	In Queue Innovations, LLC	02/10/2012	3222232	17167817.0	
3223327	Samsung Display Co., Ltd.	15/03/2017	3223327	17161113.0	
3224840	Aperam	25/11/2014	3224840	14824098.9	French
3226981	ResMed Pty Ltd	04/12/2015	3226981	15865965.6	
3227285	Syngenta Participations AG	24/11/2015	3227285	15804347.1	
3228724	Rovalma, S.A.	08/06/2007	3228724	17151574.5	German
3228857	The Boeing Company	16/01/2017	3228857	17151553.9	
3229362	LSIS Co., Ltd.	29/11/2016	3229362	16201180.3	
3229546	Nokia Solutions and Networks Oy	05/04/2017	3229546	17164878.5	
3230062	3M Innovative Properties Company	07/12/2015	3230062	15828415.8	
3233269	ExxonMobil Chemical Patents Inc.	16/11/2015	3233269	15801298.9	
3239324	Posco	21/12/2015	3239324	15873580.3	
3240147	Hitachi Astemo, Ltd.	18/11/2015	3240147	15872558.0	
3240279	CANON KABUSHIKI KAISHA	18/12/2015	3240279	15872934.3	
3240750	3M Innovative Properties Company	16/12/2015	3240750	15875963.9	
3241509	Gualdi, Alessandro	03/05/2016	3241509	16168081.4	

3242755	TRUMPF Maschinen Austria GmbH & Co. KG.	08/01/2016	3242755	16706512.7	German
3244878	Enteris BioPharma, Inc.	12/01/2016	3244878	16708750.1	
3245028	President and Fellows of Harvard College	12/01/2016	3245028	16780397.2	
3245396	Henn GmbH & Co KG.	12/01/2016	3245396	16705705.8	German
3245541	Chevron U.S.A. Inc.	06/01/2016	3245541	16701373.9	
3246531	Raytheon Technologies Corporation	18/05/2017	3246531	17171801.8	
3248390	Tectonic Audio Labs, Inc.	08/01/2016	3248390	16740504.2	
3249482	Cenit AG Airbus Operations GmbH	27/05/2016	3249482	16171696.4	
3249770	General Electric Company	24/05/2017	3249770	17290070.6	
3249850	University-Industry Cooperation Group of Kyung Hee University	18/01/2016	3249850	16740364.1	
3250269	Aptar Stelmi SAS	28/01/2016	3250269	16707843.5	French
3254264	Universal Electronics, Inc.	01/02/2016	3254264	16747061.6	
3255766	BSH Hausgeräte GmbH	01/06/2017	3255766	17173976.6	German
3257193	Mobile Iron, Inc.	26/01/2016	3257193	16743966.0	
3258525	Doosan Corporation	02/04/2015	3258525	15882109.0	
3258982	Medela Holding AG	09/02/2016	3258982	16703550.0	German
3260411	Jungheinrich Aktiengesellschaft	22/06/2017	3260411	17177385.6	German
3260813	Northwest Instrument Inc.	18/03/2015	3260813	15882342.7	
3263116	ReGold ApS	29/06/2017	3263116	17178814.4	
3264120	The Doshisha	24/02/2016	3264120	16755532.5	
3265260	Ridge Tool Company	05/10/2015	3265260	15884902.6	
3266360	Sanhua AWECO Appliance Systems GmbH	29/06/2017	3266360	17178568.6	German
3268442	Henkel IP & Holding GmbH Henkel AG & Co. KGaA	23/02/2016	3268442	16759269.0	
3269344	Tokai University Educational System Keio University Juntendo Educational Foundation	14/03/2016	3269344	16764474.9	
3270173	Hitachi Astemo, Ltd.	04/03/2016	3270173	16761649.9	
3273765	Techtronic Outdoor Products Technology Limited	24/03/2016	3273765	16771314.8	
3274692	Illumina, Inc. Illumina Cambridge Limited	22/03/2016	3274692	16716095.1	

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3278343	Alstom Technology Limited	31/03/2015	3278343	15716944.2	
3280672	Otis Elevator Company	10/04/2015	3280672	15750103.2	
3281771	Stratasys Ltd.	21/04/2011	3281771	17184213.1	
3283535	Cornell University	14/04/2016	3283535	16780749.4	
3283892	Eaton Intelligent Power Limited	15/04/2016	3283892	16780805.4	
3285998	Ensinger GmbH	22/04/2016	3285998	16720073.2	German
3286255	Carbitex, Inc.	21/04/2016	3286255	16724495.3	
3286522	Israel Aerospace Industries Ltd.	07/04/2016	3286522	16782726.0	
3286776	Dehon S.A.	18/04/2016	3286776	16719341.6	French
3288392	Mars, Incorporated	28/04/2016	3288392	16787154.0	
3288510	Medtrade Products Limited	25/04/2016	3288510	16725196.6	
3290834	Linde GmbH	23/12/2016	3290834	16206531.2	
3291810	CHDI Foundation, Inc.	06/05/2016	3291810	16790203.0	
3294073	Mybiotics Pharma Ltd	09/05/2016	3294073	16792262.4	
3295722	Apple Inc.	25/09/2015	3295722	15781485.6	
3296067	Hirata Corporation	06/09/2017	3296067	17001492.2	
3296823	Honeywell Limited	12/09/2017	3296823	17190727.2	
3297025	Sony Group Corporation	02/05/2016	3297025	16796295.0	
3297464	Hon, Lik	19/08/2016	3297464	16901450.3	
3298138	DuPont Nutrition Biosciences ApS	18/05/2016	3298138	16736945.3	
3298755	Continental Automotive Technologies GmbH	18/05/2016	3298755	16723740.3	German
3299825	SNCF Voyageurs	12/09/2017	3299825	17190673.8	French
3300289	Mitsubishi Electric Corporation	22/05/2015	3300289	15893214.5	
3301239	Fuchs Design GmbH	28/09/2017	3301239	17193653.7	German
3302877	Applied Materials, Inc.	27/05/2016	3302877	16804163.0	
3302942	Saint-Gobain ADFORS Canada, Ltd.	26/05/2016	3302942	16800736.7	
3303507	RHODIA OPERATIONS	03/06/2016	3303507	16730720.6	
3303674	Nike Innovate C.V.	25/05/2016	3303674	16728183.1	
3304019	Endress+Hauser SE+Co. KG	10/05/2016	3304019	16721811.4	German
3304228	ABB Schweiz AG	01/06/2015	3304228	15727620.5	
3304577	Micromass UK Limited	31/05/2016	3304577	16727783.9	
3304881	Apple Inc.	03/06/2016	3304881	16730623.2	
3305129	Sanwa Tooth Brush Industrial Limited Partnership	14/04/2016	3305129	16799704.8	
3306133	Sejin-igb Co., Ltd.	04/03/2016	3306133	16807660.2	
3306196	Rolls-Royce Deutschland Ltd & Co KG	04/10/2017	3306196	17194774.0	German

3306789	Mitsubishi Electric Corporation	27/05/2015	3306789	15893333.3	
3307127	3M Innovative Properties Company	07/06/2016	3307127	16808096.8	
3307664	INVISTA Technologies S.à r.l.	10/06/2016	3307664	16808405.1	
3308043	Schaeffler Technologies AG & Co. KG	08/06/2016	3308043	16750091.7	German
3308044	Schaeffler Technologies AG & Co. KG	08/06/2016	3308044	16753243.1	German
3308183	Commissariat à l'Energie Atomique et aux Energies Alternatives	10/06/2016	3308183	16729869.4	French
3309852	Samsung Electronics Co., Ltd.	11/10/2017	3309852	17195830.9	
3310562	JF Polymers (Suzhou) Co. Ltd.	26/04/2016	3310562	16810835.5	
3310745	Firmenich SA	16/06/2016	3310745	16733007.5	
3310866	BASF SE	08/06/2016	3310866	16732476.3	German
3310902	Aspect Biosystems Ltd.	16/06/2016	3310902	16810681.3	
3311477	INTEL Corporation	14/06/2016	3311477	16812245.5	
3312185	LG Chem, Ltd.	15/12/2016	3312185	16894698.6	
3314834	ORANGE	23/06/2016	3314834	16747813.0	French
3314939	Airspan IP Holdco LLC	05/05/2016	3314939	16721895.7	
3317596	Emerson Digital Cold Chain, Inc.	30/06/2016	3317596	16818821.7	
3318272	ELI LILLY AND COMPANY	07/06/2011	3318272	17201603.2	
3318597	Shanjin Optoelectronics (Suzhou) Co.,LTD.	01/07/2016	3318597	16818282.2	
3320018	SHPP Global Technologies B.V.	07/06/2016	3320018	16730178.7	
3321536	Ortega Moreno, Lucio Antonio	07/07/2016	3321536	16823923.4	
3322070	Hamilton Sundstrand Corporation	13/11/2017	3322070	17201437.5	
3322268	Mitsubishi Gas Chemical Company, Inc.	04/07/2016	3322268	16821362.7	
3325232	Robert Bosch GmbH	08/06/2016	3325232	16728924.8	German
3326758	Valentini, Guido	28/11/2016	3326758	16200989.8	
3330324	Dow Global Technologies Llc Rohm and Haas Company	22/11/2017	3330324	17203068.6	
3330862	VIA Alliance Semiconductor Co., Ltd.	20/12/2016	3330862	16205391.2	
3332567	BlackBerry Limited	22/09/2016	3332567	16849580.2	
3334942	ebm-papst Mulfingen GmbH & Co. KG	20/04/2017	3334942	17719544.3	German
3335128	Oracle International Corporation	20/05/2016	3335128	16726746.7	
3336293	Stabilus GmbH	13/12/2017	3336293	17206944.5	German
3336490	mdGroup Germany GmbH	14/12/2016	3336490	16204041.4	German
3336530	Toray Industries, Inc.	08/08/2016	3336530	16835136.9	
3337585	LEGO A/S	16/08/2016	3337585	16753350.4	



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3338895	Miltenyi Biotec B.V. & Co. KG	08/12/2008	3338895	17180590.6	
3338941	Winema Maschinenbau GmbH	21/12/2017	3338941	17209227.2	German
3339650	Grundfos Holding A/S	21/12/2016	3339650	16205701.2	German
3339703	SVM Schultz Verwaltungs-GmbH & Co. KG	21/12/2017	3339703	17209883.2	German
3340306	Google LLC	03/11/2015	3340306	18154512.0	
3340438	MOLABO GmbH	21/12/2016	3340438	16205839.0	
3340964	L'OREAL	26/08/2016	3340964	16760431.3	
3341727	Duke University	25/08/2016	3341727	16840171.9	
3342168	Samsung Electronics Co., Ltd.	18/10/2016	3342168	16857744.3	
3342561	Kawasaki Jukogyo Kabushiki Kaisha	27/05/2016	3342561	16838711.6	
3342586	Sumitomo Electric Industries, Ltd. Sumitomo Electric Sintered Alloy, Ltd.	22/08/2016	3342586	16839238.9	
3342827	Lotte Advanced Materials Co., Ltd.	23/08/2016	3342827	16839584.6	
3343129	Mitsubishi Electric Corporation	06/03/2015	3343129	18154965.0	
3343507	Dassault Systèmes	30/12/2016	3343507	16306860.4	
3343684	LG Chem, Ltd.	25/08/2016	3343684	16839624.0	
3344374	Sweetch Energy Centre National de la Recherche Scientifique (CNRS)	02/09/2016	3344374	16766247.7	French
3345484	Impossible Foods Inc.	13/01/2014	3345484	17210528.0	
3345649	Raphas Co., Ltd.	14/04/2017	3345649	17799571.9	
3345702	Mitsubishi Materials Corporation	31/08/2016	3345702	16841870.5	
3346507	LG Electronics Inc.	29/12/2017	3346507	17211127.0	
3347197	Dow Quimica Mexicana S.A.de C.V. Dow Global Technologies LLC	30/08/2016	3347197	16767072.8	
3349306	ABB Schweiz AG	12/01/2017	3349306	17151113.2	French
3349614	Colgate-Palmolive Company	12/10/2015	3349614	15784539.7	
3350116	Commissariat à l'Énergie Atomique et aux Énergies Alternatives	15/09/2016	3350116	16775495.1	French
3351074	CLAAS Saulgau GmbH	19/01/2018	3351074	18152577.5	German
3351352	Benteler Maschinenbau GmbH	19/01/2018	3351352	18152523.9	German
3351908	Yokogawa Electric Corporation ROTA YOKOGAWA GmbH & Co. KG	16/01/2018	3351908	18151824.2	
3352429	Hewlett Packard Enterprise Development LP	26/10/2017	3352429	17198540.1	

3352655	Covidien LP Addison, Paul Watson, James Montgomery, Dean	14/10/2016	3352655	16785668.1	
3353270	Shell Internationale Research Maatschappij B.V.	20/09/2016	3353270	16775528.9	
3354263	Jagotec AG	04/11/2004	3354263	18157741.2	
3355422	Agilent Technologies, Inc.	04/10/2017	3355422	17194803.7	
3356736	Schlumberger Technology B.V.	28/09/2016	3356736	16784620.3	
3357690	Mitsubishi Gas Chemical Company, Inc.	28/09/2016	3357690	16851634.2	
3360531	Regimen Kit, Inc.	02/09/2016	3360531	16841988.5	
3360643	NIPPON STEEL Stainless Steel Corporation	06/09/2016	3360643	16853369.3	
3360737	MAN Truck & Bus SE	23/01/2018	3360737	18152935.5	German
3361434	Elo Touch Solutions, Inc.	07/01/2015	3361434	18160139.4	
3361778	Sony Group Corporation	01/06/2011	3361778	18162574.0	
3362532	Pultrusion Technique Inc.	12/10/2016	3362532	16854679.4	
3362560	DuPont US Holding, LLC	11/10/2016	3362560	16791150.2	
3363101	IFP Energies nouvelles Enogia	03/10/2016	3363101	16778765.4	French
3363502	Toyota Jidosha Kabushiki Kaisha	15/02/2018	3363502	18156905.4	
3365028	Poznan University Of Medical Sciences The Regents of The University of Michigan	21/10/2016	3365028	16858371.4	
3365340	Incyte Corporation	18/10/2016	3365340	16787687.9	
3365511	DDP Specialty Electronic Materials US, LLC	29/04/2016	3365511	16857914.2	
3365907	General Electric Company	18/10/2016	3365907	16788894.0	
3367195	The Boeing Company	12/12/2017	3367195	17206759.7	
3369888	National Oilwell Varco, L.P.	10/02/2014	3369888	18156755.3	
3370233	Panasonic Intellectual Property Corporation of America	17/08/2015	3370233	18167772.5	
3370235	AU Optronics Corporation	02/03/2018	3370235	18159659.4	
3370325	Hitachi Astemo, Ltd.	05/10/2016	3370325	16859512.2	
3370552	RAI Strategic Holdings, Inc.	02/11/2016	3370552	16794434.7	
3370601	LifeQ Global Limited	07/11/2016	3370601	16862598.6	

3370636	Skarp Technologies (Delaware) Inc.	02/11/2016	3370636	16862906.1	
3370988	Eltek S.p.A.	31/10/2016	3370988	16812848.6	
3373242	Omron Corporation	27/10/2016	3373242	16861999.7	
3373267	Universal Electronics, Inc.	16/06/2004	3373267	18169113.0	
3373560	Nicira Inc.	15/11/2012	3373560	18167170.2	
3373835	KUKA Deutschland GmbH	09/11/2016	3373835	16794517.9	German
3374200	SAFESTAMP INC.	14/11/2016	3374200	16865240.2	
3374840	Drägerwerk AG & Co. KGaA	13/12/2017	3374840	17832632.8	
3375001	NV Bekaert SA	08/11/2016	3375001	16794579.9	
3375291	Chr. Hansen HMO GmbH	17/03/2017	3375291	17161671.7	
3375519	Heesung Catalysts Corporation	31/10/2016	3375519	16864490.4	
3375539	Sehon, Tiemo TLA-Technik e. K.	06/03/2018	3375539	18160241.8	German
3376004	General Electric Company	13/03/2018	3376004	18161446.2	
3376533	MEDIATEK Inc.	26/02/2018	3376533	18158685.0	
3377292	O&M Halyard, Inc.	18/11/2016	3377292	16816030.7	
3377488	Incyte Corporation	18/11/2016	3377488	16805690.1	
3377598	Oxford University Innovation Limited King Abdulaziz City for Science and Technology	18/11/2016	3377598	16801031.2	
3379876	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	22/03/2016	3379876	16894857.8	
3380811	Volkswagen Aktiengesellschaft	09/11/2016	3380811	16795286.0	German
3380975	Live Nation Entertainment, Inc.	17/11/2016	3380975	16806379.0	
3382413	Siemens Healthcare GmbH	27/03/2017	3382413	17162995.9	German
3383219	Ghassabian, Yoram	16/10/2016	3383219	16857010.9	
3383814	Corning Incorporated	29/11/2016	3383814	16810217.6	
3384000	Fermentalg	30/11/2016	3384000	16805090.4	French
3384107	PERI SE	29/11/2016	3384107	16801805.9	German
3384423	Cryptography Research, Inc.	01/12/2016	3384423	16871512.6	
3384690	General Electric Company	05/10/2016	3384690	16871216.4	
3385453	MTS Schrode AG	05/04/2018	3385453	18165848.5	German
3385646	Mitsubishi Electric Corporation	02/12/2015	3385646	15909778.1	
3386030	Huawei Technologies Co., Ltd.	31/12/2015	3386030	15911898.3	
3386456	Medtronic Xomed, Inc.	30/11/2016	3386456	16813266.0	
3386629	Trojan Technologies	12/12/2016	3386629	16871879.9	

3387712	Teleste Oyj	08/12/2016	3387712	16872472.2	
3387940	YKK Corporation	10/12/2015	3387940	15910251.6	
3387941	YKK Corporation	10/12/2015	3387941	15910252.4	
3388396	Electrophor, Inc.	21/07/2016	3388396	16873441.6	
3389301	Fujitsu Limited	08/12/2015	3389301	15910205.2	
3389740	Fresenius Medical Care Holdings, Inc.	14/12/2016	3389740	16876598.0	
3390237	Sidel Participations	14/12/2016	3390237	16825508.1	French
3390653	F. Hoffmann-La Roche AG	15/12/2016	3390653	16819854.7	
3391169	Kohler Mira Limited	02/12/2016	3391169	16808784.9	
3391188	Pure Storage, Inc.	31/10/2016	3391188	16798033.3	
3391639	Koninklijke KPN N.V.	16/12/2016	3391639	16809859.8	
	Nederlandse Organisatie voor toegepast- natuurwetenschappelijk onderzoek TNO				
3391651	Roku, Inc.	16/12/2016	3391651	16876800.0	
3392665	Greenlee Tools, Inc.	18/04/2018	3392665	18167882.2	
3393003	LG Energy Solution, Ltd.	08/11/2017	3393003	17873092.5	
3393703	Sandvik Intellectual Property AB	16/12/2016	3393703	16810406.5	
3393819	Bundesdruckerei GmbH	22/12/2016	3393819	16831813.7	German
3393862	Gestamp HardTech AB	09/12/2016	3393862	16879478.2	
3394538	EASTMAN CHEMICAL COMPANY	08/12/2016	3394538	16879871.8	
3395868	Toray Industries, Inc.	09/12/2016	3395868	16878424.7	
3395903	Mitsubishi Engineering-Plastics Corporation	28/11/2016	3395903	16878266.2	
3397259	Dana-Farber Cancer Institute, Inc.	30/12/2016	3397259	16882723.6	
3397556	Cytec Industries Inc.	29/12/2016	3397556	16834159.2	
3397885	SNAPLEV, INC	08/12/2016	3397885	16882284.9	
3398248	Illinois Tool Works, Inc.	22/12/2016	3398248	16826586.6	
3398581	Terumo Kabushiki Kaisha	26/12/2016	3398581	16881727.8	
3399572	Zeon Corporation	13/12/2016	3399572	16881626.2	
3399830	NEC Corporation	13/09/2016	3399830	16881433.3	
3400699	Microsoft Technology Licensing, LLC	29/12/2016	3400699	16826879.5	
3400920	Paul Hartmann AG	10/05/2017	3400920	17170323.4	German
3401228	Ide Electric, S.L.	30/11/2016	3401228	16883489.3	
3401462	Activa Leisure Inc.	30/04/2018	3401462	18020184.0	
3401778	Advanced New Technologies Co., Ltd.	26/12/2016	3401778	16883430.7	
3402201	INNOTIVE LTD	20/04/2012	3402201	18181673.7	

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3402202	INNATIVE LTD	20/04/2012	3402202	18181678.6	
3402909	Diarotech S.A.	16/01/2017	3402909	17703036.8	French
3403045	Tessel, Natanel Tessel, Mordechai	11/01/2017	3403045	17738861.8	
3403866	Mitsubishi Jidosha Kogyo Kabushiki Kaisha	17/05/2018	3403866	18172873.4	
3404053	SKC Co., Ltd.	30/04/2018	3404053	18170216.8	
3404176	U-Shin Italia S.p.A.	16/05/2017	3404176	17171402.5	French
3404662	NXP B.V.	06/04/2018	3404662	18166058.0	
3405683	SAAB AB	17/11/2016	3405683	16886676.2	
3405773	Weiss Technik GmbH	04/01/2017	3405773	17702526.9	German
3405781	Endress+Hauser Flow Deutschland AG	24/01/2017	3405781	17705024.2	German
3406076	Smits, Gerard Dirk	23/01/2017	3406076	17742125.2	
3406166	Jiangmen City Xinhui Henglong Innovative Housewares Co., Ltd.	12/06/2017	3406166	17175528.3	
3406167	Jiangmen City Xinhui Henglong Innovative Housewares Co., Ltd.	12/06/2017	3406167	17175532.5	
3408312	Saint-Gobain Performance Plastics Corporation	27/01/2017	3408312	17745027.7	
3408354	Trifol Resources Limited	30/03/2017	3408354	17715994.4	
3408959	Sharp Kabushiki Kaisha	27/01/2017	3408959	17703630.8	
3409431	Lifetextsafety GmbH	01/06/2018	3409431	18175566.1	German
3409710	Tokyo Printing Ink Mfg. Co., Ltd.	20/12/2016	3409710	16888192.8	
3411128	Continuus Pharmaceuticals, Inc.	03/02/2017	3411128	17748311.2	
3411374	Raynergy Tek Inc.	30/12/2016	3411374	16826705.2	
3411532	Teobaldelli, Ivan	23/01/2017	3411532	17701461.0	
3411984	QUALCOMM Incorporated	22/11/2016	3411984	16816485.3	
3413381	FDK Corporation	07/06/2018	3413381	18176589.2	
3414593	Robert Bosch GmbH	29/12/2016	3414593	16820304.0	German
3417767	FUJITSU LIMITED	11/06/2018	3417767	18176939.9	
3418067	Giesecke+Devrient Mobile Security GmbH	14/06/2018	3418067	18000518.3	German
3419103	LG Energy Solution, Ltd.	12/12/2017	3419103	17892717.4	
3419146	Guilin Zhishen Information Technology Co., Ltd.	09/04/2018	3419146	18740079.1	
3419963	Agilent Technologies, Inc.	24/02/2017	3419963	17757298.9	
3420321	Micro Motion, Inc.	26/02/2016	3420321	16891031.3	

3421160	Seco Tools AB	30/06/2017	3421160	17178933.2	
3421277	MAN Truck & Bus SE	30/05/2018	3421277	18175156.1	German
3423138	Koninklijke Philips N.V.	08/03/2017	3423138	17713445.9	
3423284	Hewlett-Packard Development Company, L.P.	04/03/2016	3423284	16708645.3	
3423554	The Lubrizol Corporation	20/02/2017	3423554	17708135.3	
3424250	Telefonaktiebolaget LM Ericsson (PUBL)	13/05/2016	3424250	16724351.8	
3424476	Daio Paper Corporation	24/02/2017	3424476	17759824.0	
3424857	Otis Elevator Company	12/06/2018	3424857	18177301.1	
3424867	Reid Lifting Limited	13/10/2015	3424867	18191979.6	
3426701	3M Innovative Properties Company	06/03/2017	3426701	17763821.0	
3426963	ALMEVA EAST EUROPE a.s.	03/03/2017	3426963	17716102.3	
3427763	SHANDONG RIENTECH MEDICAL TECH CO., LTD. Wang, Luning	10/03/2017	3427763	17762564.7	
3428487	Mec.Tre S.r.l.	25/06/2018	3428487	18000554.8	
3429578	Team Foods Colombia S.a.	14/03/2017	3429578	17727369.5	
3430378	Lucira Health, Inc.	14/03/2017	3430378	17767338.1	
3431291	Heidelberger Druckmaschinen AG	27/06/2018	3431291	18180050.9	German
3431354	Volkswagen Aktiengesellschaft	22/06/2018	3431354	18179234.2	German
3432120	Shenzhen Mindray Bio-Medical Electronics Co., Ltd	15/03/2016	3432120	16893883.5	
3432570	Aptiv Technologies Limited	17/03/2017	3432570	18177130.4	
3432889	The University of North Carolina at Chapel Hill	23/03/2017	3432889	17771138.9	
3433005	Shell Internationale Research Maatschappij B.V.	21/03/2017	3433005	17770946.6	
3433923	Intel Corporation	22/02/2017	3433923	17770792.4	
3434011	Sensormatic Electronics, LLC	21/03/2017	3434011	17717930.6	
3434739	Seiko Epson Corporation	25/07/2018	3434739	18185610.5	
3435916	Monarch Biosciences, Inc.	31/03/2017	3435916	17776846.2	
3438108	Shanghai Institute of Materia MedicaChinese Academy of Sciences	29/03/2017	3438108	17773232.8	
3438138	Kuraray Co., Ltd.	30/03/2017	3438138	17775472.8	
3439049	Suzhou Legin Semiconductor Co., Ltd.	29/09/2017	3439049	17882276.3	
3439377	Telefonaktiebolaget LM Ericsson (publ)	28/09/2015	3439377	18197298.5	

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3440087	Mankind Pharma Ltd.	05/04/2017	3440087	17726352.2	
3441697	Qingdao Hisense Hitachi Air- Conditioning Systems Co. Ltd.	25/03/2014	3441697	18198012.9	
3442099	Mitsubishi Electric Corporation	23/02/2017	3442099	17778887.4	
3442635	3M Innovative Properties Company	05/04/2017	3442635	17782858.9	
3442984	Quest Diagnostics Investments LLC	23/03/2017	3442984	17771121.5	
3443056	AAK AB (Publ)	12/04/2017	3443056	17782746.6	
3443365	Schneider Electric Industries SAS	07/04/2017	3443365	17717651.8	French
3443638	RAI Strategic Holdings, Inc.	12/04/2017	3443638	17718616.0	
3444845	BOE Technology Group Co., Ltd. Ordos Yuansheng Optoelectronics Co., Ltd.	10/01/2017	3444845	17730641.2	
3445886	Cosma Engineering Europe GmbH	21/04/2017	3445886	17720414.6	German
3446305	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	31/10/2016	3446305	16838051.7	
3446369	Phoenix Contact e-Mobility GmbH	06/04/2017	3446369	17717353.1	German
3448416	Novo Nordisk A/S	28/04/2017	3448416	17721109.1	
3450999	NXP B.V.	12/07/2018	3450999	18183207.2	
3451042	Eyelock, LLC	29/08/2018	3451042	18191541.4	
3451174	Hitachi Astemo, Ltd.	13/04/2017	3451174	17789284.1	
3452578	Children's Hospital Medical Center	05/05/2017	3452578	17793451.0	
3452858	Carl Zeiss Microscopy GmbH	26/04/2017	3452858	17719596.3	German
3453966	Raytheon Technologies Corporation	05/09/2018	3453966	18192778.1	
3454398	TOYOTA JIDOSHA KABUSHIKI KAISHA	27/08/2018	3454398	18190912.8	
3454822	BIO-ON S.p.A.	09/05/2017	3454822	17734453.8	
3455019	Reishauer AG	10/04/2017	3455019	17715499.4	German
3456146	Telecom Italia S.p.A.	13/05/2016	3456146	16727637.7	
3456234	LG Electronics Inc.	25/04/2017	3456234	17796304.8	
3457108	Perma Pure, LLC	06/06/2018	3457108	18176323.6	
3457221	Patek Philippe SA Genève	13/05/2015	3457221	18194710.2	French
3457668	Mitel Networks, Inc.	31/05/2018	3457668	18175422.7	
3457718	Starkey Laboratories, Inc.	06/02/2009	3457718	18199449.2	
3457833	Vermeer Manufacturing Company	19/05/2017	3457833	17800232.5	
3458651	PT Blink Limited	05/07/2017	3458651	17823332.6	

3458819	Office National d'Etudes et de Recherches Aérospatiales Université Grenoble Alpes	30/06/2017	3458819	17745415.4	French
3459088	BizLink Industry Germany GmbH	20/05/2016	3459088	16728631.9	German
3459264	CommScope, Inc. of North Carolina	18/05/2016	3459264	16902582.2	
3459622	International Flavors & Fragrances Inc.	20/09/2010	3459622	18204034.5	
3461207	Samsung Electronics Co., Ltd.	24/06/2009	3461207	18205506.1	
3461229	ELECTROLUX APPLIANCES AKTIEBOLAG	22/09/2017	3461229	17192537.3	
3461638	Windmüller & Hölscher KG	21/08/2018	3461638	18189885.9	German
3461691	TOYOTA JIDOSHA KABUSHIKI KAISHA	21/09/2018	3461691	18195903.2	
3462185	Huawei Digital Power Technologies Co., Ltd.	06/04/2017	3462185	17814469.7	
3462517	Samsung Display Co., Ltd.	21/05/2018	3462517	18173448.4	
3463535	Juul Labs, Inc.	25/05/2017	3463535	17729288.5	
3464752	Fechner, Rene	16/05/2017	3464752	17728074.0	German
3465167	TPL Vision UK Ltd	07/06/2017	3465167	17727263.0	French
3465968	Telefonaktiebolaget LM Ericsson (PUBL)	23/05/2017	3465968	17729210.9	
3466707	Kao Corporation	01/06/2017	3466707	17806799.7	
3467189	SEB S.A.	02/10/2018	3467189	18198086.3	French
3467190	SEB S.A.	02/10/2018	3467190	18198088.9	French
3467412	Qingdao Haier Joint Stock Co., Ltd	29/12/2016	3467412	16903881.7	
3468467	Koninklijke Philips N.V.	13/06/2017	3468467	17729138.2	
3469266	BSH Hausgeräte GmbH	02/06/2017	3469266	17729554.0	German
3469298	Rheinmetall Landsysteme GmbH	12/06/2017	3469298	17733991.8	German
3469560	Giesecke+Devrient Currency Technology GmbH	08/06/2017	3469560	17729012.9	German
3469873	Honda Motor Co., Ltd.	31/10/2016	3469873	16920291.8	
3469888	Artinova Speciality Papers AB	10/10/2017	3469888	17195738.4	
3469978	Visionsense LTD	02/10/2018	3469978	18198119.2	
3470275	Asahi Denso Co., Ltd.	11/10/2018	3470275	18199759.4	
3470707	CNH Industrial Italia S.p.A.	12/10/2018	3470707	18200045.5	
3471532	Trimble Inc.	31/05/2017	3471532	17729664.7	
3471624	Koninklijke Philips N.V.	15/06/2017	3471624	17733393.7	
3471803	Juul Labs, Inc.	16/06/2017	3471803	17733326.7	



3472439	IFP Energies nouvelles Enogia	15/06/2017	3472439	17729508.6	French
3472828	Magic Leap, Inc.	19/06/2017	3472828	17816009.9	
3473360	Renishaw PLC	19/10/2018	3473360	18201387.0	
3473494	Stanley Electric Co., Ltd. Mazda Motor Corporation	02/06/2017	3473494	17813162.9	
3473915	Gaztransport et Technigaz	08/10/2018	3473915	18199169.6	French
3474388	Hypertac S.p.a.	23/10/2017	3474388	17425104.1	
3474755	Covidien LP	09/06/2017	3474755	17732665.9	
3475124	Scania CV AB	12/06/2017	3475124	17820640.5	
3475295	The Scripps Research Institute	23/06/2017	3475295	17816348.1	
3475584	Hydac Technology GmbH	19/06/2017	3475584	17731805.2	German
3475651	3Shape A/S	23/06/2017	3475651	17734037.9	
3475988	Lumileds LLC	14/06/2017	3475988	17730153.8	
3476566	Chromalox, Inc.	16/10/2018	3476566	18200840.9	
3477088	Rolls-Royce plc	24/09/2018	3477088	18196287.9	
3477185	LG Innotek Co., Ltd.	13/06/2017	3477185	17815640.2	
3478701	Ustav organické chemie a biochemie AV CR, v.v.i. Univerzita Palackého v Olomouci	29/06/2016	3478701	16744291.2	
3478725	Wake Forest University Wake Forest University Health Sciences	30/06/2017	3478725	17821354.2	
3478735	SWIMC LLC	30/06/2017	3478735	17742887.7	
3478896	Dawson Construction Plant Limited	29/06/2017	3478896	17736718.2	
3479000	Wavin B.V.	29/06/2017	3479000	17733846.4	
3479263	Novo Nordisk A/S	22/06/2017	3479263	17732416.7	
3479346	Samsung Electronics Co., Ltd.	08/09/2017	3479346	17849115.5	
3479571	InterDigital CE Patent Holdings	30/06/2017	3479571	17736631.7	
3480285	Adeka Corporation	27/06/2017	3480285	17820169.5	
3481680	Huf Hülsbeck & Fürst GmbH & Co. KG	29/05/2017	3481680	17727184.8	German
3482281	Apple Inc.	29/05/2018	3482281	18733412.3	
3483018	Ratier-Figeac SAS	08/11/2017	3483018	17306545.9	
3483158	Hangzhou Innogate Pharma Co., Ltd.	27/05/2017	3483158	17802236.4	
3483482	Hitachi Astemo, Ltd.	12/10/2018	3483482	18200086.9	
3483906	IHI Corporation	09/06/2017	3483906	17823938.0	

3483928	Jiangyin Changdian Advanced Packaging Co., Ltd.	12/12/2016	3483928	16923366.5	
3484626	Maskinfabrikken Reka Holding A/S	17/07/2017	3484626	17830520.7	
3485096	Proferro NV	28/06/2017	3485096	17757870.5	
3485723	Matsumoto, Ryoza	23/06/2017	3485723	17827385.0	
3485990	Nippon Steel Corporation	19/12/2016	3485990	16912749.5	
3486662	3M Innovative Properties Company	20/11/2017	3486662	17202528.0	
3488388	Alibaba Group Holding Limited	20/07/2017	3488388	17831890.3	
3489099	Hitachi Construction Machinery Co., Ltd.	26/09/2017	3489099	17921436.6	
3494021	Volkswagen Aktiengesellschaft	28/06/2017	3494021	17734709.3	German
3495627	Pratt & Whitney Canada Corp.	07/12/2018	3495627	18211060.1	
3495670	A. Raymond et Cie	05/12/2018	3495670	18210446.3	
3495760	Mitsubishi Electric Corporation	05/08/2016	3495760	16911650.6	
3495795	Beijing Const Instruments Technology Inc.	14/07/2017	3495795	17830424.2	
3496263	Daikin Industries, Ltd.	11/09/2017	3496263	17852865.9	
3498017	Telefonaktiebolaget LM Ericsson (publ)	13/03/2018	3498017	18794858.3	
3498611	Goodrich Lighting Systems GmbH	14/08/2014	3498611	19153111.0	
3499253	Norddeutsche Seekabelwerke GmbH	12/12/2018	3499253	18000965.6	German
3501003	William Beaumont Hospital	18/08/2017	3501003	17842218.4	
3501099	Nexans Solar Technologies	16/08/2017	3501099	17755149.6	French
3501632	Kabushiki Kaisha Toyota Chuo Kenkyusho	19/11/2018	3501632	18206947.6	
3501968	National Oilwell Varco Norway AS	22/12/2017	3501968	17209919.4	
3502369	Fedorov, Anatoly Nikolaevich Maksimova, Lyudmila Anatolievna	24/08/2016	3502369	16913583.7	
3502717	MediaTek Singapore Pte. Ltd.	28/08/2018	3502717	18191220.5	
3502751	IFP Energies nouvelles	15/11/2018	3502751	18206428.7	French
3502859	Samsung Electronics Co., Ltd.	18/12/2018	3502859	18213683.8	
3502972	Bundesdruckerei GmbH	19/11/2018	3502972	18206919.5	German
3503369	Telefonaktiebolaget LM Ericsson (Publ)	27/04/2011	3503369	19152981.7	
3503672	Vestel Elektronik Sanayi ve Ticaret A.S.	20/12/2017	3503672	17208843.7	
3503684	Aptiv Technologies Limited	19/12/2017	3503684	17208494.9	
3504946	Hewlett-Packard Development Company, L.P.	23/01/2017	3504946	17892660.6	

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3505976	Tsinghua University Nuctech Company Limited	28/12/2018	3505976	18306880.8	
3506369	Hosei University Sciocs Company Limited Sumitomo Chemical Company Limited	27/06/2017	3506369	17843193.8	
3507446	Rice Electronics, LP	30/08/2017	3507446	17847487.0	
3507645	Beijing Supersonic Technology Co., Ltd.	31/08/2017	3507645	17845542.4	
3507875	Siemens Mobility GmbH	25/09/2017	3507875	17783750.7	German
3507959	QUALCOMM Incorporated	18/08/2017	3507959	17758750.8	
3508324	Lacoplast.IT SRL	02/01/2019	3508324	19150038.8	
3508935	iRobot Corporation	16/11/2018	3508935	18206641.5	
3508949	Sony Group Corporation	17/08/2017	3508949	17846144.8	
3509888	Scania CV AB	11/08/2017	3509888	17849196.5	
3511708	Westinghouse Electric Company LLC	10/06/2013	3511708	18000938.3	
3511788	Siemens Aktiengesellschaft	12/01/2018	3511788	18151426.6	
3513761	Crisalix SA	07/02/2014	3513761	19159298.9	
3514054	The Boeing Company	14/12/2018	3514054	18212532.8	
3514162	Samsung Display Co., Ltd.	20/12/2018	3514162	18214543.3	
3514341	Mikuni Corporation Mitsubishi Jidosha Kogyo Kabushiki Kaisha	16/01/2019	3514341	19152069.1	
3514550	FUJIFILM Corporation	31/08/2017	3514550	17850707.5	
3514809	Hitachi Metals, Ltd.	15/09/2017	3514809	17851007.9	
3515490	ALX Oncology Inc.	20/09/2017	3515490	17853838.5	
3515659	Zimmer, Martin Zimmer, Günther	21/09/2017	3515659	17794652.2	German
3516902	Telefonaktiebolaget LM Ericsson (publ)	22/09/2016	3516902	16774471.3	
3517432	Airbus Operations Limited	28/01/2019	3517432	19154061.6	
3517634	Korea Refractories Co., Ltd.	14/06/2017	3517634	17851057.4	
3517802	Goodrich Corporation	23/01/2019	3517802	19153312.4	
3518924	Salix Pharmaceuticals, Inc.	29/09/2017	3518924	17857495.0	
3520121	Prysmian S.p.A.	29/09/2016	3520121	16779029.4	
3520366	Thales Dis France SAS	02/10/2017	3520366	17777281.1	
3522762	Aktiebolaget Electrolux	07/10/2016	3522762	16778053.5	
3523208	Sidel Participations	21/09/2017	3523208	17783929.7	French

3524023	FG INNOVATION COMPANY LIMITED	30/09/2017	3524023	17857853.0	
3524036	Tridonic GmbH & Co KG	25/09/2017	3524036	17772409.3	German
3524109	Whirlpool Corporation	06/02/2019	3524109	19155817.0	
3524223	Nipro Corporation	13/09/2017	3524223	17859703.5	
3524278	Nitto Denko Corporation	14/09/2017	3524278	17858173.2	
3524595	Eisai R&D Management Co., Ltd.	26/08/2015	3524595	19151846.3	
3527058	CLAAS Selbstfahrende Erntemaschinen GmbH	23/11/2018	3527058	18207945.9	German
3527349	Nissei ASB Machine Co., Ltd.	12/10/2017	3527349	17860828.7	
3527365	Pyroguard UK Limited	14/02/2019	3527365	19157136.3	
3527409	Fahrzeugwerk Bernard Krone GmbH & Co. KG	01/02/2019	3527409	19155130.8	German
3527458	CRRC Qingdao Sifang Co., Ltd.	31/10/2017	3527458	17910726.3	
3527652	Green Products & Technologies, L.L.C.	30/12/2014	3527652	18214427.9	
3527711	BSH Hausgeräte GmbH	31/01/2019	3527711	19154690.2	German
3527902	Mitsubishi Electric Corporation	11/10/2016	3527902	16918481.9	
3528994	Kjellberg-Stiftung	18/10/2017	3528994	17797530.7	German
3529421	Les Robinets Presto	19/10/2017	3529421	17793880.0	French
3529450	Halliburton Energy Services, Inc.	17/07/2017	3529450	17862871.5	
3530033	Telefonaktiebolaget LM Ericsson (publ)	21/10/2016	3530033	16798297.4	
3530603	Otis Elevator Company	27/02/2018	3530603	18158845.0	
3530935	Beijing Goldwind Science & Creation Windpower Equipment Co. Ltd.	20/03/2018	3530935	18811125.6	
3531012	Automotive Lighting Reutlingen GmbH	01/02/2019	3531012	19155057.3	German
3531132	FUJIFILM Corporation	20/02/2019	3531132	19158349.1	
3531657	Airbus Defence and Space GmbH	06/02/2019	3531657	19155659.6	
3532270	Hunter Douglas Inc.	20/10/2017	3532270	17794167.1	
3532435	DS Services of America, Inc.	26/10/2017	3532435	17863631.2	
3532518	Covestro (Netherlands) B.V.	30/10/2017	3532518	17804450.9	
3534109	Hangzhou Hikvision Digital Technology Co., Ltd.	26/10/2017	3534109	17865985.0	
3535192	Pepsico, Inc.	25/10/2017	3535192	17868144.1	
3535297	Debiopharm International, S.A.	02/11/2017	3535297	17805265.0	
3535401	Cell Biotech Co., Ltd.	16/10/2018	3535401	18882297.7	
3535668	Microsoft Technology Licensing, LLC	26/10/2017	3535668	17801141.7	
3536331	Taal-Vlas, Anita Monique	24/12/2013	3536331	19166468.9	

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3536428	AB Sandvik Coromant	25/10/2018	3536428	18202649.2	
3536582	Mitsubishi Electric Corporation	07/04/2011	3536582	19169795.2	
3536631	INGE S.p.A.	05/03/2019	3536631	19160847.0	
3537467	Ellenberger & Poensgen GmbH	19/05/2016	3537467	19167864.8	German
3537840	Vivo Mobile Communication Co., Ltd.	31/10/2017	3537840	17868241.5	
3538057	Colgate-Palmolive Company	10/08/2017	3538057	17761353.6	
3538765	Micropump Inc.	10/11/2017	3538765	17805062.1	
3539261	Temple University Of The Commonwealth System Of Higher Education	14/11/2017	3539261	17869136.6	
3539352	QUALCOMM Incorporated	10/11/2017	3539352	17808666.6	
3539505	Koninklijke Philips N.V.	23/06/2016	3539505	19166771.6	
3540197	MITSUBISHI HEAVY INDUSTRIES, LTD.	23/10/2017	3540197	17869962.5	
3540471	OMRON Corporation	10/01/2019	3540471	19151197.1	
3541304	The Medical Research, Infrastructure, and Health Services Fund of the Tel- Aviv Medical Center Ramot at Tel-Aviv University Ltd.	15/11/2017	3541304	17872441.5	
3543351	Ricoh Company, Ltd.	14/03/2019	3543351	19162995.5	
3543412	Keramik Holding AG Laufen	22/03/2018	3543412	18163406.4	German
3543489	TOYOTA JIDOSHA KABUSHIKI KAISHA	22/03/2019	3543489	19164713.0	
3544367	HTC Corporation	11/03/2019	3544367	19162036.8	
3544451	G.D S.p.A.	28/11/2017	3544451	17812079.6	
3544754	Safran Safran Aircraft Engines	22/12/2017	3544754	17832291.3	French
3545489	SMR Patents S.à.r.l.	15/11/2017	3545489	17803866.7	
3546589	Evonik Operations GmbH	18/03/2019	3546589	19163357.7	German
3546642	Toray Industries, Inc.	10/11/2017	3546642	17897235.2	
3548563	Provepharm Life Solutions	27/11/2017	3548563	17811661.2	French
3548957	LG Electronics Inc.	11/05/2017	3548957	17875849.6	
3549862	Rockwell Collins, Inc.	05/04/2019	3549862	19167501.6	
3550463	Mellanox Technologies, Ltd.	29/03/2019	3550463	19166385.5	
3550720	Guangzhou Xaircraft Technology Co., Ltd	28/11/2017	3550720	17876449.4	
3551054	Molecular Devices, LLC	08/12/2017	3551054	17880715.2	

3551489	SolarEdge e-Mobility S.p.A.	01/12/2017	3551489	17842397.6	
3553145	Fujimori Kogyo Co., Ltd.	30/11/2017	3553145	17879996.1	
3553306	Nordex Energy SE & Co. KG	11/04/2018	3553306	18166811.2	German
3553685	Amazon Technologies Inc.	25/09/2015	3553685	19172623.1	
3553888	Huawei Technologies Co., Ltd.	26/12/2017	3553888	17888595.0	
3554143	Huawei Technologies Co., Ltd.	26/09/2014	3554143	19150132.9	
3554747	General Electric Company	24/10/2017	3554747	17794194.5	
3555359	SEB S.A.	07/12/2017	3555359	17822376.4	French
3556241	Bright Technology Co., Ltd	20/11/2018	3556241	18884636.4	
3556273	SEB S.A.	01/04/2019	3556273	19166657.7	French
3556375	Zhejiang Shouxiangu Pharmaceutical Company, Ltd Jinhua Shouxiangu Pharmaceutical Co. Ltd	06/02/2018	3556375	18784029.3	
3557262	Life Technologies Corporation Thermo Fisher Scientific GENEART GmbH Life Technologies AS	09/12/2015	3557262	19174248.5	
3557370	LG Display Co., Ltd.	15/04/2019	3557370	19169141.9	
3557607	Shin-Etsu Handotai Co., Ltd.	27/11/2017	3557607	17883818.1	
3557790	Electronics and Telecommunications Research Institute	08/06/2011	3557790	19173159.5	
3558138	Medtronic, Inc.	19/12/2017	3558138	17830064.6	
3558796	Albert Ziegler GmbH	29/03/2018	3558796	18716560.0	German
3558838	DISPENSA HOLDINGS LLC	20/12/2017	3558838	17882357.1	
3558840	Bericap Holding GmbH	13/12/2017	3558840	17818102.0	German
3558908	SABIC Global Technologies B.V.	14/12/2017	3558908	17832339.0	
3558990	Incyte Corporation	21/12/2017	3558990	17835760.4	
3559325	FITT S.p.A	21/12/2017	3559325	17832995.9	
3561527	Alps Alpine Co., Ltd.	15/11/2017	3561527	17883558.3	
3562518	Zobebe Holding SpA	28/12/2016	3562518	16825788.9	
3562520	Systagenix Wound Management, Limited	28/12/2017	3562520	17832701.1	
3562600	Waldner Laboreinrichtungen GmbH & Co. KG	28/12/2017	3562600	17823174.2	German
3563551	Intel Corporation	30/12/2016	3563551	16924961.2	
3564213	CJ Cheiljedang Corporation	29/12/2017	3564213	17886142.3	

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3564336	Toho Gas Co., Ltd.	02/02/2018	3564336	18751606.7	
3566046	Safetraces, Inc.	10/01/2019	3566046	19738614.7	
3566273	Connexbox Ltd	03/01/2018	3566273	18709714.2	
3566513	Panasonic Intellectual Property Corporation of America	06/01/2017	3566513	17890056.9	
3566568	CNH Industrial Belgium N.V.	07/05/2019	3566568	19173072.0	
3566579	ADAMA Huifeng (Jiangsu) Ltd.	13/06/2013	3566579	19170011.1	
3567038	Hetero Labs Ltd.	15/04/2016	3567038	19179768.7	
3567660	LG Energy Solution, Ltd.	14/08/2018	3567660	18881240.8	
3567797	Huawei Technologies Co., Ltd.	29/09/2018	3567797	18862074.4	
3567805	ServiceNow, Inc.	24/04/2019	3567805	19170811.4	
3568934	QUALCOMM Incorporated	12/01/2018	3568934	18739077.8	
3569049	CLAAS Selbstfahrende Erntemaschinen GmbH	08/03/2019	3569049	19161482.5	German
3569456	Volvo Car Corporation	15/05/2018	3569456	18172505.2	
3569457	Volvo Car Corporation	15/05/2018	3569457	18172506.0	
3569577	SCHOTT AG	14/05/2019	3569577	19174408.5	German
3569965	Glock Technology GmbH	14/05/2019	3569965	19174261.8	
3570587	ZTE Corporation	29/12/2017	3570587	17891082.4	
3571104	ZF Active Safety GmbH	19/01/2018	3571104	18702155.5	German
3571120	C&D Zodiac, Inc.	23/01/2018	3571120	18742129.2	
3571908	AGCO International GmbH	30/04/2019	3571908	19172065.5	
3572583	Maintech Co., Ltd.	28/03/2019	3572583	19724725.7	
3572836	Rockwell Automation Technologies, Inc.	08/05/2019	3572836	19173194.2	
3573235	MediaTek Inc.	07/05/2019	3573235	19173173.6	
3573699	Merit Medical Systems, Inc.	18/01/2018	3573699	18744486.4	
3573774	Geobruag AG	16/01/2018	3573774	18700891.7	German
3574205	Delphi Technologies IP Limited	29/01/2018	3574205	18702476.5	
3574911	Zhejiang Shouxiangu Pharmaceutical Company, Ltd Jinhua Shouxiangu Pharmaceutical Co. Ltd	08/06/2018	3574911	18869313.9	
3575058	Husky Injection Molding Systems Ltd.	06/12/2013	3575058	19176526.2	
3575670	Suzhou Oppl Lighting Co., Ltd. Oppl Lighting Co., Ltd.	04/04/2018	3575670	18781536.0	
3576279	Daikin Industries, Ltd.	26/02/2018	3576279	18761008.4	

3576398	AGFA OFFSET BV	21/02/2013	3576398	19181486.2	
3576651	Interscope, Inc.	31/01/2018	3576651	18705281.6	
3576984	ZF Automotive Safety Germany GmbH	16/01/2018	3576984	18700583.0	German
3576996	Ovinto cvba	31/01/2018	3576996	18703548.0	
3577506	Siemens Aktiengesellschaft	13/02/2018	3577506	18707280.6	German
3577730	Norwegian University of Science and Technology	05/02/2018	3577730	18711479.8	
3578261	Hamilton Company	10/11/2016	3578261	19187498.1	
3578428	Mando Corporation	07/06/2019	3578428	19179178.9	
3578446	Mazda Motor Corporation	20/02/2018	3578446	18763148.6	
3578835	SFS Group International AG	04/06/2018	3578835	18175689.1	German
3578877	STANLEY ELECTRIC CO., LTD.	04/06/2019	3578877	19178133.5	
3579055	Toshiba Tec Kabushiki Kaisha	04/06/2019	3579055	19178152.5	
3579056	Toshiba Tec Kabushiki Kaisha	04/06/2019	3579056	19178145.9	
3579318	LG Chem, Ltd.	09/02/2018	3579318	18751540.8	
3579385	KUBOTA CORPORATION	18/06/2015	3579385	19186761.3	
3579490	Intel Corporation	06/06/2018	3579490	18176330.1	
3579565	fuboTV Media Inc.	04/06/2019	3579565	19178276.2	
3579774	CMR Surgical Limited	06/02/2018	3579774	18705457.2	
3580153	RSL Logistik GmbH & Co. KG	06/02/2018	3580153	18703771.8	German
3580614	Hewlett-Packard Development Company, L.P.	19/03/2018	3580614	18862731.9	
3580681	Université du Luxembourg	08/02/2018	3580681	18702739.6	
3581015	Deere & Company	07/06/2019	3581015	19179043.5	
3581275	Hamilton Company	10/11/2016	3581275	19187501.2	
3581360	Haidlmair Holding GmbH	12/06/2018	3581360	18177425.8	German
3581429	ABB Schweiz AG	14/06/2018	3581429	18177842.4	
3581454	Volvo Car Corporation	11/06/2019	3581454	19179384.3	
3582563	LG Electronics Inc.	05/02/2018	3582563	18748191.6	
3582698	Tendomend Ltd.	23/02/2018	3582698	18713351.7	
3582920	Siltronic AG	30/01/2018	3582920	18702964.0	German
3583009	Robert Bosch GmbH	13/12/2017	3583009	17818510.4	German
3583031	Safran Passenger Innovations, LLC	13/02/2018	3583031	18753593.5	
3583383	Renishaw PLC	13/02/2018	3583383	18706552.9	
3583802	Convida Wireless, LLC	23/03/2018	3583802	18718263.9	



3583996	L'AIR LIQUIDE, SOCIÉTÉ ANONYME POUR L'ÉTUDE ET L'EXPLOITATION DES PROCÉDÉS GEORGES CLAUDE	18/06/2018	3583996	18400020.6	German
3584058	The Yokohama Rubber Co., Ltd.	15/01/2018	3584058	18754670.0	
3584064	Mitsubishi Power, Ltd.	27/03/2018	3584064	18775979.0	
3584072	The Boeing Company	29/04/2019	3584072	19171527.5	
3584094	Infineon Technologies AG	29/05/2019	3584094	19177201.1	
3584143	Volvo Car Corporation	17/06/2019	3584143	19180560.5	
3584424	TPR CO., LTD.	30/05/2017	3584424	17911470.7	
3584427	Raytheon Technologies Corporation	12/06/2019	3584427	19179765.3	
3584695	Nokia Technologies Oy	20/06/2018	3584695	18178674.0	
3585610	Graphene Composites Limited	22/02/2018	3585610	18707958.7	
3586201	Phoenix Contact GmbH & Co. KG	16/02/2018	3586201	18705916.7	German
3586503	InterDigital VC Holdings, Inc.	19/02/2018	3586503	18704572.9	
3586734	Techno-Commons Inc.	19/02/2018	3586734	18757916.4	
3587162	YAZAKI CORPORATION	21/06/2019	3587162	19181685.9	
3587259	Leonardo S.p.A.	28/06/2018	3587259	18180590.4	
3587426	Nerviano Medical Sciences S.r.l.	28/03/2013	3587426	19184082.6	
3587704	MASSIOT INVEST	27/06/2019	3587704	19182985.2	French
3587912	Gaggione SAS	27/07/2016	3587912	19186643.3	French
3588128	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	26/06/2018	3588128	18179827.3	
3588541	Murata Machinery, Ltd.	17/06/2019	3588541	19180428.5	
3588685	Amphenol Corporation	13/04/2018	3588685	19191747.5	
3588894	eperi GmbH	28/06/2018	3588894	18180605.0	
3590321	CNH Industrial Belgium N.V.	28/06/2019	3590321	19183206.2	
3590363	Shenzhen IVPS Technology Co., Ltd.	01/10/2018	3590363	18197832.1	
3590770	Robert Bosch GmbH	21/06/2019	3590770	19181621.4	German
3591178	SAFRAN AIRCRAFT ENGINES	28/06/2019	3591178	19183350.8	French
3591435	NXP USA, Inc.	02/07/2018	3591435	18305861.9	
3591734	Panasonic Intellectual Property Management Co., Ltd.	30/04/2019	3591734	19171718.0	
3591775	Robert Bosch GmbH	07/06/2019	3591775	19179075.7	German
3593161	Sonitor Technologies AS	05/03/2018	3593161	18709756.3	
3595796	UMICORE AG & CO. KG	08/05/2019	3595796	19724143.3	German

3595878	Dieffenbacher GmbH Maschinen- und Anlagenbau	14/03/2018	3595878	18711535.7	German
3595990	Steute Technologies GmbH&Co. KG	08/06/2018	3595990	18730733.5	German
3596348	Sogefi Air & Cooling	14/03/2018	3596348	18714575.0	French
3597387	Continental Reifen Deutschland GmbH	13/06/2019	3597387	19179842.0	German
3598009	R. Nussbaum AG	18/07/2018	3598009	18184247.7	German
3598049	Valeo Termico S.A.	19/07/2018	3598049	18184518.1	
3598631	Robert Bosch GmbH	25/06/2019	3598631	19182391.3	German
3598726	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	17/10/2017	3598726	17901267.9	
3598925	Chou, Jonathan	19/06/2019	3598925	19181220.5	
3600461	3M Innovative Properties Company	23/03/2018	3600461	18775305.8	
3600619	Johnson Matthey Public Limited Company	19/03/2018	3600619	18714062.9	
3601012	L'Inglesina Baby S.p.A.	19/03/2018	3601012	18716346.4	
3601650	DSM IP Assets B.V.	29/03/2018	3601650	18712925.9	
3602092	Cohaerentia S.r.l.	19/03/2018	3602092	18716345.6	
3602751	Johnson Controls Tyco IP Holdings LLP	23/03/2018	3602751	18716859.6	
3602995	Visa International Service Association	30/03/2017	3602995	17902858.4	
3602996	Bundesdruckerei GmbH	23/02/2018	3602996	18707693.0	German
3603373	Honda Motor Co., Ltd.	12/06/2019	3603373	19179685.3	
3603679	President and Fellows of Harvard College	04/06/2014	3603679	19197844.4	
3604967	GD Midea Air-Conditioning Equipment Co., Ltd. Midea Group Co., Ltd.	27/09/2018	3604967	18903573.6	
3608365	KANEKA CORPORATION	30/09/2016	3608365	19192732.6	
3608556	Kabushiki Kaisha F.C.C.	07/03/2018	3608556	18781416.5	
3609159	Wayne Fueling Systems Sweden AB	18/11/2014	3609159	19198842.7	
3609660	BIC Violex Single Member S.A.	10/04/2018	3609660	18717331.5	
3609772	Loc Performance Products, LLC	21/03/2018	3609772	18719700.9	
3610960	Primetals Technologies Japan, Ltd.	16/06/2017	3610960	17913969.6	
3611747	Rail Power Systems GmbH	16/08/2018	3611747	18189372.8	German
3612106	W. L. Gore & Associates, Inc.	18/04/2018	3612106	18723133.7	
3612227	Baylor University	20/04/2018	3612227	18723207.9	

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3612290	Hochschule Karlsruhe Technik und Wirtschaft	17/04/2018	3612290	18725110.3	German
3612918	Peratech Holdco Ltd	17/04/2018	3612918	18721437.4	
3613049	Seegene, Inc.	17/04/2018	3613049	18788341.8	
3613272	CLAAS Selbstfahrende Erntemaschinen GmbH	06/06/2019	3613272	19178608.6	German
3613472	Kammer Consulting AG	20/08/2019	3613472	19192663.3	German
3613937	Sandvik Mining and Construction Oy	20/08/2018	3613937	18189797.6	
3614055	Qingdao Haier Air Conditioner General Corp., Ltd.	02/03/2018	3614055	18788404.4	
3614495	LS Mtron Ltd.	19/04/2018	3614495	18788465.5	
3614522	Samsung SDI Co., Ltd.	20/06/2019	3614522	19181467.2	
3614547	Mitsubishi Electric Corporation	20/04/2017	3614547	17906715.2	
3614650	New H3C Technologies Co., Ltd.	15/05/2018	3614650	18806419.0	
3614718	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	11/08/2017	3614718	17920640.4	
3615329	Novelis Inc.	23/04/2018	3615329	18724656.6	
3615613	Covestro Deutschland AG	23/04/2018	3615613	18718467.6	German
3616355	Honeywell International Inc.	23/04/2018	3616355	18789858.0	
3616847	Robert Bosch GmbH	19/06/2019	3616847	19181107.4	
3616881	Yoshino Kogyosho Co., Ltd.	23/01/2018	3616881	18791682.0	
3616888	DIC Corporation	12/04/2018	3616888	18791225.8	
3617619	Haier Smart Home Co., Ltd.	05/06/2018	3617619	18813095.9	
3617629	LG Electronics Inc.	29/08/2019	3617629	19194331.5	
3617806	KYOCERA Document Solutions Inc.	22/08/2019	3617806	19193008.0	
3618517	LG Electronics Inc.	26/04/2018	3618517	18790546.8	
3619107	SAAB AB	30/04/2018	3619107	18793983.0	
3619201	Bayer CropScience Aktiengesellschaft	26/04/2018	3619201	18719892.4	German
3619261	MICRONISERS PTY. LTD. BASF SE	02/05/2018	3619261	18729870.8	
3620319	AUDI AG	06/09/2018	3620319	18192840.9	
3620493	Rohm and Haas Company	03/09/2019	3620493	19195251.4	
3620805	Melexis Technologies SA	06/09/2018	3620805	18193009.0	
3621214	Beammwave AB	10/09/2018	3621214	18193368.0	
3621387	Datang Mobile Communications Equipment Co., Ltd.	26/03/2018	3621387	18795184.3	

3621873	Oscar Propulsion Ltd	11/05/2018	3621873	18725905.6	
3622186	Illinois Tool Works Inc.	03/05/2018	3622186	18723655.9	
3622431	Micron Technology, Inc.	02/05/2018	3622431	18797814.3	
3623055	Xiamen Solex High-Tech Industries Co., Ltd.	17/09/2019	3623055	19000412.7	
3624011	Canon Production Printing Holding B.V.	11/09/2018	3624011	18193718.6	
3624047	Leica Microsystems CMS GmbH	14/09/2018	3624047	18194617.9	
3625095	Continental Automotive Technologies GmbH	24/04/2018	3625095	18721317.8	German
3625513	T-Worx Holdings, LLC	15/05/2018	3625513	18801706.5	
3625581	Google LLC	06/03/2018	3625581	18712762.6	
3625853	Fisher Controls International LLC	02/05/2018	3625853	18726002.1	
3626765	LG Chem, Ltd.	17/08/2018	3626765	18847986.9	
3626859	Kabushiki Kaisha Toshiba	07/03/2019	3626859	19161296.9	
3626936	Raytheon Technologies Corporation	19/09/2019	3626936	19198425.1	
3627147	Zedsen Limited	07/12/2012	3627147	19000474.7	
3627204	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	11/05/2018	3627204	18806412.5	
3627495	Sony Group Corporation	01/02/2018	3627495	18802511.8	
3627773	Huawei Technologies Co., Ltd.	27/04/2018	3627773	18816807.4	
3627774	New H3C Technologies Co., Ltd.	20/06/2018	3627774	18821317.7	
3627833	Coretronic Corporation	29/08/2019	3627833	19194411.5	
3628247	Intervene, Inc.	07/02/2013	3628247	19192408.3	
3628329	Dana-Farber Cancer Institute, Inc.	28/09/2012	3628329	19190367.3	
3628351	Owen Mumford Ltd.	23/09/2019	3628351	19198992.0	
3628408	TOYOTA JIDOSHA KABUSHIKI KAISHA Trinity Industrial Corporation Ransburg Industrial Finishing K.K.	23/08/2019	3628408	19193449.6	
3628438	Koki Company Limited	29/06/2018	3628438	18827421.1	
3628969	Topcon Corporation	24/09/2019	3628969	19199347.6	
3629381	INTEL Corporation	25/06/2019	3629381	19182447.3	
3629435	Schneider Electric (Australia) Pty Limited	23/09/2019	3629435	19198923.5	
3629606	Samsung Electronics Co., Ltd.	26/09/2019	3629606	19199956.4	

3630546	Gogoro Inc.	24/05/2018	3630546	18805533.9	
3630560	Robert Bosch GmbH	24/05/2018	3630560	18730656.8	
3630607	Flirtey Holdings Inc.	01/06/2018	3630607	18734685.3	
3630994	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	29/05/2018	3630994	18725879.3	
3631176	Volvo Truck Corporation	02/06/2017	3631176	17731487.9	
3631189	Robert Bosch GmbH	17/04/2018	3631189	18719108.5	German
3631782	Visa International Service Association	09/04/2018	3631782	18805493.6	
3632065	InterDigital CE Patent Holdings, SAS	24/05/2017	3632065	17910773.5	
3632643	Jamco Corporation	02/06/2017	3632643	17911963.1	
3632691	Mimaki Engineering Co., Ltd.	01/10/2019	3632691	19200717.7	
3632695	FUJIFILM Corporation	30/05/2018	3632695	18809293.6	
3632983	Mitsubishi Gas Chemical Company, Inc.	16/04/2018	3632983	18805678.2	
3633092	LG Electronics Inc.	24/05/2018	3633092	18806880.3	
3633694	JFE Steel Corporation	29/05/2018	3633694	18809394.2	
3633775	Taiheiyo Cement Corporation Denso Corporation	18/05/2018	3633775	18809938.6	
3633782	LG Energy Solution, Ltd.	15/11/2018	3633782	18898336.5	
3633848	Zhejiang Sanhua Intelligent Controls Co., Ltd.	17/05/2018	3633848	18806232.7	
3633954	Citrix Systems, Inc.	18/09/2013	3633954	19210906.4	
3634111	CNH Industrial Belgium NV	12/05/2018	3634111	18724236.7	
3634365	Henkel AG & Co. KGaA	14/05/2018	3634365	18726092.2	German
3635339	Google LLC	16/11/2018	3635339	18816367.9	
3635426	Koninklijke Philips N.V.	08/06/2018	3635426	18730738.4	
3635589	2689090 Canada Inc.	05/06/2018	3635589	18813793.9	
3635762	ABB Schweiz AG	08/06/2017	3635762	17733984.3	
3635789	Atomera Incorporated	16/05/2018	3635789	18730894.5	
3637661	BOE Technology Group Co., Ltd. Beijing BOE Display Technology Co., Ltd.	04/06/2018	3637661	18813088.4	
3637954	LG Electronics Inc.	04/04/2019	3637954	19167355.7	
3638227	UCB Biopharma SRL	12/06/2018	3638227	18732703.6	
3638680	Boehringer Ingelheim International GmbH	08/06/2018	3638680	18731766.4	

3638835	Advanced Functional Fabrics Of America, Inc. E Ink Corporation	15/06/2018	3638835	18818516.9	
3639544	Motorola Mobility LLC	18/05/2018	3639544	18729854.2	
3639779	Erbe Elektromedizin GmbH	16/10/2018	3639779	18200797.1	German
3640141	Pratt & Whitney Canada Corp.	11/10/2019	3640141	19202769.6	
3641195	LG Electronics Inc.	11/06/2018	3641195	18817229.0	
3641256	Panasonic Intellectual Property Corporation of America	16/04/2018	3641256	18818848.6	
3641374	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	08/11/2007	3641374	19216313.7	
3642462	Volkswagen Aktiengesellschaft	05/06/2018	3642462	18729935.9	German
3642616	Zen Genetics Ltd.	12/06/2018	3642616	18820463.0	
3642974	QUALCOMM Incorporated	20/06/2018	3642974	18739709.6	
3643440	FANUC CORPORATION	16/10/2019	3643440	19203467.6	
3643674	Otis Elevator Company	26/10/2018	3643674	18202947.0	
3643719	Shanghai Institute of Materia Medica, Chinese Academy of Sciences	21/06/2018	3643719	18821069.4	
3644418	Samsung Electronics Co., Ltd. Samsung SDI Co., Ltd.	24/10/2019	3644418	19205031.8	
3644562	Juniper Networks, Inc.	28/03/2019	3644562	19165776.6	
3644568	Panasonic Intellectual Property Corporation of America	10/04/2018	3644568	18821011.6	
3644577	Palantir Technologies Inc.	15/10/2019	3644577	19203382.7	
3645302	Giesecke+Devrient Mobile Security GmbH	22/06/2018	3645302	18734748.9	German
3645596	BASF SE	27/06/2018	3645596	18733621.9	German
3645686	Chevron Oronite Company LLC Chevron Japan Ltd.	28/06/2018	3645686	18749528.8	
3645985	Universidad Nacional de Chilecito Consiglio Nazionale Delle Ricerche Università Degli Studi Di Ferrara	26/06/2018	3645985	18747001.8	
3646039	Robert Bosch GmbH	29/06/2017	3646039	17736905.5	
3646094	Corning Research & Development Corporation	30/11/2017	3646094	17817986.7	

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3646095	Corning Research & Development Corporation	30/11/2017	3646095	17817988.3	
3646205	Apple Inc.	31/05/2019	3646205	19724002.1	
3646627	iBasis, Inc.	27/06/2018	3646627	18749201.2	
3646684	Apple Inc.	31/08/2018	3646684	18773041.1	
3646834	Unicharm Corporation	26/02/2018	3646834	18848306.9	
3647141	Volkswagen AG	28/10/2019	3647141	19205666.1	German
3647146	Kawasaki Motors, Ltd.	27/06/2018	3647146	18822933.0	
3647266	LG Chem, Ltd.	07/09/2018	3647266	18852994.5	
3647455	Baoshan Iron & Steel Co., Ltd.	26/06/2018	3647455	18824845.4	
3648010	Murata Manufacturing Co., Ltd.	22/05/2019	3648010	19800912.8	
3648227	LG Energy Solution, Ltd.	30/11/2018	3648227	18882422.1	
3648229	LG Energy Solution, Ltd.	26/11/2018	3648229	18884399.9	
3648230	LG Energy Solution, Ltd.	30/11/2018	3648230	18884649.7	
3648303	HYUNDAI MOTOR COMPANY Kia Corporation	31/10/2019	3648303	19206526.6	
3649381	Volkswagen Aktiengesellschaft	26/06/2018	3649381	18737830.2	German
3649565	Open Text Corporation	05/07/2018	3649565	18828990.4	
3649984	DIO Corporation	23/02/2018	3649984	18827817.0	
3650964	Robert Bosch GmbH	09/10/2019	3650964	19202224.2	German
3651023	ASJ Inc.	10/11/2017	3651023	17917007.1	
3651434	Intrinsic Value, LLC	28/08/2017	3651434	19211959.2	
3653032	Rohringer, Werner	19/11/2019	3653032	19210138.4	German
3654410	Samsung SDI Co., Ltd.	14/11/2018	3654410	18206144.0	
3654478	Eaton Intelligent Power Limited	08/11/2019	3654478	19208199.0	
3654550	HUAWEI TECHNOLOGIES CO., LTD.	10/06/2014	3654550	19196518.5	
3654614	INTEGRITY SECURITY SERVICES LLC	13/11/2019	3654614	19208976.1	
3656032	Siemens Energy Global GmbH & Co. KG	31/08/2017	3656032	17764352.5	German
3656572	Boehringer Ingelheim Animal Health USA Inc.	30/10/2015	3656572	19208898.7	
3656657	Airbus Operations Limited	12/11/2019	3656657	19208657.7	
3656731	KRONES Aktiengesellschaft	25/09/2019	3656731	19199527.3	German
3657106	Samsung Electronics Co., Ltd.	07/01/2015	3657106	20150463.6	
3657541	AT&S (Chongqing) Company Limited	13/11/2019	3657541	19208850.8	

3657588	LG Energy Solution, Ltd.	30/11/2018	3657588	18883143.2	
3657672	NXP B.V.	21/11/2018	3657672	18306543.2	
3659485	Hangzhou Ezviz Software Co., Ltd.	07/09/2018	3659485	18855847.2	
3659902	Ogab Ltd	02/03/2016	3659902	20152068.1	
3659927	The Boeing Company	26/11/2019	3659927	19211632.5	
3660220	Nordex Energy Spain, S.A.U.	30/11/2018	3660220	18382875.5	
3660475	General Electric Company	28/11/2018	3660475	18208945.8	
3660782	Teledyne Flir, LLC	03/03/2016	3660782	20151650.7	
3661167	HUAWEI TECHNOLOGIES CO., LTD.	26/06/2013	3661167	19189266.0	
3662372	Microsoft Technology Licensing, LLC	01/06/2018	3662372	18733097.2	
3662849	Covidien LP	07/02/2017	3662849	19210104.6	
3662992	LG Chem, Ltd.	22/08/2018	3662992	18847588.3	
3663045	Delaware Capital Formation, Inc.	27/08/2019	3663045	19193783.8	
3663134	Koito Manufacturing Co., Ltd.	14/06/2018	3663134	18841283.7	
3663167	HYUNDAI MOTOR COMPANY Kia Corporation	05/12/2019	3663167	19213802.2	
3663191	Bombardier Inc.	03/12/2019	3663191	19213095.3	
3663528	Raytheon Technologies Corporation	04/12/2019	3663528	19213670.3	
3664014	AISIN CORPORATION	21/02/2018	3664014	18842006.1	
3664046	HUF HÜLSBECK & FÜRST GmbH & Co. KG	08/11/2019	3664046	19207914.3	German
3664178	Wuhan China Star Optoelectronics Semiconductor Display Technology Co., Ltd.	06/11/2017	3664178	17920328.6	
3664344	Huawei Technologies Co., Ltd.	10/08/2018	3664344	18843357.7	
3665049	Robert Bosch GmbH	15/06/2018	3665049	18737498.8	German
3665060	Robert Bosch GmbH	15/06/2018	3665060	18737499.6	German
3665390	Q.E.D. Environmental Systems, Inc.	18/12/2018	3665390	18890477.5	
3666526	Toshiba Tec Kabushiki Kaisha	20/09/2019	3666526	19198687.6	
3666560	Fliegl, Helmut	11/12/2018	3666560	18211706.9	German
3666565	Hangzhou Sanhua Research Institute Co., Ltd.	17/05/2018	3666565	18843828.7	
3666594	Ningbo Geely Automobile Research & Development Co. Ltd.	12/12/2018	3666594	18211852.1	
3667168	Collins Engine Nozzles, Inc.	16/12/2019	3667168	19216502.5	
3667247	ArianeGroup SAS	20/11/2019	3667247	19210294.5	French



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3667457	NXP B.V.	18/11/2019	3667457	19209756.6	
3667554	Hand Held Products, Inc.	24/05/2013	3667554	20156220.4	
3667662	Panasonic Intellectual Property Corporation of America	04/12/2019	3667662	19213522.6	
3668751	Volkswagen Aktiengesellschaft	20/06/2018	3668751	18738208.0	German
3669495	VMware, Inc.	20/11/2018	3669495	18881014.7	
3669635	CNH Industrial Belgium NV	18/12/2018	3669635	18213654.9	
3669636	CNH Industrial Belgium NV	20/12/2018	3669636	18214559.9	
3670185	Shin-Etsu Chemical Co., Ltd.	30/10/2019	3670185	19206120.8	
3670278	Doosan Industrial Vehicle Co., Ltd.	19/12/2019	3670278	19217841.6	
3670293	Bizerba SE & Co. KG	20/12/2018	3670293	18214804.9	German
3670692	Outokumpu Oyj	21/12/2018	3670692	18215480.7	
3671830	Samsung Electronics Co., Ltd.	21/11/2019	3671830	19210744.9	
3672083	Samsung Electronics Co., Ltd.	02/07/2019	3672083	19183950.5	
3672118	Samsung Electronics Co., Ltd.	27/09/2018	3672118	18862257.5	
3672290	Valeo Comfort and Driving Assistance	18/12/2018	3672290	18213721.6	
3673147	Weatherford Technology Holdings, LLC	30/07/2018	3673147	18755611.3	
3673154	Safran Aircraft Engines	02/10/2018	3673154	18796712.0	French
3673194	HellermannTyton GmbH	24/09/2018	3673194	18779614.9	
3673214	SAAB AB	20/08/2018	3673214	18848196.4	
3673721	Bernini, Fabrizio	19/12/2019	3673721	19217813.5	
3674095	Seiko Epson Corporation	20/12/2019	3674095	19218648.4	
3674566	Hitachi Construction Machinery Co., Ltd.	21/09/2018	3674566	18932320.7	
3675128	BOE Technology Group Co., Ltd.	24/04/2018	3675128	18829714.7	
3675753	Spinologics Inc. EOS Imaging	01/09/2017	3675753	17784994.0	
3675781	3M Innovative Properties Company	30/08/2018	3675781	18850706.5	
3675943	Cornell University	29/08/2018	3675943	18766536.9	
3676034	Vesuvius USA Corporation	21/08/2018	3676034	18849678.0	
3676117	Webasto SE	10/08/2018	3676117	18756399.4	German
3676489	Robert Bosch GmbH	29/06/2018	3676489	18735287.7	German
3677136	Philip Morris Products S.A.	03/03/2017	3677136	20159607.9	
3677984	ADVA Optical Networking SE	07/01/2019	3677984	19150556.9	
3678110	Nissan Motor Co., Ltd.	30/08/2017	3678110	17923821.7	
3678476	Ambic Equipment Limited	04/09/2018	3678476	18769428.6	

3678601	MatOrtho Limited	01/11/2018	3678601	18811891.3	
3678720	Hcmed Innovations Co., Ltd.	07/09/2018	3678720	18855038.8	
3678868	Krones AG	25/07/2018	3678868	18746888.9	German
3678880	Peiker Acoustic GmbH	04/09/2018	3678880	18769304.9	German
3679941	Serenity Pharmaceuticals LLC	15/06/2010	3679941	19202083.2	
3680347	Seven Bridges Genomics Inc.	17/10/2014	3680347	19186646.6	
3680555	LG Electronics Inc.	10/01/2020	3680555	20151083.1	
3680730	Seiko Instruments Inc.	11/12/2019	3680730	19215211.4	
3680786	Huawei Technologies Co., Ltd.	13/10/2017	3680786	17928462.5	
3680950	The Boeing Company	29/11/2019	3680950	19212379.2	
3681007	Huawei Technologies Co., Ltd.	28/09/2017	3681007	17926771.1	
3681259	Fuji Corporation	08/09/2017	3681259	17924228.4	
3681707	ContiTech Schlauch GmbH	12/06/2018	3681707	18731065.1	German
3681958	Honeywell International Inc.	10/09/2018	3681958	18853360.8	
3682482	Commissariat à l'énergie atomique et aux énergies alternatives	11/09/2018	3682482	18780179.0	French
3682770	iOBED INC.	16/10/2017	3682770	17924515.4	
3683163	Schoeller Allibert GmbH	17/01/2019	3683163	19152320.8	German
3683297	IGENESIS (SHANGHAI) Co., LTD.	03/01/2019	3683297	19848860.3	
3683402	Raytheon Technologies Corporation	20/01/2020	3683402	20152749.6	
3683917	Japan Tobacco Inc.	16/01/2020	3683917	20152145.7	
3683997	Huawei Technologies Co., Ltd.	11/09/2018	3683997	18860052.2	
3684280	Intuitive Surgical Operations, Inc.	09/11/2018	3684280	18876581.2	
3684464	Cardiac Pacemakers, Inc.	28/08/2018	3684464	18766479.2	
3684579	Siemens Energy Global GmbH & Co. KG	24/10/2018	3684579	18800502.9	German
3684590	Additive Industries B.V.	19/09/2018	3684590	18789249.2	
3684602	HIB Trim Part Solutions GmbH	27/08/2018	3684602	18759948.5	German
3684605	Compagnie Générale des Etablissements Michelin	14/09/2018	3684605	18780191.5	French
3685057	Hilti Aktiengesellschaft	04/09/2018	3685057	18765105.4	German
3685773	Legacy Ventures LLC	18/05/2015	3685773	20159390.2	
3685974	BIC Violex Single Member S.A.	10/12/2015	3685974	20161224.9	
3686339	Herbert Kannegiesser GmbH	17/01/2020	3686339	20152463.4	German
3687164	Microsoft Technology Licensing, LLC	17/02/2014	3687164	20163998.6	
3687828	De La Rue International Limited	27/09/2018	3687828	18782147.5	
3688282	Metrol Technology Limited	18/09/2018	3688282	18779425.0	

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3688622	Politecnico di Milano	27/09/2018	3688622	18792481.6	
3689076	Telefonaktiebolaget LM Ericsson (publ)	26/09/2018	3689076	18792475.8	
3689573	DENSO THERMAL SYSTEMS S.p.A.	31/01/2020	3689573	20154754.4	
3689606	ZF Automotive Germany GmbH	15/06/2018	3689606	20157485.2	
3689801	Miyakoshi Printing Machinery Co., Ltd.	11/10/2019	3689801	19202744.9	
3690195	Rolls-Royce plc	14/01/2020	3690195	20151647.3	
3690341	Daikin Industries, Ltd.	21/09/2018	3690341	18863185.7	
3690399	Continental Automotive Technologies GmbH	10/01/2020	3690399	20151119.3	German
3690631	Dell Products L.P.	16/01/2020	3690631	20152194.5	
3690902	Siemens Energy Global GmbH & Co. KG	31/01/2019	3690902	19154693.6	German
3690933	Dai Nippon Printing Co., Ltd.	19/11/2014	3690933	20163801.2	
3691111	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	17/01/2019	3691111	19807684.6	
3691134	NEC Corporation	19/09/2018	3691134	18860967.1	
3691333	Huawei Technologies Co., Ltd.	16/10/2018	3691333	18868015.1	
3691434	Fuji Corporation	26/09/2017	3691434	17927255.4	
3692181	Nova Chemicals Corporation Kubota Corporation	26/09/2018	3692181	18789703.8	
3692217	Lekatech Oy	21/09/2018	3692217	18785410.4	
3693111	M.P.C.-System AB	05/02/2019	3693111	19155530.9	
3693558	Raytheon Technologies Corporation	28/11/2019	3693558	19212333.9	
3693668	Foshan Shunde Midea Electrical Heating Appliances Manufacturing Co., Ltd.	30/11/2017	3693668	17930987.7	
3694102	NXP USA, Inc.	11/06/2019	3694102	19179532.7	
3694787	Frito-Lay North America, Inc.	04/10/2018	3694787	18865798.5	
3695153	Georg Fischer Harvel LLC	12/10/2017	3695153	17928454.2	
3695702	Techtronic Cordless GP	11/02/2020	3695702	20156584.3	
3695733	Hauni Maschinenbau GmbH	17/02/2020	3695733	20157632.9	German
3695755	Qingdao Haier Joint Stock Co., Ltd	12/10/2018	3695755	18865591.4	
3695778	Hill-Rom Services, Inc.	06/02/2020	3695778	20155969.7	
3695875	ASAHI INTECC CO., LTD.	12/10/2017	3695875	17928422.9	
3695909	Volkswagen Aktiengesellschaft	30/01/2020	3695909	20154660.3	German
3696461	Q-tec Prüfgeräte GmbH	30/01/2020	3696461	20154696.7	German
3696614	Ricoh Company, Ltd.	02/01/2020	3696614	20150103.8	

3696788	Nissan Motor Co., Ltd. Renault s.a.s	10/10/2017	3696788	17928107.6	
3696956	AISIN CORPORATION	29/11/2018	3696956	18883288.5	
3696985	GIRA GIERSIEPEN GmbH & Co. KG	13/02/2019	3696985	19156901.1	German
3697027	BSH Hausgeräte GmbH	22/01/2020	3697027	20153190.2	German
3697103	Sivantos Pte. Ltd.	08/01/2020	3697103	20150664.9	German
3697653	Continental Automotive Technologies GmbH	21/06/2018	3697653	18737816.1	German
3698006	Balmoral Comtec Limited	19/10/2018	3698006	18804380.6	
3698441	Telsonic Holding AG	16/10/2017	3698441	17784638.3	German
3698493	Promptlink Communications, Inc.	12/10/2018	3698493	18867828.8	
3698907	LLAMBRICH PRECISIÓN, S.L.	20/02/2019	3698907	19382122.0	
3699082	The Boeing Company	28/01/2020	3699082	20154144.8	
3699216	Park, Heedae	19/12/2019	3699216	19218229.3	
3700734	Carbon, Inc.	24/10/2018	3700734	18800418.8	
3701763	Telefonaktiebolaget LM Ericsson (publ)	24/10/2017	3701763	17788220.6	
3702937	Palantir Technologies Inc.	24/05/2019	3702937	19176524.7	
3703121	Shindengen Electric Manufacturing Co., Ltd.	26/10/2017	3703121	17930124.7	
3703610	Magic Leap, Inc.	31/10/2018	3703610	18874477.5	
3703928	medmix Switzerland AG	14/12/2018	3703928	18815728.3	
3704020	Safran Seats USA LLC	02/04/2018	3704020	18719025.1	
3704204	RPL Holdings Limited	26/11/2018	3704204	18812108.1	
3704345	ConocoPhillips Company	30/10/2018	3704345	18873692.0	
3704431	Chart Energy & Chemicals, Inc.	25/10/2018	3704431	18804757.5	
3704823	QUALCOMM Incorporated	05/09/2018	3704823	18786075.4	
3706072	HERE Global B.V.	05/03/2020	3706072	20161229.8	
3706362	3db Access AG	05/03/2019	3706362	19160837.1	
3706540	AGCO International GmbH	17/10/2018	3706540	18793382.5	
3707056	Volkswagen Aktiengesellschaft	11/10/2018	3707056	18789344.1	German
3707979	Maximum Soil and Water Productivity Pty Ltd	12/08/2016	3707979	20168614.4	
3707986	Positec Technology (China) Co., Ltd.	06/11/2015	3707986	20163341.9	
3708237	K & N Engineering, Inc.	11/02/2015	3708237	20169471.8	
3708339	Ricoh Company, Ltd. University of Washington	12/03/2020	3708339	20162628.0	
3708378	Ricoh Company, Ltd.	11/02/2020	3708378	20156536.3	

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3708421	Avova GmbH	13/03/2020	3708421	20163078.7	German
3708463	Mitsubishi Electric Corporation	06/11/2017	3708463	17930318.5	
3708524	AMADA CO., LTD.	08/11/2018	3708524	18875340.4	
3708672	CJ Cheiljedang Corporation	14/12/2018	3708672	18889759.9	
3708967	Mitsubishi Electric Corporation	19/02/2014	3708967	20164526.4	
3710202	SMC Corporation	07/11/2018	3710202	18808532.8	
3710227	Additive Industries B.V.	02/11/2018	3710227	18812388.9	
3710339	Sika Technology AG	06/11/2018	3710339	18796953.0	German
3711289	Domeprojection.com GmbH	10/11/2018	3711289	18821985.1	German
3712484	Polykap S.R.L.	12/03/2020	3712484	20000137.8	
3713271	Huawei Technologies Co., Ltd.	16/11/2018	3713271	18879002.6	
3713973	Arkema France Arkema, Inc.	22/11/2017	3713973	17932716.8	
3714151	Volvo Truck Corporation	24/11/2017	3714151	17825375.3	
3714344	Locus Robotics Corp.	16/11/2018	3714344	18815880.2	
3714701	Sone Farm Co., Ltd.	04/04/2019	3714701	19791557.2	
3715024	LISI Aerospace Additive Manufacturing	26/03/2020	3715024	20165940.6	French
3715036	Illinois Tool Works, Inc.	31/01/2020	3715036	20154949.0	
3715760	Panasonic Intellectual Property Management Co., Ltd.	27/01/2020	3715760	20153957.4	
3715968	Hamilton Sundstrand Corporation	25/11/2019	3715968	19211297.7	
3716352	TDK Corporation	20/11/2018	3716352	18880801.8	
3716491	Intel Corporation	17/02/2020	3716491	20157738.4	
3716579	Sony Group Corporation	17/02/2020	3716579	20157745.9	
3716992	Regeneron Pharmaceuticals, Inc.	29/11/2018	3716992	18825837.0	
3717343	SAIPEM S.A.	27/11/2018	3717343	18827192.8	French
3717474	Samsung Display Co., Ltd.	29/11/2018	3717474	18826966.6	
3718232	QUALCOMM Incorporated	29/11/2018	3718232	18829552.1	
3718344	Qualcomm Incorporated	24/10/2018	3718344	18800806.4	
3718622	General Electric Technology GmbH	20/01/2015	3718622	20157412.6	
3718856	JTEKT CORPORATION	31/03/2020	3718856	20167067.6	
3718892	B/E Aerospace, Inc.	13/12/2019	3718892	19216123.0	
3719233	ALTRAD plettac asso GmbH	03/04/2020	3719233	20167920.6	German
3719316	CNH Industrial Italia S.p.A.	01/04/2020	3719316	20167511.3	
3719954	Samsung SDI Co., Ltd.	03/01/2018	3719954	18898529.5	

3720061	Nippon Telegraph And Telephone Corporation	14/11/2018	3720061	18884045.8	
3720732	Volvo Construction Equipment AB	06/12/2017	3720732	17816620.3	
3721226	Universität Regensburg Universitätsklinikum Regensburg	27/11/2018	3721226	18808352.1	
3721383	Eliot Innovative Solutions S.A.S.	04/12/2018	3721383	18811042.3	French
3721508	LEONI Bordnetz-Systeme GmbH	06/12/2018	3721508	18815663.2	German
3721695	CLAAS Selbstfahrende Erntemaschinen GmbH	13/01/2020	3721695	20151416.3	German
3722006	Dürr Systems AG	01/12/2017	3722006	20170638.9	German
3722330	SPCM SA	03/04/2020	3722330	20167871.1	French
3722430	Cj Cheiljedang Corporation	08/04/2019	3722430	19750049.9	
3722638	Goodrich Corporation	03/12/2019	3722638	19213352.8	
3722894	Robert Bosch GmbH	09/04/2019	3722894	19168151.9	
3722988	Murata Manufacturing Co., Ltd.	31/05/2019	3722988	19876866.5	
3723038	Shanghai Jiao Tong University	29/05/2018	3723038	18885666.0	
3723341	Airwatch LLC	14/06/2016	3723341	20177717.4	
3723380	Sun Patent Trust	16/06/2014	3723380	20163285.8	
3724086	Cryovac, LLC	28/11/2018	3724086	18827231.4	
3724248	The LYCRA Company UK Limited	12/12/2018	3724248	18836982.1	
3724607	Raytheon Canada Limited	12/12/2017	3724607	17934552.5	
3724806	Nchain Holdings Limited	07/12/2018	3724806	18833515.2	
3724953	VOLVO TRUCK CORPORATION	11/12/2017	3724953	17840537.9	
3725491	watttron GmbH	24/06/2014	3725491	20178532.6	German
3725643	DENSO CORPORATION TOYOTA JIDOSHA KABUSHIKI KAISHA JTEKT CORPORATION	15/04/2020	3725643	20169553.3	
3725770	SUMITOMO CHEMICAL COMPANY, LIMITED	12/12/2018	3725770	18887316.0	
3726078	Oiles Corporation	27/11/2018	3726078	18887299.8	
3726175	TechN GmbH	17/04/2019	3726175	19169969.3	German
3726317	ABB Schweiz AG	17/04/2019	3726317	19169994.1	
3726340	NXP USA, Inc.	15/04/2019	3726340	19305486.3	
3727791	Pirelli Tyre S.p.A.	28/11/2018	3727791	18822500.7	
3729646	Xilinx, Inc.	06/12/2018	3729646	18829610.7	
3729799	Huddle Room Technology S.r.l.	19/12/2018	3729799	18819150.6	

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3729863	Telefonaktiebolaget LM Ericsson (publ)	22/12/2017	3729863	17823157.7	
3729944	iRobot Corporation	16/09/2015	3729944	20180099.2	
3730088	Discus Dental, LLC	30/06/2005	3730088	20170201.6	
3730315	The Yokohama Rubber Co., Ltd.	22/04/2020	3730315	20170779.1	
3730412	Astroscale Japan Inc.	07/04/2017	3730412	20167231.8	
3730718	Gramm, Ingo Jung, Michael	20/04/2020	3730718	20170453.3	German
3730909	Weber Maschinenbau GmbH Breidenbach	03/03/2020	3730909	20160642.3	German
3731001	LG Electronics Inc.	06/04/2018	3731001	18890639.0	
3731371	GE Hybrid Technologies, LLC	13/02/2014	3731371	20167407.4	
3732263	Purdue Research Foundation	31/12/2017	3732263	17936850.1	
3732412	Arçelik Anonim Sirketi	18/10/2018	3732412	18789621.2	
3732608	Siemens Aktiengesellschaft	14/02/2019	3732608	19707289.5	German
3732792	QUALCOMM Incorporated	07/11/2018	3732792	18808181.4	
3734772	Aptiv Technologies Limited	30/04/2019	3734772	19171858.4	
3734826	Infineon Technologies Austria AG	26/04/2020	3734826	20171446.6	
3735226	Scynexis, Inc.	21/12/2018	3735226	18834263.8	
3735851	NIKE Innovate C.V.	10/03/2017	3735851	20181817.6	
3736700	INTEL Corporation	19/03/2020	3736700	20164224.6	
3737214	Dreebit GmbH	23/04/2020	3737214	20171046.4	German
3737713	CP Kelco ApS	10/12/2018	3737713	18829234.6	
3737890	BSH Hausgeräte GmbH	17/12/2018	3737890	18830437.2	German
3737912	Oxford University Innovation Limited	10/01/2019	3737912	19700992.1	
3738258	QUALCOMM Incorporated	10/01/2019	3738258	19702513.3	
3738299	British Telecommunications public limited company	11/12/2018	3738299	18812201.4	
3738626	Ypsomed AG	11/05/2007	3738626	20177292.8	German
3738740	Feddem GmbH & Co. KG	13/05/2019	3738740	19174180.0	German
3738773	Heidelberger Druckmaschinen AG	19/03/2020	3738773	20164200.6	German
3739075	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	25/10/2018	3739075	18900539.0	
3739089	Oskar Dilo Maschinenfabrik KG	16/05/2019	3739089	19174837.5	German
3739144	TIR TECHNOLOGIES TOILES INDUSTRIELLES DU RHIN TECHNOLOGIES	14/05/2020	3739144	20174708.6	French

3739181	MITSUBISHI HEAVY INDUSTRIES ENGINE & TURBOCHARGER, LTD.	28/02/2018	3739181	18907677.1	
3740142	DePuy Ireland Unlimited Company	08/01/2019	3740142	19700153.0	
3740410	Matisa Matériel Industriel S.A.	31/01/2019	3740410	19702607.3	French
3740764	Technoprobe S.p.A	14/01/2019	3740764	19700314.8	
3741635	Volkswagen Aktiengesellschaft	06/05/2020	3741635	20173197.3	German
3741640	Hitachi Astemo, Ltd.	21/12/2018	3741640	18900958.2	
3742122	HERE Global B.V.	19/03/2020	3742122	20164262.6	
3742129	Melexis Technologies SA	08/05/2020	3742129	20173732.7	
3742243	Yokogawa Electric Corporation	11/02/2020	3742243	20156591.8	
3742416	Rovi Guides, Inc.	11/06/2010	3742416	20185271.2	
3743139	Insulcloud, S.L.	24/01/2019	3743139	19700968.1	
3743335	Moresi, Ludovico	22/01/2019	3743335	19706312.6	
3743796	thyssenkrupp Marine Systems GmbH thyssenkrupp AG	21/01/2019	3743796	19701489.7	German
3743993	Robert Bosch GmbH	17/01/2019	3743993	19701801.3	German
3744234	Univerza na Primorskem	12/02/2020	3744234	20156876.3	
3744433	Dromont S.p.A.	27/04/2020	3744433	20171577.8	
3744569	KOITO MANUFACTURING CO., LTD.	18/01/2019	3744569	19740893.3	
3745217	Phoenix Contact GmbH & Co. KG	03/02/2017	3745217	20187162.1	German
3745633	Huawei Technologies Co. Ltd.	13/05/2016	3745633	20170761.9	
3746328	Behr-Hella Thermocontrol GmbH	21/01/2019	3746328	19703952.2	German
3747107	Google LLC	17/12/2019	3747107	19839523.8	
3747704	Mazda Motor Corporation	11/03/2020	3747704	20162463.2	
3747770	B/E Aerospace, Inc.	12/12/2019	3747770	19215812.9	
3747772	Hamilton Sundstrand Corporation	07/06/2019	3747772	19179197.9	
3747939	Dow Toray Co., Ltd.	18/01/2019	3747939	19747220.2	
3748233	ELECTROLUX APPLIANCES AKTIEBOLAG	06/06/2019	3748233	19178892.6	
3748454	VOLKSWAGEN AG	03/06/2020	3748454	20178103.6	German
3748584	Sony Interactive Entertainment LLC	23/03/2015	3748584	20185254.8	
3748634	Huawei Technologies Co., Ltd.	06/06/2013	3748634	20150138.4	
3748813	Siemens Gamesa Renewable Energy A/S	05/06/2020	3748813	20178549.0	
3749024	ise Individuelle Software und Elektronik GmbH	05/06/2019	3749024	19178499.0	German



3749452	Bio-Rad Laboratories, Inc. Bio-Rad Europe GmbH	05/02/2019	3749452	19708944.4	
3749815	Carlisle Construction Materials, LLC	28/01/2019	3749815	19746720.2	
3749866	Mungo Befestigungstechnik AG	07/02/2018	3749866	18705113.1	
3750226	McCull, Stuart Frazer	04/02/2019	3750226	19747920.7	
3750587	ASAHI INTECC CO., LTD.	07/02/2018	3750587	18904694.9	
3750610	Josef Wiegand GMBH & CO. KG	26/05/2020	3750610	20176433.9	German
3750869	Covestro Intellectual Property GmbH & Co. KG	08/06/2020	3750869	20178641.5	German
3751092	Sandvik Mining and Construction Tools AB	14/06/2019	3751092	19180284.2	
3751144	LG Electronics Inc.	02/04/2019	3751144	19819104.1	
3751186	Tochigi Kaneka Corporation KANEKA CORPORATION	23/01/2019	3751186	19771429.8	
3751822	INTEGRITY SECURITY SERVICES LLC	11/06/2020	3751822	20179522.6	
3751994	DeLaval Holding AB	11/02/2019	3751994	19710174.4	
3752204	The United States of America, as represented by the Secretary, Department of Health and Human Services	15/02/2019	3752204	19711727.8	
3752389	Magna Seating Inc.	08/04/2019	3752389	19719041.6	
3752696	Terno Scorrevoli S.p.A. Unipersonale	08/02/2019	3752696	19706370.4	
3753160	QUALCOMM Incorporated	29/01/2019	3753160	19705028.9	
3753302	Telefonaktiebolaget LM Ericsson (publ.)	14/02/2019	3753302	19711421.8	
3753684	Robert Bosch GmbH	21/06/2019	3753684	19181874.9	
3754098	SEB S.A.	16/06/2020	3754098	20180183.4	French
3754100	SEB S.A.	16/06/2020	3754100	20180186.7	French
3754146	Athmer oHG	19/06/2019	3754146	19181310.4	German
3754154	Soletanche Freyssinet	10/06/2020	3754154	20179234.8	French
3754341	IFP Energies nouvelles	05/06/2020	3754341	20178434.5	French
3755111	QUALCOMM Incorporated	19/06/2018	3755111	20190971.0	
3755220	Regents of the University of Minnesota Boston Scientific Scimed Inc.	20/02/2019	3755220	19711730.2	
3755864	Zurflüh-Feller	21/02/2019	3755864	19706981.8	French
3757279	SEB S.A.	23/06/2020	3757279	20181696.4	French

3757697	Seco Tools AB	28/06/2019	3757697	19183272.4	
3760518	Apollo Intelligent Driving Technology (Beijing) Co., Ltd.	31/03/2020	3760518	20167165.8	
3760580	Hamilton Sundstrand Corporation	11/12/2019	3760580	19215229.6	
3760670	Continental Reifen Deutschland GmbH	04/06/2020	3760670	20178326.3	German
3760671	Continental Reifen Deutschland GmbH	05/06/2020	3760671	20178430.3	German
3761774	Kuhn SAS	06/03/2019	3761774	19707843.9	French
3761947	Beiersdorf AG	31/01/2019	3761947	19703275.8	German
3762550	Itrec B.V.	06/03/2019	3762550	19719937.5	
3762678	BAE SYSTEMS plc	01/03/2019	3762678	19709550.8	
3762685	Raytheon Company	13/11/2018	3762685	18815848.9	
3762842	Microsoft Technology Licensing, LLC	01/03/2019	3762842	19710946.5	
3762870	Robert Bosch GmbH	11/02/2019	3762870	19705941.3	German
3764385	Xiamen Hongfa Electroacoustic Co., Ltd.	25/06/2020	3764385	20182368.9	
3764732	HUAWEI TECHNOLOGIES CO., LTD.	14/03/2019	3764732	19781830.5	
3764767	CNH Industrial Belgium NV	15/03/2019	3764767	19714040.3	
3764824	G.D S.p.A.	12/03/2019	3764824	19715228.3	
3765535	Chevron Phillips Chemical Company LP	06/03/2019	3765535	19712105.6	
3765831	Plasser & Theurer Export von Bahnbaumaschinen GmbH	12/02/2019	3765831	19704617.0	German
3767019	Deutsche Institute für Textil- und Faserforschung Denkendorf Hahn-Schickard-Gesellschaft für angewandte Forschung e.V.	09/07/2020	3767019	20185074.0	German
3767246	Mitsubishi Electric Corporation	24/04/2018	3767246	18916952.7	
3768060	Horváth, Benedek	18/03/2019	3768060	19721006.5	
3769162	Patek Philippe SA Genève	19/03/2019	3769162	19717200.0	French
3769607	CLAAS Selbstfahrende Erntemaschinen GmbH	15/04/2020	3769607	20169614.3	German
3770019	VOLVO TRUCK CORPORATION	31/03/2016	3770019	20195966.5	
3770279	JFE Steel Corporation	08/03/2019	3770279	19772137.6	
3771244	HUAWEI TECHNOLOGIES CO., LTD.	07/05/2019	3771244	19799455.1	
3771802	Garrett Transportation I Inc.	10/06/2020	3771802	20179166.2	

3772141	TE Connectivity Germany GmbH TE Connectivity Corporation	02/08/2019	3772141	19189826.1	
3774411	VOLVO TRUCK CORPORATION	06/04/2018	3774411	18719757.9	
3774623	Technip France	11/04/2019	3774623	19715949.4	French
3774838	Sanofi-Aventis Deutschland GmbH	10/04/2019	3774838	19715517.9	
3775649	BMA Solutions Inc.	28/06/2019	3775649	19744971.3	
3775790	Endress + Hauser Flowtec AG	18/02/2019	3775790	19706525.3	German
3776185	Microsoft Technology Licensing, LLC	10/05/2019	3776185	19727215.6	
3776979	QUALCOMM Incorporated	26/03/2019	3776979	19717645.6	
3779486	Contemporary Amperex Technology Co., Limited	15/01/2020	3779486	20741754.4	
3779652	Samsung Electronics Co., Ltd.	23/09/2011	3779652	20186895.7	
3780509	Panasonic Intellectual Property Corporation of America	27/06/2016	3780509	20199617.0	
3780863	Huawei Technologies Co., Ltd.	25/03/2019	3780863	19774701.7	
3780975	Protea Biopharma N.V.	17/04/2018	3780975	18720172.8	
3781819	Hydac Mobilhydraulik GmbH	06/06/2019	3781819	19730724.2	German
3783074	Nitto Kasei Co., Ltd.	15/04/2019	3783074	19788618.7	
3783125	Novelis Koblenz GmbH	22/08/2019	3783125	19193108.8	
3783580	Koninklijke Philips N.V.	23/08/2019	3783580	19193238.3	
3784838	Ørsted Wind Power A/S	12/04/2019	3784838	19721995.9	
3784911	Hydac Technology GmbH	14/06/2019	3784911	19732303.3	German
3784992	Continental Automotive Technologies GmbH	21/03/2019	3784992	19716288.6	German
3785525	DANSTAR FERMENT AG	15/02/2019	3785525	20202174.7	
3785783	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	24/08/2020	3785783	20192341.4	French
3785943	The Goodyear Tire & Rubber Company	24/08/2020	3785943	20192461.0	
3786008	Voithofer, Paul	29/08/2019	3786008	19194455.2	German
3786577	Renishaw PLC	29/09/2015	3786577	20201480.9	
3787057	Contemporary Amperex Technology Co., Limited	25/03/2020	3787057	20165550.3	
3787376	Zumtobel Lighting GmbH	26/08/2020	3787376	20192848.8	German
3787840	Rhefor GbR	30/04/2019	3787840	19721264.0	German
3787918	Audi AG	20/03/2019	3787918	19713734.2	German

3788324	Endress + Hauser Flowtec AG	17/04/2019	3788324	19718684.4	German
3789207	Giesecke+Devrient Currency Technology GmbH	01/09/2020	3789207	20020394.1	German
3789270	Renesas Electronics Corporation JTEKT CORPORATION	21/02/2020	3789270	20158711.0	
3789304	Deere & Company	08/09/2020	3789304	20195117.5	
3789342	Korea Electronics Technology Institute	07/11/2018	3789342	20195725.5	
3789434	Xerox Corporation	03/09/2020	3789434	20194474.1	
3789507	Novelis Koblenz GmbH	05/09/2019	3789507	19195491.6	
3790041	Yaskawa America, Inc. Kabushiki Kaisha Yaskawa Denki	04/09/2020	3790041	20194650.6	
3790180	IAS GmbH	04/09/2019	3790180	19195424.7	German
3790941	3M Innovative Properties Company	25/04/2019	3790941	19732726.5	
3791126	Raytheon Company	01/02/2019	3791126	19705688.0	
3791429	Asiri, Ali Alsoma, Ibrahim	02/05/2019	3791429	19723504.7	German
3791952	BASF Corporation	17/06/2016	3791952	20199777.2	
3791984	Amebo Food Machinery, S.L.	06/05/2019	3791984	19727441.8	
3792132	SNCF Voyageurs	10/09/2020	3792132	20195588.7	French
3792425	Fixinox SA	10/09/2020	3792425	20195510.1	French
3792722	Crown Equipment Corporation	24/08/2012	3792722	20200415.6	
3793017	Contemporary Amperex Technology Co., Limited	22/01/2019	3793017	19902895.2	
3793024	Acer Incorporated	28/11/2019	3793024	19212171.3	
3793228	Deutsche Telekom AG	12/09/2019	3793228	19196927.8	German
3793873	Siemag Tecberg GmbH	17/07/2019	3793873	19744649.5	German
3793960	Carmeuse Research And Technology	05/11/2019	3793960	19795579.2	French
3794376	Universita' Degli Studi di Udine	15/05/2019	3794376	19732140.9	
3794917	Deere & Company	31/08/2020	3794917	20193514.5	German
3795137	IONIQ Skincare GmbH & Co. KG	17/09/2019	3795137	19197645.5	
3795434	BICMA S.r.l.	14/09/2020	3795434	20195898.0	
3796093	CANON KABUSHIKI KAISHA	15/09/2020	3796093	20196130.7	
3796487	Panasonic Intellectual Property Management Co., Ltd.	10/05/2019	3796487	19802633.8	

3796956	UNIVERSITA' DEGLI STUDI DI MILANO FONDAZIONE IRCCS "CA' GRANDA - OSPEDALE MAGGIORE POLICLINICO"	23/05/2019	3796956	19732738.0	
3797107	Nerviano Medical Sciences S.r.l.	16/05/2019	3797107	19726338.7	
3797352	Robert Bosch GmbH	09/05/2019	3797352	19723101.2	German
3798236	X-Body, Inc.	14/03/2012	3798236	20204746.0	
3798323	Jiaozuo Huakang Polyol Co., Ltd. Zhejiang Huakang Pharmaceutical Co., Ltd.	26/11/2019	3798323	19892774.1	
3798413	RD Estate GmbH & Co. KG	30/09/2019	3798413	19200418.2	German
3798626	Netzsch-Gerätebau GmbH	22/09/2020	3798626	20197324.5	
3799235	Schneider Electric Industries SAS	22/09/2020	3799235	20197355.9	
3799301	Commissariat à l'énergie atomique et aux énergies alternatives	23/09/2020	3799301	20197661.0	French
3800404	DAIKIN INDUSTRIES, LTD. Daikin Europe N.V.	02/10/2019	3800404	19201116.1	
3800466	VisEra Technologies Company Limited	28/11/2019	3800466	19212012.9	
3800544	Meta Platforms, Inc.	25/09/2020	3800544	20198355.8	
3800860	Headwater Research LLC	27/01/2010	3800860	20203917.8	
3800877	SZ DJI Technology Co., Ltd.	11/07/2019	3800877	19931506.0	
3800923	Hapsmobile Inc.	29/05/2019	3800923	19815280.3	
3801542	Poxel SA	06/06/2019	3801542	19739429.9	
3801941	MOOG GmbH	11/06/2019	3801941	19731898.3	German
3802036	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	20/05/2019	3802036	19733851.0	French
3802191	VOLKSWAGEN AKTIENGESELLSCHAFT	04/06/2019	3802191	19732911.3	German
3802313	AIRSEAS	07/06/2019	3802313	19790587.0	French
3802652	BASF SE	05/06/2019	3802652	19728071.2	
3802973	Burgis, Wayne Desmond Burgis, Anne Ava Vo, Thuy Thi Thanh	27/05/2019	3802973	19815663.0	
3803006	Huf Hülsbeck & Fürst GmbH & Co. KG	06/06/2019	3803006	19730295.3	German

3803486	Corning Research & Development Corporation	29/05/2019	3803486	19731834.8	
3803939	DH Technologies Development Pte. Ltd.	23/05/2019	3803939	19737887.0	
3803963	Plasma-Therm, LLC	27/03/2019	3803963	19722715.0	
3803984	AUDI AG	05/06/2019	3803984	19729712.0	German
3804000	Kreisel Electric GmbH & Co KG	09/05/2019	3804000	19725837.9	German
3804048	Metzner Maschinenbau GmbH	04/04/2019	3804048	19716380.1	German
3804162	Sony Group Corporation	28/05/2019	3804162	19727647.0	
3804949	INCOE Corporation USA	06/11/2019	3804949	19207418.5	
3805425	AT & S Austria Technologie & Systemtechnik Aktiengesellschaft	10/10/2019	3805425	19202577.3	
3806096	Dolby International AB	05/01/2011	3806096	20206463.0	
3807015	APTAR France SAS	11/06/2019	3807015	19746115.5	French
3807225	Saint-Gobain Glass France	06/06/2019	3807225	19728091.0	French
3807226	Saint-Gobain Glass France	06/06/2019	3807226	19728702.2	French
3807508	SAFRAN AIRCRAFT ENGINES	05/06/2019	3807508	19735368.3	French
3807516	Delphi Technologies IP Limited	18/06/2019	3807516	19731973.4	
3807660	Ateip GmbH	14/06/2019	3807660	19731691.2	German
3807890	Koninklijke Philips N.V.	11/06/2019	3807890	19729757.5	
3807902	CHRU de Lille	13/06/2019	3807902	19753194.0	French
3808158	Signify Holding B.V.	13/06/2019	3808158	19729315.2	
3808290	Aesculap AG	16/10/2020	3808290	20202275.2	German
3808292	Domes Pharma	09/09/2020	3808292	20195190.2	French
3808593	Renault s.a.s	05/10/2020	3808593	20199974.5	French
3808609	Compagnie Plastic Omnium SE	14/10/2020	3808609	20201767.9	French
3808679	CSP Technologies, Inc.	06/02/2018	3808679	20209763.0	
3809629	Advanced New Technologies Co., Ltd.	21/02/2017	3809629	20214027.3	
3809835	Corti Zootecnici S.R.L.	19/06/2019	3809835	19739397.8	
3810347	SMS Group GmbH	19/06/2019	3810347	19734011.0	German
3810498	Propulsion Analytics I.K.E. - P.C.	05/06/2019	3810498	19736506.7	
3810587	UCB Pharma GmbH	19/06/2019	3810587	19731283.8	
3810591	UCB Pharma GmbH	18/06/2019	3810591	19733686.0	
3810608	Janssen Pharmaceutica NV	20/06/2019	3810608	19732991.5	
3810710	AGFA NV	04/06/2019	3810710	19728066.2	
3810720	BASF SE	18/06/2019	3810720	19731972.6	
3810953	BREMBO S.p.A.	06/06/2019	3810953	19734909.5	

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3811459	Airbus Defence and Space Limited	02/05/2019	3811459	19723182.2	
3811594	Koninklijke Philips N.V.	13/06/2019	3811594	19731221.8	
3812104	Universität Stuttgart	08/11/2018	3812104	20210033.5	German
3812215	Geven S.p.A.	21/10/2020	3812215	20203018.5	
3812316	Daifuku Co., Ltd.	25/05/2018	3812316	20214680.9	
3812910	Honor Device Co., Ltd.	24/09/2019	3812910	19866456.7	
3813331	Trunomi Ltd.	15/04/2016	3813331	20208963.7	
3813947	Vorderwülbecke, Martin	19/06/2019	3813947	19732021.1	
3814080	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	12/04/2019	3814080	19716188.8	
3814146	Domino UK Limited	27/06/2019	3814146	19748879.4	
3814215	AIRSEAS	07/06/2019	3814215	19790588.8	French
3814677	Signify Holding B.V.	25/06/2019	3814677	19732069.0	
3814886	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V. AIT Austrian Institute of Technology GmbH	27/06/2019	3814886	19741971.6	German
3815274	Nordic Semiconductor ASA	20/06/2019	3815274	19732630.9	
3815829	Illinois Tool Works INC.	22/10/2020	3815829	20203385.8	
3815861	Société BIC BIC Violex Single Member S.A.	31/10/2019	3815861	19206591.0	
3815905	Kyocera Corporation	29/07/2019	3815905	19843195.9	
3816231	Toray Industries, Inc.	29/07/2019	3816231	19844701.3	
3817075	Continental Automotive Technologies GmbH	29/10/2019	3817075	19465584.1	
3817553	BASF SE	25/06/2019	3817553	19733483.2	
3818019	Saint-Gobain Glass France	27/06/2019	3818019	19748579.0	French
3818269	Hydac Technology GmbH	09/09/2019	3818269	19768743.7	German
3818809	CNH Industrial Belgium NV	08/11/2019	3818809	19208178.4	
3819098	MEISSNER AG MODELL- UND WERKZEUGFABRIK	16/10/2020	3819098	20202163.0	German
3819447	Somfy Protect by Myfox	16/10/2020	3819447	20202375.0	French
3819510	Aktiebolaget SKF	09/11/2020	3819510	20206374.9	German
3820716	Pirelli Tyre S.p.A.	26/06/2019	3820716	19756245.7	
3820758	Plasser & Theurer Export von Bahnbaumaschinen GmbH Frauscher Sensortechnik GmbH	24/06/2019	3820758	19734024.3	German

3821150	SKF Marine GmbH	27/06/2019	3821150	19735524.1	German
3821156	Robert Bosch GmbH	06/06/2019	3821156	19731172.3	German
3822143	ALSTOM Transport Technologies	18/11/2019	3822143	19306476.3	
3822411	Swietelsky Baugesellschaft m.b.H	15/10/2020	3822411	20202017.8	German
3822502	Lee, Szu-Ying	22/10/2020	3822502	20203352.8	
3822789	ABB Schweiz AG	18/11/2019	3822789	19209677.4	
3823105	KUNSHAN AMPHENOL ZHENGRI ELECTRONICS CO., LTD. Amphenol LTW Technology Co., Ltd.	20/02/2020	3823105	20158606.2	
3823174	NXP B.V.	05/11/2020	3823174	20205889.7	
3824303	ZIEHL-ABEGG SE	04/06/2019	3824303	19745968.8	German
3825045	Seco Tools AB	22/11/2019	3825045	19210943.7	
3825872	Hitachi, Ltd.	18/11/2020	3825872	20208447.1	
3826242	FUJITSU LIMITED	19/07/2018	3826242	18926933.5	
3826912	Frodé Marina AB	16/09/2019	3826912	19769783.2	
3827902	Exel Industries	27/11/2020	3827902	20210226.5	French
3828166	The Goodyear Tire & Rubber Company	28/10/2020	3828166	20204370.9	
3828383	General Electric Company	28/09/2020	3828383	20198835.9	
3828433	BPW Bergische Achsen KG	17/04/2018	3828433	21020023.4	German
3829913	PSA Automobiles SA	06/06/2019	3829913	19735615.7	French
3831674	PSA Automobiles SA	12/11/2020	3831674	20207083.5	French
3832076	Wärtsilä Finland Oy	04/12/2019	3832076	19213405.4	
3833885	Schaeffler Technologies AG & Co. KG	12/06/2019	3833885	19734238.9	German
3833891	MAUL KONSTRUKTIONEN GMBH	06/08/2019	3833891	19755556.8	German
3833935	Robert Bosch GmbH	04/06/2019	3833935	19728666.9	German
3834696	HAIER Germany GmbH	12/12/2019	3834696	19215613.1	German
3835032	Deutsche Telekom AG	11/12/2019	3835032	19215221.3	German
3835142	Purple Line Limited	08/12/2020	3835142	20212553.0	
3835516	SIEMENS GAMESA RENEWABLE ENERGY INNOVATION & TECHNOLOGY, S.L.	11/12/2019	3835516	19380034.9	
3835771	C.R.F. Società Consortile per Azioni	10/12/2019	3835771	19214709.8	
3835880	Comadur S.A.	10/12/2019	3835880	19214648.8	French
3835886	The Swatch Group Research and Development Ltd	10/12/2019	3835886	19214810.4	French
3835889	The Swatch Group Research and Development Ltd	12/12/2019	3835889	19215629.7	French



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3835892	The Swatch Group Research and Development Ltd	10/12/2019	3835892	19214819.5	French
3836146	AI MEDIC INC.	02/09/2020	3836146	20811232.6	
3836524	DAIKIN INDUSTRIES, LTD.	25/06/2019	3836524	19848514.6	
3836566	Sivantos Pte. Ltd.	25/11/2020	3836566	20209867.9	German
3837040	INVENT Umwelt- und Verfahrenstechnik AG	29/04/2020	3837040	20726709.7	German
3837067	Fill Gesellschaft m.b.H.	13/08/2019	3837067	19773332.2	German
3837073	Schaeffler Technologies AG & Co. KG	28/06/2019	3837073	19742281.9	German
3837142	Robert Bosch GmbH	06/06/2019	3837142	19729523.1	German
3837148	Voith Patent GmbH	19/06/2019	3837148	19732605.1	German
3837311	Chemische Fabrik Budenheim KG	12/08/2019	3837311	19755324.1	German
3837560	Renishaw PLC	12/08/2019	3837560	19752547.0	
3838555	Somo.Tec GmbH	17/12/2019	3838555	19217062.9	German
3838932	The Goodyear Tire & Rubber Company	15/12/2020	3838932	20214360.8	
3839179	Talleres de Escoriaza, S.A.U.	19/12/2019	3839179	19383146.8	
3839604	Centre National d'Études Spatiales	16/12/2020	3839604	20214465.5	French
3839661	ETA SA Manufacture Horlogère Suisse	18/12/2019	3839661	19217506.5	French
3839758	AB Initio Technology LLC	10/06/2016	3839758	21156728.4	
3839826	Assa Abloy AB	20/12/2019	3839826	19218549.4	
3840139	Kyoto University	15/12/2020	3840139	20214140.4	
	STANLEY ELECTRIC CO., LTD.				
3840266	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	24/08/2018	3840266	18930800.0	
3840370	Dolby Laboratories Licensing Corporation	28/09/2017	3840370	20195076.3	
3841052	TK Home Solutions B.V.	14/08/2019	3841052	19755347.2	
3841337	Qingdao Haier Refrigerator Co., Ltd. Haier Smart Home Co., Ltd. Haier US Appliance Solutions, Inc.	14/08/2019	3841337	19852411.8	
3842320	JTEKT CORPORATION	23/12/2020	3842320	20217037.9	
3842629	Yamaha Hatsudoki Kabushiki Kaisha	15/10/2020	3842629	20202139.0	
3842972	GLORY LTD.	16/12/2020	3842972	20214570.2	
3843074	LG Display Co., Ltd.	16/12/2020	3843074	20214549.6	
3843536	Arçelik Anonim Sirketi	28/06/2019	3843536	19737679.1	

3843914	TRUMPF Maschinen Austria GmbH & Co. KG.	26/08/2019	3843914	19783410.4	German
3843954	Siemens Aktiengesellschaft	18/09/2019	3843954	19778883.9	German
3844852	Siemens Aktiengesellschaft	25/11/2019	3844852	19821009.8	German
3844936	VOLKSWAGEN AKTIENGESELLSCHAFT	26/06/2019	3844936	19736619.8	German
3845273	Neuboron Therapy System Ltd.	22/05/2019	3845273	19855979.1	
3845362	SOREMARTEC S.A.	24/11/2020	3845362	20209607.9	
3845404	SOGEFI FILTRATION	05/01/2021	3845404	21150285.1	French
3845718	VKR Holding A/S	23/12/2020	3845718	20216779.7	
3847342	SAFRAN AIRCRAFT ENGINES	06/09/2019	3847342	19783592.9	French
3847462	Oxford University Innovation Limited	30/08/2019	3847462	19762197.2	
3847734	Commissariat à l'Énergie Atomique et aux Énergies Alternatives	19/08/2019	3847734	19783091.2	French
3847952	Università Degli Studi Magna Graecia Catanzaro	16/12/2020	3847952	20214445.7	
3848122	Nankai University	19/08/2020	3848122	20191677.2	
3848299	August Berger Metallwarenfabrik GmbH	21/12/2020	3848299	20215904.2	German
3848729	Rockwell Collins, Inc.	08/01/2021	3848729	21150671.2	
3848982	Nichia Corporation	15/12/2017	3848982	21160607.4	
3849294	CRRC QINGDAO SIFANG ROLLING STOCK RESEARCH INSTITUTE CO., LTD.	05/06/2019	3849294	19913563.3	
3849703	F. Hoffmann-La Roche AG	09/09/2019	3849703	19765471.8	
3850145	ELECTROLUX APPLIANCES AKTIEBOLAG	27/08/2019	3850145	19759569.7	
3850202	SAFRAN AIRCRAFT ENGINES	01/10/2019	3850202	19778537.1	French
3850715	Université de Caen Normandie Ensicaen Commissariat à l'énergie atomique et aux énergies alternatives Centre National de la Recherche Scientifique	30/10/2019	3850715	19829255.9	French
3851545	SMS Group GmbH	23/12/2020	3851545	20216783.9	German
3851724	Nexans	20/01/2020	3851724	20305042.2	German

3853537	Qingdao Haier Refrigerator Co., Ltd. Haier Smart Home Co., Ltd. Haier US Appliance Solutions, Inc.	18/09/2019	3853537	19862971.9	
3853666	ASML Netherlands B.V.	27/08/2019	3853666	19758415.4	
3853957	Siemens Aktiengesellschaft	28/10/2019	3853957	19801698.2	German
3855144	HANZA GmbH	12/01/2021	3855144	21151160.5	German
3855735	SICK AG	12/01/2021	3855735	21151108.4	German
3855996	Arçelik Anonim Sirketi	29/08/2019	3855996	19761831.7	
3856482	Sidel Participations	16/09/2019	3856482	19795252.6	French
3856558	Audi AG	21/05/2019	3856558	19725975.7	German
3856707	ARKEMA FRANCE	09/09/2019	3856707	19791316.3	French
3857426	Advanced New Technologies Co., Ltd.	13/01/2020	3857426	20704165.8	
3858718	NSK LTD.	21/10/2020	3858718	20878026.2	
3859882	MBDA France	30/12/2020	3859882	20217749.9	French
3860808	Hilti Aktiengesellschaft	24/09/2019	3860808	19770121.2	German
3860971	ARKEMA FRANCE	18/09/2019	3860971	19790666.2	French
3860993	SYNGENTA PARTICIPATIONS AG	01/10/2019	3860993	19779896.0	
3861232	Igus GmbH	04/10/2019	3861232	19786511.6	German
3861324	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	30/09/2019	3861324	19782550.8	German
3861417	WashTec Holding GmbH	04/10/2019	3861417	19783497.1	German
3861628	Safran Electrical & Power	30/09/2019	3861628	19795283.1	French
3861900	TVS S.p.A.	04/02/2021	3861900	21155273.2	
3863171	Nanomotion Ltd.	26/01/2021	3863171	21153617.2	
3863876	AGCO International GmbH	02/10/2019	3863876	19786733.6	
3863994	SABIC Global Technologies B.V.	27/08/2019	3863994	19783627.3	
3863995	SABIC Global Technologies B.V.	27/08/2019	3863995	19783629.9	
3864244	S.I. S.r.l. Terno Scorrevoli S.p.A.	27/09/2019	3864244	19790805.6	
3864446	Abberior Instruments GmbH	07/10/2019	3864446	19786520.7	German
3864824	Telefonaktiebolaget LM Ericsson (publ)	08/10/2018	3864824	18783460.1	
3864921	Telefonaktiebolaget LM Ericsson (publ)	10/10/2018	3864921	18785935.0	
3865737	Asahi Denso Co., Ltd.	11/02/2021	3865737	21156564.3	
3865772	Hargassner Ges mbH	16/02/2021	3865772	21157306.8	German
3866407	Panasonic Intellectual Property Corporation of America	27/06/2017	3866407	21166733.2	
3866757	Aprecia Pharmaceuticals LLC	15/10/2019	3866757	19794857.3	

3866854	Boehringer Ingelheim International GmbH	16/10/2019	3866854	19787259.1	
3866935	UNILEVER GLOBAL IP LIMITED	14/10/2019	3866935	19786787.2	
3867574	Arçelik Anonim Sirketi	30/09/2019	3867574	19779871.3	
3868157	ORANGE	08/10/2019	3868157	19828813.6	French
3868416	ETH Zurich	08/09/2016	3868416	21168993.0	
3868511	F.O.M. Industrie S.r.l.	19/02/2021	3868511	21158253.1	
3868953	SEB S.A.	03/02/2021	3868953	21155090.0	French
3869919	LG Electronics Inc.	18/02/2021	3869919	21157855.4	
3871124	Stopinski, Wojciech Gajos- Stopinska, Paulina	02/04/2020	3871124	20718589.3	
3873719	Sidel Participations	29/10/2019	3873719	19816829.6	French
3874173	Schaeffler Technologies AG & Co. KG	13/06/2019	3874173	19734674.5	German
3875708	Sistemas Técnicos de Encofrados, S.A.	06/03/2020	3875708	20382161.6	
3875788	Renault s.a.s	24/02/2021	3875788	21159032.8	French
3875980	Bruker France S.A.S.	03/03/2020	3875980	20315032.1	
3877177	Saint-Gobain Glass France	25/10/2019	3877177	19791266.0	German
3877676	ZF Friedrichshafen AG	07/10/2019	3877676	19783522.6	German
3878320	SEB S.A.	03/03/2021	3878320	21160501.9	French
3879638	AXON CABLE	02/03/2021	3879638	21160337.8	French
3879866	Athonet S.R.L.	10/03/2020	3879866	20162235.4	
3880365	Commissariat à l'Énergie Atomique et aux Énergies Alternatives TotalEnergies OneTech	07/11/2019	3880365	19818230.5	French
3881015	Arçelik Anonim Sirketi	24/09/2019	3881015	19779424.1	
3881670	Kverneland Group Kerteminde A/S	20/03/2020	3881670	20164564.5	German
3882014	Japan Aviation Electronics Industry, Limited	20/01/2021	3882014	21152624.9	
3882141	Airbus Helicopters	12/02/2021	3882141	21156826.6	French
3882357	10X Genomics, Inc.	02/12/2016	3882357	21157421.5	
3882668	ZF Friedrichshafen AG	16/02/2021	3882668	21157283.9	German
3882716	Patek Philippe SA Genève	18/03/2020	3882716	20163938.2	French
3882914	Apollo Intelligent Connectivity (Beijing) Technology Co., Ltd.	14/10/2020	3882914	20201839.6	
3883912	Ioniqa Technologies B.V.	20/11/2019	3883912	19812930.6	
3884333	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	21/11/2018	3884333	18810954.0	

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3885241	BHBIKES EUROPE, S.L.	22/02/2021	3885241	21158406.5	
3885715	Emerson Climate Technologies GmbH	24/03/2020	3885715	20165396.1	German
3886664	SEB S.A.	22/11/2019	3886664	19805703.6	French
3888258	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	30/11/2018	3888258	18812148.7	
3890514	Unilever IP Holdings B.V.	14/11/2019	3890514	19801360.9	
3891835	Safran Power Units	04/12/2019	3891835	19813010.6	French
3892883	HONEYWELL INTERNATIONAL INC.	22/03/2021	3892883	21164117.0	
3893281	Commissariat à l'énergie atomique et aux énergies alternatives	01/04/2021	3893281	21166778.7	French
3893416	Commissariat à l'Energie Atomique et aux Energies Alternatives	12/03/2021	3893416	21162282.4	French
3893687	Rhenoflex GmbH	04/12/2019	3893687	19813838.0	German
3893994	Koninklijke Philips N.V.	11/12/2019	3893994	19813897.6	
3894347	Inventio AG	11/12/2019	3894347	19813903.2	
3895242	Safran Power Units	09/12/2019	3895242	19813866.1	French
3895410	Dover Europe Sàrl	12/12/2019	3895410	19816745.4	
3895770	Azone Co., Ltd.	12/01/2021	3895770	21151131.6	
3895914	Sumitomo Rubber Industries, Ltd.	30/03/2021	3895914	21165926.3	
3896329	ALSTOM Transport Technologies	15/04/2020	3896329	20315172.5	
3896523	Imec VZW Katholieke Universiteit Leuven	16/04/2020	3896523	20169757.0	
3899313	Mitsubishi Steel Mfg. Co., Ltd.	01/07/2019	3899313	19936076.9	
3899536	AVA Lifescience GmbH	19/12/2019	3899536	19832930.2	German
3899994	Abiomed Europe GmbH	10/11/2020	3899994	20800962.1	
3900539	Bonferraro S.p.A.	20/04/2020	3900539	20170291.7	
3900884	C.R.F. Società Consortile per Azioni	20/04/2020	3900884	20170332.9	
3901083	Abus Kransysteme GmbH	24/04/2020	3901083	20171320.3	German
3901584	Mitsubishi Electric Corporation	18/12/2018	3901584	18943872.4	
3902269	LG Electronics Inc.	25/08/2020	3902269	20192546.8	
3902447	Arçelik Anonim Sirketi	04/12/2019	3902447	19816627.4	
3902448	Arçelik Anonim Sirketi	27/12/2019	3902448	19836810.2	
3902508	Proger Healthcare Srl	20/12/2019	3902508	19838968.6	
3907708	Cogelec	04/05/2021	3907708	21172163.4	French
3908753	Actuator Solutions GmbH	10/03/2020	3908753	20713745.6	

3909878	Teepack Spezialmaschinen GmbH & Co. KG	12/05/2020	3909878	20174043.8	German
3911833	PML ENERGY AB	15/01/2020	3911833	20701410.1	
3912741	Hitachi, Ltd.	17/05/2021	3912741	21174010.5	
3912793	Borealis AG	18/05/2020	3912793	20175209.4	
3912810	Borealis AG	18/05/2020	3912810	20175210.2	
3912832	Sumitomo Rubber Industries, Ltd.	14/04/2021	3912832	21168260.4	
3914646	Wacker Chemie AG	26/02/2019	3914646	19708270.4	German
3915493	LEPU MEDICAL TECHNOLOGY (BEIJING) CO., LTD.	30/03/2020	3915493	20803730.9	
3915871	The Boeing Company	20/04/2021	3915871	21169331.2	
3916336	SHINKO ELECTRIC INDUSTRIES CO., LTD.	21/05/2021	3916336	21175366.0	
3917743	Airbus Atlantic	19/10/2020	3917743	20790317.0	French
3919178	Vecoplan AG	28/05/2021	3919178	21176451.9	German
3919725	NISSAN MOTOR Co., Ltd.	01/02/2019	3919725	19913993.2	
3922980	Sartorius Stedim Data Analytics AB	12/06/2020	3922980	20290050.2	
3924856	Google LLC	12/05/2020	3924856	20728874.7	
3925173	Telefonaktiebolaget LM Ericsson (publ)	18/12/2019	3925173	19828352.5	
3926169	LG Electronics Inc.	25/03/2021	3926169	21164769.8	
3926286	SHINKO ELECTRIC INDUSTRIES CO., LTD.	09/06/2021	3926286	21178561.3	
3929299	Conzil Estate GmbH	25/06/2020	3929299	20182382.0	
3933157	CDH Group	22/06/2021	3933157	21180814.2	French
3933183	AIRBUS OPERATIONS (S.A.S.)	04/06/2021	3933183	21177681.0	French
3933854	Westinghouse Electric Company Llc	30/01/2019	3933854	21000231.7	
3934381	Tokuden Co., Ltd.	30/06/2021	3934381	21182691.2	
3935104	Mercene Coatings AB	22/01/2021	3935104	21703154.1	
3935544	MITSUBISHI ELECTRIC CORPORATION	05/02/2021	3935544	21712586.3	
3939774	SICK AG	11/06/2021	3939774	21178901.1	German
3940635	HEURON CO., LTD.	14/07/2021	3940635	21185489.8	
3945197	tesa nie wieder bohren GmbH	20/07/2021	3945197	21186640.5	German
3950467	NISSAN MOTOR Co., Ltd. Renault s.a.s	26/03/2019	3950467	19920649.1	
3951727	iLOQ Oy	21/10/2020	3951727	21197269.0	
3952659	Unilever IP Holdings B.V.	30/03/2020	3952659	20713337.2	

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3963844	Telefonaktiebolaget LM Ericsson (publ)	03/05/2019	3963844	19722583.2	
3965545	Evonik Operations GmbH	27/04/2020	3965545	20720093.2	German
3978862	thyssenkrupp Marine Systems GmbH thyssenkrupp AG	06/09/2021	3978862	21195086.0	German
3987275	Leica Microsystems CMS GmbH	08/10/2020	3987275	20796485.9	
3990274	3M Innovative Properties Company	09/06/2020	3990274	20733019.2	

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### **Refused - Section 31(1)**

S20200130	Int. Cl. (2022.01) <b>A41D 13/00</b> . A face shield. CHRISTIAN HOYLE
20200162	Int. Cl. (2022.01) <b>A63B 69/00</b> . Boxing bag device that mimics the activity of a real sparing partner.. MARK JAMES

### **Withdrawn – Section 33(1)**

S20200274	Intravenous catheter with velcro straps. DAVID PENNY
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### **Patents Lapsed Through Non-Payment of Renewal Fees**

*Please note that due to the high volume of lapsed patents (mostly European Patents designating the State which are not subsequently validated), details of these patents are no longer included in the printed version of the Journal. Instead, they are available to view on the online version of the journal at <https://www.ipoi.gov.ie/en/ip-search-tools/search-the-journal/>*

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## Request for Grant of Supplementary Protection Certificate

The name and address of the requestor follow the number allocated to the request. The date in brackets following the name and address is the date of receipt of the request. The Patent number is that under which the product in respect of which a certificate is sought is, allegedly, protected. Market Authorisation references in respect of the product concerned are also shown.

- 2022038** JANSSEN PHARMACEUTICA NV, Turnhoutseweg 30, 2340  
Beerse, Belgium  
(29 July 2022)  
Patent No: 3808743; HIV REPLICATION INHIBITING  
PYRIMIDINES  
Product: A combination of rilpivirine or a therapeutically equivalent form thereof protected by the basic patent, such as a pharmaceutically acceptable addition salt of rilpivirine, including the hydrochloric acid salt of rilpivirine, and emtricitabine.  
Market Authorisation: Ireland EU/1/11/737/001-002, 28/11/2011  
European Union EU/1/11/737/001-002, 28/11/2011
- 2022039** GLOBAL BLOOD THERAPEUTICS, INC., 181 Oyster Point Blvd.  
South San Francisco, California 94080, United States of America  
(03 August 2022)  
Patent No: 2797416; SUBSTITUTED BENZALDEHYDE  
COMPOUNDS AND METHODS FOR THEIR USE IN  
INCREASING TISSUE OXYGENATION  
Product: Voxelotor or a tautomer or pharmaceutically acceptable salt thereof  
Market Authorisation: Ireland EU/1/21/1622, 15/02/2022  
European Union EU/1/21/1622, 15/02/2022
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## Supplementary Protection Certificates Granted

The name and address of the grantee follows the number allocated to the application for grant of a certificate; this number applies also to the granted certificate. The date in brackets following the name and address is the date of grant of the certificate. The number of the basic Patent and the title of the invention are followed by the name of the product for which the certificate is granted. Market authorisation references in respect of the product concerned are also shown, followed by the date of expiry of the certificate.

**2021026** ESTETRA SRL, Rue Saint-Georges 5, B-4000 Liège, Belgium  
(09/08/2022)  
Patent No: 1390042; DRUG DELIVERY SYSTEM COMPRISING A  
TETRAHYDROXYLATED ESTROGEN FOR USE IN HORMONAL  
CONTRACEPTION  
Product: Drospirenone in combination with Estetrol  
Market Authorisation: Ireland EU/1/21/1548 and EU/1/21/1547, 19/05/2021  
European Union EU/1/21/1548 and EU/1/21/1547, 19/05/2021  
Certificate Expires on: 22/05/2027

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## Patents Expired

- 83095 Int. Cl. (2022.01) **G06Q 10/00; G06Q 30/00**. A merchant disputed transaction management system. Verifone Systems Ireland Limited
- 83601 Int. Cl. (2022.01) **G06F 9/44; G06F 17/50**. An information management and control system. KINEMATIK RESEARCH LIMITED
- S86357 Int. Cl. (2022.01) **A01F 15/00**. A round baling apparatus.  
KVERNELAND GROUP RAVENNA S.R.L.
- 1273349 Biochip deposition system and method. Randox Laboratories Ltd.
- 1274203 Method for setting user equipment identifier in radio communication system. LG ELECTRONICS INC.
- 1275306 Method and apparatus for discontinuous cooling and mixing of a fluid food preparation. FRANZ ZENTIS GMBH & CO.
- 1277761 Process for the preparation of peptides. Merck Sharp & Dohme B.V.
- 1278005 Bulk gas built-in purifier with dual valve bulk container. AIR PRODUCTS AND CHEMICALS, INC.
- 1278173 Removable security identification label. FABRICA NACIONAL DE MONEDA Y TIMBRE - REAL CASA DE LA MONEDA
- 1279771 Roadway barrier. Hermann Spengler GmbH & Co. KG
- 1281913 Grate furnace. MARTIN GmbH für Umwelt- und Energietechnik
- 1281971 Method and kit for quantifying beta-lactam penicillins. Randox Laboratories Ltd.
- 1291021 Pharmaceutical formulations for thyroid hormones. ALTERGON S.A.
- 1291356 Process for rapid solution synthesis of peptides. Merck Sharp & Dohme B.V.
- 1296241 Secure virtual marketplace for virtual objects and services. Accenture Global Services Limited
- 1381063 Method for adjusting the switch-gap between the contact tongues of a reed switch. Kearney-National Netherlands Holding B.V.
- 1384559 Fiberboard with compressed edge. Fritz Egger GmbH & Co.
- 1386630 Powder inhaler. CHIESI FARMACEUTICI S.p.A.
- 1401763 CATALYST SUPPORTS AND CARBON NANOTUBES PRODUCED THEREON. Facultés Universitaires Notre-Dame de la Paix
- 1402141 SECURITY DEVICE FOR TRANSPORTING AND/OR STORING PAPER ITEMS OF VALUE. BRINK'S FRANCE
- 1404357 GONADOTROPIN RELEASING HORMONE ANTAGONIST IN GEL-FORMING CONCENTRATIONS. Ferring BV
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- 1404407 APPARATUS FOR ELECTRICAL STIMULATION. ATLANTIC THERAPEUTICS GROUP LIMITED
- 1404925 COUPLING FOR EXCAVATING WEAR PART. ESCO Group LLC
- 1405083 NATURAL LIGAND OF GPCR CHEMR23 AND USES THEREOF. OGEDA S.A.
- 1406523 STRAP AND CONTAINER PROVIDED WITH SUCH A STRAP. Jack Wolfskin Ausrüstung für Draussen Gmbh & Co. KGAA
- 1406731 APPARATUS FOR GAS/LIQUID CONTACTING. ERG (Air Pollution Control) Limited
- 1406832 METHOD FOR THE PRODUCTION OF A SALT-FREE AQUEOUS HYDROXYLAMINE SOLUTION. BASF AKTIENGESELLSCHAFT
- 1406833 METHOD FOR PRODUCING AN AQUEOUS HYDROXYLAMINE SOLUTION DEVOID OF SALT. BASF AKTIENGESELLSCHAFT
- 1407096 DEVICE FOR JOINING PRECAST CONCRETE PARTS. Pfeifer Holding GmbH & Co. KG
- 1407181 DEVICE FOR CONNECTING AND BLOCKING HOLLOW ELEMENTS FOR THE FORMATION OF FLUID DISTRIBUTION PLANTS. TESEO S.R.L.
- 1407198 VENTILATING SYSTEM. NuAire Limited
- 1407356 BROADBAND COMMUNICATIONS. Accenture Global Services Limited
- 1407562 METHOD AND APPARATUS FOR TIME-ALIGNING TRANSMISSIONS FROM MULTIPLE BASE STATIONS IN A CDMA COMMUNICATION SYSTEM. Qualcomm Incorporated
- 1408109 NOVEL METHOD FOR THE INDUCTION OF CELLULAR SENESCENCE AND METHOD FOR SCREENING ANTI-AGING AGENT. Ishikawa, Fuyuki
- 1408756 WEED CONTROL PROCESS. Syngenta Limited
- 1408794 TWO-STEP CONNECTING ELEMENT. Ekornes ASA
- 1408847 VESSEL CLOSURE MEMBER AND DELIVERY APPARATUS. Cook Medical Technologies LLC; OREGON HEALTH SCIENCES UNIVERSITY; Cook Biotech, Inc.
- 1408952 NAPHTHOQUINONE DERIVATIVES AS INHIBITORS OF TAU AGGREGATION FOR THE TREATMENT OF ALZHEIMER'S AND RELATED NEURODEGENERATIVE DISORDERS. Wista Laboratories Ltd.
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- 1408977 A COMBINATION THERAPY FOR THE TREATMENT OF HEART FAILURE. Orion Corporation
- 1409002 SPHEROIDS BASED ON PLANT EXTRACT ADSORBATES AND METHOD FOR PREPARING SAME. Societe Civile d'Inventeurs Apis Spheromont
- 1409034 TOPICAL PHARMACEUTICAL FORMULATION. Advanced Bio-Technologies, Inc.
- 1409036 PROSTHETIC DEVICES EMPLOYING OXIDIZED ZIRCONIUM SURFACES CONTACTING SURFACES OF CROSS-LINKED POLYETHYLENE. Smith & Nephew, Inc.
- 1409054 DEVICE FOR ISOLATING BIAS FLOW. THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK AT BUFFALO
- 1409123 METHOD AND APPARATUS FOR PREPARING PARTICLES. Nektar Therapeutics
- 1409125 MICROENCAPSULATED CATALYST, METHODS OF PREPARATION AND METHODS OF USE THEREOF. Reaxa Limited
- 1409244 POLYOLEFIN FILM, TAPE OR YARN. Lankhorst Pure Composites B.V.
- 1409401 METHOD FOR PRODUCING AN AQUEOUS HYDROXYLAMINE SOLUTION DEVOID OF SALT. BASF AKTIENGESELLSCHAFT
- 1409467 A N-ACYLSPHINGOSINE GLUCOSYLTRANSFERASE INHIBITOR. GENZYME CORPORATION; The Regents of the University of Michigan
- 1409477 PIPERIDINE DERIVATIVES AS NMDA RECEPTOR ANTAGONISTS. UCB Pharma, S.A.
- 1409478 IMPROVED PROCESS FOR PREPARING BENZIMIDAZOLE-TYPE COMPOUNDS. Janssen Pharmaceutica NV
- 1409539 METHOD FOR OBTAINING A TGF-BETA ENRICHED PROTEIN FRACTION IN ACTIVATED FORM, PROTEIN FRACTION AND THERAPEUTIC APPLICATIONS. Pierre Jouan Biotechnologies S.A.
- 1410433 SUPPORT WITH INTEGRATED DEPOSIT OF GAS ABSORBING MATERIAL FOR MANUFACTURING MICROELECTRONIC, MICROOPTOELECTRONIC OR MICROMECHANICAL DEVICES. SAES GETTERS S.p.A.
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- 1411766 FUNGICIDAL COMPOSITION AND USE OF THIS COMPOSITION FOR CONTROLLING PLANT DISEASES. Bayer Intellectual Property GmbH
- 1411775 METHOD FOR GUTTING BEHEADED AND NON-BEHEADED FISH AND DEVICE FOR IMPLEMENTING THE SAME. NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO KG
- 1411836 APPLICATOR FOR TISSUE ADHESIVE. Medlogic Global Limited
- 1411859 INTRAVASCULAR DEVICE. Abbott Cardiovascular Systems Inc.
- 1411867 PROSTHESIS HAVING A SLEEVE VALVE. WILSON-COOK MEDICAL INC.
- 1412006 PROTECTIVE DEVICE FOR A NEEDLE. DELTA MED S.P.A.
- 1412016 BALLOON CATHETER HAVING METAL BALLOON AND METHOD OF MAKING THE SAME. Advanced Bio Prosthetic Surfaces, Ltd.
- 1412048 A FILTER CARTRIDGE. Filter Technology Australia Pty Limited
- 1412263 DEVICE WITH RIGID CONTAINER AND SOFT CYLINDRICAL POUCH FOR PACKAGING FLUIDS. Lablabo
- 1412274 LIFT SYSTEM COMPRISING A MEASURING SYSTEM FOR DETERMINING THE ABSOLUTE POSITION OF THE CAGE. Inventio AG
- 1412357 BETA-AMINO TETRAHYDROIMIDAZO(1,2-A)PYRAZINES AND TETRAHYDROTRIAZOLO(4,3-A)PYRAZINES AS DIPEPTIDYL PEPTIDASE INHIBITORS FOR THE TREATMENT OR PREVENTION OF DIABETES. Merck Sharp & Dohme Corp.
- 1412371 IN VIVO PRODUCTION OF SMALL INTERFERING RNAs THAT MEDIATE GENE SILENCING. University of Massachusetts
- 1412487 ASSAY ELECTRODES HAVING IMMOBILIZED LIPID/PROTEIN LAYERS AND METHODS OF MAKING AND USING THE SAME. Meso Scale Technologies LLC
- 1412493 METHODS AND COMPOSITIONS RELATING TO IMPROVED LENTIVIRAL VECTOR PRODUCTION SYSTEMS. INSTITUT CLAYTON DE LA RECHERCHE
- 1412496 REVERSED MAMMALIAN PROTEIN-PROTEIN INTERACTION TRAP. Vlaams Interuniversitair Instituut voor Biotechnologie vzw.
- 1412550 SUPPORT WITH GETTER-MATERIAL FOR MICROMECHANICAL DEVICE. SAES GETTERS S.p.A.
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- 1412673 APPARATUS FOR THE PYROLYSIS OF WASTE MATERIAL.  
Environmental Power International (Holdings) Limited
- 1412758 PROTEIN ARRAYS, METHODS FOR THEIR PREPARATION AND  
METHODS FOR THE DETECTION OF INTERMOLECULAR  
INTERACTIONS. Université de Nantes
- 1412777 ROAD WEATHER PREDICTION SYSTEM AND METHOD.  
International Business Machines Corporation
- 1412829 METHOD AND APPARATUS FOR GENERATING A VOLATILIZED  
LIQUID. Philip Morris Products S.A.
- 1412838 METHOD FOR PROTECTING A SOFTWARE USING A SO-CALLED  
DETECTION AND COERCION PRINCIPLE AGAINST ITS  
UNAUTHORISED USE. VALIDY
- 1413350 MULTILAYER MICROPOROUS FILM. Asahi Kasei Medical Co., Ltd.
- 1414356 GUIDE FOR LOCATING FEMUR RESECTION PLANE. Depuy  
International Limited
- 1414428 HISTONE DEACETYLASE ENZYME-INHIBITING DERIVATIVES  
OF HYDROXAMIC ACID AS NEW CYTOKINE SYNTHESIS-  
INHIBITING ANTI-INFLAMMATORY DRUGS. ITALFARMACO  
S.p.A.
- 1414446 PRAMIPEXOL AS AN ANTICONVULSIVE AGENT. Boehringer  
Ingelheim Pharma GmbH & Co.KG
- 1414492 METHOD FOR TREATING MULTIPLE MYELOMA. HaemaLogiX Pty  
Ltd
- 1414803 PYRAZOLYLCARBOXANILIDES AS FUNGICIDES. Bayer  
CropScience Aktiengesellschaft
- 1414809 INDANE ACETIC ACID DERIVATIVES AND THEIR USE AS  
PHARMACEUTICAL AGENTS, INTERMEDIATES, AND METHOD  
OF PREPARATION. Bayer Corporation
- 1414959 DELIVERY OF DSRNA TO ARTHROPODS. Commonwealth Scientific  
and Industrial Research Organisation
- 1415056 Panel and fastening system for panels. Akzenta Paneele + Profile GmbH
- 1416804 METHOD AND APPARATUS FOR PREPARING A DAIRY  
PRODUCT. CHR. HANSEN A/S
- 1416842 PHARMACEUTICAL COMBINATIONS OF OXYCODONE AND  
NALOXONE. EURO-CELTIQUE S.A.
-

- 1416958 VACCINE COMPOSITION COMPRISING AT LEAST TWO VALENCES, ONE ENHANCED WITH ADJUVANT AND NOT THE OTHER. Sanofi Pasteur
- 1417180 PREPARATION OF AMINOPYRIMIDINE COMPOUNDS. AstraZeneca UK Limited
- 1417228 PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF CELLS. NYMOX CORPORATION
- 1417231 MODIFIED HUMAN THYMIC STROMAL LYMPHOPOIETIN. Immunex Corporation
- 1417474 NANOCHANNEL ARRAYS AND THEIR PREPARATION AND USE FOR HIGH THROUGHPUT MACROMOLECULAR ANALYSIS. THE TRUSTEES OF PRINCETON UNIVERSITY
- 1417584 PLAYLIST GENERATION METHOD AND APPARATUS. Audible Magic Corporation
- 1417738 PORTABLE LASER DEVICE. Innotech USA, Inc.
- 1418124 REINFORCING STEEL BAR TYING MACHINE. MAX CO., LTD.
- 1418951 TRANSDERMAL THERAPEUTIC SYSTEM (TTS) WITH FENTANYL AS ACTIVE INGREDIENT. LTS Lohmann Therapie-Systeme AG
- 1419384 METHODS FOR DETECTING PREGNANCY. Quest Diagnostics Investments Incorporated
- 1420645 MULTIVESICULAR EMULSION TOPICAL DELIVERY SYSTEMS. Healthpoint, Ltd.
- 1420694 SYSTEM FOR COLLECTING SMALL AMOUNTS OF BODY FLUID. F.HOFFMANN-LA ROCHE AG
- 1420804 METHODS AND COMPOSITIONS FOR CONTROL OF COCCIDIOSIS. Alltech, Inc.
- 1421099 17ALFA, 21-DIHYDROXYPREGNENE ESTERS AS ANTIANDROGENIC AGENTS. Cassiopea S.P.A.
- 1421431 CONTACT OR INTRAOCULAR LENS AND METHOD FOR ITS PREPARATION. CooperVision International Limited
- 1423024 PHALLUS RETENTION HARNESS. Astin, Cole T.
- 1423124 LYOPHILIZED FORMULATION COMPRISING OLANZAPINE. ELI LILLY AND COMPANY
- 1423138 USE OF IL-18 INHIBITORS IN HYPERSENSITIVITY DISORDERS. Merck Serono SA
- 1423985 SPEAKER EQUALIZATION TOOL. APPLE INC.
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1425319	EMBOLIC COMPOSITIONS WITH NON-CYANOACRYLATE RHEOLOGY MODIFYING AGENTS. Stryker European Holdings I, LLC; Stryker Corporation
1425645	A DISTRIBUTED NETWORK SYSTEM USING BIOMETRIC AUTHENTICATION ACCESS. Daon Enterprises Limited
1425850	CIRCUITS AND METHODS FOR COMPENSATING SWITCHED MODE AMPLIFIERS. Cirrus Logic, Inc.
1427444	WEST NILE VACCINE. Zoetis Services LLC
1428416	DISCHARGE SOURCE WITH GAS CURTAIN FOR PROTECTING OPTICS FROM PARTICLES. EUV Limited Liability Corporation
1429808	SOLID COMPOSITION CONTAINING BACILLUS-TYPE NON-PATHOGENIC BACTERIAL SPORES. sanofi-aventis S.p.A.
1435771	STABLE READY-TO-USE DOSAGE FORMS CONTAINING COLORING MATTER AND ACTIVE CHLORINE, AND METHODS OF MAKING AND USING. Freedman Ben-Horin, Shimon; Lipsicas, Leon
1436021	SINGLE USE SYRINGE AND PLUNGER ROD LOCKING DEVICE THEREFOR. Becton, Dickinson and Company
1438090	CONTAINER FOR USING FOR DIALYSIS. Fresenius Medical Care Deutschland GmbH
1448581	METHODS FOR DETECTION AND QUANTIFICATION OF ANALYTES IN COMPLEX MIXTURES. The Institute for Systems Biology
1539034	A DEVICE FOR IMPROVING CARDIAC FUNCTION. Edwards Lifesciences Corporation
1603118	Receiver and method for decoding parametric stereo encoded bitstream. Dolby International AB
1637660	Wear member and assembly. ESCO Group LLC
1637661	Wear assembly. ESCO Group LLC
1658872	Powder inhaler. CHIESI FARMACEUTICI S.p.A.
1669512	Locking element for use in a hook connection between rectangular, tabular panels. Akzenta Paneele + Profile GmbH
1854800	Antitumoral derivatives of Ecteinascidin ET-743. Pharma Mar, S.A.
2015292	Efficient and scalable parametric stereo coding for low bitrate audio coding applications. Dolby International AB
2025355	Container for use during dialysis. Fresenius Medical Care Deutschland GmbH

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- 2067775 A N-Acylsphingosine glucosyltransferase inhibitor. GENZYME CORPORATION; The Regents of the University of Michigan
- 2194210 Panel and fastening system for panels. Akzenta Paneele + Profile GmbH
- 2196596 Fastening system for panels. Akzenta Paneele + Profile GmbH
- 2248822 Meningococcus adhesins. GlaxoSmithKline Biologicals SA
- 2263973 METHODS FOR MAKING CHLOROUS ACID AND CHLORINE DIOXIDE. Sampson, Richard; Sampson, Allison
- 2266968 Synthesis of UDP-glucose: N-acylsphingosine glucosyltransferase inhibitors. Genzyme Corporation
- 2269690 APPARATUS FOR ELECTRICAL STIMULATION. ATLANTIC THERAPEUTICS GROUP LIMITED
- 2280070 Methods and compositions for RNAi mediated inhibition of gene expression in mammals. THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
- 2298249 Self-supporting metallic implantable grafts. Advanced Bio Prosthetic Surfaces, Ltd.
- 2298780 Antitumoral derivatives of Ecteinascidin ET-743. PHARMA MAR, S.A.
- 2371361 METHODS TO MOBILIZE PROGENITOR/STEM CELLS. Genzyme Corporation
- 2389889 Portable laser device. Innotech USA, Inc.
- 3104367 PARAMETRIC STEREO AUDIO DECODING. Dolby International AB
- 3219981 WIND TURBINE BLADE. Vestas Wind Systems A/S
- 3477640 PARAMETRIC STEREO AUDIO DECODING. Dolby International AB
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## Designs Registered Under The Industrial Designs Act, 2001

**23401**      23.04      JMT Engineering Asset Management, 8 Glenkeen, Redcross A67 FW22, Ireland  
Address for service is c/o JMT Engineering Asset Management  
8 Glenkeen, Redcross A67 FW22, Ireland

Date of Registration: 12 July 2022.

Mass air sterilisation appliance.



**23402**      23.04      JMT Engineering Asset Management, 8 Glenkeen, Redcross A67 FW22, Ireland  
Address for service is c/o JMT Engineering Asset Management  
8 Glenkeen, Redcross A67 FW22, Ireland

Date of Registration: 12 July 2022.

Mass air sterilisation appliance.



**23403**      28.04      Emma Griffin, 69 Main Street, Dublin A94 N6D0, Ireland  
 Address for service is c/o Emma Griffin  
 69 Main Street, Dublin A94 N6D0, Ireland

Date of Registration: 01 July 2022.

5D Clover Eyelash Extension



## **Renewal of Designs Registered under the Industrial Designs Act, 2001**

### **Registrations renewed for 5<sup>th</sup> period of 5 Years**

Design Number	Class
20145	19-06
20191	19-06
20244	23-04

### **Designs Registered Under The Industrial Designs Act 2001, which have expired due to non-renewal**

Design number	Class
21423	07-01
21424	07-01
21425	07-01
21426	02-03
22139	02.02
22140	03.01

**Iris um Oifig Maoine Intleachtúla na hÉireann**  
Journal of the Intellectual Property Office of Ireland

**Cuid II**  
**Trádmharcanna**

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**No. 2471**

**Wednesday, 31 August, 2022**

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**NOTE:** *The office does not guarantee the accuracy of its publications nor undertake any responsibility for errors or omissions or their consequences.*

*In this Part of the Journal, unless the context otherwise requires, a reference to the 1963 Act means the Trade Marks Act, 1963, a reference to the 1963 Rules means the Trade Marks Rules, 1963, a reference to the 1996 Act means the Trade Marks Act, 1996 and a reference to the 1996 Rules means the Trade Marks Rules, 1996.*

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## Application for Registration of marks published under Section 43(1) of the 1996 Act following acceptance

Notice is hereby given that Applications for the Registration of the undermentioned trade marks have been accepted.

Any person who desires to oppose the registration of these trade marks may within three months from the date of this Journal give notice to the Controller, in accordance with the provisions of Rule 18.

It should be noted that under the provisions of Rule 63(2) no extension of the opposition period is allowed for lodging opposition under Rule 18.

It is desirable before lodging formal opposition that a communication should be addressed to the Applicant affording him an opportunity to withdraw his application for registration. In this way cost of opposition proceedings may be avoided.



**267296** 24 May 2022

- Class 41. Video production; Video production services; Production of videos; Production of video films; Production of video recordings; Audio and video production, and photography; Audio, video and multimedia production, and photography.
- Class 45. Funerals; Funeral services; Funeral homes; Pet funeral services; Funeral ceremony services accompanying cremation; Pet funeral ceremony services

accompanying cremation;  
Funeral services  
accompanying cremation.

Alannah Pardy, 8 The Drive, Earslcourt, Kill, Kildare W91XV82, Ireland. Address for service is c/o Alannah Pardy, 8 The Drive, Earslcourt, Kill, Kildare W91XV82, Ireland.

The mark in use is/will be in the colour(s) Black background, White and Light blue text.

## Tipsy Bin

**267297** 22 November 2021

- Class 20. Containers, and closures and holders therefor, non-metallic.

Michael Egan, Mountkelly, Glenamaddy F45 HD23, Ireland. Address for service is c/o Michael Egan, Mountkelly, Glenamaddy F45 HD23, Ireland.

The mark in use is/will be in the colour(s) 'Black' only.



**267298** 02 August 2021

Class 12. Self-generating electric locomotives [diesel-electric locomotives]; electric vehicles; remote control vehicles, other than toys; hybrid cars; electric cars; automobiles; gasoline engines for land vehicles; window rain guards for cars; windshield wipers for automobiles; reversing alarms for vehicles; hydraulic circuits for automobiles; gear boxes for automobiles; dashboards for automobiles; doors for automobiles; clutch mechanisms for automobiles; anti-theft devices for vehicles; self-driving cars; automobile wheels; engines for land vehicles; motors for automobiles; mopeds; self-balancing one-wheeled electric scooters; electric unicycles; self-balancing two-wheeled electric scooters; electrically powered scooters [vehicles]; self-balancing vehicles; push scooters [vehicles]; bicycles; self-balancing unicycles; electric wheelchairs; camera drones, other than toys; camera drones; brakes for vehicles; upholstery for vehicles; air pumps [vehicle accessories]; safety seats for children, for vehicles; seat covers for vehicles; vehicle chassis; anti-theft alarms for vehicles; vehicle joysticks; windshields for vehicles

Priority Date Claimed: 09 June 2021 China

RIGHTEX ELECTRONIC LIMITED, Unit C, 9/F Winning House, No.72-76 Wing Lok Street, Sheung Wan, Hong Kong, THE HONG KONG SPECIAL ADMINISTRATIVE REGION OF THE PEOPLE'S REPUBLIC OF CHINA. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4 D04 F838, Ireland.

The Mark in English is AITO

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**FEMTOFIRE**

**267299** 15 June 2022

Class 9. Software to identify areas that are at risk of fire.

Louis Walsh, Guyscliffe, Camden Road, Crosshaven, Cork P43 NP86, Ireland. Address for service is c/o Louis Walsh, Guyscliffe, Camden Road, Crosshaven, Cork P43 NP86, Ireland.

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**AVS**

**267300** 22 March 2022

Class 9. Educational software, training software; Instructional apparatus, instructional instruments, teaching apparatus, teaching instruments, none of the aforesaid goods relating to security, fire, smoke, heating, sports, electrical signalling, electronic signalling or audio visual or interactive software; Electronic voting devices;

- Electronic tactile voting devices; Audio voting systems.
- Class 16. Ballot papers; voting slips; tactile voting devices in the form of plastic overlays or paper adhesive overlays for attachment to ballot papers and voting slips to facilitate voting by the visually impaired; ballot papers and voting slips incorporating aids to facilitate voting by users having literacy problems, impaired vision or dexterity limitations; Stationery; Voting envelopes; Voting cards.

Pakflatt (UK) Limited, 22 Springtown Park, Springtown Industrial Estate, County Londonderry BT48 0LY, United Kingdom. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4 D04 F838, Ireland.

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## Løvbjerg

267301 13 June 2022

- Class 35. Retail services relating to food; Retail services connected with stationery; Retail services relating to fruit; Retail services relating to candy; Retail services in relation to meats; Retail services in relation to beer; Retail services in relation to cutlery; Retail services in relation to umbrellas; Retail services in relation to toiletries; Retail services in relation to clothing; Retail services in relation to cookware; Retail services in relation to foodstuffs; Retail services in relation to tableware; Retail services in

relation to coffee; Retail services in relation to sorbets; Retail services in relation to chocolate; Retail services in relation to confectionery; Retail services in relation to desserts; Retail services in relation to seafood; Retail services in relation to games; Retail services in relation to toys; Retail services in relation to lubricants; Retail services relating to bakery products; Retail services relating to fragrancings preparations; Retail services relating to alcoholic beverages; Retail services relating to kitchen knives; Management of a retail enterprise for others; Retail services in relation to cleaning articles; Retail services in relation to horticulture products; Retail services in relation to gardening articles; Retail services in relation to festive decorations; Retail services in relation to frozen yogurts; Retail services in relation to ice creams; Retail services in relation to dairy products; Retail services in relation to cleaning preparations; Retail services in relation to dietary supplements; Retail services in relation to bakery products; Business management of wholesale and retail outlets; Unmanned retail store services relating to food; Unmanned retail store services relating to drink; Retail services in relation to pet products; Retail services in relation to hair products; Retail services via catalogues related to foodstuffs; Retail services via catalogues related to beer; Mail order retail services related to beer; Mail order retail services related to foodstuffs; Administration of the business affairs of retail stores; Retail services in

relation to food cooking equipment; Retail services in relation to disposable paper products; Retail services in relation to litter for animals; Retail services in relation to non-alcoholic beverages; Retail services in relation to sun tanning appliances; Retail services in relation to cups and glasses; Retail services in relation to food preparation implements; Retail services in relation to alcoholic beverages (except beer); Retail services in relation to preparations for making beverages; Presentation of goods on communications media, for retail purposes; Communication media (Presentation of goods on -), for retail purposes; Retail purposes (Presentation of goods on communication media, for -); Presentation of goods on communication media, for retail purposes; Retail services in relation to cups and drinking glasses; Retail services via catalogues related to non-alcoholic drinks; Mail order retail services related to non-alcoholic beverages; Retail services via global computer networks related to foodstuffs; Online retail store services relating to cosmetic and beauty products; Retail services via catalogues related to alcoholic beverages (except beer); Mail order retail services related to alcoholic beverages (except beer); Retail services via global computer networks related to non-alcoholic beverages; Retail services via global computer networks related to alcoholic beverages (except beer); Online retail services relating to cosmetics.

Sp/f Standard Consulting, Amaliegade 6, 2. tv., 1256 København K, Denmark. Address for service is c/o Sp/f Standard Consulting, Amaliegade 6, 2. tv., 1256 København K, Denmark.

1.1:



2.1:



Application is for a Series of 2 Trade Marks.

**267302** 15 June 2022

Class 36. Banking; Internet banking; Financial management.



Lucca Giovanni Tortato, Apartment 12, La Rochelle, Lamb Alley, Dublin D08YR91, Ireland. Address for service is c/o Lucca Giovanni Tortato, Apartment 12, La Rochelle, Lamb Alley, Dublin D08YR91, Ireland.

The mark in use is/will be in the colour(s) Black, green and white.



**267303** 02 March 2022

- Class 30. Pizza; Spaghetti; Pies; Candy; Burritos; Chocolate; Chicken wraps; Chocolate-based bars; Crepes; Crackers made of prepared cereals; Fajitas; Filled rolls; Sandwiches; Flapjacks; French toast; Popcorn; Lasagne; Nachos; Pasta dishes; Pancakes; Rice based dishes; Risotto; Tacos; Tortillas; Cereal bars and energy bars; Chocolate based products; Salt crackers; Sweets [candy]; Waffles; Sushi.
- Class 35. Retail services in relation to foodstuffs; Retail services in relation to coffee; Retail services in relation to ice creams; Retail services in relation to confectionery; Retail services in relation to dairy products.

Walnut Bakery Limited, 8 Kill Cottages, Monasterevin, Co Kildare W34 k067, Ireland. Address for service is c/o Law & Tech s.r.o, Rooseveltova 809/22, 04001 Kosice, Slovakia.

## JENZA

**267304** 16 June 2022

- Class 35. Employment agency services; Recruitment services; Information and advice regarding employment opportunities and internships; Job placement services; Arranging internships and summer camp jobs; Moving and relocation services, namely, planning and implementing moves of homes, education establishments and changes of employment for others; Tax advisory and tax reclaim services; Investigating for others the suitability of both employers and employees for job opportunities.
- Class 36. Financial sponsorship; Financial and banking advisory services; Planning of finances relating to taxation; Arranging of travel insurance.
- Class 39. Travel agency services for arranging travel; Travel booking for others; Arranging of transportation; Arranging of travel, work and holiday visas and travel documents; Travel consultancy.
- Class 43. Arranging of temporary accommodation; services for reserving temporary accommodation; Rental and provision of temporary accommodation; Temporary

accommodation for others;  
Hotel and hostel reservation  
services.

Inspire Travel Management Limited, Unit 1, Cranford  
Centre, Stillorgan Road, Dublin D04 X6HD, Ireland.  
Address for service is c/o FRKelly, 27 Clyde Road,  
Ballsbridge, Dublin 4 D04 F838, Ireland.



**267305** 14 June 2022

Class 35. Business advisory services.  
Class 37. Property development  
services [construction].

Moonsearch Limited, 85 Merrion Square South,  
Dublin D02FX60, Ireland. Address for service is c/o  
Moonsearch Limited, 85 Merrion Square South,  
Dublin D02FX60, Ireland.



**267306** 01 June 2022

Class 28. Stuffed teddy bear, Games,  
Playthings.

Justin Purcell, 7 Whitethorn Rd, Dublin 14  
D14VH75, Ireland. Address for service is c/o Justin  
Purcell, 7 Whitethorn Rd, Dublin 14 D14VH75,  
Ireland.

The mark in use is/will be in the colour(s) Red,  
Green, Blue.

**MARY FARRELL**

**Mary Farrell**

**Mary FARRELL**

**mary farrell**

Application is for a Series of 4 Trade Marks.

**267307** 17 June 2022

Class 35. Business consultancy.

Priority Date Claimed: 17 June 2022 United Kingdom

TEGAN JAAP ROOD LIMITED, FLAT 20,  
Cooperage Court, Cooperage Lane, Bristol BS31ff,  
United Kingdom. Address for service is c/o TEGAN  
JAAP ROOD LIMITED, 15 Tritonville Court,  
Sandymount, Dublin D04 HN12, Ireland.

1.1:

**myValuation.ie**

Your Digital Assistant

2.1:

**myValuation.ie**

Your Digital Assistant

Application is for a Series of 2 Trade Marks.

**267308** 15 February 2022

- Class 16. Printed matter; printed publications; cards; brochures; folders; binders; prints; posters; periodicals; adhesive stickers; book marks; Graphic representations; diaries; Writing instruments; calendars.
- Class 35. Auctioneering; auctioneering services.
- Class 42. Surveying; property surveying; residential and commercial property surveying.

SHERRY FITZGERALD GROUP IRELAND HOLDINGS LIMITED, Silverstone House, Ballymoss Road, Sandyford, Dublin 18 D18 A7K7, Ireland. Address for service is c/o MACLACHLAN & DONALDSON (IRELAND) LIMITED, trading as MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

**BE FIT FOR LIFE****267309** 16 December 2019

- Class 41. Education; providing of training; sporting activities; arranging and conducting of workshops; arranging and conducting of classes (training); coaching (training); conducting fitness classes; physical education; physical fitness instruction; physical fitness consultation; exercise [fitness] advisory services; fitness and exercise instruction; personal trainer services; physical fitness assessment services for training purposes; providing sports facilities; organising and arranging of courses, seminars, training courses and lectures; arranging of workshops; training consultancy and coaching; education services relating to nutrition; provision of educational health and fitness information; conducting training sessions on physical fitness online; provision of information on fitness training via an online portal.

BFIT4LIFE PERFORMANCE CENTRE LIMITED, 82 Moreen Road, Sandyford, Dublin 16, Ireland. Address for service is c/o Cruickshank, 8a Sandyford Business Centre, Sandyford, Dublin 18, Ireland.

The application for registration is proceeding on the basis of the mark having acquired distinctiveness though use.

## Union Made Raw Denim

267310 04 May 2022

- Class 24. Shirt fabrics.  
Class 25. T-shirts.

Quarter Mile Clothing Ltd., 11 Trinity Court, Clondalkin d22dd23, Ireland. Address for service is c/o Quarter Mile Clothing Ltd., 11 Trinity Court, Clondalkin d22dd23, Ireland.

The mark in use is/will be in the colour(s) Black.

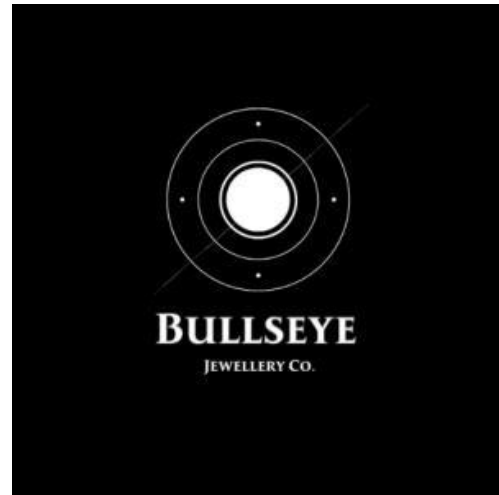
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## BLISS

267311 03 December 2021

- Class 29. Fruit, nut and seed-based snack bars; tofu-based snacks; legume-based snacks; dried fruit-based snacks.
- Class 30. Snack bars containing a mixture of grains, nuts and dried fruit [confectionery]; granola-based snack bars; chocolate coated snack bars; chocolate coated bars containing flavoured, whipped soft nougatine; chocolate coated wafer biscuits; chocolate coated bars; non-medicated confectionery for use as part of a calorie controlled diet; low-carbohydrate confectionery; snacks made from muesli.

Lightbody Ventures Limited, 154 West George Street, Glasgow G2 2HG, United Kingdom. Address for service is c/o Hugh Christian Finn, Murgitroyd & Company, Unit 1, Block 8, Blanchardstown Corporate Park, Cruiserath Road, Dublin D15 EE9T, Ireland.



267312 17 June 2022

- Class 14. Jewellery.

Bullseye Jewellery, Tullyvrick, Glann Road, Oughterard, Galway H91W5FH, Ireland. Address for service is c/o Bullseye Jewellery, C/o Brianna Williams, Tullyvrick, Glann Road, Oughterard, Galway H91W5FH, Ireland.



267313 14 January 2022

- Class 21. Cocktail shakers; Cocktail stirrers; Mixers, manual [cocktail shakers].
- Class 29. Dried fruit; Dried fruit products.
- Class 30. Spices; Mixed spices; Flavouring syrups; Flavoring syrup; Syrup for food.
- Class 32. Cocktails, non-alcoholic; Non-alcoholic cocktail mixes; Non-alcoholic fruit cocktails; Fruit drinks; Syrup for making lemonade; Syrup for making

beverages; Syrups for beverages; Syrups for making beverages; Syrups for making fruit-flavored drinks; Syrups for making flavoured mineral waters; Non-alcoholic syrups for making beverages; Syrups used in the preparation of soft drinks; Syrups and other non-alcoholic preparations for making beverages.

Drink Botanicals Ireland, 5 Warwick Terrace, Sallymount Avenue, Ranelagh, Dublin 6 D06V403, Ireland. Address for service is c/o Drink Botanicals Ireland, C/O Laura McCarthy, 5 Warwick Terrace, Sallymount Avenue, Ranelagh, Dublin 6 D06V403, Ireland.

The application for registration is proceeding on the basis of the mark having acquired distinctiveness through use

The mark in use is/will be in the colour(s) black and white

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## CRISPMAS

267314 20 June 2022

Class 29. Preserved, dried and cooked fruits and vegetables; potato-based snack foods and chips; soy-based snack foods and chips; fruit-based snack foods and chips; vegetable based snack foods and chips; nut-based snack foods and chips; ready to eat snack foods consisting primarily of potatoes and chips, nuts, nut products, seeds, fruits, vegetables or combinations thereof, including potato chips, potato crisps, fruit chips, fruit-based spreads, vegetable chips, vegetable-

based spreads and salads, taro chips, crisps, pork snacks, beef snacks, soy-based snacks, legume-based snacks and spreads, dips, cheese; snack mixes containing ready to eat snack foods consisting primarily of potatoes and chips, nuts, nut products, seeds, fruits, vegetables and combinations thereof; candied peanuts.

Class 30. Preparations made from cereals; ready to eat snack foods consisting primarily of grains, corn, cereal or combinations thereof, including corn chips, tortilla chips, pita chips, rice chips, rice cakes, rice crackers, crackers, pretzels, puffed snacks, popped popcorn, candied popcorn, salsas; rice based snack foods and chips; cereal-based snack foods and food bars; granola and granola based snack foods; popcorn, sauces; grain-based snack foods; corn-based snack foods and chips; flour-based snack foods consisting predominantly of grain and chips; bagel chips.

Frito-Lay Trading Company GmbH, Spitalgasse 2, CH-3011 Bern, Switzerland. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

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## BikeClub

267315 24 May 2022

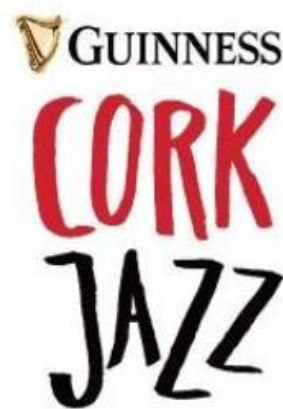
Class 12. Bicycles; Children's bicycles; Pedal bicycles; Balance

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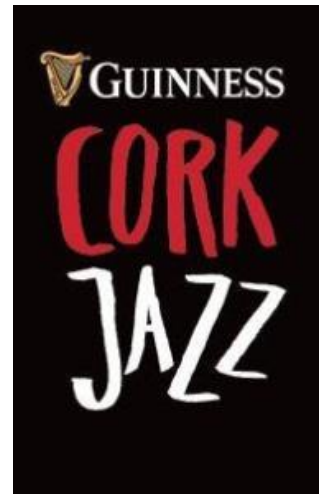
- bicycles [vehicles]; Road racing bicycles; Scooters; Electrically powered scooters; Push scooters [vehicles]; Self-balancing scooters; Non-motorized scooters [vehicles]; Electrically powered scooters[vehicles].
- Class 39. Bicycle rental; Bicycle sharing services; Rental of bicycles; Rental of scooters for transportation purposes; Leasing of vehicles.

DERMOT MARTIN, 172 Edgewood Lawns, Blanchardstown, Dublin D15 AC6H, Ireland. Address for service is c/o DERMOT MARTIN, 172 Edgewood Lawns, Blanchardstown, Dublin D15 AC6H, Ireland.

1.1:



2.1:



Application is for a Series of 2 Trade Marks.

**267316** 04 April 2022

- Class 9. Recordings of sound or images; computer software, sound or video recordings, or publications, in electronic form supplied on-line or from facilities provided on the Internet; digital music provided from the Internet; digital recordings of performing arts entertainment provided from the Internet; sound recordings and images downloadable from the Internet.
- Class 16. Printed matter; printed publications; magazines; periodical publications;

books, booklets; information books; promotional literature; programmes; flyers; leaflets; tickets and passes; photographs; posters, banners and wall hangings made of paper or cardboard; stickers, temporary tattoos; stationery, note books, folders; greetings cards and postcards; calendars and diaries; beer mats and coasters, all made of paper or card.

Class 25. Clothing; footwear; headgear; t-shirts, caps, baseball caps, sweatshirts, jackets.

Class 32. Beers; ale, stout and porter; low alcoholic beverages; mineral and aerated waters and other non-alcoholic beverages; fruit drinks and fruit juices; syrups and other preparations for making beverages.

Class 41. Organisation, promotion, production, management and conducting of performing arts entertainments and festivals, including such services provided on-line from a computer database or the Internet; performance arts and musical entertainment services; festival services; entertainment in the nature of live performance by a musical band; information, education, consultancy and advisory services relating to any of the aforesaid services, including such services provided on-line from a computer database or the Internet; organization, production and presentation of festivals, events and exhibitions for educational, cultural, sporting or entertainment purposes including live entertainment; organization, production and presentation of competitions, games, quizzes, shows, audience participation events and music events; information, advice and

assistance relating to all of the above services.

Diageo Ireland Unlimited Company, St. James's Gate, Dublin 8, Ireland. Address for service is c/o William Fry, LLP, 2 Grand Canal Square, Dublin D02 A342, Ireland.

The application for registration is proceeding with the consent of the Proprietors of Registered Irish Trade Mark Nos. 93441 and 242523.

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**TEGAN ROOD**

**Tegan Rood**

**Tegan ROOD**

**TEGAN rood**

Application is for a Series of 4 Trade Marks.

**267317** 17 June 2022

Class 35. Business consultancy.

Priority Date Claimed: 04 February 2022 United Kingdom

TEGAN JAAP ROOD LIMITED, FLAT 20, Cooperage Court, Cooperage Lane, Bristol BS31ff, United Kingdom. Address for service is c/o C/O TEGAN JAAP ROOD LIMITED, 15 Tritonville Court, Sandymount, Dublin D04 HN12, Ireland.

**TEGAN JAAP ROOD****Tegan Jaap Rood**

Application is for a Series of 2 Trade Marks.

**267318** 17 June 2022

Class 35. Business consultancy.

Priority Date Claimed: 24 January 2022 United Kingdom

TEGAN JAAP ROOD LIMITED, FLAT 20, Cooperage Court, Cooperage Lane, Bristol BS31ff, United Kingdom. Address for service is c/o TEGAN JAAP ROOD LIMITED, 15 Tritonville Court, Sandymount, Dublin D04 HN12, Ireland.

**CULTURE PARFUM**

**267319** 09 June 2022

Class 3. Preparations for application to or care of the skin, scalp, hair or nails; soaps; perfumes; essential oils; make-up; matifying paper; decorative cosmetic transfers; deodorants; cosmetics; non-medicated toilet preparations.

Class 16. Paper, cardboard, pencils, inks and adhesive materials, all included in Class 16, printed matter, publications, brochures, magazines, books, newsletters, invitations, flyers, photographs, works of art; drawings; paintings; engravings; stationery, artists materials (other than colours or varnish), artistic works, paint brushes; face towels of paper; calendars; posters;

stickers; transfers; stencils; paper patterns for use in making clothes and printed instructions relating to such goods; embroidery designs; temporary tattoos; catalogues; greetings cards; passport holders; paper bags; gift bags; wrapping materials; boxes and cartons; albums; stamps; club cards, charge cards, payment cards, loyalty cards, debit cards, credit cards (other than encoded or magnetic); authenticity cards; instructional and teaching material.

Class 35. Retail services, department store retail services, mail order retail services, electronic shopping retail services and wholesale outlet retail services connected with the sale of perfumes, toiletries, cosmetics, sunglasses, costume jewellery, watches, handbags, pocket wallets, vanity cases (not fitted), briefcases, articles of luggage, wallets, purses, leather belts, bags, sporrans, credit card holders, card holders, make-up bags and cases, cloth pouches and sleeves, gift sets containing cosmetics and/or perfumes and/or ingredients for making the same, key holders, clothing, footwear, cosmetic utensils, cosmetic wands, cosmetic applicators, tailor-made cosmetic and care products, handheld utensils and wands for applying skincare preparations or makeup; loyalty, incentive and bonus program services; sales promotion services; business management and organisation consultation; information and advisory services relating to the aforesaid; advertising and promotion services relating to these goods.



Class 41. Education, training, entertainment, sports and cultural activities; provision of apprenticeships; organisation of parties and fashion shows; art exhibitions; production of documentaries and films; organisation of parties; night clubs; providing on-line publications (not downloadable); publishing instructional teaching material and articles; provision of entertainment via podcast; production of podcasts.

Priority Date Claimed: 09 December 2021 United Kingdom

Chanel Limited, Queensway, Croydon CR9 4DL, United Kingdom. Address for service is c/o Patricia McGovern, DFMG Solicitors LLP, 38/39 Fitzwilliam Square, Dublin D02 NX53, Ireland.

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## C4 EXPLOSIVE ENERGY DRINK

**267320** 03 September 2020

Class 32. Energy drinks.

Woodbolt Distribution, LLC, DBA Nutrabolt, 4407 Monterey Oaks Blvd., Suite 150, Austin Texas 78749, United States of America. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

The application for registration is proceeding as a result of a Coexistence Agreement with the Applicants of pending EUTM No. 016790883

## EIGHTIESOKE

**267321** 14 June 2022

Class 41. Entertainment; Interactive entertainment; Musical entertainment; Television entertainment; Entertainment services; Live entertainment; Interactive entertainment services; Corporate hospitality (entertainment); Popular entertainment services; Party planning [entertainment]; Planning (Party -) [entertainment]; Entertainment party planning; Entertainment booking services; Booking of entertainment; On-line entertainment; Online interactive entertainment; Live entertainment services; Entertainment agency services; Musical entertainment services; Music entertainment services; Entertainment club services; Club entertainment services; Video entertainment services; Organising of entertainment; Live demonstrations for entertainment; Provision of musical entertainment; Arranging of musical entertainment; Production of live entertainment; Live entertainment production services; Organisation of entertainment events; Provision of live entertainment; Conducting of entertainment activities; Arranging of entertainment shows; Staged light entertainment services; Provision of entertainment facilities; Providing facilities for entertainment; Fan club services (entertainment); Night club services [entertainment]; Entertainment services for

children; Children's entertainment services; Showing of prerecorded entertainment; Organising of entertainment competitions; Organisation of entertainment competitions; Organization of entertainment competitions; Competitions (Organising of entertainment -); Education, entertainment and sports; Entertainment services provided by hotels; Exhibition services for entertainment purposes; Road shows being entertainment services; Organising events for entertainment purposes; Advisory services relating to entertainment; Entertainment by means of telephone; Entertainment services provided by vocalists; Film production for entertainment purposes; Entertainment services performed by singers; Entertainment services provided by television; Summer camps [entertainment and education]; Entertainment by means of concerts; Entertainment by means of television; Entertainment provided by cable television; Entertainment provided by videotext systems; Radio and television entertainment services; Television and radio entertainment services; Entertainment services performed by musicians; Entertainment relating to wine tasting; Entertainment services provided by telephone; Staging of light entertainment productions; Entertainment, sporting and cultural activities; Entertainment services provided by radio; Entertainment by means of radio; Production of television entertainment features; Production of television entertainment programmes; Club services [entertainment

or education]; Production of live entertainment features; Provision of on-line entertainment; Organisation of outings for entertainment; Entertainment provided via the internet; Entertainment services featuring fictional characters; Production of live entertainment events; Multimedia entertainment software publishing services; Presentation of live entertainment events; Entertainment, education and instruction services; Gaming services for entertainment purposes; Presentation of live entertainment performances; Conducting of live entertainment events; Lighting productions for entertainment purposes; Provision of entertainment via podcast; Closed circuit television entertainment services; Entertainment services provided at nightclubs; Provision of club entertainment services; Entertainment services provided at discotheques; Entertainment services relating to quizzes; Entertainment services relating to competitions; Entertainment services sharing computer games; Entertainment services provided for children; Information services relating to entertainment; Entertainment services relating to sport; Provision of rooms for entertainment; Entertainment services in the nature of organizing social entertainment events; Entertainment services in the nature of arranging social entertainment events; Organising of competitions for entertainment; Entertainment by means of roadshows; Education, entertainment and sport

services; Arranging of competitions for entertainment purposes; Arranging of demonstrations for entertainment purposes; Arranging of festivals for entertainment purposes; Preparation of entertainment programmes for broadcasting; Fetes (Organisation of -) for entertainment purposes; Festivals (Organisation of -) for entertainment purposes; Arranging of conventions for entertainment purposes; Competitions (organisation of -) [education or entertainment]; Competitions (Organization of -) [education or entertainment]; Organisation of competitions (education or entertainment); Organization of competitions [education or entertainment]; Arranging of displays for entertainment purposes; Arranging of exhibitions for entertainment purposes; Conducting of exhibitions for entertainment purposes; Conducting entertainment exhibitions in magic shows; Production of films for entertainment purposes; Sound recording and video entertainment services; Organising of competitions [entertainment] by telephone; Ticket procurement services for entertainment events; Wedding celebrations (Organisation of entertainment for -); Arranging of seminars relating to entertainment; Production of entertainment shows featuring dancers; Production of entertainment shows featuring instrumentalists; Provision of entertainment facilities in hotels; Organisation of conferences related to entertainment; Arranging of conferences relating to entertainment; Social club

services for entertainment purposes; Providing entertainment information via a website; Organisation of competitions [education or entertainment]; Organisation of entertainment for birthday parties; Entertainment services provided by performing artists; Providing sports entertainment via a website; Providing video entertainment via a website; Planning and conducting of parties [entertainment]; Telephone information services relating to entertainment; Ticket information services for entertainment events; Arranging of visual and musical entertainment; Publication of books relating to entertainment; Organising of shows for entertainment purposes; Arranging and conducting of entertainment events; Arranging and conducting of entertainment activities; Production of entertainment shows featuring singers; Entertainment by means of theatre productions; Arranging of presentations for entertainment purposes; Entertainment services provided at country clubs; Provision of entertainment services for children; Provision of information relating to entertainment; Entertainment services for producing live shows; Provision of rooms adapted for entertainment; Organisation of entertainment and cultural events; Organising of exhibitions for entertainment purposes; Information about entertainment and entertainment events provided via online networks and the Internet; Entertainment in the nature of golf tournaments; Production of live television

programmes for entertainment; Arranging of competitions for education or entertainment; Entertainment in the nature of fashion shows; Entertainment in the nature of yacht races; Preparation of special effects for entertainment purposes; Entertainment in the nature of fireworks displays; Entertainment in the nature of basketball games; Entertainment in the nature of air shows; Organisation of competitions for education or entertainment; Rendering of musical entertainment by vocal groups; Provision of radio and television entertainment services; Entertainment in the nature of light shows; Entertainment services by stage production and cabaret; Organizing and arranging exhibitions for entertainment purposes; Information and advisory services relating to entertainment; Production of audio tapes for entertainment purposes; Entertainment by means of wireless television broadcasts; Provision of entertainment information by electronic means; Entertainment provided via aglobal communication network; Organisation of competitions [education and/or entertainment]; Organization of competitions for education or entertainment; Consultancy services in the field of entertainment; Provision of entertainment information via the Internet; Entertainment services in the nature of competitions; Providing multi-media entertainment via a website; Organisation of entertainment activities for summer camps; Entertainment services performed by a musical group; Entertainment

services provided by a musical group; Entertainment services provided by a music group; Booking of seats for entertainment events; Entertainment in the nature of dance performances; Rendering of musical entertainment by instrumental groups; Arranging and conducting of live entertainment events; Entertainment provided during intervals of sporting events; Providing information on entertainment through computer networks; Entertainment in the nature of orchestra performances; Entertainment in the nature of laser shows; Entertainment services relating to ten pin bowling; Entertainment services in the nature of contests; Entertainment in the nature of hockey games; Entertainment services provided at a motor racing circuit; Entertainment services in the form of cinema performances; Entertainment services relating to the playing of golf; Production of entertainment shows featuring dancers and singers; Entertainment services provided by a musical vocal group; Entertainment in the nature of ice hockey games; Organising of meetings in the field of entertainment; Entertainment services in the form of television programmes; Karaoke services; Providing karaoke facilities; Providing karaoke equipment; Karaoke lounge services; Providing karaoke services; Karaoke machine rental services; Provision of karaoke services.

Donal Fennell, 6 Ryemont Abbey, Leixlip W23  
K5N4, Ireland  
Paula Gilmer, 12 Queen's Park,  
Monkstown A94 N055, Ireland.

Address for service is c/o Donal Fennell and Paula Gilmer, 6 Ryemont Abbey, Leixlip, Co. Kildare W23 K5N4, Ireland.



**267322** 17 June 2022

Class 14. Jewellery.

Oh Divine Jewellery, Carrowmanagh, Oughterard, Galway H91W5FH, Ireland. Address for service is c/o Oh Divine Jewellery, c/o Brianna Williams, Carrowmanagh, Oughterard, Galway H91W5FH, Ireland.



**267323** 20 June 2022

Class 41. Education.

The Board of Management of St. David's Holy Faith Secondary School, Marine Road, Greystones, Co. Wicklow A63 AW90, Ireland. Address for service is c/o The Board of Management of St. David's Holy Faith Secondary School, Marine Road, Greystones, Co. Wicklow A63 AW90, Ireland.

The mark in use is/will be in the colour(s) Light blue: C:70, M:11, Y:18, K:0 Dark blue: C:94, M:61, Y:27, K:8



**267324** 01 June 2022

Class 6. Pipes, tubes and hoses, and fittings therefor, including

- valves, of metal, small items of metal hardware, all aforementioned goods, in relation to the following goods, apparatus and installations for heating, refrigerating, ventilating, air conditioning and water supply and sanitary purposes, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity.
- Class 7. Pumps, compressors and blowers; engines, powertrains, and machine parts, and controls for the operation of machines and engines, in relation to the following goods, cogeneration installations, apparatus and installations for heating, refrigerating, ventilating, air conditioning and water supply and sanitary purposes, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity.
- Class 9. Databases; application software; software for monitoring, analysing, controlling and running physical world operations; web application and server software; apparatus, instruments and cables for electricity; apparatus and instruments for accumulating and storing electricity; fuel cells; apparatus and instruments for controlling electricity; photovoltaic apparatus for generating electricity; photovoltaic inverters; communications equipment; measuring, detecting, monitoring and controlling devices.
- Class 11. Flues and installations for conveying exhaust gases; sanitary installations, water supply and sanitation equipment; burners, boilers and heaters; heat pumps; fireplaces; personal heating and drying implements; regulating and safety accessories for water and gas installations; heating, ventilating, and air conditioning and purification equipment (ambient); heating apparatus, in relation to the following goods, cogeneration units.
- Class 35. Advertising, marketing and promotional services; provision of business assistance; business assistance, management and administrative services; commercial information and advice for consumers in the choice of products and services; all the aforesaid services, in relation the following goods, apparatus and installations for heating, refrigerating, ventilating, air conditioning and water supply and sanitary purposes, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity.
- Class 37. Installation, cleaning, repair and maintenance, in relation to the following goods, apparatus and installations for heating, refrigerating, ventilating, air conditioning and water supply and sanitary purposes, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity.
- Class 38. Providing access to electronic communications networks and electronic databases; automatic transfer of digital data using telecommunications channels; data transmission; electronic

- transmission of messages and data; digital transmission of data; computer communication and internet access.
- Class 39. Distribution by pipeline and cable; transportation and delivery of goods; packaging and storage of goods.
- Class 42. IT services; science and technology services; testing, authentication and quality control; all the aforesaid services, in relation to the following goods, apparatus and installations for heating, refrigerating, ventilating, air conditioning and water supply and sanitary purposes, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity.

Priority Date Claimed: 20 December 2021 United Kingdom

Vaillant GmbH, Berghauser Strasse 40, D-42859 Remscheid, Germany. Address for service is c/o Anne Ryan & Co, 2 Crofton Terrace, Dun Laoghaire, Co. Dublin, A96 V6P7, Ireland.

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glow  worm

267325 01 June 2022

- Class 6. Pipes, tubes and hoses, and fittings therefor, including valves, of metal, small items of metal hardware, all aforementioned goods, in relation to the following goods, apparatus and installations for heating, refrigerating, ventilating, air

- conditioning and water supply and sanitary purposes, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity.
- Class 7. Pumps, compressors and blowers; engines, powertrains, and machine parts, and controls for the operation of machines and engines, in relation to the following goods, cogeneration installations, apparatus and installations for heating, refrigerating, ventilating, air conditioning and water supply and sanitary purposes, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity.
- Class 9. Databases; application software; software for monitoring, analysing, controlling and running physical world operations; web application and server software; apparatus, instruments and cables for electricity; apparatus and instruments for accumulating and storing electricity; fuel cells; apparatus and instruments for controlling electricity; photovoltaic apparatus for generating electricity; photovoltaic inverters; communications equipment; measuring, detecting, monitoring and controlling devices.
- Class 11. Flues and installations for conveying exhaust gases; sanitary installations, water supply and sanitation equipment; burners, boilers and heaters; heat pumps; fireplaces; personal heating and drying implements; regulating and safety accessories for water and gas

- installations; heating, ventilating, and air conditioning and purification equipment (ambient); heating apparatus, in relation to the following goods, cogeneration units.
- Class 35. Advertising, marketing and promotional services; provision of business assistance; business assistance, management and administrative services; commercial information and advice for consumers in the choice of products and services; all the aforesaid services, in relation the following goods, apparatus and installations for heating, refrigerating, ventilating, air conditioning and water supply and sanitary purposes, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity.
- Class 37. Installation, cleaning, repair and maintenance, in relation to the following goods, apparatus and installations for heating, refrigerating, ventilating, air conditioning and water supply and sanitary purposes, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity.
- Class 38. Providing access to electronic communications networks and electronic databases; automatic transfer of digital data using telecommunications channels; data transmission; electronic transmission of messages and data; digital transmission of data; computer communication and Internet access.
- Class 39. Distribution by pipeline and cable; transportation and

- delivery of goods; packaging and storage of goods.
- Class 42. IT services; science and technology services; testing, authentication and quality control; all the aforesaid services, in relation to the following goods, apparatus and installations for heating, refrigerating, ventilating, air conditioning and water supply and sanitary purposes, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity.

Priority Date Claimed: 20 December 2021 United Kingdom

Vaillant GmbH, Berghauser Strasse 40, D-42859 Remscheid, Germany. Address for service is c/o Anne Ryan & Co, 2 Crofton Terrace, Dun Laoghaire, Co. Dublin, A96 V6P7, Ireland.

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## XHINKCAR

**267326** 26 April 2022

- Class 9. Diagnostic apparatus, not for medical purposes; Testing apparatus for diagnostic purposes [other than medical]; Automobile testing instruments and equipment; Automobile testing instruments; Vehicle test equipment; Engine analyzer; Speedometer for vehicle; Automatic indicators of low pressure in vehicle tires; Downloadable mobile phone application software; Automobile fault [diagnosis] software; Automobile maintenance software;



	<p>Computer for diagnosing automobile faults; data processing apparatus; computer peripheral devices; couplers [data processing equipment]; readers [data processing equipment]; computer programs, downloadable; computer software applications, downloadable; personal digital assistants [PDAs]; computer software platforms, recorded or downloadable.</p> <p>Class 12. Anti-skid chains; trailer hitches for vehicles; bumpers for automobiles; shock absorbers for automobiles; brake pads for automobiles; automobile tyres; spikes for tyres; adhesive rubber patches for repairing inner tubes; vehicle bumpers; anti-theft alarms for vehicles.</p> <p>Class 35. Advertising; On-line promotion of computer networks and websites; import-export agency services; marketing; provision of an online marketplace for buyers and sellers of goods and services; Marketing services in the field of web site traffic optimization; business management and organization consultancy; personnel management consultancy; systemization of information into computer databases; sponsorship search.</p> <p>Class 37. Vehicle repair and maintenance; motor vehicle maintenance and repair; vehicle breakdown repair services; vehicle service stations [refuelling and maintenance]; vehicle cleaning; vehicle battery charging; anti-rust treatment for vehicles; retreading of tyres; tyre balancing; Maintenance of tires.</p> <p>Class 42. Computer software design; Updating of computer software; Maintenance of computer software; Software</p>	<p>as a Service (SaaS); Development of computer platform; Design and development of computer software; Vehicle performance test; functional testing of equipment and instruments; Product quality testing services; Product safety testing services.</p> <p>THINKCAR TECH CO., LTD., 2606, Building 4, Phase II, TiananYungu, Gangtuo Community, Bantian, Longgang District, 518000 Shenzhen, Guangdong, China. Address for service is c/o Murgitroyd &amp; Company, Unit 1, Block 8, Blanchardstown Corporate Park, Cruiserath Road, Blanchardstown, Dublin D15 EE9T, Ireland.</p> <hr/> <div data-bbox="906 1025 1337 1205" data-label="Image"> </div> <p><b>267327</b> 15 June 2022</p> <p>Class 4. Industrial oils and greases, wax, lubricants, dust absorbing, wetting and binding composition, fuels and illuminants, candles and wicks for lighting.</p> <p>Top Part Holdings Limited, Upper Rock Street, Tralee, Kerry, Ireland. Address for service is c/o Ciaran Doyle, 29 Anglesea Street, Dublin 2, Dublin 02, Ireland.</p> <p>The mark in use is/will be in the colour(s) Blue and Red</p>
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**267328** 23 February 2022

Class 35. Promoting the sale of the services [on behalf of others] by arranging advertisements.

Noel McKeon, Gortyclery, Eslin, Carrick on Shannon, Co Leitrim N41HH99, Ireland. Address for service is c/o Noel McKeon, Gortyclery, Eslin, Carrick on Shannon, Co Leitrim N41HH99, Ireland.

The application for registration is proceeding with the consent of 2014/01764 (251489)

The mark in use is/will be in the colour(s) red

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## Magotteaux

**267329** 16 March 2022

Class 1. Ceramic material in granule form for use in industry for making grinding bodies, grinding elements, grinding balls; Ceramic composite materials for use in the manufacture of reinforced castings; Grinding elements of metal/ceramic alloy for industrial grinding machines;

Particles and grains of metal/ceramic alloy used as reinforcements in wear parts fitted on industrial grinding machines.

Class 6. Unwrought and semi-wrought common metals and their alloys; Metal composite materials for use in the manufacture of reinforced castings; Steel and Steel alloys; Composite alloys comprising metal; Metal/ceramic composite materials; Refractory steel; Stainless steel; Special high alloy steel resistant against wear, impact, heat and corrosion; Metal castings; Casting alloys; Casting of steel or its alloys; Unwrought or semi-wrought cast iron; Alloys of cast iron or its alloys; Special high alloy cast iron resistant against wear, impact, heat and corrosion; Castings of cast iron or its alloys; Bars from sintering plants; Bars of metal; Valves of stainless steel; Caps of metal.

Class 7. Grinding machines; Grinders; Grinding apparatus; Grinding tools for grinding machines; Grinding bodies, grinding balls, interior linings, armour plates of alloy, diaphragms, gratings, hammers, beaters, anvils, cones all for industrial grinders; Chains for furnaces; Teeth of excavating machines; Teeth of mechanical shovels; Dredging teeth, armour plates of rubber, sorting machines, pump housings, pump wheels, wear plates and parts for the cement, mining, aggregates and dredging industry.

Class 35. Sales administration; Sales promotion; Commercial management; Providing consumer product information; Sales management services; Wholesaling of grinding media and wear parts for

abrasion and impact applications; Marketing services; Providing marketing information via websites; Administrative order processing; Preparation of invoices; Bill presentment services; All the aforesaid services being provided exclusively in the high abrasion extraction industry.

Class 40. Abrasion; Metal casting; Shaping of metal components; Metal finishing; Metalworking; Manufacture of high performance parts for crushing and grinding.

Class 42. Design of industrial machinery; Design of specialist machinery; Design of industrial products; Scientific and technological design; Product development; Technical assessments relating to design; Conducting industrial tests; Design and testing for new product development; Material testing; Technical measuring; Inspection of plant and machinery; Industrial testing; Metallurgical testing; Provision of surveys [technical]; Provision of surveys [scientific]; All the aforesaid services being provided exclusively in the high abrasion extraction industry.

Magotteaux International S.A., Rue Adolphe Dumont 4051, Vaux-sous-Chèvremont, Belgium. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.



**267330** 15 March 2022

Class 44. Mental health services; Mental health screening services; Providing mental rehabilitation facilities.

Patrick Flynn, 50 Grattan Lodge, Dublin D13X9V6, Ireland. Address for service is c/o Patrick Flynn, 50 Grattan Lodge, Dublin D13X9V6, Ireland.

The mark in use is/will be in the colour(s) black, grey and white

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## Parsons of Baggot Street Bridge

**267331** 20 June 2022

Class 35. Retail services connected with the sale of books and other printed matter and publications; the bringing together, for the benefit of others, of a variety of books and other printed matter and printed publications enabling customers to conveniently view, sample and purchase those goods in a retail outlet; the bringing together, for the benefit of others, of a variety of books and other printed matter and printed publications enabling

customers to conveniently view, sample and purchase those goods from a mail order catalogue or internet web site or by means of telecommunications; the provision of information and advice to prospective purchasers of the aforementioned goods including such services provided on-line from a database, via the Internet or any other communications network; advertising and promotional services; incentive and loyalty schemes; retail services in respect of apparatus for recording, transmission or reproduction of sound or images, magnetic data carriers, recording discs, computer software, pre-recorded and blank CDs and DVDs, computer games, paper, cardboard, printed publications, books, periodicals, brochures, magazines, newspapers, stationery, artists' materials, office requisites, instructional and teaching materials, games, toys and playthings; market assessment and reporting services; business information services; market research services; consultancy services relating to business planning; strategic business planning; business management consultancy services; marketing analysis and marketing surveys; publicity, advertising and promotional services; the organisation and management of promotional and incentive schemes; information, advice and business assistance, all relating to the aforesaid services; retail services connected with the sale of board games, jigsaws, stationery supplies, art materials; retail services

connected with the sale of pamphlets, printed pamphlets, brochures, printed brochures, information booklets, books, printed autograph books, binding materials for books and papers, educational books, scrap books, photographs, photographs [printed], signed photographs, photographs (apparatus for mounting), unmounted and mounted photographs, writing books, writing Instruments, writing cases (stationery), photographic images and collectable pieces of imagery and writings; business management of retail outlets.

JOHN O'BRIEN, Bridge House, Baggot Street Bridge, Dublin 4, Ireland. Address for service is c/o MACLACHLAN & DONALDSON (IRELAND) LIMITED, trading as MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

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## IMFER

**267332** 26 May 2022

- Class 1. Chemicals for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets.
- Class 5. Medicated food additives for animals all containing postbiotic for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets; vitamin, mineral and trace element dietary supplements and nutritional additives for animals; vitamin, mineral and trace element dietary supplements and nutritional additives for foodstuffs for

animals all containing postbiotic for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets; herbal medicine; compounds for treating cancer; herbal compounds for medical use; compounds for treating respiratory diseases; anti-itch ointments; ointments for pharmaceutical purposes; medicated ointments for application to the skin; medicinal ointments; seaweed extracts for medical and pharmaceutical purposes; medicinal herbal extracts for medical purposes; lotions for veterinary purposes and medicated lotions; insect repellents for use with animals including swine; disinfectants for hygiene purposes and for animal care; veterinary preparations all containing postbiotic for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets; seaweed and algae based food additives all containing postbiotic chemicals for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets, vitamins, minerals and trace elements; seaweed and algae based veterinary preparations all containing postbiotic for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets.

Class 31. Foodstuffs and fodder for animals all containing postbiotic for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets; flavoured foodstuffs for animals all containing postbiotic for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets; hay, silage and preserved crops for animal feeds all containing postbiotic for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets; animal beverages;

litter and bedding for animals including swine; algae and algae derivatives for animal consumption all containing postbiotic for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets; seaweed and seaweed derivatives for animal consumption all containing postbiotic for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets; milk and milk substitutes for animals all containing postbiotic for use in dairy, beef, sheep, pigs, poultry, goat, buffalo, equine and pets.

MARIGOT LIMITED trading as CELTICSEA MINERALS, Strand Farm, Currabinny, Carrigaline Co Cork, Ireland. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

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## MenoSea

267333 09 June 2022

Class 5. Magnesium hydroxide for medicinal use; Nutritional supplements consisting primarily of magnesium; Dietary supplements consisting primarily of magnesium; Mineral supplements; Mineral dietary supplements; Mineral food supplements; Mineral drinks (Medicated -); Mineral water salts; Salts (Mineral water -); Mineral salts for baths; Mineral supplements to foodstuffs; Mineral nutritional supplements; Salts for mineral water baths; Baths (Salts for mineral water -); Vitamin and

mineral preparations; Vitamin and mineral supplements; Medicated mineral salts for baths; Mineral preparations for medical purposes; Vitamin and mineral food supplements; Mineral salts for medical purposes; Mineral waters for medical purposes; Waters (Mineral -) for medical purposes; Mineral dietary supplements for humans; Mineral supplements for feeding livestock; Mineral dietary supplements for animals; Gummy vitamins; Prenatal vitamins; Vitamins for animals; Baby vitamins; Preparations of vitamins; Vitamins for pets; Vitamins and vitamin preparations; Dietary supplements consisting of vitamins; Health food supplements made principally of vitamins; Preparations for supplementing the body with essential vitamins and microelements; Health food supplements made principally of minerals.

Brian Fitzpatrick, 57 Abbeyfield, Clontarf West, Dublin D05X9X4, Ireland. Address for service is c/o Brian Fitzpatrick, 57 Abbeyfield, Clontarf West, Dublin D05X9X4, Ireland.

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## GEMS

**267334** 16 September 2021

Class 30. Sugar confectionery.

CADBURY UK LIMITED, P.O. Box 12, Bournville Lane, Bournville, Birmingham B30 2LU, United Kingdom. Address for service is c/o MACLACHLAN & DONALDSON (IRELAND) LIMITED, trading as MACLACHLAN & DONALDSON, Unit 10, 4075

Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

The application for registration is proceeding with the consent of the Proprietor of Registered Irish Trade Mark No.'s 204623 and 209342



**267335** 14 June 2022

Class 16. Printed periodicals in the field of tourism.

Class 35. Advertising in the field of tourism and travel; Advisory services in the field of tourism and travel; Business management in the field of tourism and travel; Development and Implementation of marketing strategies for Clare Tourism.

Class 41. Publication of directories relating to tourism.

CLARE COUNTY COUNCIL, New Road, Ennis, Co. Clare, V95 DXP2, Ireland. Address for service is c/o Clare County Council, C/O Philomena O'Connell, Tourism Department, New Road, Ennis, Co Clare V95 DXP2, Ireland.



**267336** 26 May 2022

- Class 7. Bioreactors for use in manufacturing biopharmaceuticals.  
Class 9. Sensors.

Jonathan Downey, Grennan, Kilmacthomas, Waterford X42 Cy53, Ireland. Address for service is c/o Jonathan Downey, Grennan, Kilmacthomas, Waterford X42 Cy53, Ireland.

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## EMPOWER PLS

**267337** 27 January 2021

- Class 36. Pension services; pension administration, trustee services; investment strategy, investment management, investment administration, investment services, default funds, investment solutions, investment reporting, fund reporting, investment consultancy, retirement planning and advice, payroll facility services; pensions and retirement planning online.  
Class 41. Pension workshops; pension education and training, financial education and training; online investment information.

IRISH LIFE ASSURANCE PLC, Irish Life Centre, Lower Abbey Street, Dublin 1, Ireland. Address for service is c/o MACLACHLAN & DONALDSON (IRELAND) LIMITED, trading as MACLACHLAN

& DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

The application for registration is proceeding with the consent of the proprietors of EUTM 007364011.



**267338** 13 June 2022

- Class 9. Screensavers; Holographic images; Audio recordings; Audiovisual recordings; Video recordings; Computer games; Recording disks; Audio tapes; Computer programs; Downloadable electronic publications; Credit cards; Encoded cards; Protective clothing for the prevention of accident or injury; Mouth guards for sports; Mouth guards for sports use; Computer mouse pads; Mobile phone covers; Pre-recorded software; Pre recorded computer software; Computer programs for pre-recorded games; Downloadable computer games; DVDs; Compact discs; Pre-recorded compact discs; Holograms; Protective sports helmets; Magnetically

- encoded identification bracelets; Encoded programs; Downloadable e-books; Electronic personal organisers; Downloadable posters; Sports helmets.
- Class 14. Precious metals; Jewellery of precious metals; Jewellery; Key rings of precious metals; Horological instruments; Chronometric instruments; Precious stones; Key chains as jewellery [trinkets or fobs]; Medals; Medals made of precious metals; Commemorative medals; Gold medals; Precious metal trophies; Trophies of precious metals; Trophies made of precious metals; Trophies coated with precious metals; Trophies coated with precious metal alloys; Trophies made of precious metal alloys; Ornaments, made of or coated with precious or semi-precious metals or stones, or imitations thereof; Ornaments [jewellery]; Decorative boxes made of precious metal; Fancy keyrings of precious metals; Works of art of precious metal.
- Class 16. Tickets; Entry tickets; Paper; Cardboard; Printed matter; Photographs; Stationery; Instructional and teaching materials; Instructional and teaching material (except apparatus); Plastic materials for packaging; Flags made from paper; Sports trading cards; Magazines; Newspapers; Books; Journals; Event programs; Printed event programs; Event albums; Photograph albums; Autograph books; Address books; Diaries; Personal organisers; Printed entry tickets; Bumper stickers; Stickers; Sticker albums; Calendars; Posters; Printed posters; Postcards; Advertising signs of paper or cardboard; Display banners of
- paper; Display banners made of cardboard; Decals; Holders for notepads; Passport covers; Business cards.
- Class 18. Leather; Trunks [luggage]; Trunks and traveling bags; Umbrellas; Parasols; Walking sticks; Imitation leather; Bags; Canvas bags; Satchels; Credit card cases; Business card cases; Vanity cases, not fitted; Wallets; Purses; Key cases; Travel bags; Sports bags; All-purpose sports bags.
- Class 21. Household or kitchen utensils; Household or kitchen containers; Combs; Sponges; Unworked glass; Semi-worked glass; Glassware; Porcelain; Earthenware; Ceramic mugs; Crystal ornaments; Ornamental glass; Ornaments made of glass; Ornaments made of porcelain; Ornamental sculptures made of glass.
- Class 24. Textiles and textile goods namely household, synthetic and printed textile goods; Textiles and substitutes for textiles; Bed covers; Table covers; Flags, not of paper.
- Class 25. Leather clothing; Clothing; Footwear; Headgear; Football shirts; Football jerseys; Jerseys.
- Class 28. Toys, games, and playthings; Gymnastic and sporting articles; Decorations for Christmas trees; Playing cards; Footballs; Sliotar; Christmas tree ornaments; Bags adapted to carry sports implements; Bags specially adapted for sports equipment.
- Class 41. Education; Providing of training; Providing of training, teaching and tuition; Entertainment; Sporting and cultural activities.

IONTAOBHAS CORPARÁIDEACH CHUMANN  
LÚTHCHLEAS GAEL C, Croke Park, Dublin 3,  
Dublin D03P6K7, Ireland. Address for service is c/o



Reddy Charlton, 12 Fitzwilliam Place, Dublin  
D02VN56, Ireland.

The mark in use, will be in the colours P3425 Green,  
P 164 Amber, P116 Yellow, P199 Red, blue, black  
and white.

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## SUPRACOOOL

**267339** 21 March 2022

Class 22. Acrylic fibers; Carbon fibers [fibres] for textile use; Carbon fibers for textile use; Glass fibers for textile use; Glass fibers [for textile use]; Glass fibers [fibres] for textile use; Fibers (Textile -); Fibers for the manufacture of gut for rackets; Cotton fibers; Coconut fibers; Chemical fibers for textile use; Silk fibers; Semi-synthetic fibers [for textile use]; Hemp fibers; Metallic fibers for textile use; Natural fibers; Non-woven polymeric fibers for textile use; Plastic fibers [fibres] for textile use; Plastic fibers for textile use; Polyester fibers; Polyester fibers for textile use; Polyester stuffing fibers; Raffia fibers; Ramie fibers; Raw textile fibers; Raw textile fibers and substitutes; Yarn fibers; Vitreous silica fibers for textile use; Vitreous silica fibers [fibres] for textile use; Textile fibers [fibres]; Textile fibers; Synthetic fibers for textile use; Synthetic fibers [for textile use]; Synthetic fibers; Sisal fibers; Sacks or bags for the transportation or storage of materials in bulk; Sacks for the storage of materials; Sacks for the

transport and storage of materials in bulk; Sacks for the transport of materials in bulk; Sacks for the transport of materials; Sacks for transporting waste; Sacks made of textile for packaging; Sacks made of textile materials; Sacks of textile for packaging; Packaging bags [sacks] of textile for bulk storage; Packaging bags [sacks] of textile for bulk transportation; Sacks for the storage of materials in bulk; Sacks [bags] of textile, for packaging; Sacks; Polythene sacks for the transport of materials in bulk; Polythene sacks for the storage of materials in bulk; Polythene bags [sacks] for the storage of materials in bulk; Polythene bags [sacks] for the transport of materials in bulk; Plastics bags [sacks] for the storage of materials in bulk; Plastics bags [sacks] for the transport of materials in bulk; Plastic bags [sacks] for the transport of materials in bulk; Packaging materials [sacks] for the transport of materials in bulk; Packaging sacks for transporting materials in bulk; Plastic liners [sacks] for containers; Bags and sacks for packaging, storage and transport; Bags [sacks] for packaging materials in bulk; Bags [sacks] for the transport and storage of materials in bulk; Bags [sacks] for transportation purposes; Bags [sacks] made of synthetic plastics material for bulk storage; Bivouac sacks being shelters; Flexible intermediate bulk containers [sacks] for transporting materials; Flexible intermediate bulk containers [sacks] for transporting particulate materials; Packaging bags [sacks] of paper for bulk transportation; Packaging

bags [sacks] of plastic for bulk transportation; Packaging bags [sacks] of paper for bulk storage; Packaging bags [sacks] of plastic for bulk storage; Materials [sacks] for packaging granulose products in bulk; Flexible intermediate bulk containers [sacks] for transporting pulverulent materials; Bottle covers of straw; Plastics fabric covers for bundling loads for transport; Plastics fabric covers for bundling loads for storage; Plastic-covered mesh fabric bags for growing plants and trees; Fabric in the form of a canopy cover; Dust covers; Covers [not shaped] for vehicles; Covers [not shaped] for pick-up trucks; Covers [not shaped] for motor cars; Covers [not shaped] for boats; Covers in the nature of tarpaulins for vehicles; Covers for swimming pools; Covers for camouflage; Covers for boats, not fitted; Camouflage (Covers for -); Coverings in the nature of tarpaulins; Protective covers [dust sheets] for use in decorating; Swimming pool covers; Tarpaulins, awnings, tents, and unfitted coverings and liners; Unfitted spa covers; Unfitted covers for boats and marine vehicles; Waterproof covers [tarpaulins]; Waterproof covering sheets [tarpaulins]; Vehicle covers [not shaped]; Vehicle covers, not fitted; Unfitted vehicle covers; Yarns for use in tyre cord construction; Shoe bags for storage; Sailcloth structures, namely shade sails; Sun screens [outdoor], of textile; Outdoor blinds of textile; Clothes lines [rope or cord]; Cotton waddings for clothes; Tents [not for camping]; Tents for mountaineering or camping; Tents for camping; Camping

tents; Tarpaulins; Canvas tarpaulins; All-purpose tarpaulins of plastic; Tarpaulins [not for ships]; Tarpaulins of sailcloth; Awnings and tarpaulins; Plastic sheet materials [tarpaulins]; Tarpaulins [for ships]; Unfitted tarps for power machinery; Tarpaulins made from plastics coated materials; Plastic sheet materials for use as tarpaulins; Tarpaulins, not for use with vehicles; Awnings; Canopies [awnings]; Awnings for tents; Awnings of fabric; Awnings of textile; Awnings of plastic; Awnings [not of metal]; Awnings not of metal; Tents [awnings] for vehicles; Tents [awnings] for caravans; Awnings of synthetic material; Awnings of synthetic materials; Awnings for vessels; Awnings having special filters permitting a suntan without burning; Awnings of textile or synthetic materials; Fiberfill; Fiber (Coconut -); Coconut fiber; Ramie fiber; Sisal fiber [raw]; True hemp fiber [raw]; Raffia fiber [raw]; Ramie fiber [raw]; Raw sisal fiber; Raw jute fiber; Jute fiber [raw]; Flax fiber [raw]; Glass fiber netting; Coconut fiber [fibre]; Chemical fiber nettings; Chemical fiber bags [for use in industry]; Chemical fiber bags for industrial purposes; Clothesline; Silk waste; Silk flock; Flock (Silk -); Silk netting; Silk (Raw -); Raw silk; Floss silk; Schappe [raw silk waste]; Silk polyester monofilaments; Bags [envelopes, pouches] of textile, for packaging; Bags for bulk containers; Bags made of textile for the storage of tents; Bags for washing hosiery; Bags for the transportation of bulk

materials; Bags for the storage of tea in bulk; Bags for the storage of bulk materials; Bags for the bulk storage of grains; Bags for the bulk handling of grains; Bags for storage purposes; Bags for the transport of tea in bulk; Temporary structures made of fabrics; Tents made of textile materials; Textile materials (Raw fibrous -); Wadding materials; Substitutes for raw fibrous textile materials; Stuffing materials of straw; Stuffing materials of horsehair; Stuffing materials [not of rubber or plastics]; Stuffing materials, except of paper, cardboard, rubber or plastics; Strings of non-metallic materials for use in handling loads; Straps made of plastic materials for wrapping purposes; Straps made of plastic materials for tying purposes; Sealable plastic bags for transporting materials in bulk; Plastic sheeting for use as drop cloths; Raw fibrous textile materials and substitutes for raw fibrous textile materials; Raw fibrous textile materials treated with flame retardants; Raw fibrous textile materials; Protection pouches made of fabric for storing purses when not in use; Paper drop cloths; Paper bags for the transport of materials in bulk; Padding materials, other than of rubber or plastic for use in the manufacture of furniture; Padding materials, other than of rubber or plastic for sleeping bags; Padding materials, other than of rubber or plastic for beds; Padding materials, other than of rubber or plastic for use in supporting loads; Padding made of non woven fabrics; Padding materials, except of paper, cardboard, rubber or plastics; Padding materials made of

fibrous material; Padding materials, not of rubber, plastics, paper or cardboard; Padding materials, other than of rubber or plastic for pillows; Padding materials, other than of rubber or plastic for use in restraining loads; Geotextile containers [bags] made of synthetic textile materials; Hoisting slings made of textile materials; Materials [bags] for packaging granulose products in bulk; Materials for padding; Non-textile bags for the transportation of materials in bulk; Non-textile bags for the bulk storage of materials; Packing [cushioning, stuffing] materials, not of rubber, plastics, paper or cardboard; Padding and stuffing materials; Padding and stuffing materials (except of rubber or plastics); Padding and stuffing materials (except of paper, cardboard, rubber or plastics); Padding cushioning and stuffing materials, except of paper, cardboard, rubber or plastics; Cargo slings of fabric; Cargo slings of rope or fabric; Cushioning materials, except of paper, cardboard, rubber or plastics; Drop cloths; Drop cloths [textile]; Fabric belts for handling loads; Fabric gift bags; Fabric mailing pouches; Fibres being partly prepared synthetic materials for textile use; Fibres being raw synthetic materials for textile use; Textile fibres; Textile filaments; Fibres (Textile -); Non-textile bags for the bulk storage of silage; Non-textile bags for the bulk storage of animal foodstuffs; Non-textile bags for the transportation of grains in bulk; Non-textile bags for the transportation of animal foodstuffs in bulk; Non-textile bags for the bulk storage of grains; Non-woven

textile fibres; Packaging bags made of textile; Packaging bags of textile material; Packaging bags of textile; Glass fibres for textile use; Horsehair [not for textile use]; Horsehair, not for textile use and not for brush-making; Horsehair [not for textile use, not for brushes]; Industrial packaging containers of textile; Non-textile bags for the transportation of silage in bulk; Concrete curing blankets made of textile; Cords made of textile fibres; Geotextile containers [bags] made of textile; Envelopes of textile for packaging; Bags made of textile material for packaging; Bags of textile for packaging; Bags of textile material for use with plants; Bags of textile material for use with trees; Binding twine made of natural textile fibres; Carbon fibres for textile use; Cattle hair [not for textile use, not for brushes]; Ceramic textile fibres; Plastic fibres for textile use; Pouches of textile for packaging; Raccoon dog hair [not for textile use, not for brushes]; Raw fibres of carbon for textile use; Raw fibres of plastics for textile use; Raw fibrous textile; Raw textile fibres; Rockfall prevention nets of textile; Strapping of textile fibres with device attached for securing articles; Synthetic fibres for textile use; Synthetic textile fibres; Synthetic textile filaments; Tents made of textile material; Textile bags for containing earth; Textile bags for discharging earth; Textile bags for lifting earth; Textile bags for merchandise packaging [envelopes, pouches]; Textile filaments [fibres]; Textile gift bags for wine; Textile (Raw fibrous -); Textile screens for protection against the wind; Textile wine

gift bags; Tents for use in angling; Tents for use as an adjunct to vehicles; Tents for mountaineering; Tents; Shower tents; Ropes for tents; Grow tents; Screens for protection against the wind; Windbreaks [screening]; Sails; Sails for sailboards; Sail rigging; Sail bags; Sail battens; Sails for ski sailing; Ships sails; Marine sails; Windsurfing sails; Material for making sails; Canvas for sails; Sails for boats; Sails for catamarans; Sails for windsurf boards; Sails for windsurfing; Sails for yachts; Gaskets (Fibrous -) for ships; Fibrous gaskets for ships; Packaging string; Non-metal bands for wrapping or binding; Packaging [cushioning and stuffing], other than of rubber and plastics; Polyester plastic netting for packaging goods; Thread, not of metal, for wrapping or binding; Threads, not of metal, for wrapping or binding; Ties (Non-metallic -) for wrapping; Wrapping or binding bands, not of metal; Bottles (Straw wrappers for -); Burlap wraps for plants; Canvas wraps for plants; Straw wrappers for bottles.

## Class 24.

Filter fibers [textile]; Sackcloth; Haircloth [sackcloth]; Bivouac sacks being covers for sleeping bags; Afghans [knitted covers]; Bean bag covers; Bed coverings; Bed covers; Bed covers of paper; Bed warmer covers; Coverings (Loose -) for furniture; Coverings (Furniture -) of textile; Coverings for windows; Coverings for furniture; Cot covers; Contoured mattress covers; Chair covers; Canopy covers; Canopies [covers for beds]; Comforters [covers]; Covered rubber yarn fabrics [for textile use]; Coverings of plastic for furniture;

Coverings of plastics for furniture; Covers [loose] for furniture; Covers for toilet lids of fabric; Covers for pillows; Covers for mattresses; Covers for eiderdown and duvets; Covers for duvets; Covers for cushions; Covers (fitted toilet lid -)[fabric]; Covers (Fitted toilet lid -) of fabric; Coverlets [bedspreads]; Coverlets; Coverings of textile and of plastic for furniture (unfitted); Coverings of textile and of plastic for furniture (not fitted); Covers of textile for toilet seats; Fitted toilet lid covers of fabric; Fitted toilet covers [fabric]; Fibre fabrics for the manufacture of the exterior coverings of furniture; Fabrics for use in covering armchairs; Fabrics for manufacturing swimming pool covers; Fabrics covered with motifs to be embroidered; Eiderdowns [down coverlets]; Eiderdown covers; Duvet covers; Cushions (Covers for -); Cushion covers; Cushion covering materials; Covers of textile for water closets; Fabrics for use in the manufacture of exterior coverings for chairs; Fitted toilet lid covers [made of fabric or fabric substitutes]; Pillow covers; Padded coverings [hangings of textile] for existing walls; Mattress covers; Loose furniture coverings; Loose covers made of textile materials for furniture; Loose covers for garden furniture; Loose covers for furniture; Loose coverings for furniture; Furniture (Loose covers for -); Furniture coverings (unfitted); Furniture coverings of plastic; Furniture coverings made of plastic materials; Fitted toilet seat covers of textile; Furniture coverings of textile; Protective coverings for

furniture [loose]; Protective covers for furniture [loose]; Protective loose covers for mattresses and furniture; Quilt covers; Table covers of plastic; Table covers of non-woven textile fabrics; Table covers of damask; Table covers [not of paper]; Table covers; Table coverings [not of paper]; Sofa covers; Seat covers [loose] for furniture; Rubber covered yarn fabrics; Replacement seat covers [loose] for furniture; Removable covers of textile for electronic apparatus [not fitted or shaped]; Window covering products made of textile material; Textile covers for duvets; Textile covers [loose] for furniture; Textile fabrics for use in the manufacture of wall coverings; Textile materials for use as window coverings; Textile piece goods for making cushion covers; Textile piece goods for making bedding covers; Throws (furniture coverings); Ticks (mattress and pillow coverings); Ticks [mattress covers]; Toilet seat covers; Toilet seat covers of textile; Towelling coverlets; Unfitted fabric furniture covers; Valanced bed covers; Curtains; Curtains and lace curtains of textiles or plastic; Curtains of textile; Curtains of plastic; Curtains [made up or in the piece]; Curtains made of textile fabrics; Curtains made of textile materials; Curtains made of plastics; Curtains made of plastics for use in shower baths; Curtains made from textile materials; Curtains for windows; Curtains for showers; Pleated curtains; Net curtains; Moquettes [curtains]; Lace curtains; Indoor and outdoor curtains; Fire-retardant textile shower curtains; Fabrics for

making curtains; Fabric curtains; Drapes in the nature of curtains; Drapes in the nature of curtains made of textile materials; Draperies [thick drop curtains]; Door curtains; Curtains of textiles or plastic; Curtains of textile or plastic; Curtains of textile material; Ready made curtains; Ready made curtains of plastics; Ready made curtains of textiles; Shower curtains; Shower curtains made of plastic material; Shower curtains of textile or plastic; Shower room curtains; Small curtains made of textile materials; Swags [curtains]; Textile fabrics for use in the manufacture of curtains; Textile piece goods for making curtains; Vinyl curtains; Window curtains; Knitted elastic fabrics for sportswear; Textile fabrics for use in the manufacture of sportswear; Fabric linings for headgear; Hat linings, of textile, in the piece; Waterproof fabrics for use in the manufacture of hats; Tulle for hatmaking; Linings (Hat -), of textile, in the piece; Baby buntings; Baby blankets; Valence linen; Curtain valences; Fabric valences; Textile goods for making headshaws and yashmaghs; Fabric for footwear; Footwear (Fabric for -); Towels of textile featuring American football team logos; Materials (Textile -) for use in the manufacture of footwear; Materials (Textile -) for use in the manufacture of linings for footwear; Lining fabric for footwear; Textile piece goods for use in the manufacture of shoes; Lining fabrics for shoes; Linen lining fabric for shoes; Fibre fabrics for use in the manufacture of linings of shoes; Lining fabric for shoes; Pleated shades; Blankets for

outdoor use; Fabric for manufacturing men's outerwear; Fabric for manufacturing women's outerwear; Apparel fabrics; Labels (Textile -) for identifying clothing; Labels of textile for identifying clothing; Jersey fabrics for clothing; Foils of plastics for the manufacture of disposable clothes; Fibre fabrics for use in the manufacture of articles of clothing; Fabrics for use as linings in clothing; Fabric linings for clothing; Fabric for use in the manufacture of clothing; Elastic fabrics for clothing; Bath linen, except clothing; Textiles for making articles of clothing; Textile used as lining for clothing; Textile piece goods (Polyurethane coated -) for making waterproof clothing; Textile piece goods for use in the manufacture of protective clothing; Textile piece goods for making-up into clothing; Textile piece goods for making into clothing; Textile piece goods for clothing; Textile fabrics for the manufacture of clothing; Labels (Textile -) for marking clothing; Materials for making into clothing; Materials for use in making clothes; Sew-on tags of textile for clothing; Tags of textile for attachment to clothing; Textile fabric piece goods for use in the manufacture of clothing; Textile fabrics for making into clothing; Textiles for making up into articles of clothing; Woven cloth with breathable polyurethane coating for water proof garments; Woven fabrics for making up into articles of clothing; Woven fabrics for use in the manufacture of clothing for use in clean rooms; Sleeping bags for camping; Fabrics for manufacturing tarpaulins;

Regenerated fiber yarn fabrics; Mixed fiber fabrics; Metal fiber fabrics; Knitted fabrics of chemical-fiber yarn; Inorganic fiber mixed fabrics; Semi-synthetic fiber fabrics; Synthetic fiber fabric; Synthetic fiber fabrics; Fiberglass fabrics for textile use; Fiberglass fabrics, for textile use; Fiberglass fabric for textile use; Chemical fiber fabrics; Chemical fiber base mixed fabrics; Fabrics of chemically produced fibres, other than for insulation; Chemical fibre mixed fabrics; Chemical fibre loop knit fabrics; Cloth; Cloths; Felt cloth; Woolen cloth; Cloth flags; Linen cloth; Flax cloth; Woollen cloth; Cloth pennants; Corduroy fabrics; Water vapour permeable textiles; Waterproof cloths; Waterproof fabrics; Waterproof fabrics for use in the manufacture of trousers; Waterproof fabrics for use in the manufacture of gloves; Waterproof fabrics for use in the manufacture of jackets; Waterproof textile fabrics; Wool yarn fabrics; Wool loop knit fabrics; Wool-cotton mixed fabrics; Wool base mixed fabrics; Window furnishing fabrics; Towels made of textile materials; Towels of textiles; Traced cloth for embroidery; Traced cloths for embroidery; Water resistant fabrics; Water breathable fabrics; Waste cotton fabrics; Wall fabrics; Viscose textiles; Vapour permeable fabrics; Vinyl cloth; Upholstery materials; Upholstery fabrics; True hemp fabrics; Trellis [cloth]; Textiles treated with a fire resistant finish; Textiles treated with a flame resistant finish; Textiles made of wool; Textiles made of velvet; Textiles made of synthetic

materials; Textiles made of satin; Textiles made of linen; Textiles made of flannel; Textiles made of cotton; Textiles for upholstery; Textiles for use in the manufacture of ships sails; Textiles impervious to water but permeable to moisture; Textiles in the form of window furnishings; Textile piece goods made of plastics materials; Textile substitute materials made from synthetic materials; Textiles; Textiles and substitutes for textiles; Textiles for digital printing; Textiles for food wrapping; Textiles for furnishings; Textiles for interior decorating; Textile fabrics for use in the manufacture of sheets; Textile fabrics for use in the manufacture of pillowcases; Textile fabrics for use in manufacture; Textile materials to be used in making blinds; Textile materials for use in the manufacture of blinds; Textile goods for use as bedding; Textile filter materials; Textile fabrics in the piece; Textile fabrics for use in the manufacture of bedding; Textile fabrics for use in the manufacture of beds; Textile fabrics for use in the manufacture of furniture; Tablecloths of textiles; Taffeta [cloth]; Tartan bolting cloth; Tea cloths; Textile fabrics for use in the manufacture of towels; Textile fabrics for making up into household textile articles; Textile fabrics for making into blankets; Textile fabrics for making into linens; Textile fabrics for lingerie; Textile fabrics; Tensioning fabrics for upholstery; Table mats made of textile materials; Table cloths of textile; Sponge cloths for textile use; Sponge cloths [textile piece goods];

Substitutes for textiles; Spun silk fabrics; Suiting materials [textile]; Table cloth of textile; Table cloths; Table cloths made of textile; Table cloths not of paper; Table cloths, not of paper; Rubberized textile fabrics; Sail cloth; Screen printing fabrics for the glass industry; Self-adhesive cloth labels; Silk-wool mixed fabrics; Silk fabrics for printing patterns; Silk fabrics for furniture; Silk fabrics; Silk-cotton mixed fabrics; Silk cloth; Silk [cloth]; Silk base mixed fabrics; Shirt fabrics; Rubberized cloths; Rubberized cloth; Rubberised fabrics; Rubberised cloth; Reusable wax coated fabrics for wrapping food; Quilted blankets [bedding]; Quilts filled with stuffing materials; Quilts filled with synthetic stuffing materials; Quilts made of terry cloth; Ramie fabrics; Reinforced fabrics [textile]; Resin impregnated textile fabrics; Plastic material [substitute for fabrics]; Plastic material [substitutes for fabrics]; Plastic reinforced fabrics; Plastic substitutes for fabrics; Quilt bedding mats; Printed calico cloth; Printed fabrics; Press fabrics all for use in the paper making industry; Precut fabrics for needlecraft; Prayer cloth; Polypropylene spunbonded non-woven textile fabrics; Polyester textiles; Plastic woven textile materials for use in agriculture; Plastic table cloths; Polymer coated fabrics; Non-woven fabrics in the form of sheeting for use in manufacture; Non-woven fabrics in the form of sheets for use in manufacture; Non-woven fabrics made substantially of paper; Non-woven fabrics of natural fibres; Non-woven fabrics of

synthetic fibres; Non-woven reinforcing fabrics; Non-woven textile fabrics; Non-woven textile fabrics for use as interlinings; Non-woven textiles; Oil cloths; Paper yarn fabrics for textile use; Patterned textiles for use in embroidery; Piece goods made of textile materials bonded with rubbers; Piece goods made of textile materials bonded with plastics; Piled fabrics; Flame resistant fabrics; Flame retardant fabrics [other than asbestos]; Flax fabrics; Flocked fabrics; Forming fabrics all for use in the paper making industry; Frieze [cloth]; Furnishing and upholstery fabrics; Furnishing fabrics; Furnishing fabrics being textile piece goods; Furnishing fabrics in the piece; Gauze [cloth]; Glass-cloth [towels]; Glass cloths [towels]; Grid-type fabrics; Gummed cloth, other than for stationery; Gummed cloth, other than for stationery purposes; Gummed waterproof cloth; Hand spun silk fabrics; Hand-towels made of textile fabrics; Handkerchiefs of textiles; Heat-activated adhesive fabrics; Hemp-silk mixed fabrics; Hemp-cotton mixed fabrics; Hemp cloth; Hemp base mixed fabrics; Heat resistant fabrics [other than for insulation]; Heat formable non-woven textile materials; Interlinings made of non-woven fabrics; Interlining materials; Interior decoration fabrics; Inorganic fibre mixed fabrics; Hemp-wool mixed fabrics; Hemp yarn fabrics; Honeycomb materials [textiles]; Household cloths for drying glasses; Household cloths for drying dishes; Household textile articles made from non-woven



materials; Household textiles; Industrial fabrics; Infants' bed linen; Inlay materials of non-woven fabrics; Knitted fabrics; Knitted elastic fabrics for bodices; Knitted elastic fabrics for gymnastic dresses; Knitted elastic fabrics for ladies underwear; Knit lace fabrics; Iron-on cloth labels; Japanese ceremonial wrapping cloth (Fukusa); Japanese general wrapping cloth (Furoshiki); Jute cloth; Jute fabrics; Kit comprised of fabrics for making quilts; Kitchen towels of cloth; Knitted fabrics of cotton yarn; Knitted fabrics of silk yarn; Knitted fabrics of wool yarn; Lining fabrics; Lingerie fabrics; Laminated fabrics; Lace fabrics; Labels of cloth; Labels made of textile materials; Labels [cloth]; Lining fabrics of textile in the piece; Loden cloth; Loop knit fabrics; Make-up (Napkins for removing -) [cloth]; Make-up removal cloths [textile], other than impregnated with cosmetics; Make-up removal cloths [textile], other than impregnated with toilet preparations; Marabouts [cloth]; Markers [labels] of cloth for textile fabrics; Materials for soft furnishings; Materials for upholstery; Materials for use in filtration [textile]; Materials (Textile -) for use in the manufacture of soles; Materials (Textile -) for use in the manufacture of insoles; Non-woven fabrics in the form of blanks for use in manufacture; Non-woven fabrics in the form of rolls for use in manufacture; Non-woven fabrics for use with linings; Non-woven fabrics for use with paddings; Non-woven fabrics; Non-woven cloth; Narrow woven fabrics; Nap raised cloth; Multiple-ply antistatic fabrics; Mesh-

woven fabrics; Composite textile materials; Curtaining materials; Curtain loops made of textile materials; Curtain holders of textile materials; Curtain holders of cloth; Curtain fabrics; Crib bumpers [bed linen]; Crepe fabrics; Crepe cloth; Cotton fabrics; Cotton cloths; Cot bumpers [bed linen]; Cotton base mixed fabrics; Cloth napkins for removing makeup; Cloth with a raised nap; Cloths for removing make-up; Cloths for washing the body [other than for medical use]; Comforters (bedding); Coated woven textile materials; Coated textiles; Coated fabrics for use in the manufacture of leather goods; Coated fabrics; Cloths of woven textile material for washing the body [other than for medical use]; Cloths of non-woven textile material for washing the body [other than for medical use]; Coated fabrics for use in the manufacture of rainwear; Coated fabrics for use in the manufacture of luggage; Cheviots [cloth]; Cloth napkins for removing make-up; Cloth napkins; Cloth labels; Cloth handkerchiefs; Cloth for tatami mat edging ribbons; Cloth doilies; Cloth coasters; Cloth bunting; Cloth banners; Bed linen of paper; Bed linen made of non-woven textile material; Bedroom textile fabrics; Billiard cloth; Billiard cloth [baize]; Bolting cloth; Cheese cloth; Canopies being bed linen; Canopies (bed linen); Calico cloth (Printed -); Breathable waterproof fabrics; Breathable piece goods made of textile materials bonded with rubber; Breathable piece goods made of textile materials bonded with plastics; Broad woven industrial fabrics; Bed linen and table linen; Bed linen and

blankets; Bed linen; Bed clothes and blankets; Bed clothes; Bar cloths; Ballistic resistant fabrics; Adhesive materials in the form of stickers [textile]; Adhesive fabrics for application by heat; Silk blankets; Artificial silk; Fabrics made from silk, other than for insulation; Silk bed blankets; Woven silk fabrics; Wall hangings of silk; Silk filled quilts; Silk fabric for printing patterns; Fabric; Fabrics; Jute fabric; Kashmir fabric; Worsted fabrics; Woven fabrics; Woven fabrics for armchairs; Woven fabrics for cushions; Woven fabrics for furniture; Zephyr fabric; Woven textiles having protective properties against electromagnetic rays; Woven linen fabrics; Woven furnishing fabrics; Woven fabrics imitating animal skin; Woven fabrics for sofas; Woven fabrics imitating leather; Woollen fabrics for use in the manufacture of suits; Woollen fabrics for use in the manufacture of jackets; Woollen fabrics for use in the manufacture of coats; Woollen fabrics for use in the manufacture of trousers; Woollen fabrics; Woolen fabric; Woollen fabric; Waterproof fabric; Viscose fabric; Unfitted fabric slipcovers for furniture; Textile fabric; Textile fabric of animal skins imitations; Textile fabric piece goods for the manufacture of upholstered furniture; Polyester fabric; Rayon fabric; Ramie fabric; Nylon fabric; Plastic material substitutes for fabric; Muslin fabric; Non-woven fabric; Moleskin [fabric]; Mitts made of non-woven fabric for washing the body; Moquettes [fabric]; Linen [fabric]; Lingerie fabric; Knitted

fabric; Jersey material [fabric]; Jersey [fabric]; Hemp fabric; Flannel [fabric]; Gift wrap of fabric; Gauze fabric; Foulard [fabric]; Fibre fabrics for use in the manufacture of linings of bags; Fireproof upholstery fabrics; Filters made of textile materials; Filtering materials of textile; Fibreglass fabrics for textile use; Face towels of textiles; Face towels [made of textile materials]; Face cloths of towelling; Face cloths of textile; Face cloths; Fabrics made of mixed synthetic and natural fibres, other than for insulation; Fabrics of carbon fibre, other than for insulation; Fabrics of inorganic fibres, other than for insulation; Fabrics of man-made fibres being textile goods in piece form; Fabrics of organic fibres, other than for insulation; Fabrics [piece goods]; Fabrics [textile piece goods] made of carbon fibre; Fabrics woven from ceramic fibres, other than for insulation; Fabrics made from acrylic, other than for insulation; Fabrics made from artificial fibres [for insulation]; Fabrics made from wool, other than for insulation; Fabrics made from synthetic fibres [other than insulation]; Fabrics made from synthetic threads; Fabrics made from synthetic yarns; Fabrics made from polyester, other than for insulation; Fabrics made from nylon, other than for insulation; Fabrics made from natural fibres, other than for insulation; Fabrics made from cotton, other than for insulation; Fabrics made from artificial fibres [other than for insulation]; Fabrics made from ceramic fibres, other than for insulation; Fabrics made from linen, other than

for insulation; Fabrics for use in making incontinence pads; Fabrics for use in making diapers; Fabrics for use in making jerseys; Fabrics for the manufacture of furnishings; Fabrics for textile use; Fabrics for shirts; Fabrics for sale in kit form for making toy monsters; Fabrics for manufacturing garden furniture; Fabrics for manufacturing sun protectors; Fabrics for manufacturing tents; Fabric table toppers; Fabric used for orthotic devices; Fabric valances; Fabrics for interior decorating; Fabrics for industrial use; Fabrics being textile piece goods; Fabrics being textile piece goods for use in tapestry; Fabrics being textile piece goods for use in manufacture; Fabrics being textile piece goods for use in patchwork; Fabrics being textile goods in roll form; Fabrics being textile piece goods made of mixtures of fibres; Fabrics being textile piece goods for use in embroidery; Fabric for use in the manufacture of bags; Fabric for use in the manufacture of umbrellas; Fabric for use in the manufacture of purses; Fabric for use in the manufacture of cases; Fabric table runners; Fabric place mats; Fabric on the roll; Fabric of imitation animal skin; Fabric of imitation animal skins; Fabric, impervious to gases, for aeronautical balloons; Fabric imitating animal skins; Fabric for use in the manufacture of wallets; Elastic woven fabrics; Elastic woven materials; Elastic yarn mixed fabrics; Fabric coated with rubber or plastics; Fabric flags; Fabric cascades; Fabric bed valances; Esparto fabric; Elasticated woven textile materials;

Embroidery fabric; Dryer fabrics all for use in the paper making industry; Disposable cloths; Dish cloths of textile for drying; Dinner mats of textiles; Diaper changing cloths for babies; Denim fabric; Curtain fabric; Cotton fabric; Cotton knitted fabric; Crepe [fabric]; Cheviot fabric; Coating fabric; Badges made of fabric material; Balloons (Fabric impervious to gases for aeronautical -); Chenile fabric; Chenille fabric; Aeronautical balloons (Fabric impervious to gases for -); Adhesive fabric for application by heat; Adhesive fabric; Textile labels; Labels (textile); Sheets [textile]; Textile sheets; Banners textile; Waterproofed textile piece goods; Wall decorations of textile; Wall hangings of textile; Wall plaques of textile; Towels of textile sold in pack form; Towels [textile]; Towels [textile] for kitchen use; Towels [textile] for the beach; Towels [textile] for use in connection with toddlers; Towels [textile] for use in connection with babies; Vapour permeable plastic textile; Valances [textile draperies]; Tissues being textile piece goods; Towelling [textile]; Towelling [textile] adapted for use in dispensers; Towels of textile; Towels [of textile]; Towels of textile, compressed; Textile piece goods for use in the manufacture of industrial filters; Textile tissues; Textile tablecloths; Textile smallwares [table linen]; Textile serviettes; Textile printers' blankets; Textile place mats; Textile piece goods made of cotton; Textile napkins; Textile napkins for removing makeup; Textile napkins [table linen]; Textile piece goods; Textile piece

goods for use in the manufacture of boots; Textile piece goods for furnishing purposes; Textile piece goods for making-up into towels; Textile face towels; Textile flags used for place settings; Textile goods, and substitutes for textile goods; Textile hair drying towels; Textile handkerchiefs; Textile handkerchieves; Textile linings in the piece; Textile material; Tapestries of textile; Tapestries [wall hangings], of textile; Tapestry [wall hangings], of textile; Textile coasters; Textile curtain pelmets; Textile exercise towels; Table linen of textile; Tablemats of textile; Tags of textile for attachment to linen; Tablecloths of textile; Table runners of textile; Table place setting mats of textile; Table napkins of textile; Streamers of textile; Synthetic textile piece goods; Runners [textile] for table tops; Serviettes of textile; Printed textile labels; Printed textile piece goods; Printers' blankets of textile; Printing blankets of textile material; Quilts of textile; Piece goods (Textile -); Place mats of textile; Place mats of textile material; Pocket handkerchiefs of textile; Non-woven textile articles; Non-woven textile piece goods; Pennants of textile; Mural hangings [textile]; Napery of textile; Napery [textile]; Napkin liners of textile; Napkins of textile (Table -); Nightdress cases of textile; Mats [coasters] of textile; Mats (Drip -) of textile for glasses; Mats of textile for beer glasses; Linings [textile]; Make-up pads of textile; Make-up pads of textile for removing make-up; Make-up removal towels [textile] other than impregnated with cosmetics; Make-up removal

towels [textile] other than impregnated with toilet preparations; Make-up removal wipes [textile] other than impregnated with cosmetics; Make-up removal wipes [textile] other than impregnated with toilet preparations; Material (Textile -); Labels of textile; Labels of textile for bar codes; Labels (Textile -) for identifying linen; Labels (Textile -) for marking linen; Laminated textile piece goods having insulating properties; Kitchen towels of textile; Kitchen towels [textile]; Household textile articles; Household textile goods; Household textile piece goods; Individual place mats made of textile; Hand towels of textile; Handcrafted textile wall hangings; Handkerchiefs of textile; Friezes of textile; Friezes [textile wall hangings]; Flags and pennants of textile; Flags of textile; Flags of textile or plastic; Face flannels of textile; Face towels of textile; Disposable bedding of textile; Disposable tablecloths of textile; Doilies of textile; Curtain holders (Textile -); Curtain loops of textile material; Curtain tie-backs of textile; Curtaining material being textile piece goods; Curtain holders of textile material; Curtain holders or tiebacks of textile; Coasters of textile; Banners of textile; Banners of textile or plastic; Borders (textile wall hangings); Bunting of textile or plastic; Chair backs [textile articles]; Adhesive labels (Textile -); Adhesive tags of textile for bags; Turban towels for drying hair; Shirtings; Foils of plastics for the manufacture of disposable capes; Sheets of sailcloth for screening; Curtain linings; Blackout curtains; Curtain

material; Bags for sleeping bags [specifically adapted]; Sleeping bag sheet liners; Sleeping bag liners; Sleeping bags; Sleeping bags for babies; Sleeping bags [sheeting]; Bath wrap towels.

Fanny Yuen, 113 Jozef Van Elewijckstraat, 1853 Belgium, Belgium. Address for service is c/o Fanny Yuen, Avenue du Yorkshire 6, 1200 Woluwe-Saint-Lambert, Belgium.

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## MORELAND

## MORELANDS

Application is for a Series of 2 Trade Marks.

**267340** 22 June 2022

Class 43. Accommodation services; temporary accommodation; provision of food and drink; banqueting services; arranging of banquets; catering for banquets; providing banquet and social function facilities for special occasions; provision of event facilities and meeting facilities; arranging of wedding and event receptions [venues][food and drink]; event facilities; provision of temporary accommodation; hotel services; hotel catering services; holiday and tourist accommodation; arranging and reserving of hotel accommodation; information, management and advisory services relating to the aforesaid.

College Green Hotel Limited, College Green, Westmoreland Street, Dublin 2 D02 HR67, Ireland.

Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.



**267341** 19 June 2022

Class 45. Personal and social services namely styling and dressing services for bride and bridal party.

Sharon Mc Donagh, Mountain View Tullokyne, Moycullen, Galway h91 nhh1, Ireland. Address for service is c/o Sharon Mc Donagh, Mountain View Tullokyne, Moycullen, Galway h91 nhh1, Ireland.

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## MODOCO

**267342** 22 June 2022

Class 20. Kitchen units; Kitchen cupboards; Kitchen cabinets; Kitchen dressers; Kitchen furniture; Kitchen tables; Kitchen display units; Kitchen dressers [furniture]; Furniture

for kitchens; Bathroom furniture; Bathroom mirrors; Bathroom cupboards; Bathroom cabinets; Wardrobe doors; Wardrobe lockers; Wardrobe interior fitments; Wardrobe sliding doors; Covers for clothing [wardrobe].

- Class 21. Kitchen containers; Kitchen cutting boards; Kitchen paper holders; Kitchen paper racks; Kitchen paper dispensers.
- Class 37. Kitchen equipment installation.
- Class 42. Kitchen design; Kitchen design services; Design of kitchens.

MODOCO DESIGN LIMITED, 3 Myrtle Street, Phibsborough, Dublin D07 C7R6, Ireland. Address for service is c/o MODOCO DESIGN LIMITED, c/o Feargal Foley, 3 Myrtle Street, Phibsborough, Dublin 7 D07 C7R6, Ireland.



**267343** 22 June 2022

- Class 43. Restaurants; Restaurant services; Pizza Restaurant; Bars; Cafés; Cafeterias; Café services.

Refresh Hospitality Services Ltd., 6 Smithfield Square, Dublin D07 WR63, Ireland. Address for service is c/o Refresh Hospitality Services Ltd., c/o Nicole Sciberras Debono, 81, Flat 1, Ivy, Triq Patri Pelagju Mifsud, Haz-Zebbug ZBG3036, Malta.

The mark in use is/will be in the colour(s) RED (#c14241), WHITE (#ffffff) and BLUE (#16173d)



**267344** 22 June 2022

- Class 22. Anchoring ropes; Ropes for marine use.

Sergey Kuznetsov, 30 Castlegate Dene, Adamstown Castle, Dublin K78X1A9, Ireland. Address for service is c/o Sergey Kuznetsov, 30 Castlegate Dene, Adamstown Castle, Dublin K78X1A9, Ireland.

The mark in use is/will be in the colour(s) navy and red

## Obscenely Bare

**267345** 25 June 2022

- Class 41. Personal development courses; Personal development training.

Jerry Selvaseelan, Baruch House, Bohermeen, Navan, Meath C15PX62, Ireland. Address for service is c/o Jerry Selvaseelan, Baruch House, Bohermeen, Navan, Meath C15PX62, Ireland.

**MR TEGAN ROOD****Mr Tegan Rood****Mr tegan ROOD**

Application is for a Series of 3 Trade Marks.

**267346** 17 June 2022

Class 35. Business consultancy.

Priority Date Claimed: 04 February 2022 United Kingdom

TEGAN JAAP ROOD LIMITED, FLAT 20, Cooperage Court, Cooperage Lane, Bristol BS31ff, United Kingdom. Address for service is c/o TEGAN JAAP ROOD LIMITED, C/o 15 Tritonville Court, Sandymount, Dublin D04 HN12, Ireland.

**JASON JAY ROOD****Jason Jay Rood****Jason jay ROOD**

Application is for a Series of 3 Trade Marks.

**267347** 17 June 2022

Class 35. Business consultancy.

Priority Date Claimed: 24 January 2022 United Kingdom

JASON JAY ROOD LIMITED, FLAT 20, Cooperage Court, Cooperage Lane, Bristol BS31ff, United Kingdom. Address for service is c/o JASON JAY ROOD LIMITED, C/o 15 Tritonville Court, Sandymount, Dublin D04 HN12, Ireland.

**MARY FARRELL-ROOD****Mary Farrell-Rood****mary farrell-rood**

Application is for a Series of 3 Trade Marks.

**267348** 17 June 2022

Class 35. Business consultancy.

Priority Date Claimed: 23 March 2022 United Kingdom

MARY FARRELL-ROOD LIMITED, FLAT 20, Cooperage Court, Cooperage Lane, Bristol BS31ff, United Kingdom. Address for service is c/o MARY FARRELL-ROOD LIMITED, C/o 15 Tritonville Court, Sandymount, Dublin D04 HN12, Ireland.

**Opposition(s) under Section 43  
of the 1996 Act**

- 266687** Ying Zhao & Yan Lu. Opposition filed 26 July 2022
- 266740** HUNGERIT ZRT.. Opposition filed 04 August 2022
- 266873** Joseph Boland. Opposition filed 04 August 2022
- 256647** Recordati Ireland Limited. Opposition withdrawn 11 August 2022
- 266274** Setanta Centre Unlimited. Application withdrawn 02 August 2022

## Application(s) Amended following Opposition Proceedings under the 1996 Act

**256647** Advertised in Journal No: 2330 on 05/04/2017.

Specification of goods amended to read:  
Class 5: Pharmaceutical preparations for treating male sexual disorders, namely pharmaceutical preparations for the treatment of premature ejaculation.

## Application(s) deemed to be Withdrawn under Section 45(2) of the 1996 Act

**266035** Declan O'Keeffe  
**266046** Namar Albino  
**266056** Cartmal Range Limited  
**266065** John Gallen  
**266069** Alison Lowry  
**266071** Karl Byrne  
**266087** Samantha Mirer  
**266088** KWANGHI CHAN  
**266089** William Sean Hayes

## Trade Marks Registered under the 1996 Act

**266461** (2459) Cl. 32. Thomas P. Fitzmaurice  
**266498** (2459) Cl. 9. Aoife O'Brien  
**266501** (2459) Cl. 9 42. Alkimii Limited  
**266544** (2460) Cl. 41 42 45. WEST ECO RECYCLING IRELAND LIMITED  
**266573** (2460) Cl. 34. CHINA TOBACCO GUANGDONG INDUSTRIAL CO., LTD.  
**266609** (2461) Cl. 9 35 42. NOVEL BRANDS LIMITED  
**266611** (2461) Cl. 20 21 43. Fergus J Walsh  
**266616** (2461) Cl. 29. NRG's Indian Imports Limited  
**266639** (2461) Cl. 16 28 41. Dow Creative Enterprises, LLC

**266664** (2462) Cl. 5 29. Société des Produits Nestlé S.A.  
**266669** (2462) Cl. 6 19. Midland Steel Reinforcement Supplies Limited  
**266670** (2462) Cl. 18. Jemma O Gorman  
**266673** (2462) Cl. 9 41. Julie Dupouy  
**266674** (2462) Cl. 25. Mark Connaughton  
**266688** (2462) Cl. 11. Kohler Mira Limited  
**266689** (2462) Cl. 25. Traditional Irish Horse Association  
**266691** (2462) Cl. 1 4 11. Tervas Ltd.  
**266692** (2462) Cl. 6 9 12 16 18 21 24 25 26 35 40. Rivian IP Holdings, LLC  
**266695** (2462) Cl. 7 9 12 37 42. Rivian IP Holdings, LLC  
**266697** (2462) Cl. 29 30 35 43. Ying Zhao  
**266699** (2462) Cl. 4 9 35 37 39 40. RWE Renewables Ireland Ltd.  
**266702** (2462) Cl. 43. Derek Coffey  
**266703** (2462) Cl. 36 37 40 42. Chanel Limited  
**266704** (2462) Cl. 35 40. GRIMCO, INC.  
**266705** (2462) Cl. 43. Sandra Murphy  
**266706** (2462) Cl. 20. Sealy United Kingdom Limited  
**266712** (2462) Cl. 6 16 25. Reinhard Waschkowitz  
**266714** (2462) Cl. 5. Fiona Gratzner  
**266715** (2462) Cl. 43. Coralee Freney  
**266716** (2462) Cl. 41. YANN PISSENEM  
**266719** (2462) Cl. 4 6 7 9 11 37 39 40. Photonomi Nominees IP A.R.L.  
**266721** (2462) Cl. 20 24. Silentnight Group Limited

## Renewal of Registrations Under Section 48 of the 1996 Act

**39328** Cl. 23. SIRDAR PLC  
**39739** Cl. 5. Intervet Inc.  
**42557** Cl. 16. HERMES INTERNATIONAL  
**63234** Cl. 9. NIKON CORPORATION  
**72633** Cl. 9. RICOH COMPANY LTD.  
**100064** Cl. 30. Tchibo Markenverwaltungs GmbH & Co. KG  
**100069** Cl. 5. Bayer Intellectual Property GmbH  
**101027** Cl. 10. KABUSHIKI KAISHA TOSHIBA also trading as TOSHIBA CORPORATION  
**103772** Cl. 11. BENTELE AKTIENGESELLSCHAFT  
**103983** Cl. 9. MSA Technology, LLC  
**108137** Cl. 30. HOVIS LIMITED



<b>112835</b>	Cl. 16, Cl. 18, Cl. 25. CLUB MED	<b>226197</b>	Cl. 16, Cl. 35, Cl. 38, Cl. 41. Mr. Brian Byrne
<b>164045</b>	Cl. 30. O'HARA'S OF FOXFORD LIMITED	<b>226413</b>	Cl. 33. ALDI STORES (IRELAND) LIMITED
<b>167425</b>	Cl. 30. Ritter Schönbuch Vermögensverwaltungs GmbH & Co. KG	<b>226963</b>	Cl. 44. Jennifer Treanor
<b>167637</b>	Cl. 9. DuPont Safety & Construction, Inc.	<b>246960</b>	Cl. 39. US AIRWAYS, INC.
<b>167826</b>	Cl. 30. Kraft Foods Group Brands LLC	<b>247661</b>	Cl. 3. ALDI STORES (IRELAND) LIMITED
<b>168145</b>	Cl. 5. BASF Agro B.V., Arnhem (NL), Zweigniederlassung Freienbach	<b>247667</b>	Cl. 31. DRUMMONDS LIMITED
<b>168457</b>	Cl. 3. L'Oréal	<b>247702</b>	Cl. 33. ALDI STORES (IRELAND) LIMITED
<b>168978</b>	Cl. 11. HANSA METALLWERKE AG	<b>247794</b>	Cl. 31. INFORM NUTRITION IRELAND LTD
<b>169653</b>	Cl. 10. Alcon Inc.	<b>247803</b>	Cl. 5. BAYER INTELLECTUAL PROPERTY GMBH
<b>169807</b>	Cl. 9. ADVANCED MICRO DEVICES, INC.	<b>247940</b>	Cl. 16. SANSERV GLOBAL LIMITED
<b>169840</b>	Cl. 16. Manuel Vaqué Boix	<b>248103</b>	Cl. 31. DRUMMONDS LIMITED
<b>170043</b>	Cl. 31. IN-FORM NUTRITION LTD.	<b>248104</b>	Cl. 31. DRUMMONDS LIMITED
<b>170097</b>	Cl. 5. N.V. ORGANON	<b>248344</b>	Cl. 41. INSTITUTE OF INTERNAL AUDITORS
<b>170867</b>	Cl. 29. Frutarom Netherlands B.V.	<b>248462</b>	Cl. 3, Cl. 11. SANSERV GLOBAL LIMITED
<b>171508</b>	Cl. 9. THE LEARNING JOURNEY INTERNATIONAL L.L.C.	<b>248648</b>	Cl. 3, Cl. 9, Cl. 14, Cl. 18, Cl. 25, Cl. 26, Cl. 28, Cl. 35. FLAIRLINE FASHIONS LIMITED
<b>171509</b>	Cl. 16. THE LEARNING JOURNEY INTERNATIONAL L.L.C.	<b>255380</b>	Cl. 3, Cl. 9, Cl. 16, Cl. 21, Cl. 25, Cl. 26, Cl. 35. SCHUH LIMITED
<b>171510</b>	Cl. 28. THE LEARNING JOURNEY INTERNATIONAL L.L.C.	<b>255381</b>	Cl. 3, Cl. 9, Cl. 16, Cl. 21, Cl. 25, Cl. 26, Cl. 35. SCHUH LIMITED
<b>171924</b>	Cl. 2. Axalta Coating Systems GmbH	<b>255382</b>	Cl. 3, Cl. 9, Cl. 16, Cl. 21, Cl. 25, Cl. 26, Cl. 35. SCHUH LIMITED
<b>172358</b>	Cl. 4, Cl. 14, Cl. 16. Ronson Incorporated Ltd	<b>256741</b>	Cl. 35, Cl. 38, Cl. 39. CARSHARE VENTURES B.V.
<b>172481</b>	Cl. 3, Cl. 5, Cl. 30. BASF SE	<b>256953</b>	Cl. 29. IRISH ABERDEEN-ANGUS PRODUCERS LTD
<b>172832</b>	Cl. 10. Abbott Point of Care Inc.		
<b>172884</b>	Cl. 11. M.T.A. S.p.A.		
<b>173373</b>	Cl. 25. THE POLO/LAUREN COMPANY, L.P.		
<b>173675</b>	Cl. 25. GEOX S.p.A.		
<b>173910</b>	Cl. 5. Viatrix Specialty LLC		
<b>174458</b>	Cl. 1. Cognis IP Management GmbH		
<b>174700</b>	Cl. 5. GALEN LIMITED		
<b>175194</b>	Cl. 18, Cl. 25. GIANFRANCO FERRÉ S.P.A., JLT		
<b>175196</b>	Cl. 18, Cl. 25. GIANFRANCO FERRÉ S.P.A., JLT		
<b>224397</b>	Cl. 32. Grace Foods Limited		
<b>224978</b>	Cl. 10, Cl. 20. JOHN MILLS LIMITED		
<b>225018</b>	Cl. 30. ALDI STORES (IRELAND) LIMITED		
<b>225225</b>	Cl. 1. CLOGRENNANE LIME LIMITED	<b>41576</b>	Cl. 3. 10 July 2022. Finanz St. Honore, B.V.
<b>225228</b>	Cl. 1. CLOGRENNANE LIME LIMITED	<b>41579</b>	Cl. 3. 10 July 2022. HFC Prestige International Operations Switzerland Sarl
<b>225229</b>	Cl. 1. CLOGRENNANE LIME LIMITED	<b>41646</b>	Cl. 4. 04 July 2022. Houghton Technical Corp.
<b>225943</b>	Cl. 25, Cl. 40. Louis Copeland & Sons Limited	<b>41658</b>	Cl. 4. 04 July 2022. Houghton Technical Corp.
<b>225981</b>	Cl. 16. Essity Hygiene and Health Aktiebolag	<b>41679</b>	Cl. 4. 04 July 2022. Houghton Technical Corp.

**Renewal Fees unpaid at date of  
expiry of Registration or  
renewal thereof - Rule 39(1) of  
the 1996 Rules**

<b>49344</b>	Cl. 7. 04 July 2022. Daimler AG	<b>167583</b>	Cl. 5. 20 July 2022. ROWEX LTD.
<b>72054</b>	Cl. 5. 23 July 2022. Bayer Intellectual Property GmbH	<b>167589</b>	Cl. 3. 30 July 2022. PHYTOLAB S.L.
<b>72090</b>	Cl. 32. 23 July 2022. J. DONOHOE LIMITED	<b>167819</b>	Cl. 5. 05 July 2022. NUFARM
<b>72632</b>	Cl. 10. 11 July 2022. TERUMO KABUSHIKI KAISHA (TERUMO CORPORATION)	<b>167872</b>	Cl. 9. 16 July 2022. SEA-FLOWER LICENSING AMSTERDAM B.V.
<b>72719</b>	Cl. 5. 09 July 2022. Elanco UK AH Limited	<b>167962</b>	Cl. 11. 31 July 2022. FLOWIL INTERNATIONAL LIGHTING (HOLDING) B.V.
<b>73177</b>	Cl. 21. 09 July 2022. The AMES Companies, Inc.	<b>168438</b>	Cl. 19. 24 July 2022. BROOKS GROUP LIMITED
<b>99256</b>	Cl. 5. 08 July 2022. Intervet Inc.	<b>168998</b>	Cl. 29. 31 July 2022. FrieslandCampina Nederland B.V.
<b>99856</b>	Cl. 5. 27 July 2022. BOEHRINGER INGELHEIM VETMEDICA GmbH	<b>169142</b>	Cl. 30. 10 July 2022. Unilever IP Holdings B.V.
<b>100633</b>	Cl. 19. 22 July 2022. Silikal GmbH	<b>169164</b>	Cl. 11. 10 July 2022. PALL CORPORATION
<b>100636</b>	Cl. 5. 23 July 2022. ASTRAZENECA UK LIMITED	<b>169294</b>	Cl. 5. 18 July 2022. INDIVIOR UK LIMITED
<b>101825</b>	Cl. 5. 20 July 2022. JOHNSON & JOHNSON	<b>169394</b>	Cl. 16. 10 July 2022. INTERNATIONAL DATA GROUP, INC.
<b>102625</b>	Cl. 25. 08 July 2022. MARY QUANT LIMITED	<b>169613</b>	Cl. 34. 13 July 2022. CARRERAS (IRELAND) LIMITED
<b>102637</b>	Cl. 6, Cl. 34. 20 July 2022. GUCCIO GUCCI S.p.A.	<b>169616</b>	Cl. 11. 19 July 2022. Koninklijke Philips Electronics N.V.
<b>102641</b>	Cl. 29. 30 July 2022. POLDYS FRESH FOODS LIMITED	<b>169641</b>	Cl. 5. 11 July 2022. COOPER TRADEMARKS
<b>102642</b>	Cl. 30. 30 July 2022. POLDYS FRESH FOODS LIMITED	<b>169642</b>	Cl. 5. 19 July 2022. Medentech Limited
<b>103419</b>	Cl. 29, Cl. 30, Cl. 32. 15 July 2022. Hero AG	<b>169711</b>	Cl. 33. 31 July 2022. ROBERT A MERRY & COMPANY LIMITED
<b>103977</b>	Cl. 32. 15 July 2022. DR. PEPPER/SEVEN UP, INC.	<b>169833</b>	Cl. 5. 31 July 2022. RPH Pharmaceuticals AB
<b>104734</b>	Cl. 7. 29 July 2022. Capway IE B.V.	<b>170555</b>	Cl. 5. 02 July 2022. LABORATOIRES FOURNIER SA
<b>106495</b>	Cl. 6, Cl. 34. 20 July 2022. GUCCIO GUCCI S.p.A.	<b>170558</b>	Cl. 31. 27 July 2022. OSCAR PET FOODS LIMITED
<b>106768</b>	Cl. 25. 21 July 2022. PJ HUNGARY SZOLGÁLTATÓ KORLÁTOLT FELELOSSÉGU TÁRASÁG B.A.	<b>170594</b>	Cl. 11. 19 July 2022. Koninklijke Philips Electronics N.V.
<b>116133</b>	Cl. 16. 29 July 2022. The Grass Roots Group Holdings Limited	<b>170939</b>	Cl. 27. 30 July 2022. KLEEN-TEX INDUSTRIES, INC.
<b>166869</b>	Cl. 5. 02 July 2022. NOVARTIS AG.	<b>171015</b>	Cl. 3, Cl. 5. 12 July 2022. JOHNSON & JOHNSON
<b>166946</b>	Cl. 16. 12 July 2022. Eddie Bauer Licensing Services LLC	<b>171147</b>	Cl. 25. 04 July 2022. DUNNES STORES LIMITED
<b>167002</b>	Cl. 16. 05 July 2022. GREENBANK HOLIDAYS LIMITED	<b>171342</b>	Cl. 30. 25 July 2022. KNORR-NAHRMITTEL AKTIENGESELLSCHAFT
<b>167003</b>	Cl. 3. 06 July 2022. L'OREAL	<b>171485</b>	Cl. 3. 10 July 2022. CONOPCO INC.
<b>167090</b>	Cl. 11. 19 July 2022. Philips Lighting Holding B.V.	<b>171558</b>	Cl. 25. 12 July 2022. MARIANNE KINKOPF
<b>167205</b>	Cl. 11. 23 July 2022. Philips Lighting Holding B.V.	<b>171774</b>	Cl. 30. 13 July 2022. TAKE 'N' BAKE LIMITED
<b>167225</b>	Cl. 9. 04 July 2022. ASOS HOLDINGS LIMITED	<b>171784</b>	Cl. 34. 27 July 2022. BRITISH-AMERICAN TOBACCO (GERMANY) GMBH
<b>167227</b>	Cl. 18. 04 July 2022. ASOS HOLDINGS LIMITED		
<b>167228</b>	Cl. 25. 04 July 2022. ASOS HOLDINGS LIMITED		

<b>172026</b>	Cl. 1. 23 July 2022. AKZO NOBEL SURFACE CHEMISTRY AB	<b>225081</b>	Cl. 29, Cl. 30, Cl. 32. 07 July 2022. COMPAGNIE GERVAIS DANONE
<b>172358</b>	Cl. 4, Cl. 14, Cl. 16. 05 July 2022. Ronson Incorporated Ltd	<b>225189</b>	Cl. 29, Cl. 30. 14 July 2022. Scotch Frost of Glasgow Limited
<b>172650</b>	Cl. 31. 23 July 2022. ARRABAWN CO-OPERATIVE SOCIETY LIMITED	<b>225269</b>	Cl. 5. 30 July 2022. MENARINI IRELAND
<b>173090</b>	Cl. 5. 20 July 2022. Ferrosan ApS	<b>225298</b>	Cl. 29, Cl. 32. 22 July 2022. Kerry Luxembourg S.à.r.l.
<b>174379</b>	Cl. 9, Cl. 16. 13 July 2022. DEUTSCHE TELEKOM AG.	<b>225300</b>	Cl. 29. 25 July 2022. ALDI STORES (IRELAND) LIMITED
<b>174385</b>	Cl. 9, Cl. 16. 16 July 2022. DEUTSCHE TELEKOM AG.	<b>225616</b>	Cl. 29, Cl. 30. 30 July 2022. Pringles S.à.r.l.
<b>174391</b>	Cl. 9, Cl. 16. 16 July 2022. DEUTSCHE TELEKOM AG.	<b>225617</b>	Cl. 30. 30 July 2022. Pringles S.à.r.l.
<b>174395</b>	Cl. 9, Cl. 16. 16 July 2022. DEUTSCHE TELEKOM AG.	<b>225618</b>	Cl. 30. 30 July 2022. Pringles S.à.r.l.
<b>175292</b>	Cl. 18, Cl. 25. 19 July 2022. USC IP Limited	<b>225702</b>	Cl. 16. 03 July 2022. Harmonia Investments Limited
<b>175731</b>	Cl. 1. 25 July 2022. TIMCAL SA (TIMCAL AG) (TIMCAL LTD)	<b>225801</b>	Cl. 30. 07 July 2022. Dale Farm Limited
<b>175869</b>	Cl. 1, Cl. 5, Cl. 9, Cl. 10, Cl. 11, Cl. 16, Cl. 17, Cl. 18, Cl. 19, Cl. 20, Cl. 22, Cl. 23, Cl. 24, Cl. 25, Cl. 27. 02 July 2022. W.L. GORE & ASSOCIATES, INC.	<b>225872</b>	Cl. 30. 11 July 2022. CADBURY UK LIMITED
<b>176545</b>	Cl. 1. 06 July 2022. EASTMAN KODAK COMPANY	<b>225903</b>	Cl. 2. 25 July 2022. IMPERIAL CHEMICAL INDUSTRIES LIMITED
<b>224763</b>	Cl. 34. 15 July 2022. Imperial Tobacco Limited	<b>225907</b>	Cl. 9, Cl. 18. 09 July 2022. Miroglio Fashion S.r.l.
<b>224793</b>	Cl. 33. 21 July 2022. CASTLE BRANDS SPIRITS COMPANY LIMITED	<b>226327</b>	Cl. 27, Cl. 37. 10 July 2022. Allied Carpets Limited
<b>224824</b>	Cl. 5. 03 July 2022. Bristol-Myers Squibb Company	<b>226931</b>	Cl. 43. 10 July 2022. SCOOTERS PIZZA (PTY) LTD
<b>224835</b>	Cl. 30. 07 July 2022. Dale Farm Limited	<b>227096</b>	Cl. 16. 03 July 2022. Harmonia Investments Limited
<b>224852</b>	Cl. 42. 10 July 2022. COMPUTER ASSOCIATES THINK, INC.	<b>227222</b>	Cl. 18, Cl. 25. 29 July 2022. BAD AND MAD Limited
<b>224865</b>	Cl. 33, Cl. 43. 03 July 2022. LA TASCA RESTAURANTS LIMITED	<b>228805</b>	Cl. 43. 17 July 2022. Octopustravel Group Limited
<b>224900</b>	Cl. 25. 16 July 2022. BEE FLY SARL	<b>247434</b>	Cl. 3, Cl. 5. 02 July 2022. MERCK SHARP & DOHME CORP.
<b>224914</b>	Cl. 12. 28 July 2022. Opel Automobile GmbH	<b>247441</b>	Cl. 5. 04 July 2022. TEVA PHARMACEUTICALS IRELAND A TRADING NAME OF NORTON (WATERFORD) LIMITED
<b>224918</b>	Cl. 36, Cl. 42. 29 July 2022. Das Legal Expenses Insurance Company Limited	<b>247444</b>	Cl. 9. 03 July 2022. MERVYN AUCHMUTY
<b>224919</b>	Cl. 36, Cl. 42. 29 July 2022. Das Legal Expenses Insurance Company Limited	<b>247449</b>	Cl. 9, Cl. 36. 24 July 2022. NEVILLE RAVJEE
<b>224925</b>	Cl. 3. 30 July 2022. CHANEL LIMITED	<b>247450</b>	Cl. 5. 06 July 2022. JOHNSON & JOHNSON
<b>224943</b>	Cl. 14. 29 July 2022. WESTFIELD LICENSING COMPANY	<b>247451</b>	Cl. 5. 06 July 2022. JOHNSON & JOHNSON
<b>224953</b>	Cl. 3. 14 July 2022. Unilever Global IP Limited	<b>247452</b>	Cl. 41. 05 July 2022. HEINEKEN BROUWERIJEN B.V.
<b>224958</b>	Cl. 43. 07 July 2022. Supermac's	<b>247453</b>	Cl. 41. 05 July 2022. HEINEKEN BROUWERIJEN B.V.
<b>225005</b>	Cl. 3. 25 July 2022. BEIERSDORF AG	<b>247454</b>	Cl. 4. 06 July 2022. CPL DISTRIBUTION LIMITED
<b>225019</b>	Cl. 25. 25 July 2022. Buckley Lamb Limited	<b>247462</b>	Cl. 42. 09 July 2022. FERNANDO GIRBAL
<b>225058</b>	Cl. 2. 29 July 2022. Absolute Coatings, Inc		

<b>247471</b>	Cl. 30. 09 July 2022. Unilever IP Holdings B.V.	<b>247605</b>	Cl. 16, Cl. 35, Cl. 41, Cl. 44. 01 August 2022. AGE & OPPORTUNITY
<b>247479</b>	Cl. 33. 10 July 2022. MICHAEL STANLEY	<b>247606</b>	Cl. 3, Cl. 35, Cl. 41, Cl. 44. 30 July 2022. CHRISTOPHER MCCORMACK
<b>247482</b>	Cl. 34. 03 July 2022. GALLAHER LIMITED	<b>247607</b>	Cl. 3. 18 July 2022. THOMAS CULLEN
<b>247485</b>	Cl. 5. 10 July 2022. NORDMEDICA A/S	<b>247611</b>	Cl. 16, Cl. 35, Cl. 41. 27 July 2022. INSTITUTE OF TECHNOLOGY TRALEE
<b>247496</b>	Cl. 29. 11 July 2022. Sovena Internacional S.A.	<b>247615</b>	Cl. 28. 06 July 2022. ARGOS LIMITED
<b>247497</b>	Cl. 33. 12 July 2022. LATIN AMERICAN WINES	<b>247616</b>	Cl. 35. 31 July 2022. ADM LONDIS PLC
<b>247513</b>	Cl. 9, Cl. 16, Cl. 18, Cl. 25, Cl. 28, Cl. 35, Cl. 41. 11 July 2022. THE CAMOGIE ASSOCIATION	<b>247617</b>	Cl. 30. 31 July 2022. ALDI STORES (IRELAND) LIMITED
<b>247525</b>	Cl. 16, Cl. 35. 13 July 2022. INDEPENDENT NEWSPAPERS (IRELAND) LIMITED	<b>247623</b>	Cl. 4. 01 August 2022. CPL FUELS IRELAND LIMITED
<b>247528</b>	Cl. 35. 13 July 2022. JOHN O'GORMAN	<b>247625</b>	Cl. 4. 01 August 2022. CPL FUELS IRELAND LIMITED
<b>247532</b>	Cl. 41. 05 July 2022. THE SOCIETY OF PROFESSIONAL ACCOUNTANTS OF CANADA	<b>247630</b>	Cl. 41. 19 July 2022. FEIDHM MARA TEO T/A EFFECTIVE OFFSHORE
<b>247547</b>	Cl. 9, Cl. 45. 13 July 2022. NORTHWOOD TECHNOLOGY LTD	<b>247645</b>	Cl. 35, Cl. 41, Cl. 42. 09 July 2022. IBEC COMPANY LIMITED BY GUARANTEE
<b>247551</b>	Cl. 6. 17 July 2022. FRANK HUGHES	<b>247655</b>	Cl. 41. 25 July 2022. PAUL STENSON
<b>247552</b>	Cl. 36. 18 July 2022. MIDOUGH LTD	<b>247666</b>	Cl. 41. 16 July 2022. LIGHTHOUSE LEARNING LIMITED
<b>247553</b>	Cl. 43. 17 July 2022. CAMILE THAI KITCHEN LIMITED	<b>247674</b>	Cl. 31. 24 July 2022. DAIRYGOLD AGRI BUSINESS LTD
<b>247555</b>	Cl. 11. 17 July 2022. Ideal Boilers Limited	<b>247696</b>	Cl. 35. 27 July 2022. A1 PARTS LTD T/A BALEPAK
<b>247571</b>	Cl. 28. 19 July 2022. ARGOS LIMITED	<b>247698</b>	Cl. 44. 11 July 2022. Centric Health Primary Care Limited
<b>247573</b>	Cl. 43. 26 July 2022. BRENDAN HEDLEY	<b>247750</b>	Cl. 3. 05 July 2022. ALDI STORES (IRELAND) LIMITED
<b>247574</b>	Cl. 30. 25 July 2022. Unilever IP Holdings B.V.	<b>247824</b>	Cl. 29, Cl. 30, Cl. 32. 18 July 2022. ALDI STORES (IRELAND) LIMITED
<b>247575</b>	Cl. 30. 26 July 2022. Unilever IP Holdings B.V.	<b>247831</b>	Cl. 37, Cl. 40, Cl. 42. 02 July 2022. PPG ARCHITECTURAL COATINGS IRELAND LIMITED
<b>247576</b>	Cl. 30. 25 July 2022. Unilever IP Holdings B.V.	<b>247850</b>	Cl. 41. 05 July 2022. THE SOCIETY OF PROFESSIONAL ACCOUNTANTS OF CANADA
<b>247577</b>	Cl. 30. 25 July 2022. Unilever IP Holdings B.V.	<b>247856</b>	Cl. 9, Cl. 35. 09 July 2022. DERMOT BYRNE
<b>247580</b>	Cl. 30. 26 July 2022. ELISEO INQUARTANA	<b>247878</b>	Cl. 29, Cl. 30. 17 July 2022. KNORR-NÄHRMITTEL AKTIENGESELLSCHAFT
<b>247586</b>	Cl. 25. 30 July 2022. BEVIN O'SHEA	<b>247912</b>	Cl. 3, Cl. 14, Cl. 18, Cl. 25, Cl. 28, Cl. 35, Cl. 36, Cl. 38, Cl. 41. 27 July 2022. KERING
<b>247590</b>	Cl. 29, Cl. 30. 16 July 2022. JOHN WOODS (LISGLYN) LIMITED	<b>247923</b>	Cl. 9, Cl. 16, Cl. 35, Cl. 36, Cl. 41, Cl. 42, Cl. 44. 13 July 2022. NATIONAL UNIVERSITY OF IRELAND, MAYNOOTH
<b>247591</b>	Cl. 9, Cl. 25, Cl. 38, Cl. 41. 25 July 2022. NEIL MCDONNELL		
<b>247593</b>	Cl. 41. 24 July 2022. SIMON IAN HILL		
<b>247595</b>	Cl. 3. 27 July 2022. ALDI STORES (IRELAND) LIMITED		
<b>247599</b>	Cl. 41, Cl. 42. 25 July 2022. LOGON INTERNET MARKETING LTD		
<b>247604</b>	Cl. 16, Cl. 35, Cl. 41, Cl. 44. 01 August 2022. AGE & OPPORTUNITY		

<b>247924</b>	Cl. 9, Cl. 16, Cl. 35, Cl. 36, Cl. 41, Cl. 42, Cl. 44. 13 July 2022. NATIONAL UNIVERSITY OF IRELAND, MAYNOOTH	<b>254674</b>	Cl. 29, Cl. 31. 19 July 2022. Irish Hereford Prime Limited
<b>247925</b>	Cl. 9, Cl. 16, Cl. 35, Cl. 36, Cl. 41, Cl. 42, Cl. 44. 13 July 2022. NATIONAL UNIVERSITY OF IRELAND, MAYNOOTH	<b>256235</b>	Cl. 38. 26 July 2022. SHANGHAI FEIXUN COMMUNICATION CO., LTD.
<b>247926</b>	Cl. 9, Cl. 16, Cl. 35, Cl. 36, Cl. 41, Cl. 42, Cl. 44. 13 July 2022. NATIONAL UNIVERSITY OF IRELAND, MAYNOOTH	<b>Trade Marks Removed from the Register under Section 48 and Rule 39(2) of the 1996 Act and Rules.</b>	
<b>247971</b>	Cl. 6. 30 July 2022. MULDOWNNEY DOHERTY SAFETY SERVICES LTD.	<b>39325</b>	Cl. 5. LRC PRODUCTS LIMITED
<b>247987</b>	Cl. 1, Cl. 3. 10 July 2022. Unilever Global IP Limited	<b>39326</b>	Cl. 5. LRC PRODUCTS LIMITED
<b>248011</b>	Cl. 39. 31 July 2022. BUS EIREANN/IRISH BUS	<b>39374</b>	Cl. 4. EXXON MOBIL CORPORATION
<b>248109</b>	Cl. 6. 27 July 2022. KELLYS WELDING AND ENGINEERING SUPPLIES LTD	<b>39382</b>	Cl. 33. SOCIETE JAS HENNESSY & CO., S.A.
<b>248138</b>	Cl. 44. 31 July 2022. INNOVIOS LIMITED	<b>39383</b>	Cl. 33. SOCIETE JAS HENNESSY & CO., S.A.
<b>248163</b>	Cl. 19. 13 July 2022. ARTHUR DRAKE	<b>61917</b>	Cl. 29. Upfield Spreads Ireland Limited
<b>248300</b>	Cl. 16, Cl. 36, Cl. 44. 02 July 2022. VHI Insurance Designated Activity Company	<b>61944</b>	Cl. 23. J. & P. COATS LIMITED
<b>248343</b>	Cl. 9. 13 July 2022. JOHN O'GORMAN	<b>61972</b>	Cl. 9. JNC Datum Tech. International Ltd.
<b>248418</b>	Cl. 18, Cl. 44. 11 July 2022. DR. BARBARA ANNE MURPHY	<b>62481</b>	Cl. 5. Boehringer Ingelheim Pharma GmbH & Co. KG
<b>248419</b>	Cl. 3, Cl. 5, Cl. 37. 16 July 2022. LCR CHEMICALS LTD	<b>71213</b>	Cl. 11. GENERAL ELECTRIC COMPANY
<b>248463</b>	Cl. 35, Cl. 45. 17 July 2022. NAREOS LIMITED	<b>71219</b>	Cl. 3. Bayer Consumer Care AG
<b>249217</b>	Cl. 29. 18 July 2022. WILD ABOUT FOOD LTD	<b>71220</b>	Cl. 5. Bayer Consumer Care AG
<b>249220</b>	Cl. 9, Cl. 16, Cl. 35, Cl. 37, Cl. 38, Cl. 41, Cl. 42. 20 July 2022. Eircom Limited	<b>71254</b>	Cl. 23. PHILDAR
<b>249221</b>	Cl. 9, Cl. 16, Cl. 35, Cl. 37, Cl. 38, Cl. 41, Cl. 42. 20 July 2022. Eircom Limited	<b>71324</b>	Cl. 21. GENERAL ELECTRIC COMPANY
<b>249361</b>	Cl. 9, Cl. 16, Cl. 35, Cl. 37, Cl. 38, Cl. 41, Cl. 42. 20 July 2022. Eircom Limited	<b>71667</b>	Cl. 34. CARRERAS (IRELAND) LIMITED
<b>249362</b>	Cl. 9, Cl. 16, Cl. 35, Cl. 37, Cl. 38, Cl. 41, Cl. 42. 20 July 2022. Eircom Limited	<b>71801</b>	Cl. 34. TURMAC TOBACCO COMPANY B.V.
<b>249457</b>	Cl. 35, Cl. 43. 20 July 2022. SEDUM HOLDINGS LIMITED	<b>72182</b>	Cl. 30. REDCO FOODS CANADA INC.
<b>250323</b>	Cl. 9, Cl. 16, Cl. 35, Cl. 37, Cl. 38, Cl. 41, Cl. 42. 20 July 2022. Eircom Limited	<b>72218</b>	Cl. 7. Linde Aktiengesellschaft
<b>251869</b>	Cl. 9, Cl. 37, Cl. 41. 20 July 2022. Eircom Limited	<b>72299</b>	Cl. 30. REDCO FOODS CANADA INC.
<b>252460</b>	Cl. 16, Cl. 28, Cl. 36, Cl. 38. 20 July 2022. SKY UK LIMITED	<b>97667</b>	Cl. 17. E. MISSEL GmbH & CO.
<b>253021</b>	Cl. 41. 20 July 2022. SKY UK LIMITED	<b>98235</b>	Cl. 15. KABUSHIKI KAISHA KAWAI GAKKI SEISAKUSHO (KAWAI MUSICAL INSTRUMENTS MANUFACTURING CO., LTD)
<b>253791</b>	Cl. 9, Cl. 35, Cl. 38, Cl. 41, Cl. 42, Cl. 45. 20 July 2022. SKY UK LIMITED	<b>100777</b>	Cl. 28. BLACK KNIGHT ENTERPRISES LTD.
		<b>100997</b>	Cl. 29. WALTER RAU NEUSSER OL UND FETT AG
		<b>100998</b>	Cl. 29. WALTER RAU NEUSSER OL UND FETT AG

<b>101820</b>	Cl. 29. WALTER RAU NEUSSER OL UND FETT AG	<b>166361</b>	Cl. 1. Innovative Water Care, LLC
<b>103951</b>	Cl. 7, 9, 11. SPIRAX-SARCO LIMITED	<b>166362</b>	Cl. 1. Innovative Water Care, LLC
<b>104333</b>	Cl. 1, 6, 7, 9. Castolin Eutectic GmbH	<b>166363</b>	Cl. 1. ARCH UK BIOCIDES LIMITED
<b>104524</b>	Cl. 5. CLONMEL HEALTHCARE LTD.	<b>166364</b>	Cl. 1. Innovative Water Care, LLC
<b>106730</b>	Cl. 30. SOCIETE DES PRODUITS NESTLE S.A.	<b>166365</b>	Cl. 1. Innovative Water Care, LLC
<b>106737</b>	Cl. 30. SOCIETE DES PRODUITS NESTLE S.A.	<b>166499</b>	Cl. 5. E.R. SQUIBB & SONS, L.L.C.
<b>163188</b>	Cl. 1. CeramTec GmbH	<b>167083</b>	Cl. 11. BEKO PLC
<b>163594</b>	Cl. 5, 21. OMS Investments, Inc.	<b>167092</b>	Cl. 4. Wax Lyrical Limited
<b>163596</b>	Cl. 29. Premier Foods Group Limited	<b>167115</b>	Cl. 1. Panasonic Corporation
<b>163991</b>	Cl. 19. TRESPA INTERNATIONAL B.V	<b>167116</b>	Cl. 2. Panasonic Corporation
<b>164010</b>	Cl. 1. Rhodia Chimie	<b>167601</b>	Cl. 12. AUTOMOBILES PEUGEOT
<b>164011</b>	Cl. 5. Rhodia Chimie	<b>168122</b>	Cl. 5. L'OREAL
<b>164020</b>	Cl. 3. PHYTOLAB, S.L.	<b>168299</b>	Cl. 5. Panasonic Corporation
<b>164021</b>	Cl. 10. ALLERGAN, INC.	<b>168300</b>	Cl. 6. Panasonic Corporation
<b>164035</b>	Cl. 9, 16, 25. Shop Direct Ireland Limited	<b>168301</b>	Cl. 7. Panasonic Corporation
<b>164108</b>	Cl. 25. Shop Direct Ireland Limited	<b>168302</b>	Cl. 8. Panasonic Corporation
<b>164379</b>	Cl. 1. Everris International B.V.	<b>168303</b>	Cl. 9. Panasonic Corporation
<b>164595</b>	Cl. 25. BRANTANO RETAIL LIMITED	<b>168304</b>	Cl. 10. Panasonic Corporation
<b>164643</b>	Cl. 34. SOUZA CRUZ S.A.	<b>168305</b>	Cl. 11. Panasonic Corporation
<b>164817</b>	Cl. 16. RELIGIOUS TECHNOLOGY CENTER	<b>168306</b>	Cl. 12. Panasonic Corporation
<b>164818</b>	Cl. 16. RELIGIOUS TECHNOLOGY CENTER	<b>168307</b>	Cl. 14. Panasonic Corporation
<b>165233</b>	Cl. 25. Cornelian S.p.A.	<b>168308</b>	Cl. 15. Panasonic Corporation
<b>165265</b>	Cl. 5. PFIZER PRODUCTS INC.	<b>168309</b>	Cl. 16. Panasonic Corporation
<b>165466</b>	Cl. 21. BELL LABORATORIES, INC.	<b>168310</b>	Cl. 17. Panasonic Corporation
<b>165552</b>	Cl. 19. TRESPA INTERNATIONAL B.V	<b>168311</b>	Cl. 19. Panasonic Corporation
<b>165553</b>	Cl. 20. TRESPA INTERNATIONAL B.V	<b>168312</b>	Cl. 20. Panasonic Corporation
<b>165587</b>	Cl. 10. PAUL HARTMANN AG	<b>168313</b>	Cl. 21. Panasonic Corporation
<b>165657</b>	Cl. 19. Promat Research and Technology Centre NV	<b>168314</b>	Cl. 28. Panasonic Corporation
<b>165661</b>	Cl. 1. Valspar Sourcing, Inc.	<b>168404</b>	Cl. 3. THE PROCTER & GAMBLE COMPANY
<b>165663</b>	Cl. 14. Citizen Tokei Kabushiki Kaisha also trading as Citizen Watch Co., Ltd.	<b>168475</b>	Cl. 3. L'OREAL
<b>165963</b>	Cl. 1. Innovative Water Care, LLC	<b>168969</b>	Cl. 3. L'OREAL
<b>165964</b>	Cl. 1. Innovative Water Care, LLC	<b>171011</b>	Cl. 6. ALTENLOH, BRINCK & CO. GmbH & CO. KG
<b>165965</b>	Cl. 1. ARCH UK BIOCIDES LIMITED	<b>171302</b>	Cl. 30. ABF GRAIN PRODUCTS LIMITED
<b>165966</b>	Cl. 5. ARCH UK BIOCIDES LIMITED	<b>173726</b>	Cl. 5. ASTRAZENECA UK LIMITED
<b>165967</b>	Cl. 1. Innovative Water Care, LLC	<b>176161</b>	Cl. 14, 18, 25, 33. ZINO DAVIDOFF SA
<b>165975</b>	Cl. 9. SPY OPTIC, INC.	<b>177072</b>	Cl. 3. ITF Spa
<b>166131</b>	Cl. 5. BELL LABORATORIES, INC.	<b>177134</b>	Cl. 3. COMPTOIR NOUVEAU DE LA PARFUMERIE
<b>166133</b>	Cl. 24. DORMEUIL FRERES	<b>223398</b>	Cl. 7. THE BLACK & DECKER CORPORATION
<b>166134</b>	Cl. 25. DORMEUIL FRERES	<b>223468</b>	Cl. 12, 28, 37. Daimler AG
<b>166137</b>	Cl. 9. HYPERCOM CORPORATION	<b>223470</b>	Cl. 12, 28, 37. Daimler AG
<b>166141</b>	Cl. 9. KABUSHIKI KAISHA HITACHI SEISAKUSHO HITACHI, LTD	<b>223471</b>	Cl. 12, 28, 37. Daimler AG
<b>166162</b>	Cl. 10. ALLERGAN, INC.	<b>223472</b>	Cl. 12, 28, 37. Daimler AG
<b>166164</b>	Cl. 10. ALLERGAN, INC.	<b>223475</b>	Cl. 12, 28, 37. Daimler AG
		<b>223476</b>	Cl. 12, 28, 37. Daimler AG
		<b>223477</b>	Cl. 12, 28, 37. Daimler AG
		<b>223486</b>	Cl. 30. Dale Farm Limited
		<b>223491</b>	Cl. 30. Irish Biscuits
		<b>223569</b>	Cl. 3, 5. JOHNSON & JOHNSON
		<b>223585</b>	Cl. 5. HELSINN BIREX THERAPEUTICS LIMITED

<b>223608</b>	Cl. 9. JOHNSON & JOHNSON	<b>246602</b>	Cl. 25, 26. ST. LAWRENCE O'TOOLE GIRLS SCHOOL
<b>223611</b>	Cl. 30. CADBURY UK LIMITED	<b>246603</b>	Cl. 25, 26. ST. MARY'S
<b>223786</b>	Cl. 9. JOHNSON & JOHNSON	<b>246605</b>	Cl. 25, 26. ST PETER'S NATIONAL SCHOOL
<b>224435</b>	Cl. 12, 28, 37. Daimler AG	<b>246610</b>	Cl. 6, 9, 16, 18, 25, 28, 41, 43. PÁIRC AN CHROCAIGH TEORANTA
<b>224436</b>	Cl. 12, 28, 37. Daimler AG	<b>246611</b>	Cl. 30. SIOBHÁN LAWLESS
<b>224497</b>	Cl. 12, 28, 37. Daimler AG	<b>246616</b>	Cl. 41, 44. BRISTOL-MYERS SQUIBB COMPANY
<b>224498</b>	Cl. 12, 28, 37. Daimler AG	<b>246625</b>	Cl. 20. JOHN ANTHONY CAREY
<b>224499</b>	Cl. 12, 28, 37. Daimler AG	<b>246628</b>	Cl. 30. SEÁN WALSH
<b>224587</b>	Cl. 12, 28, 37. Daimler AG	<b>246633</b>	Cl. 25, 26. GAELSCOIL CHOLMCILLE
<b>224588</b>	Cl. 12, 28, 37. Daimler AG	<b>246634</b>	Cl. 33. PATRÓN SPIRITS INTERNATIONAL AG
<b>224683</b>	Cl. 3, 5, 21. Unilever Global IP Limited	<b>246635</b>	Cl. 4. GALTEE FUELS LTD
<b>224684</b>	Cl. 3, 5, 21. Unilever Global IP Limited	<b>246636</b>	Cl. 25, 26. ST LAWRENCE O'TOOLE C.B.S
<b>224685</b>	Cl. 35, 36. Espírito Santo Public Limited Company	<b>246637</b>	Cl. 25, 26. SCOIL NA NAOMH UILIG
<b>224971</b>	Cl. 3, 21. Unilever Global IP Limited	<b>246650</b>	Cl. 4. KAMIL SERDYNSKI
<b>225699</b>	Cl. 12. Armon Limited	<b>246693</b>	Cl. 29. PATRICK O'MALLEY
<b>226117</b>	Cl. 7, 9, 11. BEKO PLC	<b>246713</b>	Cl. 32. SANSERV GLOBAL LIMITED
<b>226457</b>	Cl. 16, 25, 41. Irish Water Safety Association	<b>246717</b>	Cl. 29, 31. MUMS SECRET LIMITED
<b>226918</b>	Cl. 9, 11, 42. Diehl Aerospace GmbH	<b>246797</b>	Cl. 45. DIONISIO CHANZA JORDAN
<b>226967</b>	Cl. 9, 12. Daimler AG	<b>246859</b>	Cl. 45. THE PARTNERS OF HOLMES O'MALLEY SEXTON SOLICITORS FROM TIME TO TIME TRADING AS HOLMES O'MALLEY SEXTON SOLICITORS
<b>228320</b>	Cl. 29, 30. BATCHELORS	<b>246912</b>	Cl. 4, 11, 20, 21. KELSTON HOUSE INTERNATIONAL
<b>228321</b>	Cl. 29, 30. BATCHELORS	<b>246939</b>	Cl. 9. KEVIN MYLER
<b>228702</b>	Cl. 6, 17, 19. KINGSPAN GROUP PLC	<b>247001</b>	Cl. 9, 42. OPENET TELECOM LIMITED
<b>229476</b>	Cl. 30. ARYZTA Food Solutions Ireland	<b>247148</b>	Cl. 44. IRISH THERAPY DOGS
<b>234514</b>	Cl. 28. True Temper Sports, Inc	<b>247170</b>	Cl. 43. MASTERSONS STEAKHOUSE
<b>246479</b>	Cl. 36. GLOBE TELECOM, INC.	<b>247177</b>	Cl. 30. ALDI STORES (IRELAND) LIMITED
<b>246484</b>	Cl. 24. TEKA FIAÇÃO LTDA.	<b>247182</b>	Cl. 6. EIRE'S KIDS
<b>246496</b>	Cl. 31. MARTIN BEIRNE	<b>247184</b>	Cl. 6. EIRE'S KIDS
<b>246501</b>	Cl. 16, 41. JEREMIAH GEARY	<b>247185</b>	Cl. 6. EIRE'S KIDS
<b>246533</b>	Cl. 35, 41. CHRYSALIS EVOLUTION LTD	<b>247186</b>	Cl. 6. EIRE'S KIDS
<b>246538</b>	Cl. 25, 35. TWINKLE CLOTHING LTD	<b>247187</b>	Cl. 7, 8, 9, 11, 14, 20, 21, 27. ARGOS LIMITED
<b>246550</b>	Cl. 3. Unilever Global IP Limited	<b>247217</b>	Cl. 28. FLIES OF IRELAND
<b>246556</b>	Cl. 14, 35. DONOVAN & MATSON LTD	<b>247277</b>	Cl. 5. GILEAD SCIENCES IRELAND UC
<b>246562</b>	Cl. 9, 38. Eircom Limited	<b>247360</b>	Cl. 35, 41. CHRYSALIS EVOLUTION LTD
<b>246563</b>	Cl. 9, 38. Eircom Limited	<b>247393</b>	Cl. 1, 4, 6, 7, 8, 9, 11, 12, 16, 17, 19, 28, 35, 36, 37, 38, 39, 40, 41, 42, 45. OVO (S) ENERGY SERVICES LIMITED
<b>246566</b>	Cl. 3, 9, 14, 16, 18, 21, 25, 28, 38, 41. TV3 TELEVISION NETWORK LIMITED	<b>247529</b>	Cl. 6, 7, 21, 39, 40. EMERALD WASTE COMPANY LIMITED
<b>246567</b>	Cl. 36. FINPLAN PENSION & INVESTMENT CONSULTANTS T/A FINPLAN	<b>247538</b>	Cl. 30. JACOB FRUITFIELD FOODS
<b>246569</b>	Cl. 35, 38, 41, 42. TOTAL FUNDRAISING		
<b>246576</b>	Cl. 31. MARTIN BEIRNE		
<b>246586</b>	Cl. 9, 11. Terence Gerard Madigan		
<b>246591</b>	Cl. 41, 44. BRISTOL-MYERS SQUIBB COMPANY		
<b>246592</b>	Cl. 41, 44. BRISTOL-MYERS SQUIBB COMPANY		
<b>246596</b>	Cl. 30, 35, 43. CATHAL MOLLOY		
<b>246599</b>	Cl. 25, 26. COLÁISTE MHUIRE		
<b>246601</b>	Cl. 25, 26. MOUNT CARMEL SECONDARY SCHOOL		

- 247759 Cl. 35. THE IRISH MARITIME DEVELOPMENT OFFICE  
 247816 Cl. 29. Intercontinental Great Brands LLC  
 247949 Cl. 29. McCAIN FOODS (GB) LIMITED  
 248188 Cl. 33. ACCOLADE WINES LIMITED  
 248569 Cl. 21. Aideen Whelan  
 251074 Cl. 3. HENKEL AG & CO. KGaA  
 251075 Cl. 3. HENKEL AG & CO. KGaA

### **Cancellations effected for the following goods/services under the Madrid protocol**

- 1431711 BRAYADU  
 Cancellation in respect of all goods and services registered at WIPO on 21/07/2022.
- 1432197 DOORCOIN  
 Cancellation in respect of all goods and services registered at WIPO on 21/07/2022.
- 1461818 i911.com  
 Cancellation in respect of all goods and services registered at WIPO on 19/07/2022.
- 1475752 JARC  
 Cancellation in respect of all goods and services registered at WIPO on 26/07/2022.

### **Changes/Corrections in the International Register**

- 1665379 Advertised as accepted in Journal No: 2469 on 03/08/2022.
- Specification amended to read
- Educational information; education and training; arranging of educational courses, events and seminars; conducting of educational courses, events and seminars; coaching;

education and entertainment services; education and training consultancy, advisory and information services; providing information and advice in relation to education services and early childhood education including providing information and advice to parents regarding early childhood education options and available education services specifically tailored to their requirements; providing information and advice in relation to kindergartens (nursery schools), preschools, educational facilities and education for children; educational services in the nature of before school, after school and school holiday educational programs for children; providing information, news and commentary in the field of education, preschool education, kindergarten, early childhood services, early childhood education and training; providing online electronic publications; publication of educational, entertainment, or cultural materials; providing online electronic publications (not downloadable) including in relation to child care services, education for children, training of children, kindergartens, preschools and early childhood education; weblog (blog) services (online publications of journals or diaries) including in relation to children, child care and education; electronic publication of information on a wide range of topics, including online and over a global computer network; online (electronic) publication of news; publishing by electronic means; publishing of newsletters; publication of magazines, books, journals, educational texts, news, newspapers, periodicals, multimedia material, including online; publication of electronic books, journals and multimedia material online; publishing of newsletters, newspapers, printed matter and stories; provision of entertainment services via an online forum; production of audio and/or video recordings, other than advertising; productions and distribution of audio/visual presentations, audio entertainment,



films, other than advertising films, music, music shows, plays, shows, video recordings, sound recordings, other than advertising, television programs, animated films and cartoons; providing online videos, not downloadable; providing online electronic publications (not downloadable); dissemination of entertainment and educational material; advisory services relating to education, entertainment, publishing and training; career counselling (education or training advice); career advisory services (education or training advice); vocational education; vocational guidance (education or training advice); provision of all the aforesaid services including by electronic means, online, via a website, the internet or other

computer networks, by wireless technology, accessible by mobile phone and other internet-enabled devices, and/or via a global computer network; providing information, advisory and consultancy services in relation to the aforesaid services; consultancy, information and advisory services in the field of education services and early childhood education. Class 43. Consultancy, information and advisory services in the field of nurseries, creche and day care services.