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**CLÁR INNSTE**

<b>Cuid I</b>		<b>Cuid II</b>	
<b>Paitinní</b>	<b>Leath</b>	<b>Trádmharcanna</b>	<b>Leath</b>
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**Cuid I**  
**Paitinní agus Dearachtaí**

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**No. 2534****Wednesday, 29 January, 2025**

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*In this Part of the Journal, a reference to a section is to a section of the Patents Act, 1992 unless otherwise stated.*

## **Official Notice**

**Register of Patent Agents**

**Examination in Law & Practice of Patents**

**It is proposed to hold an online e-examination in the law and practice of Patents on 09 April, 2025. The latest date for receipt of applications from persons who wish to sit this examination is 10 March, 2025. Candidates wishing to be examined must have submitted in advance to the Controller an application form and fee of €200 not later than 10 March, 2025.**

## Applications for Patents From 27/12/2024 to 09/12/2025

The names of applicants are in alphabetical order. 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.

CASEY RYAN Apollo - A novel Network Intrusion Detection System using AI 07 January 2025	<b>20250008</b>
CHENGDU UNIVERSITY OF INFORMATION TECHNOLOGY ROAD SURFACE METEOROLOGICAL CONDITION IDENTIFICATION METHOD AND SYSTEM BASED ON VEHICLE DRIVING AUDIO; JIANGSU METEOROLOGICAL SERVICE CENTER 30 December 2024	<b>S20240784</b>
CHINA COAL RESEARCH INSTITUTE; SHIJIAZHUANG TIEDAO UNIVERSITY A Sandstone Uranium Mine Permeability Evaluation Device 09 January 2025	<b>S20250012</b>
ENVIROGRAF LTD LOCKABLE LETTER BOX ASSEMBLY 30 December 2024 [United Kingdom-02 January 2024]	<b>20240783</b>
ETAOIN HEALY BASTOW Wound Protection Cage 06 January 2025 [Ireland-11 January 2024]	<b>S20250006</b>
ILLINOIS TOOL WORKS, INC. LOAD HANDLING COMPLIANCE 08 January 2025 [United Kingdom-09 January 2024]	<b>20250011</b>
ILLINOIS TOOL WORKS, INC. WEIGHBRIDGE 09 January 2025 [United Kingdom-31 January 2024]	<b>20250013</b>
JIANGSU METEOROLOGICAL SERVICE CENTER; CHENGDU UNIVERSITY OF INFORMATION TECHNOLOGY ROAD SURFACE METEOROLOGICAL CONDITION IDENTIFICATION METHOD AND SYSTEM BASED ON VEHICLE DRIVING AUDIO 30 December 2024	<b>S20240784</b>
KEOGH AIMEE; KEOGH ASHLEE An application for treating the effects of the psychological enigma the intention action gap in second level students 02 January 2025	<b>S20250002</b>
KEOGH ASHLEE; KEOGH AIMEE An application for treating the effects of the psychological enigma the intention action gap in second level students 02 January 2025	<b>S20250002</b>
LUDONG UNIVERSITY TOMATO PEST AND DISEASE DETECTION AND RECOGNITION METHOD BASED ON DEEP LEARNING 09 January 2025	<b>S20250015</b>

MAKO SURGICAL CORP. SURGICAL IRRIGATION CLIP 09 January 2025 [United States of America-10 January 2024]	<b>20250014</b>
MCCLOUGHLIN PAT; QUILTY GAVIN; MURPHY FIONN Modular Point Absorber Wave Energy Converter (WEC) for Nearshore Deployment 08 January 2025	<b>S20250010</b>
MOUNSEY KEVIN Farmflow app is an app for estimating future bulk meal and fertiliser orders. 06 January 2025	<b>S20250007</b>
MURPHY FIONN; QUILTY GAVIN; MCCLOUGHLIN PAT; Modular Point Absorber Wave Energy Converter (WEC) for Nearshore Deployment 08 January 2025	<b>S20250010</b>
O'CONNOR ALANNAH; VUKAJLOVIC KARIS Compostable PLA Take-Away Cup Disposal Scheme 02 January 2025	<b>S20250001</b>
O KEEFFE SINEAD Method for Extracting Isoflavones from Farm-Harvested Red Clover Using Glycerine and Ultrasonic Homogenization for Beauty Applications 31 December 2024	<b>S20240785</b>
QUILTY GAVIN; MCCLOUGHLIN PAT; MURPHY FIONN Modular Point Absorber Wave Energy Converter (WEC) for Nearshore Deployment 08 January 2025	<b>S20250010</b>
SHIJIAZHANG TIEDAO UNIVERSITY; CHINA COAL RESEARCH INSTITUTE A Sandstone Uranium Mine Permeability Evaluation Device 09 January 2025	<b>S20250012</b>
UNIVERSITY OF SCIENCE AND TECHNOLOGY BEIJING METHOD FOR JOINT PRODUCTION OF ALUMINA AND IRON BY BAYER PROCESS WITH THE STEEL INDUSTRY 07 January 2025 [China-26 April 2024]	<b>S20250009</b>
YAN'AN UNIVERSITY SYSTEM AND METHOD FOR ASSESSING PANCREATIC CANCER-RELATED SCREENING BASED ON BIG DATA ALGORITHM 03 January 2025	<b>S20250005</b>
YAN'AN UNIVERSITY METHOD FOR PREPARING ORGANIC KETONE COMPOUND WITH SYNERGISTIC CATALYSIS OF LIGHT AND METAL 03 January 2025 [China-12 April 2024]	<b>S20250003</b>
YAN'AN UNIVERSITY LEG STRETCHING DEVICE FOR AEROBICS TRAINING 03 January 2025	<b>S20250004</b>
YAN'AN UNIVERSITY METHOD FOR ANALYZING CHEMICAL AND BIOCHEMICAL SUBSTANCES USING A SPECTROSCOPY DETECTION TECHNIQUE BASED ON NANOSTRUCTURES 27 December 2024	<b>S20240780</b>
YAN'AN UNIVERSITY MULTI-TARGET SYNCHRONOUS DETECTION MEDICAL ANALYSIS SYSTEM AND METHOD BASED ON NANOMATERIALS 27 December 2024	<b>S20240781</b>
YAN'AN UNIVERSITY TEACHING TOOL CONVENIENT FOR MUSIC TEACHING 27 December 2024	<b>S20240782</b>
VUKAJLOVIC KARIS; O'CONNOR ALANNAH Compostable PLA Take-Away Cup Disposal Scheme 02 January 2025 S20250001	<b>S20250001</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.

2024	<b>S20240266</b>	STANLEY WIRE LIMITED, CONCRETE REINFORCEMENT. 16 May 2023. Int. Cl. (2025.01) <b>B21D 11/00; B21F 27/00; B21F 3/00; E04B 1/00; E04C 5/00.</b>
2024	<b>S20240328</b>	WUHAN ENGINEERING CO., LTD OF CHINA RAILWAY SEVENTH GROUP, A METHOD FOR SINGLE-END EXCAVATION AND TUNNELING CONSTRUCTION OF SMALL-SECTION OIL PIPE TUNNELS. 19 June 2023. Int. Cl. (2025.01) <b>E21D 11/00; E21D 9/00.</b>
2024	<b>S20240360</b>	CHINA RAILWAY SEVENTH BUREAU GROUP XI'AN RAILWAY ENGINEERING CO., LTD, AUTOMATIC MONITORING DEVICE FOR TUNNELS. 01 December 2023. Int. Cl. (2025.01) <b>E21F 17/00.</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.

- 87581** A Latching Full-Length Hollow Shaft Wave Energy Converter for Scalable Conversion and Storage. Int. Cl. (2025.01) **F03B 13/00; E02B 9/00**. BRIAN WALL 13 November 2022 (20220183) [Ireland-13 November 2021]
- S87582** A METHOD FOR SINGLE-END EXCAVATION AND TUNNELING CONSTRUCTION OF SMALL-SECTION OIL PIPE TUNNELS. Int. Cl. (2025.01) **E21D 11/00; E21D 9/00**. WUHAN ENGINEERING CO., LTD OF CHINA RAILWAY SEVENTH GROUP 05 June 2024 (S20240328) [China-19 June 2023]
- S87583** CONCRETE REINFORCEMENT. Int. Cl. (2025.01) **B21D 11/00; B21F 27/00; B21F 3/00; E04B 1/00; E04C 5/00**. STANLEY WIRE LIMITED 08 May 2024 (S20240266) [United Kingdom-16 May 2023]
- S87584** AUTOMATIC MONITORING DEVICE FOR TUNNELS. Int. Cl. (2025.01) **E21F 17/00**. CHINA RAILWAY SEVENTH BUREAU GROUP XI'AN RAILWAY ENGINEERING CO., LTD 20 June 2024 (S20240360) [China-01 December 2023]



## 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. In such cases, it is necessary to file a translation in English and pay the prescribed fee, within six months of the publication date of the grant, in order that the patent may continue to have effect.

### Grants Published in EPO Bulletin No. 01/25, dated 2025-01-01

1897049	Media Cart Holdings, Inc.	28/06/2006	1897049	06774452.4	
2079495	Becton, Dickinson and Company	06/11/2007	2079495	07863971.3	
2240755	Veltek Associates, INC.	05/02/2009	2240755	09708428.9	
2304491	Real View Imaging Ltd.	09/07/2009	2304491	09787464.8	
2483556	Rolls-Royce North American Technologies, Inc.	02/09/2010	2483556	10820931.3	
2501220	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	16/11/2010	2501220	10776744.4	
2503951	Centre for Surgical Invention & Innovation	26/11/2010	2503951	10832462.5	
2663706	Ingersoll Rand Company	10/01/2011	2663706	11855612.5	
2676857	Robert Bosch GmbH	23/04/2013	2676857	13164915.4	German
2684239	Audi AG	11/03/2011	2684239	11861302.5	
2685069	Hitachi Astemo, Ltd.	12/06/2013	2685069	13003013.3	
2697745	Thales Dis France SAS	12/04/2012	2697745	12713994.7	French
2705359	Genetic Microdevices Limited	04/05/2012	2705359	12721337.9	
2724996	Centre d'Etudes et de Recherches de l'Industrie du Beton Manufacture	24/10/2013	2724996	13190122.5	French
2733718	Phoenix Contact GmbH & Co. KG	08/11/2013	2733718	13005266.5	German
2745922	Velico Medical, Inc.	28/10/2011	2745922	14154366.0	
2764073	Sea6 Energy Private Ltd.	04/10/2012	2764073	12787073.1	
2766179	Digital Sensing Limited	12/10/2012	2766179	12840105.6	
2801048	DivX, LLC	07/01/2013	2801048	13733630.1	
2816603	LG Display Co., Ltd.	17/06/2014	2816603	14172653.9	
2817625	Juno Therapeutics GmbH	25/02/2013	2817625	13709791.1	
2850021	Ashworth Bros., Inc.	14/05/2013	2850021	13790441.3	
2856403	Calò, Incoronata Bisceglie, Pasquale, Maria	23/05/2013	2856403	13745473.2	
2858688	S.C. Johnson & Son, Inc.	12/06/2013	2858688	13735480.9	
2866647	Creavo Medical Technologies Limited	01/07/2013	2866647	13734823.1	
2866920	CTT Systems AB	01/07/2013	2866920	13771644.5	
2889497	Monahan Products, LLC	27/11/2014	2889497	14195248.1	
2932324	Cisco Technology, Inc.	20/11/2013	2932324	13802491.4	
2940466	Sensirion AG	29/07/2014	2940466	14002639.4	
2967123	Altria Client Services LLC	14/03/2014	2967123	14716186.3	
2969657	Liquid Robotics, Inc.	17/03/2014	2969657	14765538.5	
2970357	Idenix Pharmaceuticals LLC	13/03/2014	2970357	14721626.1	
	Centre National de la Recherche Scientifique (C.N.R.S.) UNIVERSITE DE MONTPELLIER				
2973740	Merlin Solar Technologies, Inc.	10/03/2014	2973740	14775427.9	
3016264	Beijing Institute of Nanoenergy and Nanosystems	22/01/2014	3016264	14817173.9	
3018428	Robert Bosch GmbH	04/09/2015	3018428	15183861.2	German
3022346	DYLCO	10/07/2014	3022346	14747089.2	French
3031047	Movidius Limited	06/08/2014	3031047	14815431.3	
3037197	Mitsubishi Materials Corporation	20/08/2014	3037197	14838711.1	

3039405	National University of Singapore Centre National de la Recherche Scientifique	27/08/2014	3039405	14841093.9	
3053069	TotalEnergies OneTech	01/10/2014	3053069	14824522.8	
3059804	Furukawa Automotive Systems Inc. Furukawa Electric Co., Ltd.	15/10/2014	3059804	14853429.0	
3066505	Cisco Technology, Inc.	05/11/2014	3066505	14864987.4	
3071095	The George Washington University	20/11/2014	3071095	14863423.1	
3079887	Aesculap AG	11/11/2014	3079887	14795837.5	German
3087352	Xsens AS	29/12/2014	3087352	14838896.0	
3091940	Catalyst OrthoScience Inc.	09/01/2015	3091940	15735417.6	
3097939	B. Braun Melsungen AG	02/11/2007	3097939	16161892.1	
3099499	Ceraloc Innovation AB	30/01/2015	3099499	15743181.8	
3099648	Sika Technology AG	28/01/2015	3099648	15704475.1	
3099780	Danstar Ferment AG Institut national de recherche pour l'agriculture, l'alimentation et l'environnement	30/01/2015	3099780	15702250.0	
3110949	OY MEDIX BIOCHEMICA AB Dentagnostics GmbH	27/02/2015	3110949	15756044.2	
3116590	Fresenius Medical Care Deutschland GmbH	13/03/2015	3116590	15709934.2	German
3121313	International Paper Company	21/07/2016	3121313	16180654.2	
3128821	Fujitsu Ten Limited	19/02/2015	3128821	15773955.8	
3132972	SMP Deutschland GmbH	20/08/2015	3132972	15181725.1	German
3135127	Royal Duyvis Wiener B.V.	14/11/2013	3135127	16190926.2	
3137275	Etancheite et Frottement J. Massot	10/04/2015	3137275	15719419.2	French
3139230	Liebherr-Verzahntechnik GmbH	14/05/2016	3139230	16169745.3	German
3139693	QUALCOMM Incorporated	07/03/2014	3139693	16195759.2	
3139909	Yale University	11/05/2015	3139909	15789794.3	
3141055	Apple Inc.	10/04/2015	3141055	15789781.0	
3154734	The Gleason Works	09/06/2015	3154734	15794994.2	
3157102	Intel Corporation	08/09/2011	3157102	16199809.1	
3157423	The Regents of the University of California	19/06/2015	3157423	15809240.3	
3159567	NTN Corporation	20/05/2015	3159567	15810262.4	
3160741	Dow Global Technologies LLC	26/06/2015	3160741	15742148.8	
3164078	Centre National de la Recherche Scientifique (C.N.R.S.) INSERM - Institut National de la Santé et de la Recherche Médicale Université Pierre et Marie Curie (Paris 6) Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris Université Paris Cité	29/06/2015	3164078	15736571.9	French
3165996	Samsung Electronics Co., Ltd.	03/11/2016	3165996	16197180.9	
3166191	Tyco Electronics UK Ltd.	04/11/2015	3166191	15193039.3	
3166380	Osmundson Mfg.Co.	02/07/2015	3166380	15818751.8	
3173393	General Electric Company	24/11/2016	3173393	16200454.3	
3173957	Fenwal, Inc.	23/11/2016	3173957	16002492.3	
3174800	Knauf Insulation SPRL	08/07/2015	3174800	15735700.5	
3175180	ARTUS AIR LIMITED	31/07/2015	3175180	15747206.9	
3180746	Ecolab USA Inc.	04/08/2015	3180746	15831632.3	
3181995	LG Innotek Co., Ltd.	28/11/2016	3181995	16200958.3	
3182942	Hibobi Pty Ltd.	21/08/2015	3182942	15834427.5	
3184036	Biosense Webster (Israel) Ltd.	21/12/2016	3184036	16205734.3	
3185087	Harry Winston SA	15/11/2013	3185087	17151091.0	French
3185088	Harry Winston SA	15/11/2013	3185088	17151092.8	French
3187899	The Boeing Company	10/10/2016	3187899	16193046.6	
3192460	Covidien LP	15/03/2013	3192460	17158323.0	
3195625	DRNC Holdings, Inc.	17/09/2015	3195625	15845527.9	
3196272	Fujimi Incorporated	10/09/2015	3196272	15842947.2	
3196797	Huawei Technologies Co., Ltd.	06/08/2015	3196797	15859659.3	
3197552	L'OREAL	25/08/2015	3197552	15845277.1	

3200461	Samsung Electronics Co., Ltd.	02/11/2015	3200461	15855245.5	
3200725	Smarteck I LLC	05/10/2015	3200725	15846415.6	
3204882	Life Technologies Corporation	09/10/2015	3204882	15848233.1	
3204976	Battelle Memorial Institute	05/10/2015	3204976	15849294.2	
3205727	King-Prebiotics Biotechnology (TW) Co., Ltd.	09/01/2017	3205727	17150672.8	
3208978	Telefonaktiebolaget LM Ericsson (publ)	09/11/2012	3208978	17164495.8	
3211129	GINKIO	15/02/2017	3211129	17156190.5	French
3215319	ABB Schweiz AG	07/11/2014	3215319	14905627.7	
3215454	IP Evolution SA	06/11/2015	3215454	15798236.4	French
3216886	Nippon Steel Corporation	05/11/2015	3216886	15857390.7	
3216927	Volvo Construction Equipment AB	05/11/2014	3216927	14905308.4	
3217409	Essex Furukawa Magnet Wire Japan Co., Ltd.	04/11/2015	3217409	15857411.1	
3219291	SUNSTAR INC.	06/11/2015	3219291	15859600.7	
3220242	Kunshan New Flat Panel Display Technology Center Co. Ltd Kunshan Go-Visionox Opto-Electronics Co., Ltd.	12/11/2015	3220242	15858817.8	
3221461	The Board of Trustees of the Leland Stanford Junior University	16/11/2015	3221461	15861129.3	
3240491	Gyrus ACMI, Inc. (D.B.A. Olympus Surgical Technologies America)	24/11/2015	3240491	15805068.2	
3243236	CPS Technology Holdings LLC	10/11/2015	3243236	15805656.4	
3250840	ITT Manufacturing Enterprises LLC	26/01/2016	3250840	16705868.4	
3256233	Arizona Board of Regents on behalf of Arizona State University	20/11/2015	3256233	15825979.6	
3259227	SI-Ware Systems	19/02/2016	3259227	16709197.4	
3259804	Samsung Electronics Co., Ltd.	22/09/2016	3259804	16862287.6	
3262977	Albéa Services	08/06/2017	3262977	17175076.3	French
3268088	L'OREAL	14/03/2016	3268088	16711188.9	
3274295	Asbury Graphite of North Carolina, Inc.	18/03/2016	3274295	16769452.0	
3274451	Archer Daniels Midland Company	25/03/2016	3274451	16773840.0	
3277374	ZOLL Medical Corporation	29/03/2016	3277374	16774019.0	
3280016	Mitsubishi Electric Corporation	02/04/2015	3280016	15887642.5	
3280204	NTT DOCOMO, Inc.	31/03/2016	3280204	16773110.8	
3281403	Scope Technologies US Inc.	05/04/2016	3281403	16777128.6	
3289390	Baker Hughes Holdings LLC	27/04/2016	3289390	16787021.1	
3290571	Diehl AKO Stiftung & Co. KG	21/07/2017	3290571	17001251.2	
3297596	Fresenius Kabi Deutschland GmbH	23/05/2016	3297596	16727339.0	German
3302111	Barnes, Kristen, Elizabeth Plante, Alexandra, Carmela Dandapure, Yogendra, V. Dixon, Laura, Renee Lululemon Athletica Canada Inc.	03/06/2016	3302111	16804597.9	
3305406	JGC Catalysts And Chemicals Ltd.	07/04/2016	3305406	16799690.9	
3311046	EagleBurgmann Germany GmbH & Co. KG	22/03/2016	3311046	16711810.8	German
3313501	Sartorius Stedim Biotech GmbH	29/06/2016	3313501	16734614.7	German
3313700	Cummins, Inc.	29/06/2015	3313700	15897311.5	
3320062	Castrol Limited	07/07/2016	3320062	16736857.0	
3320283	ExxonMobil Technology and Engineering Company	14/06/2016	3320283	16732155.3	
3324627	Gensquare LLC	02/11/2012	3324627	18150753.4	
3326774	Adidas AG	17/11/2017	3326774	17202241.0	
3328537	SOL S.p.A.	29/07/2016	3328537	16763574.7	
3330877	Malikie Innovations Limited	23/11/2017	3330877	17203285.6	
3331016	LG Display Co., Ltd.	29/11/2017	3331016	17204336.6	
3331021	Samsung Display Co., Ltd.	30/11/2017	3331021	17204548.6	
3331975	TotalEnergies OneTech	03/08/2016	3331975	16745760.5	French
3333841	Samsung Electronics Co., Ltd.	16/11/2015	3333841	15908839.2	
3334550	Iscar Ltd.	21/07/2016	3334550	16757734.5	

3335420	Google LLC	30/11/2016	3335420	16873617.1	
3335828	Panasonic Intellectual Property Management Co., Ltd.	13/11/2017	3335828	17201231.2	
3336898	LG Display Co., Ltd.	24/10/2017	3336898	17198159.0	
3337777	SPOLCHEMIE Zebra, a.s.	16/08/2016	3337777	16767132.0	
3339467	RTX Corporation	03/11/2017	3339467	17199941.0	
3339860	Astute Medical, Inc.	23/06/2011	3339860	18151593.3	
3340807	PureCircle Sdn Bhd	29/08/2016	3340807	16840252.7	
3342640	The Coca-Cola Company				
3342640	Valeo Vision	18/12/2017	3342640	17208031.9	French
3342671	Hyundai Motor Company	03/11/2017	3342671	17199933.7	
	Kia Corporation				
3345025	LEIA Inc.	31/03/2016	3345025	16842449.7	
3345965	Avanzare Innovacion Tecnologica S.L.	24/08/2016	3345965	16840872.2	
3347586	ElringKlinger AG	06/09/2016	3347586	16763241.3	German
3354996	Trane International Inc.	26/01/2018	3354996	18153581.6	
3358325	Hitachi Astemo, Ltd.	29/07/2016	3358325	16850848.9	
3358391	Huanic Corporation	30/09/2016	3358391	16850393.6	
	Sun, Jianhua				
3359290	BASF SE	04/10/2016	3359290	16775726.9	German
3359939	3M Innovative Properties Company	05/10/2016	3359939	16784345.7	
3360084	Google LLC	11/11/2016	3360084	16809576.8	
3364754	Intervet International B.V.	21/10/2016	3364754	16785148.4	
3364848	Illinois Tool Works Inc.	20/10/2016	3364848	16791186.6	
3365228	BAE Systems PLC	18/10/2016	3365228	16787519.4	
3365424	Emulate, Inc.	19/10/2016	3365424	16858141.1	
	Cedars-Sinai Medical Center				
3370857	Commissariat à l'Energie Atomique et aux Energies Alternatives	03/11/2016	3370857	16791567.7	French
3371211	Icahn School of Medicine at Mount Sinai	03/11/2016	3371211	16862973.1	
3371236	Lubrizol Advanced Materials, Inc.	01/11/2016	3371236	16794189.7	
3371833	CSEM Centre Suisse d'Electronique et de Microtechnique SA - Recherche et Développement	01/11/2016	3371833	16788549.0	
3371891	Adtran, Inc.	04/11/2016	3371891	16863061.4	
3373251	Trimble Inc.	07/03/2018	3373251	18305240.6	
3373851	Targan Inc.	11/11/2016	3373851	16865090.1	
3374599	Baker Hughes Holdings LLC	09/11/2016	3374599	16864941.6	
3375396	Biosense Webster (Israel) Ltd.	13/03/2018	3375396	18161397.7	
3377882	Hospices Civils De Lyon	15/11/2016	3377882	16795352.0	French
3378090	Micromass UK Limited	16/11/2016	3378090	16866997.6	
	Leco Corporation				
3378557	Mitsui Mining and Smelting Co., Ltd.	15/11/2016	3378557	16866309.4	
3380187	Phagenesis Limited	22/11/2016	3380187	16804849.4	
3381170	Sonatype, Inc.	10/11/2016	3381170	16869061.8	
3381448	TBM Company	28/10/2016	3381448	16868801.8	
	Good Thinking Co.				
3381623	Seiko Epson Corporation	29/03/2018	3381623	18164961.7	
3382769	BOE Technology Group Co., Ltd.	25/11/2016	3382769	16868030.4	
3384202	Engineered Controls International, LLC	02/12/2016	3384202	16816542.1	
3385986	Samsung Display Co., Ltd.	30/01/2018	3385986	18154285.3	
3387995	Hyundai Motor Company	13/11/2017	3387995	17201278.3	
	Kia Corporation				
3388917	Infineon Technologies Austria AG	27/03/2018	3388917	18164350.3	
3391767	adidas AG	17/01/2013	3391767	18170615.1	
3391812	Ascensia Diabetes Care Holdings AG	22/01/2008	3391812	18170540.1	
3402890	SQZ Biotechnologies Company	11/01/2017	3402890	17704337.9	
3404508	Huawei Technologies Co., Ltd.	22/01/2017	3404508	17743697.9	
3404992	NTT DOCOMO, INC.	25/01/2017	3404992	17744219.1	
3405810	Robert Bosch GmbH	02/01/2017	3405810	17700150.0	German
3406759	RTX Corporation	14/05/2018	3406759	18172003.8	
3414047	DAREX, LLC	10/02/2017	3414047	17750884.3	

3416915	ExxonMobil Technology and Engineering Company	18/01/2017	3416915	17704353.6	
3419980	The Board of Trustees of the Leland Stanford Junior University The Regents of the University of California	24/02/2017	3419980	17757378.9	
3420414	Real View Imaging Ltd.	22/02/2017	3420414	17712554.9	
3420588	INTEL Corporation	26/02/2016	3420588	16891846.4	
3422151	Nokia Technologies Oy	30/06/2017	3422151	17179022.3	
3422580	Analog Devices, Inc.	19/06/2018	3422580	18178638.5	
3422859	The Hillshire Brands Company	06/05/2016	3422859	16892905.7	
3423763	Vertiv S.r.l.	28/02/2017	3423763	17709021.4	German
3429454	Alcon Inc.	27/04/2017	3429454	17723763.3	
3430242	Safran Aircraft Engines	15/03/2017	3430242	17714869.9	French
3432580	Gensquare LLC	07/11/2012	3432580	18193714.5	
3437140	BOE Technology Group Co., Ltd.	25/11/2016	3437140	16869379.4	
3439315	Kyocera Corporation	28/03/2017	3439315	17775001.5	
3441814	Seed Co., Ltd. Toray Industries, Inc.	03/04/2017	3441814	17779083.9	
3442038	Stanley Electric Co., Ltd.	07/04/2017	3442038	17779237.1	
3445098	QUALCOMM Incorporated	30/10/2015	3445098	18198692.8	
3449848	The Cleveland Clinic Foundation	27/10/2011	3449848	18155892.5	
3450062	Sumitomo Electric Hardmetal Corp.	31/01/2017	3450062	17788983.9	
3451021	Hexagon Technology Center GmbH	30/08/2017	3451021	17188481.0	German
3451244	Robert Bosch GmbH	30/08/2017	3451244	17188475.2	
3451725	ZTE Corporation	14/04/2017	3451725	17788655.3	
3452131	Smith & Nephew plc	03/05/2017	3452131	17721366.7	
3455240	Cytiva BioProcess R&D AB	10/05/2017	3455240	17725895.1	
3455795	Microsoft Technology Licensing, LLC	06/05/2017	3455795	17723910.0	
3456862	Hoden Seimitsu Kako Kenkyusho Co., Ltd.	28/04/2017	3456862	17796013.5	
3457884	Fontaine, Fabien Philippe	30/05/2018	3457884	18728360.1	
3458326	ZF Friedrichshafen AG ZF Active Safety GmbH	27/04/2017	3458326	17721995.3	German
3462953	Nike Innovate C.V.	30/05/2017	3462953	17728033.6	
3463230	Mayo Foundation for Medical Education and Research	02/06/2017	3463230	17810752.0	
3463430	Janssen Biotech, Inc.	01/06/2017	3463430	17807478.7	
3464733	SEATRIUM (SG) PTE. LTD.	25/05/2017	3464733	17803178.7	
3465247	Shanghai United Imaging Healthcare Co., Ltd.	31/05/2016	3465247	16815528.1	
3466338	Tata Consultancy Services Limited	01/10/2018	3466338	18197933.7	
3467604	Textron Innovations Inc.	23/11/2017	3467604	17203240.1	
3467787	Rakuten Group, Inc.	27/05/2016	3467787	16901164.0	
3468286	ZTE Corporation	18/08/2016	3468286	16903751.2	
3468590	The United States of America, as represented by the Secretary, Department of Health and Human Services	09/06/2017	3468590	17733670.8	
3470063	Vertex Pharmaceuticals Incorporated	01/11/2013	3470063	18192504.1	
3470212	MARELLI AUTOMOTIVE LIGHTING ITALY S.p.A.	10/10/2018	3470212	18199621.6	
3471496	LG Electronics Inc.	03/05/2018	3471496	18793764.4	
3471635	Orthospin Ltd.	19/06/2017	3471635	17814892.0	
3472847	Siemens Energy Global GmbH & Co. KG	18/07/2017	3472847	17748661.0	German
3473678	Sumitomo Chemical Co., Ltd.	13/06/2017	3473678	17813314.6	
3474104	CRRC Qingdao Sifang Co., Ltd.	10/11/2017	3474104	17870514.1	
3476328	Ethicon LLC	30/10/2018	3476328	18203346.4	
3476862	E&S Healthcare Co., Ltd.	13/06/2017	3476862	17813568.7	
3477016	Proll, Markus Claudius	24/10/2018	3477016	18202414.1	German
3478265	Philip Morris Products S.A.	21/06/2017	3478265	17734491.8	
3480592	LG Energy Solution, Ltd.	30/01/2018	3480592	18751271.0	
3481925	The Gillette Company LLC	07/07/2017	3481925	17740254.2	
3482641	British American Tobacco Sweden AB	02/04/2015	3482641	18200200.6	
3482975	CLAAS Industrietechnik GmbH	22/10/2018	3482975	18201677.4	German

3483433	General Electric Renovables España, S.L.	01/11/2018	3483433	18203923.0	
3483802	The Boeing Company	13/11/2017	3483802	17382762.7	
3483842	Bundesdruckerei GmbH	05/11/2018	3483842	18204291.1	German
3485223	Erange Corporation	17/07/2017	3485223	17830573.6	
3486454	Hamilton Sundstrand Corporation	20/11/2018	3486454	18207303.1	
3488182	Mura Inc.	20/07/2017	3488182	17831912.5	
3489899	Isuzu Motors Limited	20/07/2017	3489899	17831115.5	
3490346	Quanta Computer Inc.	25/04/2018	3490346	18169206.2	
3491240	Siemens Gamesa Renewable Energy A/S	04/08/2017	3491240	17752067.3	
3493217	Tata Consultancy Services Limited	27/11/2018	3493217	18208427.7	
3495837	Thales	19/11/2018	3495837	18206958.3	French
3495940	Vestel Elektronik Sanayi ve Ticaret A.S.	07/12/2017	3495940	17206015.4	
3496611	Koninklijke Philips N.V.	07/08/2017	3496611	17751076.5	
3497188	The University of Newcastle	04/08/2017	3497188	17838207.3	
3497354	Davis, Edward P	07/08/2017	3497354	17840098.2	
3499513	Nokia Technologies Oy	15/12/2017	3499513	17207764.6	
3504492	Chromalox, Inc.	23/08/2017	3504492	17761708.1	
3511838	Casio Computer Co., Ltd.	11/01/2019	3511838	19151504.8	
3512407	Alcon Inc.	05/09/2017	3512407	17777962.6	
3512477	The Regents of The University of Michigan	15/09/2017	3512477	17851577.1	
3513629	Tridonic GmbH & Co KG	10/11/2017	3513629	17800806.6	German
3514853	LG Energy Solution, Ltd.	19/07/2018	3514853	18841460.1	
3515179	Desert King Chile S.A.	26/09/2016	3515179	16916997.6	
3516171	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	19/09/2017	3516171	17769061.7	German
3521536	Picot	31/01/2019	3521536	19154668.8	French
3525367	Juniper Networks, Inc.	30/11/2018	3525367	18209369.0	
3526538	1065210 B.C. Ltd.	13/10/2017	3526538	17859853.8	
3526669	QCIC Limited	12/10/2017	3526669	17787563.0	
3528106	CANON KABUSHIKI KAISHA	18/01/2019	3528106	19152552.6	
3528792	Dukebox SP. Z O.O.	20/10/2016	3528792	16798827.8	
3529784	Beijing Qisheng Science and Technology Co., Ltd.	09/11/2017	3529784	17872954.7	
3531163	MBDA Deutschland GmbH	31/01/2019	3531163	19154701.7	German
3531530	China Tobacco Yunnan Industrial Co., Ltd	17/10/2017	3531530	17863070.3	
3531593	Huawei Technologies Co., Ltd.	31/07/2017	3531593	17867030.3	
3534717	Marel, Inc.	03/11/2017	3534717	17800679.7	
3534933	Aximmune, Inc. Colorado State University Research Foundation	03/11/2017	3534933	17867007.1	
3534970	Claranor	07/11/2017	3534970	17803823.8	French
3535014	Boston Scientific Scimed, Inc.	03/11/2017	3535014	17808652.6	
3535575	Car-O-Liner Group AB	01/11/2017	3535575	17791703.6	
3535577	Wyatt Technology, LLC	01/11/2017	3535577	17867254.9	
3536825	Power Resources Group Ltd	10/05/2013	3536825	19152905.6	
3536838	Murata Manufacturing Co., Ltd.	26/10/2017	3536838	17866635.0	
3537758	Samsung Electronics Co., Ltd.	08/11/2018	3537758	18875806.4	
3538009	Boston Scientific Scimed, Inc.	09/11/2017	3538009	17817322.5	
3538168	The United States of America, as represented by The Secretary, Department of Health and Human Services	08/11/2017	3538168	17801270.4	
3538720	Unilin, BV	03/11/2017	3538720	17805266.8	
3538721	Unilin, BV	03/11/2017	3538721	17805267.6	
3540112	LG Electronics Inc.	09/11/2017	3540112	17868982.4	
3541094	Harman International Industries, Incorporated	14/03/2019	3541094	19162852.8	
3541139	Sharp Kabushiki Kaisha FG Innovation Company Limited	08/11/2017	3541139	17869577.1	
3541480	Viking Life-Saving Equipment A/S	16/11/2017	3541480	17800384.4	
3541616	Coveris Flexibles Angouleme France	16/11/2017	3541616	17811998.8	French
3541802	Amgen Inc.	03/11/2017	3541802	17797841.8	
3542160	Ichor, LLC.	15/11/2017	3542160	17872327.6	

3542274	Veritas Technologies LLC	17/11/2017	3542274	17817393.6	
3542544	Eaton Intelligent Power Limited	15/11/2017	3542544	17811351.0	
3543685	Tokyo Electric Power Company Holdings, Incorporated	18/11/2016	3543685	16921554.8	
3544444	Roquette Frères	24/11/2017	3544444	17812025.9	French
3544492	General Electric Company	22/11/2017	3544492	17874081.7	
3544498	General Electric Company	22/11/2017	3544498	17874088.2	
3546395	Shibuya Corporation	29/03/2019	3546395	19166123.0	
3547817	Briggs & Stratton, LLC	29/11/2017	3547817	17876603.6	
3548649	Oxi-Tech Solutions Limited	28/11/2017	3548649	17842329.9	
3549148	Fastcap Systems Corporation	01/12/2017	3549148	17876365.2	
3550030	TOYOBO CO., LTD.	30/11/2017	3550030	17875135.0	
3550538	Pioneer Corporation	28/11/2017	3550538	17876137.5	
3550731	STMicroelectronics Austria GmbH	03/04/2018	3550731	18165496.3	
3553087	The Board of Trustees of the Leland Stanford Junior University	08/01/2015	3553087	19163809.7	
3553849	LG Energy Solution, Ltd.	08/11/2018	3553849	18875904.7	
3555467	Vestas Wind Systems A/S	17/11/2017	3555467	17804058.0	
3557349	Fuji Corporation	14/12/2016	3557349	16924132.0	
3559372	Davinci Italia/USA Group, LLC	12/12/2017	3559372	17893366.9	
3563136	Ford Otomotiv Sanayi Anonim Sirketi	27/12/2017	3563136	17840508.0	
3564198	Tungshu Group Co., Ltd.	10/08/2017	3564198	17887110.9	
3564801	Samsung Display Co., Ltd.	24/04/2019	3564801	19170792.6	
3567378	Dr. Plant, Daniel	07/05/2019	3567378	19172894.8	
3567627	Infineon Technologies AG	08/05/2019	3567627	19173315.3	
3568441	BSH Hausgeräte GmbH	10/01/2018	3568441	18701119.2	German
3568492	President and Fellows of Harvard College	09/01/2018	3568492	18739031.5	
3568569	Halliburton Energy Services, Inc.	10/01/2017	3568569	17891333.1	
3570794	The General Hospital Corporation	19/01/2018	3570794	18742121.9	
3571649	Google LLC	16/10/2017	3571649	17794470.9	
3574153	Rheem Manufacturing Company	30/01/2018	3574153	18744924.4	
3575171	Arriver Software AB	28/05/2018	3575171	18174473.1	
3578352	Valmet Engraving Solutions S.R.L.	04/06/2019	3578352	19178018.8	
3578482	Laitram, L.L.C.	07/05/2015	3578482	19188042.6	
3578483	KRONES AG	05/06/2019	3578483	19178399.2	German
3578880	Tridonic GmbH & Co KG Zumtobel Lighting GmbH	23/05/2019	3578880	19176075.0	German
3579713	Ansell Limited	09/02/2018	3579713	18751082.1	
3582065	Samsung Electronics Co., Ltd.	27/03/2018	3582065	18775518.6	
3582105	Glory Ltd.	12/01/2018	3582105	18751958.2	
3582314	LG Energy Solution, Ltd.	08/11/2018	3582314	18891718.1	
3584026	Klingelberg GmbH	20/06/2018	3584026	18178813.4	German
3584474	Walker Filtration Ltd	04/06/2015	3584474	19190542.1	
3585471	C. R. Bard, Inc.	01/03/2017	3585471	17898852.3	
3585745	Guardian Glass, LLC	21/02/2018	3585745	18708833.1	
3586011	Minetek Investments Pty Ltd	22/02/2018	3586011	18758161.6	
3586728	Mayo Foundation for Medical Education and Research	01/07/2014	3586728	19191002.5	
3592480	thyssenkrupp Automotive Body Solutions GmbH thyssenkrupp AG	07/03/2018	3592480	18710417.9	German
3593644	Glico Nutrition Co., Ltd.	06/03/2018	3593644	18763481.1	
3594405	Herbert Kannegiesser GmbH	09/07/2019	3594405	19185331.6	German
3594988	ICT Integrated Circuit Testing Gesellschaft für Halbleiterprüftechnik mbH	01/07/2019	3594988	19183682.4	
3595895	Corning Incorporated	06/07/2018	3595895	18753478.9	
3596443	ABB Schweiz AG	13/03/2018	3596443	18767035.1	
3596902	Cylance Inc.	26/02/2018	3596902	18767157.3	
3600103	Magneto Thrombectomy Solutions Ltd.	15/03/2018	3600103	18772459.6	

3600336	Beghin Meiji Institut national de recherche pour l'agriculture, l'alimentation et l'environnement	30/03/2018	3600336	18722117.1	French
3601517	GEA Mechanical Equipment GmbH	22/03/2018	3601517	18713858.1	German
3602298	Google LLC	20/11/2018	3602298	18816396.8	
3603296	Motorola Mobility LLC	24/03/2017	3603296	17901851.0	
3603829	Tokuyama Corporation	19/03/2018	3603829	18775589.7	
3604502	Tokyo Metropolitan Institute of Medical Science	27/03/2018	3604502	18777990.5	
3605468	CANON KABUSHIKI KAISHA	09/07/2019	3605468	19185195.5	German
3605834	Mitsubishi Electric Corporation	30/03/2017	3605834	17903924.3	
3606648	MANN+HUMMEL GmbH	06/04/2018	3606648	18723710.2	
3607133	Red Carpet S.r.l.	26/03/2018	3607133	18723594.0	
3608231	Aurora Flight Sciences Corporation	09/08/2019	3608231	19191058.7	
3608444	Kaneka Corporation Toagosei Co., Ltd.	19/03/2018	3608444	18776655.5	
3609579	Ministry Of Health, State Of Israel Sami Shamoon College Of Engineering Tel HaShomer Medical Research Infrastructure and Services Ltd.	28/03/2018	3609579	18778159.6	
3610354	Wiliot, Ltd.	11/07/2018	3610354	18832227.5	
3612914	Akonio Holographics, LLC	16/04/2018	3612914	18723623.7	German
3613336	Nokia Technologies Oy	22/08/2018	3613336	18190191.9	
3614440	Samsung Electronics Co., Ltd.	20/08/2019	3614440	19192485.1	
3614943	Medtronic Cryocath LP	16/03/2018	3614943	18790978.3	
3615982	Microsoft Technology Licensing, LLC	04/04/2018	3615982	18719394.1	
3617167	AGC INC.	14/05/2019	3617167	19803348.2	
3617680	SIKA Dr.Siebert & Kühn GmbH & Co. KG.	13/05/2019	3617680	19174119.8	
3618036	Huawei Technologies Co., Ltd.	05/05/2017	3618036	17908494.2	
3619911	ndustrial.io, Inc.	03/05/2018	3619911	18794830.2	
3619939	Nokia Technologies Oy	03/05/2018	3619939	18794188.5	
3620840	Sorbonne Université CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE Ecole Normale Supérieure de Paris	05/09/2018	3620840	18306171.2	
3621519	Boston Scientific Scimed Inc.	09/05/2018	3621519	18729849.2	
3621558	Zimmer, Inc.	04/05/2018	3621558	18726670.5	
3621761	Honey, Graham Richard Honey, David John Stronge, Nathan Samuel	10/05/2018	3621761	18799026.2	
3621917	Coravin, Inc.	09/05/2018	3621917	18727574.8	
3622488	Webasto SE	04/05/2018	3622488	18723458.8	
3622572	Clarios Germany GmbH & Co. KG	11/05/2018	3622572	18724227.6	
3624598	Firmenich SA	15/05/2018	3624598	18723538.7	
3627163	AEM Singapore PTE Ltd	19/09/2019	3627163	19198326.1	
3627171	Allegro MicroSystems, LLC	31/05/2019	3627171	19177769.7	
3628016	Quinn, Michael V. Gorshkov, Alexander Cronenberg, Richard Alden, Tor Boyer, Robert	01/05/2018	3628016	18726286.0	
3628641	LG CHEM, LTD.	27/11/2018	3628641	18896593.3	German
3628953	Dürr Systems AG	12/10/2016	3628953	19210931.2	
3630435	Safran Nacelles	18/05/2018	3630435	18735636.5	French
3630955	Katholieke Universiteit Leuven	30/05/2018	3630955	18742930.3	German
3631361	California Institute of Technology	30/05/2018	3631361	18810298.2	
3632006	Procomm International Pte. Ltd.	30/05/2018	3632006	18728154.8	
3633111	VonRoll infratec (holding) ag	02/10/2018	3633111	18198217.4	
3633356	The Boeing Company	10/09/2019	3633356	19196436.0	
3633687	Graphenide Technology Co., Ltd.	24/05/2018	3633687	18805568.5	



3635439	Baker Hughes Oilfield Operations, LLC	05/06/2018	3635439	18813592.5	
3635865	Anlotek Limited	24/05/2018	3635865	18729210.7	
3636309	ResMed Pty Ltd	28/05/2010	3636309	19191419.1	
3637050	Samsung Electronics Co., Ltd.	21/09/2010	3637050	19206727.0	
3637155	Leuze electronic GmbH + Co. KG	08/08/2019	3637155	19190638.7	German
3637169	Samsung Electronics Co., Ltd.	11/07/2018	3637169	18857633.4	
3637182	Shenzhen China Star Optoelectronics Semiconductor Display Technology Co., Ltd.	02/11/2017	3637182	17912741.0	
3638144	KUKA Deutschland GmbH	30/05/2018	3638144	18728357.7	German
3638987	Cytochip Inc.	12/06/2018	3638987	18817543.4	
3639084	Amo Groningen B.V.	27/06/2018	3639084	18735263.8	
3639302	Microsoft Technology Licensing, LLC	30/11/2017	3639302	17808439.8	
3640724	InnoLux Corporation	09/10/2019	3640724	19202270.5	
3641045	LG Energy Solution, Ltd.	20/11/2018	3641045	18881382.8	
3641764	Medivis S.r.l.	20/06/2018	3641764	18738000.1	
3642106	Fliteboard Pty Ltd	28/11/2018	3642106	18882953.5	
3643299	Shenzhen China Resources Jiuchuang Medical and Pharmaceutical Co., Ltd	15/09/2017	3643299	17915174.1	
3644077	LG Energy Solution, Ltd.	20/11/2018	3644077	18888840.8	
3644289	Toshiba Tec Kabushiki Kaisha	20/09/2019	3644289	19198670.2	
3644347	Wuhan China Star Optoelectronics Semiconductor Display Technology Co., Ltd.	18/08/2017	3644347	17915196.4	
3644904	Ohio State Innovation Foundation Dasi, Lakshmi Prasad Koupaei, Atieh Yousefi Heitkemper, Megan Kristine	29/06/2018	3644904	18824870.2	
3645208	Arconic Technologies LLC	27/06/2018	3645208	18824162.4	
3646955	The Boeing Company	03/09/2019	3646955	19195013.8	
3647882	The Swatch Group Research and Development Ltd	01/11/2018	3647882	18203985.9	French
3647883	CSEM Centre Suisse d'Electronique et de Microtechnique SA	05/11/2018	3647883	18204358.8	French
3648105	Shenzhen TCL New Technology Co., LTD	15/11/2017	3648105	17915878.7	
3649576	Niantic, Inc.	07/07/2018	3649576	18828384.0	
3649919	Ivoclar Vivadent AG	12/11/2018	3649919	18205618.4	German
3650067	Collins, John R.	11/03/2014	3650067	19195443.7	
3650355	Bombardier Inc.	05/11/2019	3650355	19207070.4	
3650397	Manitowoc Crane Companies, LLC	07/11/2019	3650397	19207783.2	
3650463	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	09/01/2014	3650463	19201376.1	
3650473	LG Chem, Ltd.	08/11/2018	3650473	18876898.0	
3650684	General Electric Renovables España, S.L.	06/11/2019	3650684	19207448.2	
3650933	SMR Patents S.à.r.l.	01/11/2019	3650933	19206767.6	
3651191	Fujikura Ltd.	17/05/2018	3651191	18828496.2	
3651506	ASUSTek Computer Inc.	05/11/2019	3651506	19207025.8	
3651720	Boehringer Ingelheim Vetmedica GmbH	09/07/2018	3651720	18742960.0	
3653190	Vandor Corporation	14/11/2019	3653190	19209143.7	
3653504	Goodrich Corporation	14/11/2019	3653504	19209147.8	
3653957	LG Electronics Inc.	15/11/2019	3653957	19209331.8	
3654247	IMEC vzw	15/11/2018	3654247	18206621.7	
3654360	JEOL Ltd.	15/11/2019	3654360	19209394.6	
3654616	The Nielsen Company (US), LLC	16/08/2011	3654616	19219860.4	
3654703	MEDIATEK INC.	18/11/2019	3654703	19209781.4	
3655355	Symbotic Canada, ULC	17/07/2018	3655355	18835273.6	
3656849	The Regents of the University of California	14/03/2014	3656849	19210467.7	
3656985	RTX Corporation	20/11/2019	3656985	19210456.0	
3657550	LG Display Co., Ltd.	07/11/2019	3657550	19207601.6	
3657915	AT&S (Chongqing) Company Limited At&S (China) Co., Ltd.	15/11/2019	3657915	19209423.3	
3658654	Chemtool Incorporated	24/07/2018	3658654	18752392.3	
3659354	T-Mobile USA, Inc.	04/09/2018	3659354	18854820.0	

3659548	Ivoclar Vivadent AG	29/11/2018	3659548	18209308.8	German
3660368	Hamilton Sundstrand Corporation	27/11/2018	3660368	18461634.0	
3660493	General Electric Company	31/10/2019	3660493	19206684.3	
3660504	Thermo Fisher Scientific (Bremen) GmbH	30/11/2018	3660504	18209531.5	
3660538	STMicroelectronics (Research & Development) Limited	27/11/2018	3660538	18208689.2	
3660956	LG Energy Solution, Ltd.	11/10/2018	3660956	18869253.7	
3661579	Light Line Medical, Inc.	04/08/2017	3661579	17919920.3	
3662861	Intuitive Surgical Operations, Inc.	17/03/2015	3662861	20154737.9	
3662901	Tillotts Pharma AG	07/12/2018	3662901	18211152.6	
3663158	Bode - Die Tür GmbH	15/11/2019	3663158	19209542.0	German
3663753	NEC Corporation	30/03/2018	3663753	18775515.2	
3663804	HERE Global B.V.	05/12/2019	3663804	19213902.0	
3664152	LG Display Co., Ltd.	29/11/2019	3664152	19212527.6	
3664501	Huawei Technologies Co., Ltd.	11/08/2017	3664501	17920734.5	
3664983	Sillectra GmbH	07/08/2018	3664983	18752482.2	German
3667032	Rolls-Royce plc	13/11/2019	3667032	19208761.7	
3667105	Würth International AG	08/11/2019	3667105	19208149.5	German
3667955	Samsung Electronics Co., Ltd.	28/11/2018	3667955	18882715.8	
3668718	Sun Chemical Corporation	14/08/2018	3668718	18845521.6	
3669196	Leeno Industrial Inc.	22/11/2018	3669196	18883317.2	
3669382	SI Group-Switzerland GmbH	14/08/2018	3669382	18753419.3	
3670343	Bombardier Inc.	12/12/2019	3670343	19215712.1	
3671636	The Boeing Company	29/11/2019	3671636	19212698.5	
3671655	Imagination Technologies Limited	13/09/2012	3671655	19218875.3	
3673271	Beckman Coulter, Inc.	24/08/2018	3673271	18766447.9	
3673714	Tridonic GmbH & Co. KG	17/09/2018	3673714	18778838.5	German
3674265	Tosoh Corporation	19/02/2018	3674265	20150979.1	
3674269	Jushi Group Co., Ltd.	24/08/2018	3674269	18807843.0	
3674909	Alibaba Group Holding Limited	14/08/2018	3674909	18847869.7	
3675226	LG Chem, Ltd.	14/08/2019	3675226	19850199.1	
3675780	Sinopsys Surgical, Inc.	20/09/2018	3675780	18857661.5	
3676439	CleanGuard AB	31/08/2018	3676439	18852702.2	
3678308	Samsung Electronics Co., Ltd.	03/01/2020	3678308	20150172.3	
3678340	ZTE Corporation	12/09/2018	3678340	18872008.0	
3678580	Covidien LP	04/09/2018	3678580	18853724.5	
3679770	Microsoft Technology Licensing, LLC	22/06/2018	3679770	18740438.9	
3679891	Venus MedTech (HangZhou) Inc.	04/09/2018	3679891	18850024.3	
3680042	The Boeing Company	08/01/2020	3680042	20150787.8	
3680277	LG Chem, Ltd.	17/09/2019	3680277	19863965.0	
3680769	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	08/09/2017	3680769	17924051.0	
3680789	Palantir Technologies Inc.	09/11/2017	3680789	20160699.3	
3681372	Alcon Inc.	18/12/2018	3681372	18840065.9	
3681539	Pharmacosmos Holding A/S	10/09/2018	3681539	18762868.0	
3682156	Alleima GmbH	12/09/2018	3682156	18769165.4	
3682291	3M Innovative Properties Company	27/08/2018	3682291	18773258.1	
3684426	Repligen Corporation	20/09/2018	3684426	18859938.5	
3684944	Becton, Dickinson and Company	18/09/2018	3684944	18859004.6	
3685056	Howmet Aerospace Inc.	14/09/2018	3685056	18857752.2	
3685372	Bose Corporation	27/11/2017	3685372	17808732.6	
3686263	Xinchang technology Co., Ltd.	24/09/2019	3686263	19199239.5	
3686697	Siemens Aktiengesellschaft	24/01/2019	3686697	19153564.0	German
3686807	Stradvision, Inc.	11/11/2019	3686807	19208316.0	
3686813	Hangzhou Hikvision Digital Technology Co., Ltd.	05/09/2018	3686813	18859380.0	
3688361	Colder Products Company	28/09/2018	3688361	18860563.8	
3688881	Huawei Technologies Co., Ltd.	19/10/2018	3688881	18868206.6	
3689139	Regeneron Pharmaceuticals, Inc.	26/05/2016	3689139	20158032.1	
3689190	GPCP IP Holdings LLC	13/06/2017	3689190	20164317.8	
3690061	Verinata Health, Inc.	29/05/2015	3690061	20164915.9	

3690390	Nuctech Company Limited Nuctech (Beijing) Company Limited Tsinghua University	03/02/2020	3690390	20155081.1	
3690646	Salesforce.com, Inc.	31/01/2020	3690646	20154758.5	
3691632	Research Cancer Institute of America	05/10/2018	3691632	18863859.7	
3691884	Ranpak Corp.	28/09/2018	3691884	18788964.7	
3692229	Zodiac Pool Systems LLC	25/09/2018	3692229	18789289.8	
3692259	Siemens Gamesa Renewable Energy A/S	02/10/2018	3692259	18864201.1	
3692850	Nike Innovate C.V.	20/07/2017	3692850	20166644.3	
3694013	Contemporary Amperex Technology (Hong Kong) Limited	22/02/2019	3694013	19856494.0	
3694461	Drylock Technologies NV	08/10/2018	3694461	18782073.3	
3694595	Somark Group Limited	12/10/2018	3694595	18867114.3	
3694999	Covestro Deutschland AG	12/10/2018	3694999	18785621.6	
3695389	HUF Hülsbeck & Fürst GmbH & Co. KG	15/11/2018	3695389	18804277.4	German
3695611	Canon Kabushiki Kaisha	09/10/2018	3695611	18783472.6	
3695644	Samsung Electronics Co., Ltd.	09/11/2018	3695644	18876060.7	
3695959	The'Lios S.p.A.	14/02/2020	3695959	20157324.3	
3696082	The Boeing Company	12/02/2020	3696082	20156971.2	
3696475	R. Nussbaum AG	14/02/2019	3696475	19157233.8	German
3697129	Samsung Electronics Co., Ltd.	13/11/2018	3697129	18879211.3	
3698808	Hyogo College Of Medicine Chugai Seiyaku Kabushiki Kaisha	19/10/2018	3698808	18868828.7	
3699344	Technische Universität Dresden	10/02/2020	3699344	20156271.7	German
3700089	Hyundai Motor Company Kia Corporation	14/11/2019	3700089	19209015.7	
3700754	3M Innovative Properties Company	26/10/2018	3700754	18871673.2	
3703176	LG Energy Solution, Ltd.	15/10/2018	3703176	18869843.5	
3703386	Starkey Laboratories, Inc.	26/02/2020	3703386	20159556.8	
3703419	Beijing Xiaomi Mobile Software Co.	03/11/2017	3703419	17930967.9	
3703458	LG Electronics Inc.	08/11/2018	3703458	18876481.5	
3704103	University of Miami	31/10/2018	3704103	18811401.1	
3704529	Leica Microsystems CMS GmbH	05/11/2018	3704529	18808229.1	German
3704962	KT&G Corporation	21/05/2018	3704962	18872006.4	
3704970	KT&G Corporation	26/10/2018	3704970	18874446.0	
3705932	Samsung Electronics Co., Ltd.	30/11/2018	3705932	18893598.5	
3706157	Rosemount Aerospace Inc.	19/11/2019	3706157	19210133.5	
3706181	CubicPV Inc.	19/11/2015	3706181	20170937.5	
3706737	The Regents of the University of Michigan	09/11/2018	3706737	18876778.4	
3706844	General Electric Company	08/11/2018	3706844	18876094.6	
3706849	University of Tennessee Research Foundation Vanderbilt University	06/11/2017	3706849	17804371.7	
3707001	Kornit Digital Ltd.	12/11/2018	3707001	18875145.7	
3707197	WRH Technology, LLC	29/10/2018	3707197	18870494.4	
3707458	Sheltered Wings, Inc. D/b/a/ Vortex Optics	09/11/2018	3707458	18876252.0	
3708667	TOSOH CORPORATION	08/11/2018	3708667	18875049.1	
3708701	Premier Evolvics PVT. Ltd.	21/05/2019	3708701	19175745.9	
3708722	EH Holding GmbH	13/03/2020	3708722	20162886.4	German
3709836	Colgate-Palmolive Company	14/11/2018	3709836	18812521.5	
3709895	Gdanski Uniwersytet Medyczny Politechnika Gdanska	12/11/2018	3709895	18830539.5	
3709932	Hemodynamx Ltd	14/11/2018	3709932	18878693.3	
3710491	ExxonMobil Chemical Patents Inc.	07/11/2018	3710491	18877520.9	
3710800	Intuitive Surgical Operations, Inc.	14/11/2018	3710800	18879001.8	
3711308	Lenovo (Beijing) Limited	15/11/2017	3711308	17932272.2	
3711680	Osaka University	13/11/2018	3711680	18878289.0	
3711932	Goodrich Corporation	14/11/2019	3711932	19209167.6	
3712258	Astellas Institute for Regenerative Medicine	13/04/2007	3712258	20169139.1	
3712702	The Boeing Company	10/03/2020	3712702	20162000.2	
3712910	Korea Minting, Security Printing & ID Card Operating Corp.	08/11/2018	3712910	18879052.1	

3713292	Sharp Kabushiki Kaisha	09/11/2018	3713292	18879189.1	
3713410	TransMedics, Inc.	20/11/2018	3713410	18879106.5	
3713517	Medtronic Vascular, Inc.	19/11/2018	3713517	18815455.3	
3713765	SABIC Global Technologies B.V.	20/11/2018	3713765	18819381.7	
3714044	Ottawa Hospital Research Institute	23/11/2018	3714044	18880792.9	
3714072	Thyssenkrupp Electrical Steel Gmbh thyssenkrupp AG	12/11/2018	3714072	18807895.0	German
3714118	PERI SE	20/11/2018	3714118	18807065.0	German
3714358	Microsoft Technology Licensing, LLC	09/11/2018	3714358	18808593.0	
3714391	Snowflake Inc.	06/08/2019	3714391	19848393.5	
3714635	Lenovo (Singapore) Pte. Ltd.	20/11/2017	3714635	17808038.8	
3715789	Beijing Xiaomi Mobile Software Co., Ltd.	19/11/2019	3715789	19210171.5	
3715803	Hamamatsu Photonics K.K.	05/09/2018	3715803	18881336.4	
3715821	Hamilton Sundstrand Corporation	25/11/2019	3715821	19211122.7	
3716349	Samsung Display Co., Ltd.	11/03/2020	3716349	20162496.2	
3716356	Wacker Neuson Produktion GmbH & Co. KG	30/03/2020	3716356	20166892.8	
3717444	Afyren	30/11/2018	3717444	18814543.7	French
3717667	Liquid Biopsy Research LLC	29/11/2018	3717667	18819435.1	
3717916	F. Hoffmann-La Roche AG	27/11/2018	3717916	18804654.4	
3718007	Microsoft Technology Licensing, LLC	22/11/2018	3718007	18816411.5	
3718132	Evatec AG	27/11/2018	3718132	18811226.2	
3718485	Covidien LP	31/03/2020	3718485	20166985.0	
3719034	Green Cross Holdings Corporation	26/10/2018	3719034	18870991.9	
3719126	Suzhou Ribo Life Science Co., Ltd.	29/11/2018	3719126	18883803.1	
3719136	Kao Corporation	29/11/2018	3719136	18882405.6	
3719577	Sanyo Chemical Industries, Ltd.	06/11/2018	3719577	18883712.4	
3719589	The Swatch Group Research and Development Ltd	26/11/2018	3719589	20169756.2	French
3720413	Colgate-Palmolive Company	30/11/2018	3720413	18819514.3	
3721347	ARM Limited	28/11/2018	3721347	18815292.0	
3722352	LG CHEM, LTD.	27/11/2019	3722352	19895283.0	
3722353	LG CHEM, LTD.	07/11/2019	3722353	19896615.2	
3722981	NXP B.V.	12/04/2019	3722981	19169052.8	
3723546	Colgate-Palmolive Company	30/11/2018	3723546	18821872.1	
3724161	Montdorex Inc.	08/11/2018	3724161	18878188.4	
3726289	Aptiv Technologies AG	31/03/2020	3726289	20167126.0	
3726921	HUAWEI TECHNOLOGIES CO., LTD.	11/01/2019	3726921	19738870.5	
3728483	Henkel AG & Co. KGaA	12/11/2018	3728483	18803917.6	
3729362	QUALCOMM Incorporated	28/11/2018	3729362	18830971.0	
3730414	Beckman Coulter, Inc.	25/04/2019	3730414	19171059.9	
3731164	Bell Identification B.v.	03/03/2016	3731164	20173311.0	
3732528	Dispelix Oy	19/02/2019	3732528	19778258.4	
3732837	Nokia Technologies Oy	29/12/2017	3732837	17936546.5	
3733875	The Trustees of Columbia University in the City of New York Roche Sequencing Solutions, Inc.	07/11/2013	3733875	20164545.4	
3734025	Siemens Energy Global GmbH & Co. KG	30/04/2019	3734025	19171955.8	
3734260	WIPOTEC GmbH	29/04/2020	3734260	20172056.2	German
3734361	NXP USA, Inc.	17/03/2020	3734361	20163580.2	
3734484	Mindwareworks Co.,Ltd.	16/10/2018	3734484	18894703.0	
3735046	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	31/01/2018	3735046	18903421.8	
3736753	Siemens Mobility GmbH	08/05/2019	3736753	19173322.9	
3737011	HUAWEI TECHNOLOGIES CO., LTD.	11/01/2019	3737011	19744044.9	
3737928	Dassault Systemes Americas Corp.	10/01/2019	3737928	19738994.3	
3738309	HUAWEI TECHNOLOGIES CO., LTD.	07/03/2018	3738309	18717746.4	
3738445	Mizkan Holdings Co., Ltd. Mizkan Co., Ltd.	10/01/2019	3738445	19738264.1	
3738568	Stollenwerk und Cie. GmbH Fabrik für Sanitätsausrüstungen	14/05/2020	3738568	20174795.3	German

3738902	Shenzhen Swift Automation Technology Co., Ltd.	01/06/2018	3738902	18899286.1	
3739866	Sony Group Corporation	22/11/2018	3739866	18909657.1	
3740672	Wobben Properties GmbH	15/01/2019	3740672	19700793.3	German
3740673	Wobben Properties GmbH	15/01/2019	3740673	19700891.5	German
3741360	Vifor Fresenius Medical Care Renal Pharma, Ltd.	26/11/2014	3741360	20177467.6	
3742068	Carrier Japan Corporation	17/01/2018	3742068	18900855.0	
3742449	Tandem Diabetes Care, Inc.	21/05/2020	3742449	20175932.1	
3742939	RTC Industries, Inc.	25/01/2019	3742939	19704535.4	
3744184	Acetate International LLC	05/11/2012	3744184	20177343.9	
3744336	MiMedx Group, Inc.	13/02/2012	3744336	20171466.4	
3744480	Panasonic Intellectual Property Management Co., Ltd.	30/11/2017	3744480	20186924.5	
3744797	DAW SE	31/05/2019	3744797	19177613.7	German
3745213	Ricoh Company, Ltd.	08/05/2020	3745213	20173637.8	
3745965	Nanostructures, Inc.	29/01/2019	3745965	19746779.8	
3748283	FUJIFILM Corporation	17/12/2018	3748283	18903532.2	
3748863	Allegro MicroSystems, LLC	13/05/2020	3748863	20174344.0	
3749153	SOCIÉTÉ des Produits Nestlé S.A.	15/06/2018	3749153	18730361.5	
3750265	QUALCOMM Incorporated	08/02/2019	3750265	19707235.8	
3751286	Chemclin Diagnostics Co., Ltd.	02/02/2019	3751286	19751164.5	
3751926	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	08/02/2018	3751926	18905112.1	
3752265	Hydac Process Technology GmbH	13/05/2019	3752265	19724430.4	German
3753683	Siemens Industry Software Ltd.	17/06/2019	3753683	19180630.6	
3754000	IDEMITSU KOSAN CO., LTD.	15/02/2019	3754000	19754985.0	
3754369	Artilux Inc.	18/06/2020	3754369	20180845.8	
3754457	Infineon Technologies Austria AG	19/06/2019	3754457	19181251.0	
3754778	LG Energy Solution, Ltd.	13/11/2019	3754778	19888362.1	
3755381	Sorbonne Université Institut National de la Santé et de la Recherche Médicale (INSERM) Ecole Nationale Supérieure de Chimie de Paris Centre National de la Recherche Scientifique (CNRS) Université Paris Cité	21/02/2019	3755381	19705208.7	
3756582	Ethicon LLC	26/06/2020	3756582	20182557.7	
3757668	Samsung Display Co., Ltd.	22/06/2020	3757668	20181422.5	
3757781	Huawei Cloud Computing Technologies Co., Ltd.	18/03/2019	3757781	19772294.5	
3758370	Samsung Electronics Co., Ltd.	02/04/2019	3758370	19782001.2	
3758552	Nilsson, Rickard	27/02/2019	3758552	19710596.8	German
3759074	AlonBio Ltd.	15/05/2020	3759074	20754606.0	
3759398	Vexo International (UK) Limited	12/02/2019	3759398	19708880.0	
3759512	Continental Autonomous Mobility Germany GmbH	05/02/2019	3759512	19710600.8	German
3759728	Anhui Onesky Electric Tech. Co. Ltd	14/02/2019	3759728	19908558.0	
3760592	Neozyme International, Inc.	24/05/2013	3760592	20191408.2	
3761075	IUCF-HYU (Industry-University Cooperation Foundation Hanyang University) Samsung Electronics Co., Ltd.	03/07/2020	3761075	20183932.1	
3761563	Samsung Electronics Co., Ltd.	18/03/2019	3761563	19777190.0	
3762583	Proton Technologies Canada Inc.	06/03/2019	3762583	19764420.6	
3763510	MSV SYSTEMS CZ s.r.o.	11/07/2019	3763510	19185650.9	
3763947	LG Electronics Inc.	10/03/2020	3763947	20162067.1	
3764784	Grange, Emile Grange, Jérémy Grange, Kévin	14/03/2019	3764784	19717529.2	French
3765790	UOP LLC	15/03/2019	3765790	19768563.9	

3765924	YKO Systems B.V.	14/03/2019	3765924	19710691.7	
3766923	Mitsubishi Chemical Corporation	28/02/2019	3766923	19767051.6	
3766989	Veritas In Silico Inc.	14/03/2019	3766989	19768245.3	
3768159	Graphwear Technologies Inc.	20/03/2019	3768159	19771598.0	
3768429	Imec VZW	22/03/2019	3768429	19711383.0	
3768676	Chromatwist Limited	21/03/2019	3768676	19714752.3	
3768901	Volvo Construction Equipment AB	19/03/2018	3768901	18712857.4	
3769071	HTE GmbH The High Throughput Experimentation Company	15/03/2019	3769071	19709750.4	German
3769381	Coherent LaserSystems GmbH & Co. Kg	18/03/2019	3769381	19712732.7	
3771615	Korea Railroad Research Institute	12/08/2019	3771615	19191212.0	
3772118	Universal Display Corporation	27/07/2020	3772118	20187819.6	
3773762	Naik, Praful Ramachandra Gupta, Alok Kumar	04/03/2019	3773762	19781538.4	
3775345	LENZING AKTIENGESELLSCHAFT	08/04/2019	3775345	19715108.7	
3775428	Tectonic Facades Limited	29/03/2019	3775428	19718192.8	
3775443	Opentech S.r.l. a Socio Unico MASTERLAB S.R.L.	11/04/2019	3775443	19716895.8	
3775872	Waters Technologies Corporation	15/04/2019	3775872	19722336.5	
3776243	Micron Technology, Inc.	31/03/2019	3776243	19721172.5	
3776342	The Regents of the University of California	29/03/2019	3776342	19776693.4	
3776919	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	08/04/2019	3776919	19717273.7	German
3777898	Endocyte, Inc. Purdue Research Foundation	13/11/2014	3777898	20180928.2	
3778714	DAIKIN INDUSTRIES, LTD.	27/03/2019	3778714	19778188.3	
3778976	BAOSHAN IRON & STEEL CO., LTD.	15/05/2019	3778976	19803939.8	
3779216	Termax LLC	11/08/2020	3779216	20190453.9	
3779698	Convida Wireless, LLC	16/05/2014	3779698	20198242.8	
3780436	Datang Mobile Communications Equipment Co., Ltd.	21/03/2019	3780436	19781724.0	
3780676	HUAWEI TECHNOLOGIES CO., LTD.	14/05/2018	3780676	18918448.4	
3780830	Panasonic Intellectual Property Corporation of America	02/11/2017	3780830	20200286.1	
3781085	Cardiovalve Ltd.	06/02/2019	3781085	19704053.8	
3782553	Samsung Medison Co., Ltd.	26/04/2018	3782553	18915398.4	
3783650	United Microelectronics Corp.	14/05/2020	3783650	20174584.1	
3783855	BYD Company Limited	18/04/2019	3783855	19787621.2	
3783857	Cyphort Inc.	09/11/2016	3783857	20201384.3	
3783928	Samsung Electronics Co., Ltd.	19/08/2019	3783928	19849412.2	
3784151	ECA Medical Instruments	23/04/2018	3784151	18916571.5	
3784250	Memorial Sloan Kettering Cancer Center	23/04/2019	3784250	19792114.1	
3784485	Dow Global Technologies LLC	26/04/2019	3784485	19722441.3	
3787494	Covidien LP	17/06/2019	3787494	19732938.6	German
3787853	Verb Surgical Inc.	15/06/2018	3787853	18742874.3	
3788170	Becton, Dickinson and Company	01/05/2019	3788170	19723988.2	
3788473	Hewlett-Packard Development Company, L.P.	05/11/2018	3788473	18939226.9	
3788935	Arçelik Anonim Sirketi	31/08/2020	3788935	20193649.9	
3790128	Guangdong Lisi Intelligent Technology Co., Ltd	14/01/2020	3790128	20151723.2	
3791300	Hewlett-Packard Development Company, L.P.	14/11/2018	3791300	18940453.6	
3791315	QUALCOMM INCORPORATED	08/05/2019	3791315	19725549.0	
3791379	Google LLC	21/10/2019	3791379	19798491.7	
3791696	University Of Southampton	10/05/2019	3791696	19725057.4	
3791938	XMT Solutions LLC	05/05/2016	3791938	20204244.6	
3791962	Messer SE & Co. KGaA	25/08/2020	3791962	20192539.3	German
3792315	Idemitsu Kosan Co.,Ltd.	18/04/2019	3792315	19800019.2	
3793072	BAOSHAN IRON & STEEL CO., LTD.	02/08/2019	3793072	19848476.8	
3793282	NTT DOCOMO, INC.	11/05/2018	3793282	18918185.2	
3793476	Zenflow, Inc.	16/05/2019	3793476	19803887.9	

3793613	Bolt Biotherapeutics, Inc. The Board of Trustees of the Leland Stanford Junior University	17/05/2019	3793613	19728294.0	
3794204	AGC Glass Europe AGC Inc. AGC Flat Glass North America, Inc. AGC Vidros do Brasil Ltda	13/05/2019	3794204	19723118.6	
3794397	Lumus Ltd.	16/05/2019	3794397	19804151.9	
3794833	Adeia Guides Inc.	26/03/2020	3794833	20720650.9	
3797009	SAFRAN AIRCRAFT ENGINES	23/05/2019	3797009	19737169.3	French
3797563	Tridonic GmbH & Co. KG	19/06/2019	3797563	19732340.5	German
3797708	C.R. Bard Inc.	06/11/2014	3797708	20186342.0	
3797742	Genentech, Inc.	11/02/2015	3797742	20200019.6	
3798872	Rockwell Automation Technologies, Inc.	10/08/2020	3798872	20190173.3	
3799574	TIMPEL MEDICAL B.V.	12/02/2019	3799574	19713195.6	
3799743	Liu, Tuanfang	14/11/2019	3799743	19209023.1	
3800015	SMW-AUTOBLOK Spannsysteme GmbH	09/09/2020	3800015	20195208.2	German
3800117	Lee, Chung-Che	06/08/2020	3800117	20189933.3	
3800278	Hamilton Sundstrand Corporation	27/11/2019	3800278	19211887.5	
3800279	Hamilton Sundstrand Corporation	28/11/2019	3800279	19212116.8	
3800586	Samsung Electronics Co., Ltd.	10/06/2020	3800586	20179214.0	
3800964	HUAWEI TECHNOLOGIES CO., LTD.	30/05/2019	3800964	19811304.5	
3801010	Crystal Bioscience Inc.	05/06/2019	3801010	19814758.9	
3801507	ETH Zurich	23/05/2019	3801507	19728338.5	
3801559	Celltaxis, LLC	31/05/2019	3801559	19811606.3	
3801938	Illinois Tool Works Inc.	05/06/2019	3801938	19733609.2	
3802051	Helios Gerätebau für Kunststofftechnik GmbH	26/05/2020	3802051	20728720.2	German
3803366	Hach Company	29/05/2019	3803366	19731079.0	
3804521	Innovotech Inc.	22/08/2011	3804521	20183205.2	
3804545	Cig-Green Industrial (Shenzen) Co., Ltd.	04/06/2018	3804545	18921698.9	
3804969	Airbus Operations, S.L.	10/10/2019	3804969	19382891.0	
3805296	SK Innovation Co., Ltd. SK Geo Centric Co., Ltd. SK GC Americas Inc.	29/09/2020	3805296	20199014.0	
3805555	Global Energy Co., Ltd.	30/05/2019	3805555	19814098.0	
3806198	LG Energy Solution, Ltd.	11/05/2020	3806198	20804982.5	
3808685	apo.com Group GmbH	16/10/2019	3808685	19203612.7	German
3809622	HUAWEI TECHNOLOGIES CO., LTD.	13/05/2016	3809622	20194658.9	
3809625	Huawei Technologies Co., Ltd.	09/10/2018	3809625	18936726.1	
3809736	Nokia Solutions and Networks Oy	18/08/2020	3809736	20191577.4	
3810472	Robert Bosch GmbH	27/04/2019	3810472	19724747.1	German
3812821	CANON KABUSHIKI KAISHA	31/05/2019	3812821	19815189.6	
3813306	HUAWEI TECHNOLOGIES CO., LTD.	25/02/2020	3813306	20763198.7	
3815146	Northrop Grumman Systems Corporation	11/06/2019	3815146	19736547.1	
3816050	B/E Aerospace, Inc.	29/10/2020	3816050	20204786.6	
3816105	Toyo Tanso Co., Ltd.	01/07/2019	3816105	19826921.9	
3816934	UMMON HealthTech	04/11/2019	3816934	19206849.2	
3816961	Apollo Intelligent Connectivity (Beijing) Technology Co., Ltd.	07/09/2020	3816961	20194845.2	
3817842	Redstack B.V.	04/07/2019	3817842	19749442.0	
3818326	True Velocity IP Holdings, LLC	02/07/2019	3818326	19830059.2	
3819201	Campagnolo S.r.l.	02/11/2020	3819201	20205224.7	
3819642	Rosemount Aerospace Inc.	09/11/2020	3819642	20206388.9	
3819715	Blancpain SA	05/11/2019	3819715	19207244.5	French
3819719	Tissot S.A.	08/11/2019	3819719	19208048.9	French
3819923	FLUKE CORPORATION	28/06/2019	3819923	19831125.0	
3819963	Samsung SDI Co., Ltd.	06/11/2020	3819963	20206308.7	
3820391	Arthrex, Inc.	12/08/2019	3820391	19762000.8	
3820914	Nova Chemicals (International) S.A.	03/07/2019	3820914	19768884.9	
3821713	Prolacta Bioscience, Inc.	05/03/2014	3821713	20216091.7	
3821764	Leonardo S.r.L.	09/10/2017	3821764	20216634.4	

3821776	Eurofilters Holding N.V.	12/11/2019	3821776	19208499.4	German
3821777	Eurofilters Holding N.V.	12/11/2019	3821777	19208500.9	German
3821940	BIOTRONIK SE & Co. KG	13/11/2019	3821940	19208876.3	German
3822072	Airbus Operations, S.L.	14/11/2019	3822072	19383000.7	
3822191	Helen of Troy Limited	11/11/2020	3822191	20206981.1	
3822236	PPG Industries Ohio, Inc.	25/11/2015	3822236	21150173.9	
3822456	RTX Corporation	11/11/2020	3822456	20207026.4	
3822481	Valeo Powertrain GmbH	06/11/2020	3822481	20206094.3	
3822679	OFS Fitel, LLC (a Delaware Limited Liability Company)	08/09/2020	3822679	20195007.8	
3822978	Presspart Gmbh & Co. Kg	13/11/2019	3822978	19208782.3	
3823211	ZTE Corporation	30/05/2019	3823211	19833548.1	
3823247	ABB Schweiz AG	15/11/2019	3823247	19209607.1	
3823422	Tridonic GmbH & Co KG	12/11/2019	3823422	19208421.8	
3823790	Illinois Tool Works, Inc.	17/07/2019	3823790	19746406.8	
3823803	Milwaukee Electric Tool Corporation	17/07/2019	3823803	19837273.2	
3824553	Gigajot Technology, Inc.	16/07/2019	3824553	19746388.8	
3824657	Jio Platforms Limited	16/07/2019	3824657	19837040.5	
3824817	Cairdac	22/11/2019	3824817	19315138.8	French
3824882	Shin-Etsu Chemical Co., Ltd.	17/05/2019	3824882	19838422.4	
3825068	Andreas Stihl AG & Co. KG	22/11/2019	3825068	19210898.3	German
3825161	ArvinMeritor Technology, LLC	19/11/2020	3825161	20208750.8	
3825516	RTX Corporation	20/11/2020	3825516	20208852.2	
3825519	RTX Corporation	20/11/2020	3825519	20208849.8	
3825623	Vaillant GmbH	11/11/2020	3825623	20206829.2	German
3825936	General Electric Company	18/11/2020	3825936	20208475.2	
3826005	Samsung Electronics Co., Ltd.	29/06/2015	3826005	20197601.6	
3826295	Karl Storz Imaging, Inc.	09/11/2020	3826295	20206366.5	
3826737	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	25/07/2019	3826737	19742769.3	French
3826840	Merck Patent GmbH	22/07/2019	3826840	19742049.0	
3827033	ExxonMobil Chemical Patents Inc.	02/07/2019	3827033	19841950.9	
3827361	Roblox Corporation	25/07/2019	3827361	19841563.0	
3827639	Samsung Electronics Co., Ltd.	01/11/2019	3827639	19880108.6	
3827743	Institute of Scientific Instruments of the Czech Academy of Sciences, v. v. i. Charles University CARDION s.r.o. St. Anne's University Hospital Brno	29/11/2019	3827743	19212534.2	
3827907	Hamburg Dresdner Maschinenfabriken Verwaltungsgesellschaft mbH	19/11/2020	3827907	20208773.0	German
3827955	Stratasys, Inc.	17/11/2016	3827955	21150525.0	
3828420	Rolls-Royce plc	09/11/2020	3828420	20206404.4	
3828562	Hitachi Energy Ltd	28/11/2019	3828562	19212223.2	
3828826	Agriconnect	06/06/2019	3828826	21152605.8	French
3828880	FAURECIA Sièges d'Automobile	27/11/2020	3828880	20210330.5	French
3828924	MEDIATEK INC.	23/11/2020	3828924	20209160.9	
3829044	Tridonic GmbH & Co. KG	29/11/2019	3829044	19212414.7	
3829057	Samsung Electronics Co., Ltd.	26/11/2020	3829057	20210134.1	
3829110	Zhilabs S.L.	28/11/2019	3829110	19383061.9	
3829912	MAN Truck & Bus SE	25/07/2019	3829912	19752947.2	German
3830499	BITZER Kühlmaschinenbau GmbH	01/08/2018	3830499	18750160.6	German
3830934	SAFRAN	25/07/2019	3830934	19762189.9	French
3831098	HUAWAI TECHNOLOGIES CO., LTD.	13/08/2018	3831098	18755192.4	
3831615	Unilin, BV	09/11/2009	3831615	21153511.7	
3831977	NIPPON STEEL CORPORATION	31/07/2019	3831977	19844723.7	
3833025	GE Video Compression, LLC	10/10/2011	3833025	20201843.8	
3833053	Sivantos Pte. Ltd.	27/11/2020	3833053	20210166.3	German
3833416	invoX Belgium NV	07/08/2019	3833416	19746525.5	
3833862	Liebherr-Aerospace Toulouse SAS	06/08/2019	3833862	19759668.7	French
3834407	CANON KABUSHIKI KAISHA	23/08/2019	3834407	19765335.5	
3834537	ZTE Corporation	07/08/2018	3834537	18929673.4	



3834678	Daito Giken, Inc.	02/08/2019	3834678	19847124.5	
3835065	The Boeing Company	20/11/2020	3835065	20208929.8	
3835630	EagleBurgmann Germany GmbH & Co. KG	03/11/2020	3835630	20205444.1	German
3835687	Panasonic Intellectual Property Management Co., Ltd.	06/11/2020	3835687	20206234.5	
3835784	Linde GmbH	24/11/2020	3835784	20020556.5	German
3835852	BOE TECHNOLOGY GROUP CO., LTD. Beijing Boe Sensor Technology Co., Ltd.	08/08/2019	3835852	19847245.8	
3835904	The Boeing Company	23/10/2020	3835904	20203701.6	
3837209	HYDROGENIOUS LOHC TECHNOLOGIES GMBH	30/07/2019	3837209	19748798.6	German
3837806	Microsoft Technology Licensing, LLC	25/06/2019	3837806	19736935.8	
3839595	Abberior Instruments GmbH	27/11/2020	3839595	20210326.3	
3839733	THALES	18/12/2020	3839733	20215327.6	French
3840712	Pride Mobility Products Corporation	20/08/2019	3840712	19851110.7	
3841141	Covestro Deutschland AG	21/08/2019	3841141	19755391.0	
3841848	Lutron Technology Company LLC	23/08/2019	3841848	19765857.8	
3841993	Creo Medical Limited	12/10/2018	3841993	21152436.8	
3842124	Açelik Anonim Sirketi	27/11/2020	3842124	20210303.2	
3842835	Y. E. Hub Armenia LLC	24/09/2020	3842835	20197957.2	
3843178	LG Energy Solution, Ltd.	07/11/2019	3843178	19892391.4	
3843444	HUAWEI TECHNOLOGIES CO., LTD.	27/09/2019	3843444	19865453.5	
3844162	Morphic Therapeutic, Inc.	29/08/2019	3844162	19873423.8	
3844329	ExxonMobil Chemical Patents Inc.	14/08/2019	3844329	19759265.2	
3844496	Honeywell International Inc.	01/11/2019	3844496	19944649.3	
3845188	Ethicon LLC	29/12/2020	3845188	20217624.4	
3845231	Taiho Pharmaceutical Co., Ltd.	28/08/2019	3845231	19856279.5	
3845279	ATOMIC Austria GmbH	24/11/2020	3845279	20209510.5	German
3845655	The General Hospital Corporation	01/10/2015	3845655	20210740.5	
3845990	Yanmar Power Technology Co., Ltd.	11/07/2019	3845990	19855476.8	
3846185	FUJIFILM Corporation	12/04/2019	3846185	19856047.6	
3846491	SOLID, INC.	25/07/2019	3846491	19854644.2	
3847095	Cressi-Sub S.p.A.	21/05/2019	3847095	19729855.7	
3848007	Micro-Tech (Nanjing) Co., Ltd.	23/08/2019	3848007	19858546.5	
3848252	Mintech Co., Ltd.	04/09/2019	3848252	19857729.8	
3848934	THALES	15/12/2020	3848934	20214015.8	French
3849119	HUAWEI TECHNOLOGIES CO., LTD.	24/09/2019	3849119	19865691.0	
3849167	LG Innotek Co., Ltd.	05/09/2019	3849167	19858297.5	
3849868	Tusimple, Inc.	12/09/2019	3849868	19860624.6	
3850143	ELECTROLUX APPLIANCES AKTIEBOLAG	27/08/2019	3850143	19759567.1	
3850373	TGS-NOPEC Geophysical Company	13/09/2019	3850373	19779263.3	
3850417	University Of Massachusetts	13/09/2019	3850417	19860159.3	
3850509	Samsung Electronics Co., Ltd.	29/11/2019	3850509	19890618.2	
3850983	Kolmar Korea Co., Ltd.	09/11/2018	3850983	18933185.3	
3851416	Tübitak	04/12/2020	3851416	20211762.8	
3852238	LG Innotek Co., Ltd.	11/09/2019	3852238	19859464.0	
3852436	NTT DOCOMO, INC.	13/09/2018	3852436	18933178.8	
3853025	EOS GmbH Electro Optical Systems	07/11/2019	3853025	19801298.1	German
3853223	ST IP Holding AG	17/09/2019	3853223	19828305.3	
3854902	Proterial, Ltd.	19/09/2019	3854902	19863194.7	
3855275	Amazon Technologies, Inc.	23/06/2015	3855275	21157179.9	
3856465	KUKA Deutschland GmbH	10/09/2019	3856465	19769411.0	German
3856829	SABIC Global Technologies B.V.	24/09/2019	3856829	19772743.1	
3857119	HELLA GMBH & CO. KGAA	25/09/2018	3857119	18782344.8	
3857707	Yank Technologies, Inc.	26/09/2019	3857707	19867723.9	
3858176	Shenzhen First Union Technology Co., Ltd.	27/09/2019	3858176	19866215.7	
3858276	Covidien LP	20/01/2021	3858276	21152626.4	
3858654	TOYOTA JIDOSHA KABUSHIKI KAISHA	21/01/2021	3858654	21152642.1	
3858721	Autoliv Development AB	29/01/2021	3858721	21154451.5	

3858879	Mitsubishi Chemical Corporation	13/09/2019	3858879	19866852.7	
3859198	Endserv Inspeção de Equipamentos e Materiais Ltda Me	11/09/2019	3859198	19866514.3	
	Petroleo Brasileiro S.A. - PETROBRAS				
3859577	Panasonic Automotive Systems Co., Ltd	10/06/2019	3859577	19877807.8	
3859709	VOLKSWAGEN AG	30/01/2020	3859709	20154497.0	
3859967	Deere & Company	16/12/2020	3859967	20214636.1	
3860072	Nanjing Zhongxing Software Co, Ltd.	29/09/2019	3860072	19864265.4	
3860291	VIVO MOBILE COMMUNICATION CO., LTD.	19/09/2019	3860291	19865666.2	
3860315	Tridonic GmbH & Co. KG	29/01/2020	3860315	20154262.8	
3860476	CONMED Corporation	02/10/2019	3860476	19791397.3	
3860727	OmniPad, Inc. Epstein, Neil	02/10/2019	3860727	19887094.1	
3860894	Waymo LLC	05/11/2019	3860894	19883127.3	
3861237	EagleBurgmann Germany GmbH & Co. KG	16/09/2019	3861237	19769468.0	German
3861918	Olympus Winter & Ibe GmbH	14/01/2021	3861918	21151701.6	German
3862393	FURUKAWA ELECTRIC CO., LTD.	02/10/2019	3862393	19869899.5	
3863012	Samsung Electronics Co., Ltd.	26/11/2019	3863012	19915473.3	
3864841	QUALCOMM Incorporated	07/10/2019	3864841	19794340.0	
3864952	CNH Industrial Belgium N.V.	11/02/2021	3864952	21156515.5	
3865572	Ichimaru Pharcos Co., Ltd. Kobe Gakuin Educational Foundation	27/09/2019	3865572	19870372.0	
3866019	STMicroelectronics (Grenoble 2) SAS	17/02/2020	3866019	20305147.9	
3866746	Arjo IP Holding Aktiebolag	09/10/2019	3866746	19874079.7	
3866875	The Cleveland Clinic Foundation	15/10/2019	3866875	19797505.5	
3867347	Henkel AG & Co. KGaA	17/10/2019	3867347	19795130.4	
3867724	WAYMO LLC	12/11/2019	3867724	19886418.3	
3868359	Amorepacific Corporation	15/10/2019	3868359	19874704.0	
3868593	IVECO S.P.A.	20/09/2019	3868593	19873723.1	
3869115	Qingdao Haier Air-Conditioning Electronic Co., Ltd Haier Smart Home Co., Ltd.	15/05/2020	3869115	20815617.4	
3869658	Enercamp Co., Ltd.	16/10/2019	3869658	19873766.0	
3869718	ZTE Corporation	11/10/2019	3869718	19873171.3	
3869842	Huawei Cloud Computing Technologies Co., Ltd.	27/09/2019	3869842	19891652.0	
3871222	KWS SAAT SE & Co. KGaA	27/11/2019	3871222	19809826.1	
3871344	Samsung Electronics Co., Ltd.	31/10/2019	3871344	19878167.6	
3871885	manroland Goss web systems GmbH	18/02/2021	3871885	21157992.5	German
3874012	Ariel Scientific Innovations Ltd.	01/11/2019	3874012	19879139.4	
3874394	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	02/11/2018	3874394	18796658.5	
3874422	Google LLC	27/11/2019	3874422	19824129.1	
3874451	Allen Institute	30/10/2019	3874451	19878086.8	
3875804	Hamilton Sundstrand Corporation	25/02/2021	3875804	21159292.8	
3876628	Beijing Xiaomi Mobile Software Co., Ltd.	01/11/2018	3876628	18939073.5	
3876674	Optoga AB	24/02/2021	3876674	21158852.0	
3876729	Corteva Agriscience LLC	04/11/2019	3876729	19835899.6	
3876890	Ondal Medical Systems GmbH	31/10/2019	3876890	19795565.1	German
3877280	SIDEL PARTICIPATIONS SAS	04/11/2019	3877280	19880856.0	
3877569	Nanofilm Technologies International Limited	07/11/2019	3877569	19798648.2	
3877598	Rc Panels Holding B.V.	04/11/2019	3877598	19829344.1	
3877629	General Electric Technology GmbH	06/11/2019	3877629	19882994.7	
3877776	Bayerische Motoren Werke Aktiengesellschaft	12/07/2019	3877776	19748651.7	German
3877989	Brainlab AG	07/11/2018	3877989	18803896.2	
3878160	VMware LLC	01/11/2019	3878160	19836635.3	
3878606	OMRON Corporation	06/12/2019	3878606	19900106.6	
3878824	LG Electronics Inc.	08/11/2019	3878824	19881643.1	

3878929	ENEOS Corporation	06/11/2019	3878929	19882330.4	
3879108	Dab Pumps S.p.A.	22/01/2021	3879108	21153006.8	
3879432	DENSO WAVE INCORPORATED	08/11/2019	3879432	19882676.0	
3879779	ZTE Corporation	05/11/2019	3879779	19882617.4	
3879953	CNH Industrial Belgium NV	24/10/2019	3879953	19802013.3	
3880018	Philip Morris Products, S.A.	12/11/2019	3880018	19805757.2	
3880124	Half Moon Medical, Inc.	14/11/2018	3880124	18815871.1	
3880411	ABB Schweiz AG	13/11/2018	3880411	18811723.8	
3880416	AM Metals GmbH	07/11/2019	3880416	19809704.0	German
3880722	Borealis AG	14/11/2019	3880722	19801365.8	
3881050	The Francis Crick Institute Limited	13/11/2019	3881050	19809553.1	
3881109	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. Karlsruher Institut für Technologie	14/11/2019	3881109	19801359.1	
3881151	Raven Industries, Inc.	15/11/2019	3881151	19884633.9	
3881165	Microsoft Technology Licensing, LLC	07/11/2019	3881165	19836003.4	
3881256	Visa International Service Association	16/11/2018	3881256	18940150.8	
3881698	Japan Tobacco Inc.	13/11/2019	3881698	19885392.1	
3881699	Japan Tobacco Inc.	13/11/2019	3881699	19885744.3	
3881771	Teleflex Life Sciences LLC	08/08/2017	3881771	21173777.0	
3881892	Inspire Medical Systems, Inc.	16/03/2016	3881892	21171868.9	
3882330	Chevron Japan Ltd.	19/03/2021	3882330	21163719.4	
3882542	LG Electronics Inc.	14/11/2019	3882542	19883980.5	
3882865	Tencent Technology (Shenzhen) Company Limited	05/11/2019	3882865	19884357.5	
3882908	Harman International Industries, Incorporated	12/03/2021	3882908	21162237.8	
3883240	Coretronic Corporation	18/03/2021	3883240	21163439.9	
3883687	3M Innovative Properties Company	08/11/2019	3883687	19805401.7	
3883700	KHD Humboldt Wedag GmbH	20/11/2019	3883700	19808752.0	German
3884105	Feghoul, Abdla	21/11/2019	3884105	19820993.4	French
3884139	Thermodyn SAS	20/11/2019	3884139	19817141.5	
3884217	Carrier Corporation	11/11/2019	3884217	19836692.4	
3884326	OFS FITEL LLC	18/11/2019	3884326	19887623.7	
3884341	FlightSafety International Inc.	19/11/2019	3884341	19888076.7	
3884548	Sony Semiconductor Solutions Corporation	14/11/2019	3884548	19801055.5	
3884619	Telefonaktiebolaget LM Ericsson (publ)	21/11/2019	3884619	19809923.6	
3885357	Hyquo Molecule (Beijing) Technology Co., Ltd	18/11/2019	3885357	19886303.7	
3885542	Hitachi Astemo, Ltd.	07/02/2020	3885542	20773490.6	
3885611	AICI Technology (Ningbo) Co., Ltd.	07/12/2019	3885611	19895205.3	
3885701	Sony Semiconductor Solutions Corporation	11/11/2019	3885701	19886241.9	
3885746	Rigaku Corporation	21/11/2019	3885746	19886255.9	
3886005	Ricoh Company, Ltd.	09/02/2021	3886005	21156008.1	
3886155	Infineon Technologies AG	24/03/2020	3886155	20165269.0	
3886822	LTS Lohmann Therapie-Systeme AG	20/11/2019	3886822	19813251.6	German
3886938	Fresenius Medical Care Deutschland GmbH	26/11/2019	3886938	19806280.4	
3887103	Valmet Tissue Converting S.p.A.	27/11/2019	3887103	19831887.5	
3887196	ENGIE Electroproject B.V.	27/11/2019	3887196	19806302.6	
3887782	Instrument Systems GmbH	27/11/2019	3887782	19821253.2	German
3887871	Universal City Studios LLC	18/11/2019	3887871	19820943.9	
3887898	OFS FITEL LLC	31/10/2019	3887898	19877583.5	
3888367	Tencent America LLC	26/11/2019	3888367	19891611.6	
3888735	Avent, Inc.	05/05/2016	3888735	21166315.8	
3889193	LG Chem, Ltd.	11/09/2020	3889193	20863524.3	
3889357	STABILUS GmbH	30/03/2021	3889357	21165995.8	German
3889393	General Electric Technology GmbH	11/03/2021	3889393	21162181.8	
3890057	Contemporary Ampere Technology (Hong Kong) Limited	22/02/2019	3890057	19905081.6	
3890088	SANYO Electric Co., Ltd.	25/11/2019	3890088	19888809.1	
3890266	HUAWEI TECHNOLOGIES CO., LTD.	04/03/2016	3890266	21157046.0	
3890273	ZTE Corporation	19/11/2019	3890273	19889837.1	

3890653	Solventum Intellectual Properties Company	22/11/2019	3890653	19813149.2	
3891430	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	25/11/2019	3891430	19842785.8	French
3891995	Dolby Laboratories Licensing Corporation	27/11/2019	3891995	19821231.8	
3892607	LG Chem, Ltd.	07/08/2020	3892607	20855444.4	
3893447	Huawei Technologies Co. Ltd.	13/01/2020	3893447	20741320.4	
3893572	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	17/01/2019	3893572	19910019.9	
3895361	Samsung Electronics Co., Ltd.	22/01/2020	3895361	20745826.6	
3895875	Nakata Engineering Co., Ltd.	06/11/2019	3895875	19908462.5	
3895893	The Boeing Company	24/02/2021	3895893	21158970.0	
3896200	Korea Institute of Science and Technology	24/11/2020	3896200	20209539.4	
3896858	Interface Technology (ChengDu) Co., Ltd. Interface Optoelectronics (Shenzhen) Co., Ltd. General Interface Solution Limited	15/03/2021	3896858	21162519.9	
3898181	Karlsruher Institut für Technologie	21/10/2019	3898181	19797585.7	German
3899499	ArcelorMittal	28/11/2019	3899499	19813655.8	
3899974	The Procter & Gamble Company	10/12/2019	3899974	19836249.3	
3901090	Tokuyama Corporation	21/01/2020	3901090	20745993.4	
3901669	Nuctech Company Limited Tsinghua University	10/09/2019	3901669	19897922.1	
3902440	SEB S.A.	26/12/2019	3902440	19828791.4	French
3904980	OMRON Corporation	28/11/2019	3904980	19901761.7	
3905828	Panasonic Intellectual Property Corporation of America	24/09/2019	3905828	19902270.8	
3906819	Arlinea Industries Co.	07/05/2020	3906819	20173547.9	
3907262	Ricoh Company, Ltd.	28/04/2021	3907262	21170912.6	
3908085	Helvar Oy Ab	08/05/2020	3908085	20173633.7	
3909050	Yangtze Memory Technologies Co., Ltd.	22/05/2019	3909050	19929556.9	
3909075	Yangtze Memory Technologies Co., Ltd.	17/05/2019	3909075	19929880.3	
3910444	Watts Regulator Co.	12/05/2021	3910444	21173566.7	
3910873	Kamstrup A/S	12/05/2021	3910873	21173486.8	
3910933	OmniVision Sensor Solution (Shanghai) Co., Ltd	28/01/2019	3910933	19908853.5	
3911033	Ademco Inc.	26/11/2019	3911033	21176360.2	
3911109	Nokia Technologies Oy	15/05/2020	3911109	20175052.8	
3911420	3M Innovative Properties Company	14/01/2020	3911420	20741765.0	
3912156	Dolby Laboratories Licensing Corporation Dolby International AB	16/01/2020	3912156	20705564.1	
3912213	Johnson Matthey Hydrogen Technologies Limited	17/01/2020	3912213	20701848.2	
3912744	NIPPON STEEL CORPORATION	16/01/2020	3912744	20741545.6	
3912955	Universität Osnabrück	19/05/2020	3912955	20175412.4	
3913058	SomaLogic Operating Co., Inc.	30/06/2017	3913058	21174810.8	
3913350	Carrier Corporation	22/05/2020	3913350	20382435.4	
3913744	Minebea Mitsumi Inc.	05/11/2019	3913744	19915858.5	
3914196	Ottobock SE & Co. KGaA	24/01/2020	3914196	20702265.8	German
3914973	Snap-on Incorporated	20/11/2019	3914973	19818445.9	
3915040	Ampere SAS	13/01/2020	3915040	20700298.1	French
3916244	Centrix Inc.	14/09/2018	3916244	21177911.1	
3916496	ABB Schweiz AG	29/05/2020	3916496	20177360.3	
3916669	Carrosserie Hess AG	21/05/2021	3916669	21175385.0	
3917043	Huawei Technologies Co., Ltd.	25/02/2019	3917043	19916582.0	
3917225	LG Electronics Inc.	25/02/2020	3917225	20762377.8	
3917498	Gdanski Uniwersytet Medyczny	29/01/2020	3917498	20713087.3	
3918464	Microsoft Technology Licensing, LLC	23/01/2020	3918464	20707937.7	
3918919	The Nisshin OilliO Group, Ltd.	28/01/2020	3918919	20748714.1	

3919453	Fiberhome Fujikura Optic Technology Co., Ltd Fiberhome Telecommunication Technologies Co., Ltd	19/07/2019	3919453	19913506.2	
3919906	Sekisui Medical Co., Ltd. Miyazaki, Toru Social Welfare Organization "Saiseikai" Imperial Gift Foundation Inc.	30/01/2020	3919906	20749087.1	
3919965	Sony Group Corporation Sony Semiconductor Solutions Corporation	07/02/2020	3919965	20762127.7	
3920153	GLORY LTD.	01/06/2021	3920153	21177057.3	
3920651	LG Electronics Inc.	03/05/2018	3920651	21188357.4	
3921667	SUPERSONIC IMAGINE	07/02/2020	3921667	20702674.1	
3921700	ASML Netherlands B.V.	02/01/2020	3921700	20700180.1	
3921709	thyssenkrupp Hohenlimburg GmbH thyssenkrupp AG	21/01/2020	3921709	20701447.3	German
3921915	British Telecommunications Public Limited Company	28/01/2020	3921915	20701365.7	
3922190	Ethicon LLC	17/06/2016	3922190	21174608.6	
3922279	Dana Farber Cancer Institute, Inc.	30/08/2017	3922279	21171683.2	
3922474	Bundesdruckerei GmbH	02/06/2021	3922474	21177287.6	German
3922969	Toshiba TEC Kabushiki Kaisha	18/02/2021	3922969	21157861.2	
3923251	Bridgestone Mobility Solutions B.V.	10/06/2021	3923251	21178888.0	
3923680	Marelli Germany GmbH	09/06/2021	3923680	21178471.5	German
3924277	GEA Process Engineering nv	11/02/2020	3924277	20706639.0	
3924289	Liebherr-Werk Biberach GmbH	05/03/2020	3924289	20711819.1	German
3924820	International Business Machines Corporation	03/02/2020	3924820	20702302.9	
3924821	International Business Machines Corporation	03/02/2020	3924821	20702303.7	
3925578	Warsaw Orthopedic, Inc.	06/09/2017	3925578	21182013.9	
3925752	Kurashiki Boseki Kabushiki Kaisha	10/02/2020	3925752	20756067.3	
3925850	Sensonic GmbH	16/06/2020	3925850	20180357.4	
3926045	Nxera Pharma UK Limited	20/03/2008	3926045	21171713.7	
3926254	ebm-papst Mulfingen GmbH & Co. KG	10/05/2021	3926254	21172968.6	German
3926537	Tencent Technology (Shenzhen) Company Limited	11/02/2020	3926537	20755319.9	
3928085	Bruker AXS SE	18/02/2020	3928085	20705958.5	German
3928842	Salewa Sport AG	21/06/2021	3928842	21180594.0	German
3928849	Cytiva US LLC	21/06/2021	3928849	21180709.4	
3928974	JIANGSU QIYI TECHNOLOGY CO., LTD	17/02/2020	3928974	20915059.8	
3929004	BRIDGESTONE CORPORATION	15/11/2019	3929004	19915635.7	
3929064	Hangzhou Hikrobot Co., Ltd.	27/04/2020	3929064	20818056.2	
3929972	Intel Corporation	24/11/2020	3929972	20209421.5	
3930145	Huawei Digital Power Technologies Co., Ltd.	17/08/2020	3930145	20921137.4	
3930286	Proofpoint, Inc.	04/06/2021	3930286	21177870.9	
3930658	Smartfreez Lda	21/02/2020	3930658	20713368.7	
3930905	SaniSure, Inc.	19/05/2021	3930905	21773682.6	
3930980	ANYBRID GmbH	20/02/2020	3930980	20706475.9	German
3931531	GM Cruise Holdings LLC	30/11/2019	3931531	19824150.7	
3932014	Adtran, Inc.	29/01/2020	3932014	20708357.7	
3932163	CLAAS Selbstfahrende Erntemaschinen GmbH	27/05/2021	3932163	21176275.2	German
3932449	CardiacAssist, Inc.	18/06/2021	3932449	21180399.4	
3932508	Traxxas LP	01/07/2021	3932508	21183318.1	
3932664	Corning Incorporated	29/06/2021	3932664	21182549.2	
3932688	Zhongchao Special Security Technology Co., Ltd	28/02/2020	3932688	20762241.6	
3932832	China Banknote Printing and Minting Corp. Autostore Technology AS	11/06/2019	3932832	21186410.3	

3933143	Haidl GmbH & Co. KG	03/07/2020	3933143	20184046.9	German
3933271	Panasonic Intellectual Property Management Co., Ltd.	06/11/2019	3933271	19917334.5	
3933423	Commissariat à l'Energie Atomique et aux Energies Alternatives	23/06/2021	3933423	21181069.2	French
3935295	Carefusion 303 Inc.	03/03/2020	3935295	20716037.5	
3935919	Tridonic GmbH & Co. KG	11/03/2020	3935919	20715280.2	
3936041	Nitto Denko Corporation	04/03/2020	3936041	20770517.9	
3936204	Sony Interactive Entertainment LLC	08/07/2021	3936204	21184603.5	
3937095	Siemens Aktiengesellschaft	07/07/2020	3937095	20184380.2	
3937188	Rolls-Royce SMR Limited	15/11/2019	3937188	21187699.0	
3937269	Samsung Display Co., Ltd.	07/07/2021	3937269	21184146.5	
3937716	NIKE Innovate C.V.	11/03/2020	3937716	20716071.4	
3939881	Japan Hamworthy & Co., Ltd	21/11/2019	3939881	19919293.1	
3940077	Bioleaders Corporation	10/10/2019	3940077	19870792.9	
3940117	De Nora Permelec Ltd NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY	11/03/2020	3940117	20769871.3	
3940498	Systec & Solutions GmbH	17/07/2020	3940498	20000257.4	German
3940626	Panasonic Intellectual Property Corporation of America	25/11/2019	3940626	19918828.5	
3940869	Rolls-Royce plc	30/06/2021	3940869	21182649.0	
3940946	Wang, Xiaobing Li, Liangqing Chargueraud, Thierry	18/12/2020	3940946	20215369.8	
3941009	Commissariat à l'Energie Atomique et aux Energies Alternatives	13/07/2021	3941009	21185423.7	French
3941345	Medtronic, Inc.	19/03/2020	3941345	20719831.8	
3941402	Smith & Nephew plc	18/03/2020	3941402	20712540.2	
3941650	Hilti Aktiengesellschaft	19/03/2019	3941650	19714559.2	German
3941688	ABB Schweiz AG	22/03/2019	3941688	19713437.2	
3941853	Fives Intralogistics Corp.	23/03/2020	3941853	20778269.9	
3942716	Ampere SAS	03/02/2020	3942716	20702309.4	French
3942919	Maschinenfabrik Bernard Krone GmbH & Co. KG	13/07/2021	3942919	21185323.9	German
3943393	B/E Aerospace, Inc.	22/07/2021	3943393	21187267.6	
3943441	MartinMechanic Friedrich Martin GmbH & Co. KG	20/07/2021	3943441	21186763.5	German
3943480	LG CHEM, LTD.	01/07/2020	3943480	20866479.7	
3943482	Chirogate International Inc.	01/07/2021	3943482	21183196.1	
3944028	Huawei Technologies Co., Ltd.	14/04/2020	3944028	20791153.8	
3944392	LG Energy Solution, Ltd.	21/08/2020	3944392	20855458.4	
3944685	Huawei Technologies Co., Ltd.	28/03/2019	3944685	19921257.2	
3946606	Insilico Medicine IP Limited	27/03/2020	3946606	20721011.3	
3946942	Philip Morris Products, S.A.	24/03/2020	3946942	20711979.3	
3947295	Prodose	25/03/2019	3947295	19720143.7	French
3947975	Copeland LP	28/03/2020	3947975	20782264.4	
3948391	Robert Bosch GmbH	24/03/2020	3948391	20717099.4	German
3948861	Nokia Technologies Oy	26/03/2020	3948861	20778687.2	
3949364	British Telecommunications public limited company	17/03/2020	3949364	20710198.1	
3949527	ZTE Corporation	02/04/2019	3949527	19923412.1	
3949639	QUALCOMM Incorporated	18/03/2020	3949639	20719816.9	
3950045	Heraeus Medevio GmbH & Co. KG	04/08/2020	3950045	20189385.6	
3950238	Krosakiharima Corporation	19/03/2020	3950238	20778340.8	
3950289	Sumitomo Rubber Industries, Ltd.	21/11/2014	3950289	21199740.8	
3951275	Trane International Inc.	02/08/2021	3951275	21189234.4	
3951295	Haier Smart Home Co., Ltd. Haier US Appliance Solutions, Inc.	31/03/2020	3951295	20784753.4	
3951345	NEC Corporation	29/11/2019	3951345	19920901.6	
3951548	OMRON Corporation	05/03/2020	3951548	20782171.1	

3951838	Mitsui Chemicals ICT Materia, Inc.	26/03/2020	3951838	20777870.5	
3951890	TORAY INDUSTRIES, INC.	06/03/2020	3951890	20778554.4	
3952236	Beijing Xiaomi Mobile Software Co., Ltd.	18/04/2019	3952236	19925024.2	
3953192	Bridgestone Americas Tire Operations, LLC	19/03/2020	3953192	20790837.7	
3953316	NV Bekaert SA	24/02/2020	3953316	20705225.9	
3953515	SANTONI S.p.A.	09/04/2020	3953515	20717322.0	
3954193	FJ Dynamics Technology Co., Ltd	23/09/2019	3954193	19923831.2	
3954316	Tinavi Medical Technologies Co., Ltd.	16/11/2020	3954316	20924230.4	
3954736	ENEOS Materials Corporation	08/04/2020	3954736	20787322.5	
3955078	FJ Dynamics Technology Co., Ltd	20/09/2019	3955078	19924166.2	
3955305	BOE TECHNOLOGY GROUP CO., LTD. Chengdu BOE Optoelectronics Technology Co., Ltd.	01/11/2019	3955305	19921020.4	
3955376	VEGA Grieshaber KG	12/08/2020	3955376	20190652.6	German
3955479	Huawei Technologies Co., Ltd.	24/04/2020	3955479	20798158.0	
3955639	China Mobile Communication Co., Ltd Research Institute CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.	17/06/2020	3955639	20827127.0	
3955836	Warsaw Orthopedic, Inc.	23/10/2019	3955836	19924743.8	
3955849	Koninklijke Philips N.V.	09/04/2020	3955849	20716820.4	
3956095	Aperam	16/04/2019	3956095	19721851.4	French
3957245	Biosense Webster (Israel) Ltd.	16/08/2021	3957245	21191449.4	
3958117	Huawei Technologies Co., Ltd.	18/06/2020	3958117	20826653.6	
3958471	Schlage Lock Company LLC	16/08/2013	3958471	21188086.9	
3958508	ZTE Corporation	05/03/2020	3958508	20791480.5	
3958541	Compellent Technologies	12/02/2014	3958541	21194210.7	
3958622	Huawei Technologies Co. Ltd.	26/05/2020	3958622	20815551.5	
3958760	Warsaw Orthopedic, Inc.	23/04/2019	3958760	19925884.9	
3958991	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	09/04/2020	3958991	20717872.4	French
3959596	Apple Inc.	31/03/2020	3959596	20720310.0	
3960108	Creo Medical Limited	12/10/2018	3960108	21199961.0	
3960171	China Medical University	24/04/2020	3960171	20796014.7	
3960382	Panasonic Intellectual Property Management Co., Ltd.	30/01/2020	3960382	20795455.3	
3960427	Teepack Spezialmaschinen GmbH & Co. KG	31/08/2020	3960427	20193603.6	German
3960654	Xiangtan Haokang Ecological Materials Co., Ltd	21/02/2020	3960654	20858493.8	
3961037	Copeland Climate Technologies (Suzhou) Co., Ltd.	29/11/2019	3961037	19926306.2	
3961222	SYSMEX CORPORATION	20/08/2021	3961222	21192345.3	
3961297	JIANGSU HERITAGE OPTICAL TECHNOLOGY CO., LTD.	22/04/2020	3961297	20796391.9	
3961633	Changxin Memory Technologies, Inc.	11/11/2020	3961633	20936097.3	
3962028	Huawei Technologies Co., Ltd.	12/03/2020	3962028	20814487.3	
3962426	The Procter & Gamble Company	29/04/2020	3962426	20728841.6	
3962773	Magna Seating Inc.	15/07/2020	3962773	20757201.7	
3963181	The University of Queensland	01/05/2020	3963181	20798295.0	
3964149	Buffalo Filter LLC	14/12/2016	3964149	21202994.6	
3964934	Huawei Technologies Co., Ltd.	29/06/2020	3964934	20834328.5	
3964956	Samsung Electronics Co., Ltd.	10/08/2021	3964956	21190626.8	
3965653	Hyperfine, Inc.	01/05/2020	3965653	20727770.8	
3965706	Mast, Jonas	13/03/2020	3965706	20713214.3	German
3966348	HP Health Solutions Germany GmbH	06/05/2020	3966348	20726000.1	German
3966436	SARUS SAS	07/05/2019	3966436	19742891.5	
3966446	Blade Dynamics Limited	08/05/2020	3966446	20805216.7	
3966653	Aktiebolaget Electrolux	09/05/2019	3966653	19724391.8	
3967526	Continental Reifen Deutschland GmbH	16/08/2021	3967526	21191453.6	German

3967557	TOYOTA JIDOSHA KABUSHIKI KAISHA	27/07/2021	3967557	21187862.4	
3967573	Nanjing University of Aeronautics and Astronautics	14/05/2020	3967573	20850637.8	
3968081	Samsung Display Co., Ltd.	11/08/2021	3968081	21190832.2	
3968279	Novocure GmbH	07/01/2020	3968279	21205147.8	
3968442	LG Energy Solution, Ltd.	06/11/2020	3968442	20885150.1	
3969150	KX Technologies LLC	18/05/2020	3969150	20809501.8	
3969575	4basebio UK Ltd	15/05/2020	3969575	20730981.6	
3970192	Google LLC	12/09/2020	3970192	20780893.2	
3970464	Kubota Corporation	07/09/2021	3970464	21195206.4	
3970679	Liko Research & Development AB	10/09/2021	3970679	21196156.0	
3970695	Aivita Biomedical, Inc.	16/11/2018	3970695	21207848.9	
3970789	Implantica Patent Ltd.	19/07/2010	3970789	21202978.9	
3970837	Nanjing Tech University	19/06/2020	3970837	20912201.9	
3970997	BRIDGESTONE CORPORATION	07/05/2020	3970997	20806641.5	
3971235	Stratasys, Inc.	05/11/2014	3971235	21200893.2	
3972530	St. Jude Medical, Cardiology Division, Inc.	15/05/2020	3972530	20729595.7	
3972903	BAE SYSTEMS plc	07/05/2020	3972903	20725895.5	
3973508	DeepMind Technologies Limited	20/05/2020	3973508	20727974.6	
3973639	QUALCOMM INCORPORATED	15/05/2020	3973639	20730837.0	
3974224	Suzuki Motor Corporation	01/09/2021	3974224	21194406.1	
3975281	Contemporary Amperex Technology (Hong Kong) Limited	07/09/2020	3975281	20865882.3	
3977051	TomTom Global Content B.V.	25/05/2020	3977051	20728026.4	
3978039	SNCF Voyageurs	04/10/2021	3978039	21200667.0	French
3978283	Jing-Jin Electric Technologies Co., Ltd.	15/05/2020	3978283	20882839.2	
3978401	Flexible Steel Lacing Company	11/11/2016	3978401	21203504.2	
3979034	Advanced Laboratory on Embedded Systems S.r.l.	05/10/2020	3979034	20425041.9	
3979808	Société des Produits Nestlé S.A.	04/06/2020	3979808	20729771.4	
3980690	Femas Metal San. Ve Tic. A.S.	10/07/2019	3980690	19937243.4	
3981100	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	05/06/2020	3981100	20730050.0	
3981681	Park, Keun Ho	08/07/2020	3981681	20839860.2	
3981914	Lee & B Inc.	04/06/2020	3981914	20817665.1	
3982000	ZF CV Systems Europe BV	06/10/2020	3982000	20200267.1	
3982074	Hangzhou Sanhua Research Institute Co., Ltd.	25/09/2020	3982074	20875183.4	
3982114	Eitel, Veronika	05/10/2021	3982114	21000282.0	German
3982127	Thermo Fisher Scientific (Bremen) GmbH	29/09/2021	3982127	21199719.2	
3982508	The Boeing Company	05/10/2021	3982508	21200881.7	
3983588	SANTONI S.p.A.	03/06/2020	3983588	20730335.5	
3984594	The Regents of the University of California	20/11/2015	3984594	21196588.4	
3984768	BRIDGESTONE CORPORATION	27/05/2020	3984768	20822192.9	
3984770	BRIDGESTONE CORPORATION	27/05/2020	3984770	20822945.0	
3984777	BRIDGESTONE CORPORATION	11/06/2020	3984777	20822555.7	
3984778	BRIDGESTONE CORPORATION	11/06/2020	3984778	20823496.3	
3985861	Blackburn Energy, Inc.	29/04/2016	3985861	21189727.7	
3985986	Adeia Guides Inc.	09/05/2017	3985986	21192014.5	
3986038	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	08/11/2019	3986038	19951979.4	
3986068	LG Electronics Inc.	29/06/2020	3986068	20830696.9	
3986285	Mackool, Richard	02/06/2020	3986285	20831393.2	
3986318	Medivators Inc.	08/06/2020	3986318	20827947.1	
3987209	TECHNIP N-POWER	22/06/2020	3987209	20747018.8	French
3987280	ELLONA	22/11/2019	3987280	19806242.4	French
3987691	Xilinx, Inc.	01/06/2020	3987691	20746463.7	
3987725	Siemens Industry, Inc.	29/07/2019	3987725	19746560.2	
3988515	SUMITOMO ELECTRIC INDUSTRIES, LTD.	10/06/2020	3988515	20826356.6	
3988787	Andreas Stihl AG & Co. KG	26/10/2020	3988787	20203837.8	German



3988949	Hitachi, Ltd.	30/03/2020	3988949	20825125.6	
3989214	Samsung Display Co., Ltd.	11/10/2021	3989214	21202011.9	
3989802	Starkey Laboratories, Inc.	25/06/2020	3989802	20742569.5	
3991897	The Stanley Works Israel Ltd.	02/11/2020	3991897	20205128.0	
3992000	Deere & Company	06/10/2021	3992000	21201284.3	
3992007	TOYOTA JIDOSHA KABUSHIKI KAISHA	01/09/2021	3992007	21194411.1	
3992132	Otis Elevator Company	02/11/2021	3992132	21206076.8	
3992411	Decora Blind Systems Limited	02/11/2020	3992411	20205276.7	
3992435	PRATT & WHITNEY CANADA CORP.	02/11/2021	3992435	21206045.3	
3992629	Next & Bio Inc.	25/06/2020	3992629	20941721.1	
3992773	Vocollect, Inc.	27/10/2021	3992773	21205020.7	
3992826	KYOCERA Document Solutions Inc.	23/06/2020	3992826	20833596.8	
3993581	Samsung Electronics Co., Ltd.	08/11/2019	3993581	19941466.5	
3993627	Hilaltrade AG	30/06/2020	3993627	20743591.8	German
3995256	The Boeing Company	15/09/2021	3995256	21196990.2	
3995664	Renson NV	09/11/2021	3995664	21207209.4	
3995932	Samsung Display Co., Ltd.	28/10/2021	3995932	21205166.8	
3996118	Unick Corporation	26/10/2021	3996118	21204802.9	
3996221	Phoenix Contact GmbH & Co. KG	02/11/2021	3996221	21205855.6	German
3996577	Imeson, Shale	01/07/2020	3996577	20836903.3	
3997118	Clara Foods Co.	10/07/2020	3997118	20836348.1	
3997839	Microsoft Technology Licensing, LLC	17/05/2020	3997839	20732013.6	
3998137	Bridgestone Bandag, LLC	18/11/2016	3998137	22150160.4	
3998249	LG Chem, Ltd.	03/06/2021	3998249	21818350.7	
3998463	Endress+Hauser Flowtec AG	16/11/2016	3998463	22150346.9	German
3998523	Tencent Technology (Shenzhen) Company Limited	09/11/2020	3998523	20917924.1	
3999881	ConocoPhillips Company	21/07/2020	3999881	20844077.6	
4000246	Euroatlas GmbH	09/06/2020	4000246	20732541.6	
4000343	Google LLC	23/07/2020	4000343	20754497.4	
4000385	Bensch, Jonas Van Aken, Thomas Decuyper, Xavier	23/11/2020	4000385	20209352.2	
4000421	Korea Institute of Science and Technology	17/11/2021	4000421	21208822.3	
4000422	Deutsches Institut für Lebensmitteltechnik e.V.	15/11/2021	4000422	21208345.5	German
4000535	Covidien LP	18/11/2021	4000535	21208946.0	
4000841	The Boeing Company	10/11/2021	4000841	21207356.3	
4000842	The Boeing Company	10/11/2021	4000842	21207367.0	
4000866	Chromatic 3D Materials Inc.	06/12/2017	4000866	22150882.3	
4001128	The Boeing Company	10/11/2021	4001128	21207506.3	
4001134	Aranguren Comercial del Embalaje, S.L.U.	19/11/2021	4001134	21209270.4	
4001193	Saurer Spinning Solutions GmbH & Co. KG	16/11/2021	4001193	21208369.5	German
4001262	Shanghai Modern Pharmaceutical Engineering Research Center Co., Ltd. Shanghai Institute of Pharmaceutical Industry	14/07/2020	4001262	20840790.8	
4001518	Hitachi Construction Machinery Co., Ltd.	12/03/2021	4001518	21776234.3	
4001526	OLI - SISTEMAS SANITARIOS, S.A.	19/11/2021	4001526	21209349.6	
4001617	RTX Corporation	19/11/2021	4001617	21209410.6	
4001618	RTX Corporation	19/11/2021	4001618	21209416.3	
4001746	Just Lux S.r.l	17/11/2021	4001746	21208857.9	
4001777	R.B.M. S.p.A.	19/11/2021	4001777	21209373.6	
4001889	Universita' Degli Studi Dell'Aquila	19/11/2021	4001889	21209339.7	
4001905	Quaesta Instruments, LLC	23/11/2021	4001905	21209958.4	
4001959	Smart Radar System, Inc.	17/05/2021	4001959	21174079.0	
4002016	Montres Breguet S.A.	20/11/2020	4002016	20208925.6	French
4002179	ABB Schweiz AG	17/11/2020	4002179	20208137.8	

4002331	VeriQloud Sorbonne Université Centre National de la Recherche Scientifique	18/11/2020	4002331	20306398.7	
4002370	Commissariat à l'Energie Atomique et aux Energies Alternatives	18/11/2021	4002370	21209143.3	French
4002395	Prysmian S.p.A.	04/11/2021	4002395	21206417.4	
4002551	LG ENERGY SOLUTION, LTD.	06/11/2020	4002551	20885468.7	
4002959	Siteco GmbH	11/11/2021	4002959	21207812.5	German
4005196	Samsung Electronics Co., Ltd.	13/11/2020	4005196	20889400.6	
4005467	Biosense Webster (Israel) Ltd	24/11/2021	4005467	21210175.2	
4005731	Consiglio Nazionale Delle Ricerche - CNR	18/11/2021	4005731	21208976.7	
4005927	Airbus Operations, S.L.U.	25/11/2020	4005927	20383027.8	
4006650	Omega SA	27/11/2020	4006650	20210222.4	French
4006654	The Swatch Group Research and Development Ltd	30/11/2020	4006654	20210655.5	French
4006822	Sporttotal Technology GmbH	25/11/2021	4006822	21210579.5	German
4006874	TOYOTA JIDOSHA KABUSHIKI KAISHA Continental Automotive GmbH	02/07/2020	4006874	20848473.3	
4007202	Huawei Technologies Co., Ltd.	24/07/2020	4007202	20850106.4	
4007328	Huawei Technologies Co. Ltd.	06/07/2016	4007328	21208764.7	
4007985	Salesforce, Inc.	10/12/2020	4007985	20825003.5	
4008089	Sony Group Corporation	02/09/2020	4008089	20771360.3	
4008495	General Electric Company Oliver Crispin Robotics Limited	15/11/2021	4008495	21208346.3	
4008518	Sacmi Imola S.C.	26/11/2021	4008518	21210750.2	
4008528	Pacraft Co., Ltd.	17/11/2021	4008528	21208745.6	
4008557	RISO Technologies Corporation	14/09/2021	4008557	21196499.4	
4008682	KRONES AG	01/12/2021	4008682	21211660.2	German
4008806	Recherche 2000 Inc.	26/11/2021	4008806	21210902.9	
4008853	Illinois Tool Works, Inc.	08/11/2021	4008853	21206974.4	
4008925	Shanghai Yanfeng Jinqiao Automotive Trim Systems Co., Ltd.	29/07/2020	4008925	20846539.3	
4008944	Baker Hughes Oilfield Operations LLC	24/11/2021	4008944	21210324.6	
4009178	Ricoh Company, Ltd.	30/11/2021	4009178	21211510.9	
4009478	Metabowerke GmbH	25/11/2021	4009478	21210346.9	German
4010472	Mission Bio, Inc.	05/08/2020	4010472	20850363.1	
4010700	TESTCARD LTD.	04/06/2020	4010700	20732279.3	
4011111	QUALCOMM Incorporated	05/08/2020	4011111	20757802.2	
4011304	SMARTWAVE MEDICAL HK LIMITED	30/04/2020	4011304	20851172.5	
4011424	Löwenstein Medical Technology S.A.	24/11/2021	4011424	21020592.8	German
4011606	The Boeing Company	10/11/2021	4011606	21207369.6	
4011649	LEE, Young Gi	13/04/2020	4011649	20821098.9	
4011816	Otis Elevator Company	30/11/2021	4011816	21211341.9	
4011820	KRONES Aktiengesellschaft	09/11/2021	4011820	21207061.9	German
4011868	Zhangzhou Pien Tze Huang Pharmaceutical Co., Ltd.	04/08/2020	4011868	20849494.8	
4012538	Wacom Co., Ltd.	01/09/2020	4012538	20875171.9	
4013207	CNH Industrial America LLC	12/08/2020	4013207	20761454.6	
4013818	Fondazione Istituto Italiano di Tecnologia Novacart S.P.A.	10/08/2020	4013818	20765077.1	
4014234	Nokia Technologies Oy	27/07/2020	4014234	20854517.8	
4014251	Applied Materials, Inc.	31/07/2020	4014251	20851499.2	
4014893	Ethicon LLC	23/03/2016	4014893	22152848.2	
4015000	ZHEJIANG YANGSHENGTANG INSTITUTE OF NATURAL MEDICATION CO., LTD.	30/07/2020	4015000	20853363.8	
4015026	Korea University Research and Business Foundation	14/08/2020	4015026	20854741.4	
4015298	SNCF Réseau	10/12/2021	4015298	21213867.1	French
4015431	Otis Elevator Company	25/11/2021	4015431	21210593.6	

4015869	K+G Pneumatik GmbH	07/01/2021	4015869	22156572.4	German
4016168	Huawei Technologies Co., Ltd.	07/09/2020	4016168	20860419.9	
4016218	Aurora Flight Sciences Corporation	16/11/2021	4016218	21208461.0	
4016905	ZTE Corporation	13/08/2020	4016905	20852544.4	
4017054	The Boeing Company	23/11/2021	4017054	21209797.6	
4017055	The Boeing Company	23/11/2021	4017055	21209852.9	
4017815	TGW Logistics Group GmbH	21/08/2020	4017815	20780899.9	German
4018330	Micron Technology, Inc.	11/08/2020	4018330	20855472.5	
4018373	Giesecke+Devrient ePayments GmbH	17/08/2020	4018373	20760772.2	German
4018526	Samsung Electronics Co., Ltd.	16/10/2020	4018526	20877054.5	
4018811	AGCO International GmbH	10/11/2021	4018811	21207441.3	
4019269	Toppan Printing Co., Ltd.	30/06/2017	4019269	22155396.9	
4019778	WILO SE	08/11/2021	4019778	21206929.8	German
4020042	Google LLC	22/04/2021	4020042	22157233.2	
4020223	Intel Corporation	24/09/2021	4020223	21198710.2	
4020226	Intel Corporation	08/09/2021	4020226	21195477.1	
4021139	Vivo Mobile Communication Co., Ltd.	11/08/2020	4021139	20854280.3	
4021547	Becton, Dickinson and Company	13/08/2020	4021547	20761976.8	
4021727	Siemens Industry Software Inc.	29/08/2019	4021727	19766426.1	
4022171	SAFRAN AIRCRAFT ENGINES	01/10/2020	4022171	20793033.0	French
4022487	Siemens Industry Software Inc.	27/08/2019	4022487	219765897.4	
4022605	Microsoft Technology Licensing, LLC	11/06/2020	4022605	20750851.6	
4022770	Robert Bosch GmbH	13/08/2020	4022770	20757296.7	German
4023010	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	03/11/2020	4023010	20885109.7	
4023033	QUALCOMM INCORPORATED	27/08/2020	4023033	20858507.5	
4023619	Furukawa Electric Co., Ltd.	27/08/2020	4023619	20858408.6	
4023828	XIAMEN R&T PLUMBING TECHNOLOGY CO., LTD.	17/07/2020	4023828	20878892.7	
4024069	BYD Company Limited	25/09/2020	4024069	20870190.4	
4024100	Rockley Photonics Limited	16/07/2018	4024100	22152318.6	
4024374	Huawei Technologies Co., Ltd.	20/08/2020	4024374	20860088.2	
4024729	Huawei Technologies Co., Ltd.	28/08/2020	4024729	20888581.4	
4024734	Sony Group Corporation	09/11/2020	4024734	20886516.2	
4024794	Huawei Technologies Co., Ltd.	11/09/2020	4024794	20864208.2	
4025017	Kyocera Corporation	28/08/2020	4025017	20859030.7	
4025312	Valve Corporation	22/10/2020	4025312	20879954.4	
4025399	Safran Nacelles	03/09/2020	4025399	20786009.9	French
4025482	Robert Bosch GmbH	02/09/2020	4025482	20767514.1	German
4025960	FOCUSBUG TECHNOLOGIES INC.	08/11/2021	4025960	21863055.6	
4026229	Schaeffler Technologies AG & Co. KG	07/08/2020	4026229	20774869.0	German
4026303	Google LLC	03/11/2020	4026303	20816018.4	
4026371	Samsung Electronics Co., Ltd.	07/10/2020	4026371	20874006.8	
4026733	Ichihok Industries, Ltd.	10/06/2020	4026733	20823393.2	
4027022	SMC Corporation	03/08/2020	4027022	20860012.2	
4027101	EP Arms GmbH	03/12/2021	4027101	21212363.2	German
4027158	Nio Technology (Anhui) Co., Ltd	14/04/2021	4027158	21168363.6	
4027927	Candela Corporation	10/09/2020	4027927	20788917.1	
4028204	TRUMPF Laser- und Systemtechnik SE	28/07/2020	4028204	20747388.5	German
4029317	Samsung Electronics Co., Ltd.	02/11/2020	4029317	20883259.2	
4029431	Optos PLC	10/11/2021	4029431	21207444.7	
4029952	Bruker Spatial Biology, Inc.	19/11/2015	4029952	22150167.9	
4031345	Spirit AeroSystems, Inc.	10/09/2020	4031345	20865282.6	
4031533	ScinoPharm Taiwan, Ltd.	17/09/2020	4031533	20865568.8	
4032182	Huawei Technologies Co., Ltd.	08/10/2019	4032182	19787178.3	
4033016	Saurer Spinning Solutions GmbH & Co. KG	13/01/2022	4033016	22151302.1	German
4033259	Analog Devices International Unlimited Company	28/08/2018	4033259	22160944.9	
4033329	Google LLC	29/11/2021	4033329	21211004.3	
4034187	CardiacAssist, Inc.	24/09/2020	4034187	20789757.0	
4034209	Koninklijke Philips N.V.	10/09/2020	4034209	20771286.0	

4034634	Koninklijke Philips N.V.	24/09/2020	4034634	20775022.5	
4034772	Topcon Positioning Systems, Inc.	22/08/2020	4034772	20781131.6	
4034931	Imperial College Innovations Limited	21/09/2020	4034931	20796878.5	
4035076	Evigia Systems, Inc.	24/09/2020	4035076	20868869.7	
4035610	Boston Scientific Scimed, Inc.	22/07/2020	4035610	21217777.8	
4035614	Eberle GmbH & Co. KG	29/11/2021	4035614	21211052.2	German
4036375	RTX Corporation	26/01/2022	4036375	22153535.4	
4036592	Carrier Corporation	25/01/2022	4036592	22153197.3	
4037744	Koninklijke Philips N.V.	22/09/2020	4037744	20776129.7	
4037829	Dow Global Technologies LLC	23/09/2020	4037829	20786665.8	
4038434	Centrale Marseille Université d'Aix Marseille Centre national de la recherche scientifique	28/09/2020	4038434	20793265.8	
4038985	Qualcomm Incorporated	01/10/2020	4038985	20797271.2	
4039058	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	08/09/2020	4039058	20771645.7	
4039672	Hanwha Solutions Corporation	26/10/2020	4039672	20881013.5	
4039893	Vysoké učené technické v Brne	31/01/2022	4039893	22154161.8	
4039994	Goodrich Actuation Systems Limited	08/02/2021	4039994	21275012.9	
4040049	LG Electronics Inc.	24/01/2022	4040049	22152946.4	
4040054	Panasonic Intellectual Property Management Co., Ltd.	20/10/2021	4040054	21203586.9	
4040433	Deutsche Telekom AG	04/02/2021	4040433	21155121.3	German
4040692	Rockwell Collins, Inc.	09/02/2022	4040692	22155963.6	
4041048	S&N Orion Prime, S.A.	07/10/2020	4041048	20874325.2	
4042007	SAFRAN	05/10/2020	4042007	20796633.4	French
4042437	Cilag GmbH International	29/09/2021	4042437	21787058.3	
4042613	Ciena Corporation	02/11/2021	4042613	21810853.8	
4043310	TOYOTA JIDOSHA KABUSHIKI KAISHA	01/02/2022	4043310	22154648.4	
4043551	Bühler AG	12/02/2021	4043551	21156945.4	
4043639	MP Global Products LLC	07/11/2017	4043639	22152100.8	
4043886	Lansion Biotechnology Co., Ltd.	17/02/2020	4043886	20911937.9	
4043926	Shenzhen Goodix Technology Co., Ltd.	26/10/2020	4043926	20923710.6	
4044356	Shenzhen Bak Power Battery Co., Ltd.	06/08/2021	4044356	21870549.9	
4044419	Rockwell Automation Technologies, Inc.	21/01/2022	4044419	22152689.0	
4044681	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	21/02/2020	4044681	20919810.0	
4045224	TRUMPF Laser- und Systemtechnik SE	16/10/2020	4045224	20803068.4	German
4045245	Bright Machines, Inc.	12/11/2020	4045245	20820747.2	
4045356	ZIM Aircraft Seating GmbH	04/03/2021	4045356	21714100.1	German
4045772	Siemens Energy Global GmbH & Co. KG	22/10/2020	4045772	20804442.0	German
4045857	BSH Hausgeräte GmbH	24/09/2020	4045857	20780662.1	German
4046423	Google LLC	06/11/2020	4046423	20816791.6	
4046542	New-Tec Integration (Xiamen) Co., Ltd.	16/10/2020	4046542	20875921.7	
4047340	Schenck RoTec GmbH	07/02/2022	4047340	22155492.6	German
4047496	ValidSoft Limited	16/02/2022	4047496	22157148.2	
4048554	Valeo Vision	26/10/2020	4048554	20800582.7	
4048844	Merlet, Clarisse	21/10/2020	4048844	20797074.0	French
4049047	Protean Electric Limited	22/10/2020	4049047	20803262.3	
4049075	Fujikura Ltd.	22/10/2020	4049075	20800734.4	
4049216	Flexa Inc.	17/11/2020	4049216	20893311.9	
4049298	Arizona Board of Regents on behalf of Arizona State University	23/10/2020	4049298	20879959.3	
4049403	Visa International Service Association	24/11/2020	4049403	20878595.6	
4049437	Samsung Electronics Co., Ltd.	30/11/2020	4049437	20905614.2	
4050006	SK Biopharmaceuticals Co., Ltd.	22/10/2020	4050006	20879400.8	
4050074	Société BIC Université de Haute Alsace Centre national de la recherche scientifique	25/02/2021	4050074	21305223.6	
4050141	Changzhou Xinhui Netting Co., Ltd.	26/05/2020	4050141	20914088.8	
4050354	Mitsubishi Electric Corporation	25/02/2021	4050354	21305220.2	

4050480	Google LLC	12/07/2021	4050480	21185032.6	
4050819	Vivo Mobile Communication Co., Ltd.	26/10/2020	4050819	20881467.3	
4050852	BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.	21/08/2020	4050852	20878647.5	
4051048	PA.COTTE SA	03/11/2020	4051048	20797783.6	French
4051599	Renault s.a.s	21/10/2020	4051599	20796564.1	French
4051601	Ceva Santé Animale	27/10/2020	4051601	20796590.6	French
4051920	Schaeffler Technologies AG & Co. KG	15/10/2020	4051920	20799988.9	German
4052450	Microsoft Technology Licensing, LLC	19/10/2020	4052450	20807162.1	
4052522	QUALCOMM INCORPORATED	01/11/2019	4052522	19951100.7	
4052840	C.M.S. S.p.A.	28/02/2022	4052840	22159263.7	
4053392	Cofex	02/03/2022	4053392	22159697.6	French
4053639	ROLEX SA	04/03/2021	4053639	21160830.2	French
4054356	Philip Morris Products, S.A.	03/11/2020	4054356	20800139.6	
4054362	JT International SA	02/11/2020	4054362	20797768.7	
4054371	Globus (Shetland) Ltd.	04/11/2020	4054371	20812232.5	
4054862	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	06/11/2020	4054862	20819812.7	French
4054906	Safran Landing Systems	05/11/2020	4054906	20801267.4	French
4054958	Leonardo S.p.a.	06/11/2020	4054958	20817484.7	
4054959	Sanovo Technology Netherlands B.V.	06/11/2020	4054959	20800202.2	
4055130	TotalEnergies OneTech	05/11/2020	4055130	20799726.3	
4055189	Mirna Biosens, S.L.	04/11/2020	4055189	20808023.4	
4055300	Safran Landing Systems	06/11/2020	4055300	20800220.4	French
4055371	voestalpine Metal Forming GmbH	06/11/2020	4055371	20807897.2	
4055448	The Swatch Group Research and Development Ltd	05/11/2020	4055448	20799753.7	French
4055520	TOMRA Sorting GmbH	04/11/2020	4055520	20799709.9	
4055594	Samsung Electronics Co., Ltd.	27/11/2020	4055594	20894168.2	
4055735	Telefonaktiebolaget LM Ericsson (publ)	06/11/2020	4055735	20808196.8	
4055797	Microsoft Technology Licensing, LLC	07/11/2019	4055797	19951609.7	
4055838	Sivantos Pte. Ltd.	04/11/2019	4055838	19801504.2	German
4056206	Precise Bio Inc.	11/03/2021	4056206	21162122.2	
4056802	MHWirth GmbH	08/03/2019	4056802	22171391.0	German
4057574	STMicroelectronics Application GmbH STMicroelectronics Design and Application s.r.o.	22/02/2022	4057574	22157917.0	
4057598	Huawei Technologies Co., Ltd.	28/10/2020	4057598	20894088.2	
4057671	Beijing Xiaomi Mobile Software Co., Ltd.	06/11/2019	4057671	19951790.5	
4057739	LG Electronics Inc.	02/11/2020	4057739	20884674.1	
4057931	Oculus Optikgeräte GmbH	12/11/2020	4057931	20862014.6	
4057960	KCI Manufacturing Unlimited Company	11/11/2020	4057960	20808523.3	
4058005	Lantern Pharma Inc.	29/12/2021	4058005	21893114.5	
4058295	Hewlett-Packard Development Company, L.P.	14/11/2019	4058295	19952723.5	
4058424	Evonik Operations GmbH	04/11/2020	4058424	20797800.8	
4058460	F. Hoffmann-La Roche AG	12/11/2020	4058460	20829798.6	
4058514	Dow Global Technologies LLC	03/11/2020	4058514	20816687.6	
4058662	G+L Innotec GmbH	12/11/2020	4058662	20803213.6	German
4058757	Renishaw PLC	12/11/2020	4058757	20807002.9	
4058785	Hochschule Mannheim Südzucker AG	12/11/2020	4058785	20804550.0	German
4058830	RealD Spark, LLC	12/11/2020	4058830	20887756.3	
4058939	Google LLC	02/11/2020	4058939	20817542.2	
4059123	Università di Pisa	10/11/2020	4059123	20817488.8	
4059189	Microsoft Technology Licensing, LLC	28/10/2020	4059189	20815980.6	
4059585	Ito, Yoshiaki	11/11/2020	4059585	20887250.7	
4059588	Kanadevia Corporation Volcano Co., Ltd.	31/07/2020	4059588	20888646.5	
4059738	BRIDGESTONE CORPORATION	16/11/2020	4059738	20887485.9	
4060029	CJ CheilJedang Corporation	01/04/2021	4060029	21737531.0	
4060195	BSH Hausgeräte GmbH	17/03/2021	4060195	21163030.6	

4060253	Coway Co., Ltd.	18/11/2020	4060253	20896199.5	
4060300	Kidde Technologies, Inc.	07/03/2022	4060300	22160548.8	
4060499	Convida Wireless, LLC	25/04/2017	4060499	22170602.1	
4060815	DEHN SE	15/03/2022	4060815	22162218.6	German
4060829	komax Holding AG	16/03/2021	4060829	21162722.9	German
4060830	Siemens Energy Global GmbH & Co. KG	15/03/2022	4060830	22162071.9	
4061161	JT International SA	16/11/2020	4061161	20803862.0	
4061481	Bioretina Biyoteknoloji Ve Biyomedikal Saglik Yatirimlari Anonim Sirketi	06/12/2019	4061481	19953199.7	
4061494	Plum Products Holdings Pty Ltd	18/11/2020	4061494	20816566.2	
4061749	Oasys Healthcare Corporation	24/11/2020	4061749	20891265.9	
4061759	INVENTIO AG	10/11/2020	4061759	20801288.0	German
4061765	KHS GmbH	11/11/2020	4061765	20806976.5	German
4062025	Elavo CleanTech Ltd.	18/11/2020	4062025	20889702.5	
4062036	Nuovo Pignone Technologie - S.r.l.	12/11/2020	4062036	20808301.4	
4062038	Eaton Intelligent Power Limited	20/11/2020	4062038	20842189.1	
4062054	VESTAS WIND SYSTEMS A/S	20/11/2020	4062054	20812218.4	
4062062	VESTAS WIND SYSTEMS A/S	23/11/2020	4062062	20816403.8	
4062116	Sartorius Stedim North America Inc.	12/11/2020	4062116	20824367.5	
4062131	Endress+Hauser SE+Co. KG	09/11/2020	4062131	20804487.5	German
4062169	Cytiva Sweden AB	17/11/2020	4062169	20808359.2	
4062244	TRUMPF Werkzeugmaschinen SE + Co. KG	05/11/2020	4062244	20803140.1	German
4062262	NEXTMIND SAS	06/11/2020	4062262	20803806.7	
4062608	Endress+Hauser Flowtec AG	09/11/2020	4062608	20803818.2	German
4062659	Giesecke+Devrient Mobile Security Germany GmbH	20/11/2020	4062659	20819624.6	
4062690	THALES DIS FRANCE SAS	18/11/2020	4062690	20807390.8	
4062725	Carl Freudenberg KG	09/11/2020	4062725	20804492.5	German
4062923	Tasly Pharmaceutical Group Co., Ltd.	10/11/2020	4062923	20889147.3	
4063052	Nihon Shoryoku Kikai Co., Ltd.	27/01/2021	4063052	21887881.7	
4063133	Seiko Instruments Inc.	23/03/2022	4063133	22163750.7	
4063137	Osaka Sealing Printing Co., Ltd.	26/11/2019	4063137	19954347.1	
4063333	Glassomer GmbH Albert-Ludwigs-Universität Freiburg	26/03/2021	4063333	21165146.8	
4063434	LG Chem, Ltd.	17/08/2021	4063434	21880290.8	
4063665	Sulzer Management AG	19/11/2019	4063665	22169068.8	
4063994	Sony Group Corporation	23/03/2022	4063994	22163820.8	
4064002	STMicroelectronics International N.V.	10/03/2022	4064002	22161469.6	
4064058	Intel Corporation	26/01/2022	4064058	22153425.8	
4064715	QSC, LLC	15/11/2016	4064715	22173389.2	
4064860	Société des Produits Nestlé S.A.	27/11/2020	4064860	20811370.4	
4065210	Galvani Bioelectronics Limited	27/11/2020	4065210	20825167.8	
4065251	Donaldson Company, Inc.	25/11/2020	4065251	20828202.0	
4065420	VOLVO TRUCK CORPORATION	27/11/2019	4065420	19816225.7	
4065438	Nira Dynamics AB	27/11/2020	4065438	20816458.2	
4065502	Konecranes Global Corporation	25/11/2020	4065502	20892947.1	
4065566	Givaudan SA	26/11/2020	4065566	20816144.8	
4065888	Edwards Limited	24/11/2020	4065888	20815912.9	
4065901	Societe Commerciale et d'Engineering	25/11/2020	4065901	20820512.0	French
4065971	Waters Technologies Corporation	11/11/2020	4065971	20820001.4	
4066066	Nivarox-FAR S.A.	27/11/2020	4066066	20811381.1	French
4066318	Phoenix Contact GmbH & Co. KG	17/11/2020	4066318	20808346.9	German
4066321	HARTING Electric Stiftung & Co. KG	23/11/2020	4066321	20833719.6	German
4066562	ZTE Corporation	19/05/2020	4066562	20897308.1	
4066655	Shenzhen Eigate Technology Co., Ltd.	08/03/2022	4066655	22000051.7	
4067180	Kubota Corporation	22/11/2021	4067180	21209650.7	
4067198	Galdi, Vincenzo Stella, Piera Piccolo, Antonio Calderaro, Vito Hitachi Rail STS S.p.A.	31/03/2022	4067198	22165949.3	

4067338	Nitto Kasei Co., Ltd.	25/11/2020	4067338	20892466.2	
4067390	DL Chemical Co., Ltd.	29/03/2022	4067390	22164890.0	
4068272	Sony Group Corporation	17/11/2020	4068272	20894684.8	
4068712	STMicroelectronics S.r.l.	29/03/2022	4068712	22164899.1	
4068834	CHINA MOBILE COMMUNICATION CO., LTD. RESEARCH INSTITUTE CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.	30/11/2020	4068834	20896614.3	
4068894	Nokia Technologies Oy	07/03/2022	4068894	22160520.7	
4069395	ExxonMobil Technology and Engineering Company	11/11/2020	4069395	20817589.3	
4070062	Endress+Hauser SE+Co. KG	20/11/2020	4070062	20811583.2	German
4070387	Meta Platforms Technologies, LLC	06/11/2020	4070387	20819956.2	
4070413	Amphenol-Tuchel Electronics GmbH	25/11/2020	4070413	20816137.2	German
4070507	Cisco Technology, Inc.	23/11/2020	4070507	20828188.1	
4070521	Microsoft Technology Licensing, LLC	06/11/2020	4070521	20816776.7	
4071342	Leonardo S.p.A.	09/06/2021	4071342	22175604.2	
4071371	Illinois Tool Works Inc.	04/01/2022	4071371	22150121.6	
4071547	Tovis Co., Ltd.	16/11/2020	4071547	20895009.7	
4072882	Ampere SAS	19/11/2020	4072882	20807041.7	French
4073363	Scania CV AB	26/11/2020	4073363	20898268.6	
4073405	Nuovo Pignone Technologie - S.r.l.	27/11/2020	4073405	20842193.3	
4073607	Endress+Hauser Process Solutions AG	20/11/2020	4073607	20811587.3	German
4074490	DMG Mori Additive GmbH	15/04/2022	4074490	22000103.6	German
4074791	POSCO	15/10/2020	4074791	20898733.9	
4074975	Daikin Industries, Ltd.	25/11/2020	4074975	20899316.2	
4074983	Robert Bosch GmbH	11/04/2022	4074983	22167615.8	German
4075262	Baker Hughes Holdings LLC	15/04/2022	4075262	22168673.6	
4075267	Huawei Cloud Computing Technologies Co., Ltd.	16/09/2020	4075267	20904984.0	
4077885	Caterpillar Inc.	23/11/2020	4077885	20825347.6	
4078362	Microsoft Technology Licensing, LLC	11/11/2020	4078362	20819988.5	
4078890	Qualcomm Incorporated	24/11/2020	4078890	20828429.9	
4079531	BRIDGESTONE CORPORATION	16/06/2020	4079531	20901808.4	
4079635	Insitu, Inc. (a Subsidiary Of The Boeing Company)	07/03/2022	4079635	22160588.4	
4079701	THALES	19/04/2022	4079701	22168778.3	French
4080105	Hochschule für Technik und Wirtschaft Dresden (FH) Prorektor F/E, Forschungskoordinierungsstelle Leibniz-Institut für Festkörper- und Werkstoffforschung Dresden e.V.	12/04/2022	4080105	22167749.5	German
4080109	Zumtobel Lighting GmbH	21/04/2022	4080109	22169165.2	German
4080194	Magic Leap, Inc.	02/11/2016	4080194	22178820.1	
4080249	Luxium Solutions, LLC	14/04/2017	4080249	22174855.1	
4080307	TOYOTA JIDOSHA KABUSHIKI KAISHA	31/03/2022	4080307	22165955.0	
4080321	Beijing Xiaomi Mobile Software Co., Ltd.	18/11/2021	4080321	21209070.8	
4080615	LG Energy Solution, Ltd.	19/01/2021	4080615	21747329.7	
4080688	Zumtobel Lighting GmbH	21/04/2021	4080688	21169548.1	
4080810	Avago Technologies International Sales Pte. Limited	13/02/2019	4080810	22172935.3	
4081062	MAS Innovation (Private) Limited	11/11/2021	4081062	21811540.0	
4082655	Dalian Institute Of Chemical Physics, Chinese Academy Of Sciences	16/10/2020	4082655	20957238.7	
4083763	BOE Technology Group Co., Ltd. Beijing BOE Optoelectronics Technology Co., Ltd.	28/07/2017	4083763	22180237.4	
4083818	Amazon Technologies, Inc.	22/11/2017	4083818	22177468.0	
4084098	Panasonic Intellectual Property Management Co., Ltd.	17/11/2020	4084098	20905806.4	
4084445	RTX Corporation	29/04/2022	4084445	22171021.3	

4086157	Imabari Shipbuilding Co., Ltd.	16/11/2020	4086157	20961643.2	
4086617	i-Sens, Inc.	25/04/2022	4086617	22169744.4	
4086680	AFL Telecommunications LLC	14/05/2019	4086680	22169002.7	
4087022	LG Energy Solution, Ltd.	03/11/2021	4087022	21889562.1	
4087047	LG Energy Solution, Ltd.	15/11/2021	4087047	21895049.1	
4087181	Huawei Technologies Co., Ltd.	02/02/2021	4087181	21760009.7	
4088190	Microsoft Technology Licensing, LLC	24/11/2020	4088190	20828605.4	
4088997	Yamaha Hatsudoki Kabushiki Kaisha	20/01/2021	4088997	21744715.0	
4089422	Schneider Electric Industries SAS	12/05/2021	4089422	21305626.0	French
4089991	Clover Network Com Co., Ltd.	26/10/2021	4089991	21903046.7	
4090004	ZTE Corporation	25/01/2021	4090004	21780101.8	
4090273	Inno4Spine AG	08/12/2020	4090273	20825247.8	
4090710	GKN Aerospace Services Limited	13/01/2021	4090710	21704100.3	
4090870	Life Technologies Corporation	14/01/2021	4090870	21704138.3	
4091218	era-contact GmbH	14/01/2021	4091218	21703364.6	German
4091347	Nokia Solutions and Networks Oy	16/01/2020	4091347	20913805.6	
4091427	Techtronic Cordless GP	13/05/2022	4091427	22173364.5	
4091493	Nike Innovate C.V.	24/08/2018	4091493	22184954.0	
4091656	ResMed Pty Ltd	21/09/2017	4091656	22171232.6	
4092085	Kraton Polymers Research B.V.	09/05/2022	4092085	22172385.1	
4092250	General Electric Technology GmbH	09/05/2022	4092250	22172268.9	
4092345	Naber Holding GmbH & Co. KG	06/04/2022	4092345	22166974.0	German
4093837	Merck Patent GmbH	20/01/2021	4093837	21711178.0	
4094381	QUALCOMM INCORPORATED	21/01/2021	4094381	21706749.5	
4095038	Airbus Operations GmbH	28/05/2021	4095038	21176532.6	German
4095072	Mitsubishi Heavy Industries Machinery Systems, Ltd.	16/02/2021	4095072	21759804.4	
4095472	Danfoss A/S	04/04/2022	4095472	22166465.9	
4095515	University of Science and Technology of China	13/05/2021	4095515	21904617.4	
4095875	Panasonic Intellectual Property Management Co., Ltd.	24/11/2020	4095875	20914886.5	
4095919	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	22/01/2020	4095919	20878038.7	
4096089	Zimmermann, Robert	25/05/2022	4096089	22175531.7	German
4096164	Deutsche Telekom AG	28/05/2021	4096164	21176758.7	
4096258	Honor Device Co., Ltd.	14/05/2021	4096258	21804766.0	
4096260	Samsung Electronics Co., Ltd.	17/11/2015	4096260	22184446.7	
4097379	EagleBurgmann Germany GmbH & Co. KG	24/11/2020	4097379	20812261.4	German
4097491	PHOENIX CONTACT GmbH & Co. KG	22/01/2021	4097491	21700969.5	German
4097580	SMART Photonics Holding B.V.	29/01/2021	4097580	21707163.8	
4098092	Beat Walser GmbH Land- und Baumaschinen	03/06/2022	4098092	22177301.3	German
4098467	TOYOTA JIDOSHA KABUSHIKI KAISHA ADVICS CO., LTD.	24/05/2022	4098467	22175245.4	
4098687	Cheers Srl	04/08/2021	4098687	21189552.9	
4098722	Afton Chemical Corporation	27/05/2022	4098722	22175942.6	
4098850	MANN+HUMMEL GmbH	31/05/2021	4098850	21290032.8	
4098992	Atline ApS	12/05/2022	4098992	22172941.1	
4099025	TMEIC Corporation	30/01/2020	4099025	20816873.2	
4099177	Huawei Technologies Co., Ltd.	13/10/2017	4099177	22169777.4	
4101965	KARL MAYER STOLL R&D GmbH	11/06/2021	4101965	21178971.4	German
4102080	Xylem Europe GmbH	08/06/2021	4102080	21178301.4	
4102155	Daikin Industries, Ltd.	24/02/2021	4102155	21765157.9	
4102332	Spleenlab GmbH	31/05/2022	4102332	22176486.3	German
4102778	Robert Bosch GmbH	04/05/2022	4102778	22171511.3	German
4103346	OPEN MIND Technologies AG	05/02/2021	4103346	21703691.2	German
4103393	BRZESKI, Markus	08/02/2021	4103393	21705876.7	German
4103430	GENTEX CORPORATION	11/02/2021	4103430	21753050.0	



4104328	QUALCOMM INCORPORATED	09/02/2021	4104328	21709574.4	
4104761	Rockwell Collins, Inc.	07/06/2022	4104761	22177647.9	
4105453	Rolls-Royce Corporation	21/04/2022	4105453	22169263.5	
4105528	FAS MEDIC S.A.	18/06/2021	4105528	21180392.9	
4105823	Wacom Co., Ltd.	18/02/2021	4105823	21796961.7	
4106040	LG Energy Solution, Ltd.	25/11/2021	4106040	21898623.0	
4106169	Japan Aviation Electronics Industry, Limited	10/05/2022	4106169	22172641.7	
4106283	Adtran Networks SE	16/06/2021	4106283	21179897.0	
4106307	Ricoh Company, Ltd.	09/06/2022	4106307	22178238.6	
4106407	Datang Mobile Communications Equipment Co., Ltd.	28/01/2021	4106407	21754250.5	
4106485	Huawei Technologies Co., Ltd.	01/03/2020	4106485	20923429.3	
4107103	Gerhard Schubert GmbH	08/04/2022	4107103	22721699.1	German
4108493	Mitsubishi Jidosha Kogyo Kabushiki Kaisha	09/11/2020	4108493	20920257.1	
4108625	Bertolotti Rail S.r.l.	21/06/2021	4108625	21180563.5	
4109838	Huawei Technologies Co., Ltd.	16/03/2021	4109838	21770833.8	
4110478	Arch UK Biocides Ltd	26/03/2021	4110478	21714185.2	
4110489	Azzeroco2 S.r.l.	08/02/2021	4110489	21703714.2	
4110622	Consiglio Nazionale delle Ricerche SICPA HOLDING SA	23/02/2021	4110622	21706293.4	
4110937	Microbium d.o.o.	03/11/2020	4110937	20803456.1	
4111120	Novelis, Inc.	16/02/2021	4111120	21716250.2	
4112145	Disney Enterprises, Inc.	03/05/2022	4112145	22171480.1	
4112449	Rohr, Inc.	30/06/2022	4112449	22182405.5	
4112464	B/E Aerospace, Inc.	28/06/2021	4112464	21182001.4	
4112895	Donaldson Company, Inc.	01/07/2021	4112895	21183237.3	
4113033	Daikin Industries, Ltd.	29/03/2021	4113033	21781291.6	
4113070	STMicroelectronics (China) Investment Co., Ltd.	22/06/2022	4113070	22180325.7	
4113459	Fujitsu Technology Solutions GmbH	04/11/2021	4113459	21206396.0	
4113617	Samsung Display Co., Ltd.	07/02/2022	4113617	22155375.3	
4113927	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	17/03/2020	4113927	20925830.0	
4113951	Renesas Electronics Corporation	29/06/2021	4113951	21182403.2	
4114087	Hangzhou Hikvision Digital Technology Co., Ltd.	22/02/2021	4114087	21761385.0	
4114571	Cline Scientific AB	10/03/2022	4114571	22710631.7	
4114912	Milliken & Company	04/02/2021	4114912	21709210.5	
4115154	Micro Motion Inc.	05/03/2020	4115154	20716139.9	
4115750	Japan Tobacco Inc.	02/03/2020	4115750	20922656.2	
4116168	ALSTOM Holdings	04/07/2022	4116168	22182856.9	
4116357	DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD.	25/02/2021	4116357	21764155.4	
4117398	Yazaki Corporation	01/07/2022	4117398	22182633.2	
4118290	OY Kati AB Kalajoki	05/03/2021	4118290	21718929.9	
4118460	The Florida State University Research Foundation, Incorporated	12/03/2021	4118460	21716041.5	
4118499	Siemens Aktiengesellschaft	22/03/2021	4118499	21718024.9	
4118500	Sew-Eurodrive GmbH & Co. KG	25/02/2021	4118500	21708219.7	German
4119720	Samsung Electronics Co., Ltd.	29/11/2017	4119720	22189984.2	
4120872	Gooris, Frederic Frans Petrus	15/03/2021	4120872	21772499.6	
4121290	Ricoh Company, Ltd.	03/03/2021	4121290	21710595.6	
4121464	Fidia Farmaceutici S.p.A.	16/03/2021	4121464	21717220.4	
4122160	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	17/03/2021	4122160	21770742.1	
4122666	Mitsubishi Chemical Corporation	12/03/2021	4122666	21772392.3	
4122784	Volvo Truck Corporation	22/07/2021	4122784	21187277.5	
4123121	RTX Corporation	08/07/2022	4123121	22183969.9	
4123190	Safran Transmission Systems	22/07/2022	4123190	22186556.1	French

4123295	Deutsches Zentrum für Luft- und Raumfahrt e.V.	21/07/2022	4123295	22186155.2	German
4123402	mitsubishi electric corporation	05/06/2020	4123402	20938992.3	
4124373	Grenex Limited	02/03/2022	4124373	22159712.3	
4124471	Sumitomo Rubber Industries, Ltd.	05/07/2022	4124471	22182948.4	
4125148	Huawei Digital Power Technologies Co., Ltd.	29/07/2022	4125148	22187753.3	
4125244	ORCKIT IP, LLC	12/11/2007	4125244	22195357.3	
4125254	T-Mobile USA, Inc.	21/06/2022	4125254	22180184.8	
4126402	Lufthansa Technik AG	30/03/2021	4126402	21717337.6	German
4126678	Alp Havacilik Sanayi Ve Ticaret Anonim Sirketi	06/11/2020	4126678	20927802.7	
4127420	Cummins, Inc.	15/03/2021	4127420	21777021.3	
4127655	Palas GmbH Partikel-und Lasermesstechnik	22/03/2021	4127655	21717766.6	German
4127800	AFL IG LLC	26/03/2021	4127800	21718785.5	
4128223	Dolby Laboratories Licensing Corporation	02/04/2021	4128223	21720374.4	
4128863	British Telecommunications public limited company	05/02/2021	4128863	21702686.3	
4130015	Heraeus Precious Metals GmbH & Co. KG	01/06/2022	4130015	22176659.5	
4130372	LG Electronics Inc.	02/08/2019	4130372	22191375.9	
4130463	Beijing Goldwind Science & Creation Windpower Equipment Co. Ltd.	30/03/2021	4130463	21833227.8	
4130503	Hamilton Sundstrand Corporation	29/07/2022	4130503	22187960.4	
4130536	Exel Industries	30/10/2019	4130536	22197328.2	
4130916	NEC Corporation	25/03/2020	4130916	20926976.0	
4131218	Wuhan China Star Optoelectronics Semiconductor Display Technology Co., Ltd.	10/04/2020	4131218	20750155.2	
4131649	Sony Group Corporation	31/03/2020	4131649	20928194.8	
4131772	JINKO SOLAR CO., LTD. Zhejiang Jinko Solar Co., Ltd.	03/11/2020	4131772	22198269.7	
4132055	Sony Group Corporation	18/03/2021	4132055	21781718.8	
4132089	Huawei Technologies Co., Ltd.	08/04/2021	4132089	21787615.0	
4132157	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	14/07/2020	4132157	20944876.0	
4132319	SZ Zuvi Technology Co., Ltd.	24/03/2021	4132319	21803737.2	
4133713	Samsung Electronics Co., Ltd.	07/05/2021	4133713	21800173.3	
4133821	QUALCOMM INCORPORATED	09/04/2021	4133821	21721372.7	
4133982	Samsung Electronics Co., Ltd.	11/05/2021	4133982	21837615.0	
4134599	Esdec B.V.	19/07/2019	4134599	22193953.1	
4134752	Canon Kabushiki Kaisha	01/05/2018	4134752	22183503.6	
4135081	Hyundai Motor Company Kia Corporation	08/11/2021	4135081	21206993.4	
4135302	Honor Device Co., Ltd.	10/01/2022	4135302	22737696.9	
4135431	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	14/11/2017	4135431	22198561.7	
4136819	Apple Inc.	08/04/2021	4136819	21722683.6	
4137072	Ethicon LLC	30/10/2018	4137072	22180200.2	
4137095	Edwards Lifesciences Corporation	19/08/2009	4137095	22200654.6	
4137343	Tongya (Shandong) Automobile Technology Group Co., Ltd	06/08/2021	4137343	21916649.3	
4137443	Jungheinrich Aktiengesellschaft	03/08/2022	4137443	22188539.5	German
4137914	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	30/04/2020	4137914	20933855.7	
4137988	COGNEX CORPORATION	17/11/2015	4137988	22171417.3	
4138239	Unex Aparellaje Electrico S.L.	14/04/2021	4138239	21720796.8	
4138321	LG Electronics Inc.	13/04/2021	4138321	21789251.2	
4138365	BULL SAS	17/08/2021	4138365	21191623.4	French
4138591	Altria Client Services LLC	01/04/2021	4138591	21720914.7	
4139474	University of the Witwatersrand, Johannesburg	23/04/2021	4139474	21721995.5	

4139622	Huawei Technologies Co., Ltd.	18/05/2020	4139622	20742636.2	
4140777	The Goodyear Tire & Rubber Company	23/08/2022	4140777	22191779.2	
4140890	Hamilton Sundstrand Corporation	28/11/2019	4140890	22203121.3	
4141602	CLAAS E-Systems GmbH	18/05/2022	4141602	22173950.1	German
4143063	Faiveley Transport Italia S.p.A.	27/04/2021	4143063	21727929.8	
4143399	Dakota Group S.a.s. di Zeno Cipriani & C.	30/04/2021	4143399	21728976.8	
4144053	Fondation B-COM	14/04/2021	4144053	21717468.9	French
4144293	Fenwal, Inc.	29/08/2022	4144293	22192519.1	
4144873	Citic Dicastal Co., Ltd.	21/07/2022	4144873	22186251.9	
4145744	Huawei Technologies Co., Ltd.	02/04/2021	4145744	21803330.6	
4145946	Huawei Technologies Co., Ltd.	20/05/2021	4145946	21809660.0	
4146160	Pfeifer & Langen GmbH & Co. KG	07/05/2021	4146160	21724283.3	
4146512	Jaguar Land Rover Limited	05/05/2021	4146512	21725449.9	
4146745	Rohm and Haas Company	16/04/2021	4146745	21729673.0	
4146912	SAFRAN AIRCRAFT ENGINES Safran Transmission Systems	23/04/2021	4146912	21731219.8	French
4147298	RWE Generation SE	27/05/2021	4147298	21730149.8	German
4147597	Fiebig, Florin Amatus	18/08/2022	4147597	22190916.1	German
4147635	BITSENSING INC.	07/09/2022	4147635	22194381.4	
4147814	Huazhong University of Science and Technology	31/08/2022	4147814	22193227.0	
4148089	SHPP Global Technologies B.V.	13/09/2021	4148089	21196306.1	
4148395	Melexis Technologies SA	12/11/2021	4148395	21208061.8	
4148398	Kidde-Fenwal, LLC	26/09/2019	4148398	22202271.7	
4148655	LG Energy Solution, Ltd.	27/08/2021	4148655	21862138.1	
4148778	Wuxi Leapers Semiconductor Co., Ltd.	16/03/2021	4148778	21822052.3	
4149071	Huawei Technologies Co., Ltd.	12/06/2020	4149071	20940348.4	
4149154	LG Electronics, Inc.	26/04/2021	4149154	21799933.3	
4149191	Vivo Mobile Communication Co., Ltd.	06/05/2021	4149191	21803758.8	
4149358	Samsung Electronics Co., Ltd.	05/07/2021	4149358	21847262.9	
4149699	Novelis, Inc.	13/05/2021	4149699	21729747.2	
4150228	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	30/04/2021	4150228	21723691.8	German
4150282	Rondo Energy, Inc.	29/11/2021	4150282	21843808.3	
4150400	Miraex SA	07/05/2021	4150400	21727560.1	
4150678	INL - International Iberian Nanotechnology Laboratory	12/05/2021	4150678	21723998.7	
4150757	Solarstone OÜ	14/05/2021	4150757	21736040.3	
4151111	NIKE Innovate C.V.	20/07/2020	4151111	22198665.6	
4151260	ResMed Asia Pte. Ltd.	16/09/2022	4151260	22196231.9	
4152097	Ushio Denki Kabushiki Kaisha	09/03/2021	4152097	21804523.5	
4152316	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	05/11/2018	4152316	22202282.4	
4152445	LG Energy Solution, Ltd.	05/08/2022	4152445	22189055.1	
4152521	Honor Device Co., Ltd.	25/04/2022	4152521	22798589.2	
4153535	Chevron U.S.A. Inc.	18/05/2021	4153535	21727573.4	
4153696	Nouryon Chemicals International B.V.	19/05/2021	4153696	21726648.5	
4153887	Tolomatic, Inc.	23/04/2021	4153887	21729074.1	
4155185	Campagnolo S.r.l.	27/09/2022	4155185	22198002.2	
4155698	X Development LLC	14/11/2019	4155698	22201205.6	
4156611	Rockwell Automation Technologies, Inc.	20/09/2022	4156611	22196585.8	
4156658	Samsung Electronics Co., Ltd.	28/11/2018	4156658	22207264.7	
4156705	Samsung Electronics Co., Ltd.	08/11/2019	4156705	22205761.4	
4156999	JT International SA	26/05/2021	4156999	21735390.3	
4157578	TRUMPF Werkzeugmaschinen SE + Co. KG	28/05/2021	4157578	21730517.6	German
4158991	QUALCOMM INCORPORATED	13/05/2021	4158991	21730728.9	
4159576	Faiveley Transport Tours	22/09/2022	4159576	22197066.8	French
4159661	Fud Technologies Sp. z o.o.	30/09/2022	4159661	22020476.2	
4159824	Sanyo Chemical Industries, Ltd.	24/11/2020	4159824	20938205.0	
4159957	Karcher GmbH	24/08/2022	4159957	22191915.2	German

4160081	SHENZHEN LIANSHANG PHOTOELECTRIC CO., LTD.	18/02/2022	4160081	22721638.9	
4160783	SK On Co., Ltd.	27/09/2022	4160783	22198091.5	
4160883	LG Electronics Inc.	12/08/2022	4160883	22190135.8	
4161311	Dorsey, John E.	02/06/2021	4161311	21735523.9	
4161349	HOYA CORPORATION	19/08/2021	4161349	21762122.6	
4161390	Illinois Tool Works, Inc.	21/05/2021	4161390	21742203.9	
4162188	NORMA Germany GmbH	26/05/2021	4162188	21730132.4	German
4162330	KUKA Deutschland GmbH	25/05/2021	4162330	21728532.9	German
4163429	Tsudakoma Kogyo Kabushiki Kaisha	29/09/2022	4163429	22198606.0	
4164448	ELC Management LLC	15/06/2021	4164448	21737943.7	
4164933	POMA	09/06/2021	4164933	21731773.4	French
4165295	Robert Bosch GmbH	08/06/2021	4165295	21732223.9	German
4165514	Alarm.com Incorporated	04/06/2021	4165514	21821055.7	
4165658	Whoop, Inc.	10/06/2021	4165658	21743320.0	
4165836	Telefonaktiebolaget LM Ericsson (publ)	16/06/2020	4165836	20733733.8	
4166200	Swiss Timing Ltd	14/10/2021	4166200	21202606.6	French
4166211	Stantchev, George	19/04/2022	4166211	22168783.3	
4166336	SII Printek Inc.	11/10/2022	4166336	22200770.0	
4166356	Sumitomo Rubber Industries, Ltd.	21/09/2022	4166356	22196942.1	
4166939	Suzhou Institute of Nano-tech and Nanobionics (SINANANO) Chinese Academy of Sciences	26/11/2021	4166939	21913652.0	
4167229	Audio Mobil Elektronik GmbH	17/10/2022	4167229	22201974.7	German
4167468	Contemporary Amperex Technology (Hong Kong) Limited	26/08/2021	4167468	21908081.9	
4168700	Cavagna Group S.p.A.	18/06/2021	4168700	21742490.2	
4169981	Lg Chem, Ltd.	30/07/2021	4169981	21850069.2	
4170112	A3 Innoteq GmbH	20/10/2022	4170112	22202785.6	German
4170227	Foshan Electrical and Lighting Co., Ltd	25/11/2020	4170227	20944974.3	
4170637	Samsung Electronics Co., Ltd.	16/11/2021	4170637	21895075.6	
4170671	Optellum Limited	10/10/2022	4170671	22200576.1	
4170847	Solaredge Technologies Ltd.	15/11/2017	4170847	22212912.4	
4171144	Huawei Technologies Co., Ltd.	09/07/2021	4171144	21841308.6	
4171151	LG Electronics Inc.	22/10/2021	4171151	21883338.2	
4171439	Pregenzer, Bruno	02/11/2021	4171439	21805458.3	German
4172009	IVECO S.P.A.	30/06/2021	4172009	21748657.0	
4172038	Latecoere	27/06/2021	4172038	21736314.2	French
4172262	Basell Poliolefine Italia S.r.l.	17/06/2021	4172262	21733117.2	
4173241	Huawei Technologies Co. Ltd.	13/07/2020	4173241	20750096.8	
4173944	The Boeing Company	01/09/2022	4173944	22193419.3	
4174034	Indian Oil Corporation Limited	01/11/2022	4174034	22204884.5	
4174294	Purem GmbH	26/09/2022	4174294	22197617.8	German
4174295	Purem GmbH	26/09/2022	4174295	22197618.6	German
4174405	Samsung Electronics Co., Ltd.	11/11/2021	4174405	21898761.8	
4175328	ZTE Corporation	12/05/2021	4175328	21832721.1	
4176021	Merck Patent GmbH	30/06/2021	4176021	21734177.5	
4176022	Merck Patent GmbH	30/06/2021	4176022	21735326.7	
4176124	Essity Hygiene and Health Aktiebolag	03/07/2020	4176124	20753413.2	
4176192	Strauss Water Ltd	01/07/2021	4176192	21742920.8	
4176810	NOK Corporation	07/06/2021	4176810	21834471.1	
4177158	Airbus Operations Limited	07/11/2022	4177158	22205924.8	
4177207	Otis Elevator Company	04/11/2021	4177207	21382999.7	
4177458	Yanmar Holdings Co., Ltd.	09/11/2022	4177458	22206272.1	
4177558	AIRBUS OPERATIONS	03/11/2022	4177558	22205241.7	French
4177618	Mettler-Toledo GmbH	04/11/2021	4177618	21206525.4	
4177644	MATRIX JVCO LTD trading as AIQ	05/11/2021	4177644	21206647.6	
4177756	Collins Aerospace Ireland, Limited	04/11/2021	4177756	21206561.9	
4177801	Deutsche Telekom AG	04/11/2021	4177801	21206410.9	
4177946	Analog Devices, Inc.	03/11/2022	4177946	22205245.8	
4178161	TomTom Traffic B.V.	14/01/2015	4178161	22215135.9	
4179454	Tridonic GmbH & Co KG	18/08/2020	4179454	20949749.4	

4179800	QUALCOMM INCORPORATED	16/06/2021	4179800	21751886.9	
4180000	Sony Group Corporation	30/06/2021	4180000	21837986.5	
4180755	Qingdao Haier Refrigerator Co., Ltd. Haier Smart Home Co., Ltd.	04/08/2021	4180755	21860082.3	
4180823	Korea Railroad Research Institute	27/09/2022	4180823	22197997.4	
4180928	Crown Equipment Corporation	17/11/2017	4180928	23150212.1	
4181224	Lg Chem, Ltd.	13/08/2021	4181224	21856290.8	
4181978	Colquimica-Indústria Nacional de Colas, S.A.	08/02/2022	4181978	22712622.4	
4182764	BSH Hausgeräte GmbH	06/07/2021	4182764	21742348.2	German
4183001	Huawei Technologies Co. Ltd.	20/07/2020	4183001	20743669.2	
4183348	FUJIFILM Corporation	08/03/2021	4183348	21841645.1	
4183556	Ricoh Company, Ltd.	15/11/2022	4183556	22207528.5	
4183632	Seat, S.A.	15/11/2022	4183632	22207606.9	
4183919	Intersac	18/11/2022	4183919	22208341.2	French
4183995	Hamilton Sundstrand Corporation	22/11/2022	4183995	22208919.5	
4184047	Airbus Operations GmbH	22/11/2021	4184047	21209665.5	
4184154	Commissariat à l'Energie Atomique et aux Energies Alternatives	23/11/2022	4184154	22208969.0	French
4184285	Samsung Electronics Co., Ltd.	05/11/2021	4184285	21889610.8	
4184592	Schiefergruben Magog GmbH & Co. KG	17/11/2021	4184592	21208784.5	German
4184745	Vivo Mobile Communication Co., Ltd.	14/07/2021	4184745	21841700.4	
4184783	Rosemount Aerospace Inc.	23/11/2022	4184783	22209015.1	
4184845	Telefonaktiebolaget LM ERICSSON (PUBL)	16/11/2018	4184845	22202649.4	
4184892	ABB SCHWEIZ AG	23/11/2021	4184892	21209911.3	
4184894	Carrier Corporation	10/11/2022	4184894	22206773.8	
4185339	Tristel PLC	19/07/2021	4185339	21751841.4	
4186394	Naolima GmbH	26/11/2021	4186394	21210758.5	German
4186460	Ferton Holding S.A.	28/01/2021	4186460	23152325.9	
4186552	ResMed Pty Ltd	16/04/2020	4186552	23151562.8	
4186733	Power Integrations, Inc.	24/11/2021	4186733	21210185.1	
4186761	Hitachi Astemo France	17/11/2022	4186761	22208148.1	French
4186790	Airbus Operations Limited Airbus Operations (S.A.S.) Airbus Operations GmbH	22/11/2022	4186790	22208815.5	
4186813	Dipperdip Worldwide Group BV	24/11/2022	4186813	22209315.5	
4187009	Arçelik Anonim Sirketi	30/09/2022	4187009	22199048.4	
4187097	LG Electronics Inc.	03/11/2022	4187097	22205305.0	
4187110	Airbus Operations GmbH	30/11/2021	4187110	21211300.5	German
4187144	Airbus Opérations SAS	24/11/2022	4187144	22209311.4	French
4187209	Melexis Technologies SA	25/11/2021	4187209	21210602.5	
4187242	Guangdong Yifang Pharmaceutical Co., Ltd	11/09/2020	4187242	20949985.4	
4187512	Bundesdruckerei GmbH	17/11/2022	4187512	22208103.6	German
4187591	Hitachi Energy Ltd	26/11/2021	4187591	21210720.5	
4187859	STMicroelectronics Inc.	22/11/2022	4187859	22208732.2	
4188219	Bard Access Systems, Inc.	30/08/2021	4188219	21778282.0	
4190200	CASIO COMPUTER CO., LTD.	24/10/2022	4190200	22203243.5	
4190241	Draeger Medical Systems, Inc.	28/11/2022	4190241	22210016.6	
4190375	Caremedi Co., Ltd.	25/11/2022	4190375	22209550.7	
4190974	Parkingeye Limited	02/12/2022	4190974	22211124.7	
4191027	RTX Corporation	28/11/2022	4191027	22210042.2	
4191066	Mitsubishi Heavy Industries Compressor Corporation	28/11/2022	4191066	22209843.6	
4191225	Commissariat à l'Energie Atomique et aux Energies Alternatives	17/11/2022	4191225	22207967.5	French
4191425	ARM Limited	17/11/2022	4191425	22208012.9	
4191556	Panasonic Intellectual Property Management Co., Ltd.	16/11/2022	4191556	22207733.1	
4191791	Honor Device Co., Ltd.	24/01/2022	4191791	22787236.3	
4191943	Huawei Technologies Co. Ltd.	31/08/2020	4191943	20950951.2	
4191979	Huawei Technologies Co., Ltd.	20/06/2018	4191979	23152179.0	

4192183	Huawei Technologies Co. Ltd.	27/07/2021	4192183	21855350.1	
4192649	3M Innovative Properties Company	04/08/2021	4192649	21755575.4	
4192666	Inglass S.p.A.	01/08/2021	4192666	21758441.6	
4193252	Ampere Computing LLC	04/08/2021	4193252	21762233.1	
4193617	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	04/08/2021	4193617	21755460.9	
4194074	Parker Hannifin EMEA S.à.r.l.	04/03/2021	4194074	23154457.8	
4194338	Embraer S.A.	05/12/2022	4194338	22211315.1	
4194509	SHPP Global Technologies B.V.	07/12/2021	4194509	21212820.1	
4194865	Huawei Technologies Co. Ltd.	31/08/2020	4194865	20950901.7	
4195233	Perkins Engines Company Limited	21/11/2022	4195233	22208673.8	
4195502	Chen, Chih-Ying	21/11/2022	4195502	22208601.9	
4195520	Huawei Technologies Co. Ltd.	12/08/2021	4195520	21860153.2	
4196013	Cilag GmbH International	22/11/2021	4196013	21816172.7	
4196702	Raytheon Company	17/06/2021	4196702	21740381.5	
4197309	Tecomec S.r.l.	25/11/2022	4197309	22209594.5	
4197419	Qingdao Haier Washing Machine Co., Ltd. Haier Smart Home Co., Ltd.	01/02/2021	4197419	21807607.3	
4199474	Huawei Technologies Co. Ltd.	30/08/2021	4199474	21865884.7	
4199485	Samsung Electronics Co., Ltd.	04/11/2021	4199485	21894970.9	
4199530	Sony Semiconductor Solutions Corporation	12/11/2018	4199530	23156683.7	
4200018	Cephalon LLC	18/08/2021	4200018	21773918.4	
4200502	ABUS August Bremicker Söhne KG	05/11/2021	4200502	21809947.1	German
4200734	Siemens Aktiengesellschaft	30/09/2021	4200734	21786841.3	German
4201644	MBDA ITALIA S.p.A.	15/12/2022	4201644	22213713.5	
4201703	Sumitomo Rubber Industries, Ltd.	23/11/2022	4201703	22208998.9	
4202173	Somfy Activites SA	21/12/2022	4202173	22215374.4	French
4202540	LG Display Co., Ltd.	10/11/2022	4202540	22206782.9	
4203150	LG Energy Solution, Ltd.	18/10/2021	4203150	21889425.1	
4203752	Digital Drink Dispensers Limited	18/08/2021	4203752	21762700.9	
4206043	ZHEJIANG ZEEKR INTELLIGENT TECHNOLOGY CO., LTD. Zhejiang Geely Holding Group Co., Ltd.	05/11/2020	4206043	20960319.0	
4206116	KION Warehouse Systems GmbH	23/11/2022	4206116	22209043.3	German
4206564	Arçelik Anonim Sirketi	29/11/2022	4206564	22210199.0	
4206803	LG Display Co., Ltd.	17/11/2022	4206803	22208124.2	
4207823	IROVA Co., Ltd.	02/11/2022	4207823	22205038.7	
4207827	LG Electronics, Inc.	27/08/2020	4207827	20951626.9	
4208375	ZF CV Systems Europe BV	02/09/2020	4208375	20768532.2	
4208723	Hitachi Energy Ltd	31/08/2021	4208723	21769150.0	
4208765	LORD Corporation	17/11/2021	4208765	21824223.8	
4209152	Pacific University Goat Industries LLC	29/11/2022	4209152	22210200.6	
4209175	Shenzhen Shokz Co., Ltd.	25/12/2020	4209175	20966644.5	
4209361	Sumitomo Rubber Industries, Ltd.	22/11/2022	4209361	22208753.8	
4209635	Zimmermann, Reto	17/11/2022	4209635	22207974.1	German
4210394	Beijing Xiaomi Mobile Software Co., Ltd.	10/05/2018	4210394	23158283.4	
4210412	Samsung Electronics Co., Ltd.	17/11/2021	4210412	21915523.1	
4211369	Bayerische Motoren Werke Aktiengesellschaft	10/08/2021	4211369	21762006.1	German
4211637	Visa International Service Association	13/09/2021	4211637	21867771.4	
4211750	Raytheon Company	04/02/2021	4211750	21763425.2	
4212077	BSH Hausgeräte GmbH	10/01/2023	4212077	23150911.8	German
4212360	Sumitomo Rubber Industries, Ltd.	16/11/2022	4212360	22207811.5	
4212848	Eidg. Forschungsanstalt für Wald, Schnee und Landschaft WSL	14/01/2022	4212848	22151594.3	
4213045	Google LLC	19/06/2015	4213045	22211732.7	
4213150	Huawei Technologies Co. Ltd.	23/10/2020	4213150	20958378.0	
4213273	Contemporary Amperex Technology (Hong Kong) Limited	02/06/2022	4213273	22761346.0	
4213470	Samsung Electronics Co., Ltd.	15/11/2021	4213470	21919857.9	
4214518	F. Hoffmann-La Roche AG	15/09/2021	4214518	21777513.9	

4214672	Hologic, Inc.	31/08/2021	4214672	21782618.9	
4214896	Telefonaktiebolaget LM Ericsson (publ)	13/11/2020	4214896	20803854.7	
4215133	C. R. Bard, Inc.	10/11/2017	4215133	23161174.0	
4216187	Carrier Corporation	24/01/2022	4216187	22382044.0	
4216836	Stryker Corporation	22/09/2021	4216836	21801684.8	
4217238	Motherson Innovations Company Ltd.	15/11/2021	4217238	21811030.2	
4217707	LUMICKS CA Holding B.V.	23/09/2021	4217707	21794422.2	
4217898	Davron Digital	22/09/2021	4217898	21783174.2	French
4218040	Siemens Energy Global GmbH & Co. KG	30/11/2021	4218040	21827389.4	German
4218388	Grimme Landmaschinenfabrik GmbH & Co. KG	03/11/2022	4218388	22205336.5	German
4219198	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	31/10/2020	4219198	20959290.6	
4219201	Carrier Corporation	19/01/2023	4219201	23152511.4	
4219452	Mitsubishi Tanabe Pharma Corporation	26/07/2019	4219452	23164432.9	
4219723	Williams, Martin SYTE.bio Inc	15/11/2022	4219723	22207400.7	
4219991	GE Aviation Systems LLC	29/06/2021	4219991	23177838.2	
4220133	Honeywell International Inc.	06/10/2016	4220133	23172560.7	
4220493	NEC Corporation	23/11/2022	4220493	22209143.1	
4221074	nChain Licensing AG	22/06/2018	4221074	23164206.7	
4221345	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	19/09/2019	4221345	23167677.6	
4222236	FUCHS SE	07/11/2022	4222236	22812413.7	German
4222400	Vallourec Oil and Gas France	24/09/2021	4222400	21783238.5	French
4222491	Ampack GmbH	29/09/2021	4222491	21787319.9	German
4223346	Fisher & Paykel Healthcare Limited	14/03/2014	4223346	23165191.0	
4223523	Bundesdruckerei GmbH	10/01/2023	4223523	23151008.2	German
4223569	Suzuki Motor Corporation	13/01/2023	4223569	23151630.3	
4223586	Martur Sünger Ve Koltuk Tesisleri Ticaret Ve Sanayi A.S	04/02/2022	4223586	22155161.7	
4223593	Continental Autonomous Mobility Germany GmbH	08/02/2022	4223593	22155749.9	
4223610	Wecon GmbH Nutzfahrzeuge - Container - Technik TX Logistik AG	02/02/2022	4223610	22154838.1	German
4223668	Ocado Innovation Limited	18/03/2015	4223668	23167636.2	
4224021	Hyundai Mobis Co., Ltd.	03/11/2022	4224021	22205275.5	
4224535	Suzhou First PV Material Co., Ltd.	18/11/2020	4224535	20956036.6	
4224995	Tridonic GmbH & Co KG	02/02/2022	4224995	22154663.3	
4226006	Turna D.O.O.	10/08/2021	4226006	21794022.0	
4226143	Elichens	07/10/2021	4226143	21790140.4	French
4226190	Elbit Systems C4I and Cyber Ltd. Soreq Nuclear Research Center	11/10/2021	4226190	21879654.8	
4227096	Exocad GmbH	10/02/2023	4227096	23156016.0	
4227332	Denka Company Limited	01/10/2021	4227332	21906101.7	
4227426	Tanaka Kikinzoku Kogyo K.K.	08/11/2022	4227426	22206080.8	
4227540	Airmate Electrical (Shenzhen) Co., Ltd.	10/11/2020	4227540	20959397.9	
4227795	ILNumerics GmbH	15/02/2022	4227795	22156804.1	
4227982	Nexperia B.V.	15/02/2022	4227982	22156783.7	
4228269	GE Video Compression, LLC	08/04/2011	4228269	23177811.9	
4228325	LG Electronics Inc.	31/01/2020	4228325	23170833.0	
4228452	JT International SA	08/10/2021	4228452	21790160.2	
4228546	Exocad GmbH	15/10/2021	4228546	21791402.7	
4229129	Arlanxeo Netherlands B.V.	13/10/2021	4229129	21790882.1	
4229130	Milliken & Company	15/10/2020	4229130	20804377.8	
4229146	Samsung Display Co., Ltd.	14/10/2021	4229146	21801835.6	
4229523	Oracle International Corporation	06/10/2021	4229523	21801752.3	
4229855	Sony Group Corporation	30/11/2021	4229855	21820703.3	
4230389	The Boeing Company	06/02/2023	4230389	23155177.1	
4230390	Rohr, Inc.	25/10/2016	4230390	23161316.7	
4230804	Caterpillar Inc.	20/07/2020	4230804	23184836.7	

4230919	aqotec GmbH	22/02/2022	4230919	22157997.2	German
4231183	Xerox Corporation	02/02/2023	4231183	23154660.7	
4231231	Guangdong Lyric Robot Automation Co., Ltd.	11/11/2022	4231231	22822837.5	
4231285	Bose Corporation	31/08/2017	4231285	23185178.3	
4231390	Contemporary Amperex Technology (Hong Kong) Limited	24/12/2021	4231390	21942131.0	
4231463	PROVERTHA Connectors, Cables & Solutions GmbH	09/11/2022	4231463	22206484.2	German
4231979	KCI Manufacturing Unlimited Company	11/11/2021	4231979	21811144.1	
4232395	Agilox Systems GmbH	18/10/2021	4232395	21800993.4	German
4232409	Wacker Chemie AG Nexeon Limited	22/10/2021	4232409	21799014.2	
4232699	Siemens Energy Global GmbH & Co. KG	26/11/2021	4232699	21824501.7	
4233708	Apple Inc.	22/02/2023	4233708	23157886.5	
4234355	Robert Bosch GmbH	16/03/2021	4234355	23172175.4	
4234628	Univation Technologies, LLC	29/05/2018	4234628	23174272.7	
4234817	CNH Industrial Italia S.p.A.	27/01/2023	4234817	23153783.8	
4234920	Wobben Properties GmbH	23/02/2022	4234920	22158337.0	German
4235410	Honor Device Co., Ltd.	30/11/2017	4235410	23163460.1	
4235582	Snap Inc.	17/07/2019	4235582	23166976.3	
4236220	Juniper Networks, Inc.	25/06/2020	4236220	23170837.1	
4236462	Industrial Technology Research Institute	11/07/2022	4236462	22184080.4	
4236490	Telefonaktiebolaget LM Ericsson (publ)	04/01/2019	4236490	23181280.1	
4237164	E.ON Energiinfrastruktur AB	02/11/2021	4237164	21802704.3	
4237267	MAN Truck & Bus SE	05/10/2021	4237267	21789645.5	German
4237307	Siemens Mobility GmbH	17/11/2021	4237307	21819043.7	German
4237325	Safran Nacelles	02/11/2021	4237325	21810677.1	French
4237334	Safran Nacelles	02/11/2021	4237334	21810676.3	French
4237837	Fundacio per a la Universitat Oberta de Catalunya (UOC)	29/10/2020	4237837	20800611.4	
4238511	Edwards Lifesciences Corporation	18/04/2018	4238511	23187000.7	
4238680	Illinois Tool Works Inc.	25/01/2023	4238680	23153203.7	
4239346	Contemporary Amperex Technology (Hong Kong) Limited	27/04/2022	4239346	22743435.4	
4240114	Zumtobel Lighting GmbH	02/03/2022	4240114	22159613.3	
4240396	Ethris GmbH	04/11/2021	4240396	21805509.3	
4240573	G.D SOCIETA' PER AZIONI	03/11/2021	4240573	21816522.3	
4240581	Blade Dynamics Limited LM Wind Power A/S	01/11/2021	4240581	21802330.7	
4240594	De La Rue International Limited	04/11/2021	4240594	21811120.1	
4240925	Watts Regulator Co.	05/11/2021	4240925	21890145.2	
4240932	Hettich-Heinze GmbH & Co. KG	05/11/2021	4240932	21806232.1	German
4240951	SAFRAN AIRCRAFT ENGINES	02/11/2021	4240951	21811415.5	French
4240956	Safran Nacelles	03/11/2021	4240956	21815237.9	French
4240957	Safran Nacelles	03/11/2021	4240957	21815238.7	French
4241032	IBS Technology S.p.A.	03/11/2021	4241032	21802439.6	
4241106	ADB Safegate BV	05/11/2021	4241106	21807060.5	
4241214	Domaintools, LLC	01/11/2021	4241214	21889891.4	
4241353	Safran Electrical & Power	05/11/2021	4241353	21815242.9	French
4241355	Nidec PSA Emotors	03/11/2021	4241355	21814829.4	French
4241460	Sonos Mighty Holdings B.V.	04/11/2020	4241460	20808529.0	
4241753	STERIS Solutions Limited	05/09/2018	4241753	23189586.3	
4241955	Denka Company Limited	07/03/2022	4241955	22775048.6	
4242593	Rockwell Collins, Inc.	06/03/2023	4242593	23160294.7	
4242719	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	12/04/2018	4242719	23173334.6	German
4242749	Lee, Myung Shin	01/11/2019	4242749	23183818.6	
4243009	Rohr, Inc.	02/03/2023	4243009	23159754.3	
4243378	Huawei Device Co., Ltd.	24/06/2014	4243378	23156951.8	
4244056	voestalpine Stahl GmbH	11/11/2021	4244056	21806742.9	German
4244098	ABB SCHWEIZ AG	11/11/2020	4244098	20961072.4	



4244142	AETNA GROUP S.p.A.	12/11/2021	4244142	21835821.6	
4244262	Röhm GmbH	02/11/2021	4244262	21798398.0	German
4244306	Nederlandse Organisatie voor toegepast-natuurwetenschappelijk Onderzoek TNO	09/11/2021	4244306	21802760.5	
4244385	MultiplexDX, s.r.o.	10/11/2021	4244385	21819349.8	
4244467	Safran Helicopter Engines	05/11/2021	4244467	21815247.8	French
4244474	Safran Helicopter Engines	12/11/2021	4244474	21820298.4	French
4244513	Hilti Aktiengesellschaft	04/11/2021	4244513	21802734.0	
4244544	Valsir S.p.A. A Socio Unico	10/11/2021	4244544	21820687.8	
4244579	Altra S.p.A. UNIVERSITA' DEGLI STUDI DI GENOVA	12/11/2021	4244579	21807288.2	
4244940	Zumtobel Lighting GmbH	25/11/2021	4244940	21820200.0	German
4244960	Miba eMobility GmbH	12/11/2021	4244960	21823723.8	German
4244976	F. Hoffmann-La Roche AG	15/11/2021	4244976	21811319.9	
4245176	JT International SA	23/08/2011	4245176	23190251.1	
4246834	Nippon Telegraph And Telephone Corporation	18/06/2019	4246834	23184013.3	
4246896	INTEL Corporation	26/08/2015	4246896	23190104.2	
4247076	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	12/11/2020	4247076	20961113.6	
4247245	Politecnico di Torino Università degli Studi di Torino	12/11/2021	4247245	21823361.7	
4247371	Constellation Pharmaceuticals, Inc.	18/11/2021	4247371	21827282.1	
4247505	Brav AS	15/11/2021	4247505	21815408.6	
4247586	TRUMPF Werkzeugmaschinen SE + Co. KG	18/11/2021	4247586	21819073.4	German
4247592	Caterpillar Inc.	19/11/2021	4247592	21827306.8	
4247598	TRUMPF Maschinen Austria GmbH & Co. KG.	17/11/2021	4247598	21823725.3	German
4247600	I.M.A. Industria Macchine Automatiche S.p.A.	11/11/2021	4247600	21802775.3	
4247776	TOTALENERGIES ONETECH	12/11/2021	4247776	21807114.0	
4247814	Taiho Pharmaceutical Co., Ltd.	18/11/2021	4247814	21814770.0	
4247906	HELIOS Tovarna barv, lakov in umetnih smol Kolicivo d.o.o.	12/11/2021	4247906	21807113.2	
4248012	Commissariat à l'Energie Atomique et aux Energies Alternatives	22/11/2021	4248012	21823640.4	French
4248020	Caterpillar Inc.	15/11/2021	4248020	21824160.2	
4248028	TRAINVAC GMBH	19/10/2021	4248028	21798600.9	German
4248067	SAFRAN AIRCRAFT ENGINES	17/11/2021	4248067	21819934.7	French
4248070	Piaggio & C. S.P.A.	23/11/2020	4248070	20823741.2	
4248084	Tarantola, Carlo	23/11/2021	4248084	21815199.1	
4248096	Pierburg Pump Technology GmbH	23/11/2020	4248096	20812244.0	
4248104	Hitachi Astemo France	04/11/2021	4248104	21802726.6	French
4248344	THALES DIS FRANCE SAS	08/11/2021	4248344	21807073.8	
4248462	Tokamak Energy Ltd	19/11/2021	4248462	21819077.5	
4248728	Gnocco, Simone	21/03/2023	4248728	23163086.4	
4248879	FUJIFILM Corporation	22/09/2021	4248879	21894316.5	
4248880	FUJIFILM Corporation	18/10/2021	4248880	21894399.1	
4249025	ResMed Pty Ltd	25/06/2019	4249025	23172224.0	
4249274	Sato Holdings Kabushiki Kaisha	10/11/2021	4249274	21894539.2	
4250123	Samsung Electronics Co., Ltd.	21/03/2023	4250123	23163039.3	
4250739	Tencent America LLC	27/11/2019	4250739	23191287.4	
4250936	Marel Poultry B.V. Marel A/S	22/11/2021	4250936	21816040.6	
4250999	SCHOLL'S WELLNESS COMPANY LIMITED	26/11/2021	4250999	21823989.5	
4251063	Bard Access Systems, Inc.	30/11/2021	4251063	21835043.7	
4251077	Cilag GmbH International	26/09/2022	4251077	22786490.7	
4251361	JENOPTIK Automatisierungstechnik GmbH	22/11/2021	4251361	21819363.9	German

4251390	Safran Ceramics	08/11/2021	4251390	21815249.4	French
4251392	Borealis AG	24/11/2021	4251392	21816442.4	
4251410	LM Wind Power A/S	25/11/2021	4251410	21823205.6	
4251496	Saudi Arabian Oil Company King Abdullah University of Science and Technology	30/11/2021	4251496	21831402.9	
4251660	Ecole Supérieure de Chimie Physique Electronique de Lyon Compagnie Générale des Etablissements Michelin Centre National de la Recherche Scientifique Université Claude Bernard Lyon 1	19/11/2021	4251660	21824617.1	French
4251662	Ecole Supérieure de Chimie, Physique, Electronique de Lyon COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN Centre National de la Recherche Scientifique Université Claude Bernard Lyon 1	19/11/2021	4251662	21823968.9	French
4251823	I4F LICENSING NV	25/11/2021	4251823	21819832.3	
4251859	MAN Energy Solutions SE	16/11/2021	4251859	21816344.2	German
4251887	Edwards Limited	22/11/2021	4251887	21819551.9	
4251924	Truma Gerätetechnik GmbH & Co. KG	13/09/2021	4251924	21777196.3	German
4252027	Raytheon Company	05/11/2021	4252027	21819287.0	
4252210	Bode - Die Tür GmbH	23/11/2021	4252210	21819770.5	German
4252344	NIDEC GLOBAL APPLIANCE BRASIL LTDA.	23/11/2021	4252344	21816308.7	
4252417	Airbus Defence and Space SAS	26/11/2020	4252417	20811014.8	French
4252663	FUJIFILM Corporation	21/10/2021	4252663	21897565.4	
4252912	ANDRITZ Separation GmbH	02/08/2021	4252912	23191340.1	German
4253014	The Boeing Company	19/11/2019	4253014	23191901.0	
4253171	VOLVO TRUCK CORPORATION	28/03/2022	4253171	22164807.4	
4253257	Hamilton Sundstrand Space Systems International, Inc.	13/03/2023	4253257	23161602.0	
4253687	EV Services S.r.l.	31/03/2023	4253687	23000051.5	
4254045	Baylor College of Medicine Texas Heart Institute	13/04/2017	4254045	23192572.8	
4254402	Google LLC	16/04/2018	4254402	23191963.0	
4254488	Proterial, Ltd.	27/03/2023	4254488	23164452.7	
4254590	HOPPECKE Batterien GmbH & Co. KG.	31/03/2022	4254590	22165913.9	German
4255004	Siemens Aktiengesellschaft	28/03/2022	4255004	22164764.7	German
4255512	Produits Berger	30/11/2021	4255512	21816473.9	French
4255554	Envoy Medical Corporation	24/11/2021	4255554	21827779.6	
4255555	Envoy Medical Corporation	24/11/2021	4255555	21827780.4	
4255677	Atlas Copco Industrial Technique AB	17/11/2021	4255677	21819050.2	
4255770	Magna Seating Inc.	14/02/2022	4255770	22707967.0	
4255835	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	22/11/2021	4255835	21823644.6	French
4256179	SAFRAN AIRCRAFT ENGINES	26/11/2021	4256179	21839599.4	French
4256183	Caterpillar Inc.	09/11/2021	4256183	21819658.2	
4256184	SAFRAN Safran Transmission Systems	24/11/2021	4256184	21824622.1	French
4256320	Evatec AG	09/11/2021	4256320	21810952.8	
4256575	Sanofi	01/12/2021	4256575	21816104.0	
4256642	Mercedes-Benz Group AG	16/11/2021	4256642	21811046.8	German
4257010	ONDE S.r.l.	06/04/2023	4257010	23166971.4	
4257258	Primetals Technologies Japan, Ltd.	01/07/2021	4257258	21948405.2	
4257392	MAZDA MOTOR CORPORATION	21/03/2023	4257392	23163145.8	
4257394	MAZDA MOTOR CORPORATION	23/03/2023	4257394	23163642.4	
4257425	FERRARI S.p.A.	05/04/2023	4257425	23166717.1	
4257779	DE-PARK Investment GmbH	08/04/2022	4257779	22167291.8	German

4257987	Lumiker Aplicaciones Tecnologicas S.L.	06/04/2022	4257987	22382331.1	
4257988	Lumiker Aplicaciones Tecnologicas S.L.	06/04/2022	4257988	22382332.9	
4258966	Alfred Kärcher SE & Co. KG	10/11/2021	4258966	21811281.1	German
4259563	Futura S.p.A.	09/12/2021	4259563	21843789.5	
4259578	Qwarzo S.p.A.	13/07/2022	4259578	22751051.8	
4259616	Bayer Aktiengesellschaft	09/12/2021	4259616	21823604.0	
4259618	Bayer Aktiengesellschaft	09/12/2021	4259618	21823920.0	
4259700	Basell Poliolefine Italia S.r.l.	25/11/2021	4259700	21810638.3	
4259827	AUSNUTRIA B.V.	10/12/2021	4259827	21824392.1	
4259980	Polverelli, Giuseppe	06/12/2021	4259980	21836039.4	
4260357	ASML Netherlands B.V.	25/11/2021	4260357	21820214.1	
4260929	Baldwin Filters, Inc.	07/07/2021	4260929	23190638.9	
4260977	Sumitomo Electric Industries, Ltd.	24/11/2021	4260977	21903182.0	
4261123	SoftBank Corp.	04/11/2021	4261123	21906182.7	
4261130	Embraer S.A.	08/07/2022	4261130	22183859.2	
4261344	Valmet Technologies Oy	05/03/2023	4261344	23160081.8	
4261380	Benedetto, Nicola	03/04/2023	4261380	23166412.9	
4261768	Sony Interactive Entertainment Inc.	21/03/2023	4261768	23163200.1	
4261819	BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.	27/07/2022	4261819	22826640.9	
4261867	Hitachi Energy Ltd	31/05/2022	4261867	22176291.7	
4262250	Siemens Aktiengesellschaft	14/04/2022	4262250	22168514.2	
4262671	SEB S.A.	09/12/2021	4262671	21851816.5	French
4263053	Dow Global Technologies LLC	14/12/2021	4263053	21851642.5	
4263056	SpinChip Diagnostics AS	30/11/2021	4263056	21823823.6	
4263303	AGCO International GmbH	27/11/2021	4263303	21819590.7	
4263469	Yara International ASA	21/12/2021	4263469	21824418.4	
4263497	CASALE SA	19/11/2021	4263497	21810376.0	
4263709	Covestro Deutschland AG	13/12/2021	4263709	21835289.6	German
4263775	BASF SE	08/12/2021	4263775	21819520.4	
4264038	Hart, Stephen	29/11/2021	4264038	21823996.0	
4264193	Endress+Hauser Flowtec AG	26/11/2021	4264193	21824499.4	German
4264289	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. Friedrich-Schiller-Universität Jena	15/12/2021	4264289	21839902.0	German
4264356	Stellantis Auto SAS	09/11/2021	4264356	21815576.0	French
4264659	Commissariat à l'Energie Atomique et aux Energies Alternatives SOITEC	29/11/2021	4264659	21835348.0	French
4264753	THALES	13/12/2021	4264753	21836153.3	French
4265372	Tsudakoma Kogyo Kabushiki Kaisha	28/03/2023	4265372	23164682.9	
4265422	Seiko Epson Corporation	18/04/2023	4265422	23168391.3	
4265429	prowito GmbH	20/04/2023	4265429	23168947.2	German
4265500	Suzuki Motor Corporation	17/01/2023	4265500	23152016.4	
4266349	Contemporary Amperex Technology (Hong Kong) Limited	28/02/2022	4266349	22919281.0	
4267058	Johnson & Johnson Surgical Vision, Inc.	13/12/2021	4267058	21827670.7	
4267383	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	29/11/2021	4267383	21836591.4	French
4267643	Covestro Deutschland AG	15/12/2021	4267643	21836541.9	
4267668	BASF SE	10/12/2021	4267668	21836453.7	
4268410	Keyfactor, Inc.	17/11/2021	4268410	21830826.0	
4268664	Guinnot BV	08/11/2019	4268664	23198168.9	
4268759	Stryker Corporation	23/10/2019	4268759	23197288.6	
4268910	Angel Playing Cards Co., Ltd.	17/11/2016	4268910	23196464.4	
4269220	Guenoum, Mikaël Cognigni, Eric	26/04/2023	4269220	23170166.5	French
4269230	Airbus Opérations SAS	27/04/2023	4269230	23170263.0	French
4269487	Firbest CO., Ltd.	10/03/2023	4269487	23161233.4	
4269488	RTX Corporation	06/06/2017	4269488	23197785.1	
4269705	Robert Bosch GmbH	21/04/2023	4269705	23169142.9	German
4269707	Robert Bosch GmbH	21/04/2023	4269707	23169150.2	German

4270426	Robert Bosch GmbH	26/04/2022	4270426	22169884.8	
4270471	Arieca Inc.	24/02/2021	4270471	23196641.7	
4271214	Altria Client Services LLC	23/11/2021	4271214	21827502.2	
4271220	NIKE Innovate C.V.	29/12/2021	4271220	21848100.0	
4272374	Hughes Network Systems, LLC	28/12/2021	4272374	21851915.5	
4272539	N.V. Depoortere	20/04/2023	4272539	23169003.3	French
4272787	Nicoventures Trading Limited	21/03/2017	4272787	23191768.3	
4273431	TechnipFMC Subsea France	05/05/2022	4273431	22305669.8	
4273661	Airbus SAS	25/04/2023	4273661	23169781.4	French
4274282	Huawei Technologies Co. Ltd.	30/01/2021	4274282	21921915.1	
4274786	Anglian Bespoke Corrugated and Packaging Ltd.	23/12/2021	4274786	21848257.8	
4274882	Dow Global Technologies LLC Rohm and Haas Company	02/12/2021	4274882	21831418.5	
4274893	REVVITY DISCOVERY LIMITED	05/01/2022	4274893	22704407.0	
4274919	Siemens Energy Global GmbH & Co. KG	09/02/2022	4274919	22706762.6	German
4275038	GrindoSonic BV	07/01/2022	4275038	22700585.7	
4275116	Microsoft Technology Licensing, LLC	30/11/2021	4275116	21835020.5	
4275286	InterDigital Patent Holdings, Inc.	07/01/2022	4275286	22705191.9	
4276231	Açelik Anonim Sirketi	30/03/2023	4276231	23165464.1	
4276335	Hamilton Sundstrand Corporation	12/10/2019	4276335	23179611.1	
4276359	Siemens Energy Global GmbH & Co. KG	19/01/2023	4276359	23152425.7	
4276390	Açelik Anonim Sirketi	30/03/2023	4276390	23165439.3	
4276561	Google LLC	30/09/2022	4276561	22199227.4	
4277312	Panasonic Intellectual Property Corporation of America	03/11/2016	4277312	23199727.1	
4277700	Hofmeir Magnetics Limited	12/01/2022	4277700	22703944.3	
4277757	Primetals Technologies Germany GmbH	13/01/2022	4277757	22700614.5	German
4277800	VALEO EMBRAYAGES	17/01/2022	4277800	22700410.8	French
4277941	Covestro Deutschland AG	22/12/2021	4277941	21835784.6	German
4278076	SAFRAN AIRCRAFT ENGINES	07/01/2022	4278076	22700010.6	French
4278204	Stellantis Auto SAS	30/11/2021	4278204	21824629.6	French
4278397	Nano Cats GmbH	14/01/2022	4278397	22701345.5	German
4278482	Huawei Technologies Co. Ltd.	01/03/2021	4278482	21715988.8	
4279492	Lg Chem, Ltd.	31/03/2022	4279492	22781631.1	
4279699	Schmitz, Werner	11/05/2023	4279699	23172722.3	German
4280387	Legrand France Legrand SNC	15/05/2023	4280387	23173454.2	French
4280569	GEOTAB Inc.	18/04/2023	4280569	23168507.4	
4280570	GEOTAB Inc.	18/04/2023	4280570	23168510.8	
4280571	GEOTAB Inc.	18/04/2023	4280571	23168590.0	
4281448	BASF SE	21/01/2022	4281448	22702211.8	
4281490	Covestro Deutschland AG	14/01/2022	4281490	22701199.6	German
4281690	Neugart GmbH	01/02/2023	4281690	23703162.0	German
4281723	ANDRITZ Metals Germany GmbH	09/11/2021	4281723	21805961.6	German
4281826	3DHitech Kft.	26/02/2021	4281826	21729921.3	
4282184	T-Mobile Innovations LLC	11/01/2022	4282184	22701501.3	
4282659	Ricoh Company, Ltd.	22/05/2023	4282659	23174518.3	
4282793	Syntegon Packaging Technology GmbH	25/05/2023	4282793	23175328.6	German
4282806	OTIS Elevator Company	13/11/2020	4282806	23188441.2	
4283146	Hamilton Sundstrand Corporation	17/05/2023	4283146	23174080.4	
4283216	mitsubishi electric corporation	22/01/2021	4283216	21921029.1	
4283556	BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.	25/11/2021	4283556	21922496.1	
4283646	Oceanwell (Xiamen) Industrial Co., Ltd.	25/05/2023	4283646	23175459.9	German
4284346	ENHANCED SYSTEMS & TECHNOLOGIES S.R.L.	26/01/2022	4284346	22706695.8	
4284574	Soudronic AG	04/03/2021	4284574	21710257.3	German
4284660	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	03/01/2022	4284660	22700015.5	
4284715	LATECOERE	27/01/2022	4284715	22702689.5	French

4285580	International Business Machines Corporation	17/01/2022	4285580	22703553.2	
4285866	Edwards Lifesciences Corporation	18/02/2015	4285866	23203298.7	
4285867	Edwards Lifesciences Corporation	18/02/2015	4285867	23203320.9	
4285890	Amorepacific Corporation	16/03/2023	4285890	23162425.5	
4286233	Hyundai Mobis Co., Ltd. Konkuk University Industrial Cooperation Corp.	15/11/2022	4286233	22207438.7	
4286253	MAZDA MOTOR CORPORATION	27/03/2023	4286253	23164227.3	
4287155	Deutsche Telekom AG	31/05/2022	4287155	22176474.9	German
4287542	Telefonaktiebolaget LM Ericsson (publ)	11/08/2020	4287542	23191348.4	
4288252	Knapp AG	02/11/2021	4288252	21805350.2	German
4288671	Stellantis Auto SAS	04/01/2022	4288671	22703010.3	French
4289033	Beckhoff Automation GmbH	23/11/2021	4289033	21819766.3	German
4289370	Devicor Medical Products, Inc.	01/12/2017	4289370	23198346.1	
4290386	Google LLC	11/11/2022	4290386	22207008.8	
4290541	Meidensha Corporation	17/01/2022	4290541	22749446.5	
4290844	Honor Device Co., Ltd.	04/01/2023	4290844	23737072.1	
4291258	Aesculap AG	25/01/2022	4291258	22708339.1	German
4291607	Cabot Corporation	03/02/2022	4291607	22710774.5	
4292382	Google LLC	25/02/2022	4292382	22711366.9	
4292976	3IVM S.r.l.	12/06/2023	4292976	23178623.7	
4294579	Guala Dispensing S.p.A.	17/02/2022	4294579	22707848.2	
4294602	Technicka Univerzita v Liberci	01/11/2021	4294602	21830382.4	
4294731	I.M.A. Industria Macchine Automatiche S.p.A.	28/01/2022	4294731	22706127.2	
4296065	BOBST MEX SA	09/06/2023	4296065	23178335.8	
4296183	Sensoneo j. s. a.	19/06/2023	4296183	23179913.1	
4296916	Tata Consultancy Services Limited	21/06/2023	4296916	23180648.0	
4297374	ise Individuelle Software und Elektronik GmbH	19/06/2023	4297374	23179926.3	German
4297935	Marchesini Group S.p.A.	18/02/2022	4297935	22710434.6	
4298410	Qlar Europe GmbH	23/02/2022	4298410	22707431.7	German
4298868	Signify Holding B.V.	21/02/2022	4298868	22711881.7	
4299325	Seiko Instruments Inc.	26/06/2023	4299325	23181391.6	
4299327	SCREEN Holdings Co., Ltd.	14/06/2023	4299327	23179317.5	
4299471	Doble Reyes, S.L.	26/06/2023	4299471	23020311.9	
4299873	Sandvik Mining and Construction Oy	01/07/2022	4299873	22182452.7	
4299906	Arçelik Anonim Sirketi	31/05/2023	4299906	23176332.7	
4300115	Siemens Healthineers AG	30/06/2022	4300115	22182181.2	German
4300920	Huawei Technologies Co., Ltd.	18/02/2019	4300920	23211039.5	
4301217	Turun yliopisto	22/02/2022	4301217	22715118.0	
4301643	VOLVO TRUCK CORPORATION	04/03/2021	4301643	21710427.2	
4302142	Lankhorst Touwfabrieken B.V.	09/09/2022	4302142	22769408.0	
4302291	Joris Beets Design Limited	24/02/2022	4302291	22707814.4	
4304847	Hexcel Reinforcements	07/03/2022	4304847	22713439.2	French
4305290	SAFRAN AIRCRAFT ENGINES	24/02/2022	4305290	22708113.0	French
4306247	Sumitomo Electric Hardmetal Corp.	08/03/2021	4306247	21930030.8	
4308651	Forschungszentrum Jülich GmbH	14/03/2022	4308651	22713951.6	German
4308823	Edwards Limited	04/03/2022	4308823	22710702.6	
4309127	Medtronic Navigation, Inc.	11/03/2022	4309127	22717309.3	
4309172	Telefonaktiebolaget LM Ericsson (publ)	18/03/2021	4309172	21713931.0	
4310012	TT Innovation AG	22/07/2022	4310012	22186443.2	German
4311686	Zanini Auto Grup, S.A.	27/07/2022	4311686	22382720.5	
4312401	Prisma S.r.l. D'Elia, Daniele Cono	11/07/2023	4312401	23184831.8	
4312557	Elicit Plant	07/10/2022	4312557	22801755.4	
4312831	Lumitex, Inc.	23/03/2022	4312831	22715914.2	
4313491	Hilti Aktiengesellschaft	16/03/2022	4313491	22715601.5	German
4313492	Hilti Aktiengesellschaft	17/03/2022	4313492	22716201.3	German
4313493	Hilti Aktiengesellschaft	10/03/2022	4313493	22711978.1	German
4313536	Woojin Plaimm Co.,Ltd.	29/06/2022	4313536	22740754.1	German

4313627	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	17/03/2022	4313627	22714488.8	French
4314229	Henkel AG & Co. KGaA	24/02/2022	4314229	22710014.6	German
4314408	Alpla Werke Alwin Lehner GmbH & CO. KG	25/03/2022	4314408	22718203.7	
4314411	Tecnaro Gesellschaft zur industriellen Anwendung nachwachsender Rohstoffe mbH Morton Extrusionstechnik GmbH	24/05/2022	4314411	22731123.0	German
4314962	Siemens Aktiengesellschaft	11/05/2022	4314962	22728828.9	German
4315180	Google LLC	30/06/2022	4315180	22748150.4	
4316377	Varian Medical Systems, Inc.	25/07/2023	4316377	23187693.9	
4316557	Guangzhou Landswick Medical Technologies Ltd.	21/04/2023	4316557	23792859.3	
4316995	PIERI S.r.l.	31/07/2023	4316995	23188584.9	
4317852	MITSUBISHI ELECTRIC CORPORATION	01/04/2021	4317852	21935013.9	
4318465	Huawei Technologies Co., Ltd.	21/04/2022	4318465	22798580.1	
4319866	Envoy Medical Corporation	01/04/2022	4319866	22719107.9	
4321135	Hollister Incorporated	09/11/2020	4321135	23209463.1	
4322049	race result AG	08/08/2022	4322049	22189293.8	
4323155	REEMTSMA, Satchel	13/04/2021	4323155	21721611.8	German
4323205	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	11/04/2022	4323205	22722854.1	French
4323621	Metrol Technology Limited	13/04/2022	4323621	22719324.0	
4323849	Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A.	14/04/2022	4323849	22717278.0	
4324070	Socomec S.A.	05/04/2022	4324070	22720964.0	French
4324185	ScanTrust B.V.	13/04/2022	4324185	22722529.9	
4326972	SAFRAN AIRCRAFT ENGINES	12/04/2022	4326972	22722300.5	French
4327369	Commissariat à l'Energie Atomique et aux Energies Alternatives	04/04/2022	4327369	22720442.7	French
4327370	Commissariat à l'Energie Atomique et aux Energies Alternatives	04/04/2022	4327370	22720951.7	French
4328059	FERRARI S.p.A.	18/08/2023	4328059	23192111.5	
4329465	Sabi Agri	04/05/2022	4329465	22723484.6	French
4329572	Icare Sas	04/05/2022	4329572	22723485.3	French
4329924	MAHLE International GmbH	08/04/2022	4329924	22721727.0	German
4330065	Stellantis Auto SAS	14/03/2022	4330065	22713985.4	French
4330356	Shell Internationale Research Maatschappij B.V.	21/04/2022	4330356	22725380.4	
4330521	Nuovo Pignone Technologie - S.r.l.	22/04/2022	4330521	22725700.3	
4331584	Inventiva	26/07/2019	4331584	23201458.9	French
4335675	Cramaro Holding S.p.A.	10/11/2020	4335675	23220868.6	
4336018	Rolls-Royce plc	09/08/2023	4336018	23190608.2	
4336395	Samsung Electronics Co., Ltd.	22/06/2023	4336395	23180932.8	
4336860	Sagemcom Broadband SAS	29/08/2023	4336860	23194096.6	French
4337608	Timab Magnesium	10/05/2022	4337608	22727966.8	French
4337745	Merck Patent GmbH	11/05/2022	4337745	22728568.1	
4337914	Airbus Defence and Space SAS	05/09/2022	4337914	22782914.0	French
4338847	Guangdong Neat Packaging Co., Ltd.	03/08/2023	4338847	23189474.2	
4339010	Airbus (S.A.S.)	22/06/2023	4339010	23181030.0	French
4339423	Huet, Christian	20/06/2023	4339423	23180375.0	French
4339823	Synamedia Limited	31/08/2023	4339823	23194736.7	
4339976	Raycap, S.A.	05/09/2018	4339976	23220638.3	
4340324	Samsung SDS Co., Ltd.	10/07/2023	4340324	23184403.6	
4341336	Aquafil S.p.A.	16/05/2022	4341336	22725932.2	
4341500	Jomoo Kitchen & Bath Deutschland GmbH	11/05/2022	4341500	22729070.7	German
4342762	Ohta, Ryoza	26/05/2023	4342762	23754990.2	
4343124	Purem GmbH	01/08/2023	4343124	23188824.9	German
4343791	Westinghouse Electric Sweden AB	23/09/2022	4343791	22197342.3	
4345269	Rolls-Royce plc	04/09/2023	4345269	23195091.6	

4349313	Love Oh Tech, S.L.U.	03/10/2022	4349313	22382925.0	
4350112	Mixal S.r.l.	27/09/2023	4350112	23200150.3	
4352152	Purenum GmbH	09/06/2022	4352152	22734244.1	German
4352280	Industrie De Nora S.P.A.	01/08/2022	4352280	22761092.0	
4352492	Commissariat à l'Energie Atomique et aux Energies Alternatives Aryballe	06/06/2022	4352492	22731692.4	French
4353598	LISI Aerospace	12/10/2023	4353598	23203159.1	French
4354135	Tata Consultancy Services Limited	31/01/2023	4354135	23154098.0	
4355027	Chromalox, Inc.	10/10/2023	4355027	23202637.7	
4356401	Zeno Power Systems, Inc.	16/06/2022	4356401	22741640.1	
4360931	Yamaha Hatsudoki Kabushiki Kaisha	18/07/2023	4360931	23186038.8	
4361620	ARKRAY, Inc.	20/10/2023	4361620	23205002.1	
4364833	Sio Co., Ltd.	30/10/2023	4364833	23206719.9	
4366158	ULTRAWATT	20/10/2023	4366158	23204971.8	French
4366788	Signify Holding B.V.	27/06/2022	4366788	22734644.2	
4367350	HUF Hülsbeck & Fürst GmbH & Co. KG	20/05/2022	4367350	22730186.8	German
4368286	NIPPON STEEL Chemical & Material Co., Ltd.	12/05/2022	4368286	22869630.8	
4368705	Collectis	11/03/2015	4368705	24153261.3	
4368793	Metselbedrijf Gebroeders Slobbe V.O.F.	10/11/2022	4368793	22206538.5	
4368809	LMR Drilling GmbH	10/11/2022	4368809	22206595.5	German
4370253	Dürr Systems AG	22/11/2022	4370253	22821426.8	German
4372331	SICK Engineering GmbH	18/11/2022	4372331	22208242.2	German
4372417	SICK AG	18/11/2022	4372417	22208244.8	German
4372510	Vorwerk & Co. Interholding GmbH	17/11/2022	4372510	22208127.5	German
4375784	Tomahawk Robotics, Inc.	23/06/2022	4375784	24167814.3	
4376673	Unilever Global IP Limited	05/07/2022	4376673	22744700.0	
4377122	Mercedes-Benz Group AG	26/07/2022	4377122	22757273.2	German
4377129	Caterpillar Inc.	23/11/2022	4377129	22843470.0	
4381732	Envisics Ltd	29/03/2023	4381732	23715846.4	
4382441	Syntegon Technology GmbH	18/10/2023	4382441	23204430.5	German
4383748	Sagemcom Broadband SAS	21/11/2023	4383748	23211128.6	French
4384752	Saudi Arabian Oil Company	26/09/2022	4384752	22790178.2	
4385358	ALBEA SERVICES	29/11/2023	4385358	23213161.5	French
4386193	Rolls-Royce plc	29/11/2023	4386193	23212942.9	
4386601	Tata Consultancy Services Limited	30/11/2023	4386601	23213390.0	
4388375	Cellerate Limited	10/08/2022	4388375	22754503.5	
4389635	Greif International Holding BV	15/12/2023	4389635	23217369.0	
4390282	Universidad Politecnica de Cartagena	21/12/2022	4390282	22383253.6	
4398549	Getac Technology Corporation WHP Workflow Solutions, Inc.	15/12/2023	4398549	23217142.1	
4400287	Leister Technologies AG	12/01/2023	4400287	23151276.5	German
4401625	Koninklijke Philips N.V.	15/12/2022	4401625	22839685.9	
4402295	Chinuka Ltd	07/10/2022	4402295	22800731.6	
4402601	Hitachi Energy Ltd	03/11/2022	4402601	22822277.4	
4403352	Yamaha Hatsudoki Kabushiki Kaisha	06/12/2023	4403352	23214589.6	
4405858	Carl Zeiss Shanghai Co. Ltd. Carl Zeiss Vision International GmbH	04/11/2022	4405858	22817109.6	
4406177	Telefonaktiebolaget LM Ericsson (publ)	23/09/2021	4406177	21783189.0	
4406484	IMGT Co, Ltd.	19/07/2023	4406484	23186554.4	
4406872	UAB Baltic caps	25/01/2023	4406872	23153273.0	
4407615	Dolby International AB	23/06/2011	4407615	24182508.2	
4411332	Citizen Finedevice Co., Ltd. Citizen Watch Co., Ltd.	22/01/2024	4411332	24153165.6	
4412827	Lohmann GmbH & Co. KG	07/10/2021	4412827	21805379.1	German
4413600	Hitachi Energy Ltd	21/11/2022	4413600	22818085.7	
4418201	Axis AB	14/02/2023	4418201	23156434.5	
4434677	Nanjing Chervon Industry Co., Ltd.	30/06/2023	4434677	23182556.3	
4444214	Aesculap AG	07/02/2024	4444214	24704712.9	German
4456803	Zatirukha, Volodymyr Anatoliyovych	29/07/2022	4456803	22789354.2	

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2240134	Implantica Patent Ltd.	29/01/2009	2240134	09706035.4	
2332501	Hoya Corporation	27/08/2009	2332501	09811445.7	
2340786	Hoya Corporation	20/08/2009	2340786	09808290.2	
2503971	Menta, Gregory S.	19/11/2010	2503971	10832297.5	
2541025	Mitsubishi Jidosha Kogyo Kabushiki Kaisha	15/03/2012	2541025	12159756.1	
2545135	Baker Hughes Holdings LLC	07/03/2011	2545135	11707989.7	
2551146	GE Intellectual Property Licensing, LLC	17/07/2012	2551146	12176668.7	
2579659	Datang Mobile Communications Equipment Co., Ltd.	17/05/2011	2579659	11789121.8	
2591007	Futamura Chemical UK Limited	21/06/2011	2591007	11730401.4	
2672509	iSABers Japan Co. Ltd. Suga, Tadatomo	30/01/2012	2672509	12742631.0	
2673025	Becton, Dickinson and Company	08/02/2012	2673025	12744913.0	
2698521	Innio Jenbacher GmbH & Co OG	16/07/2013	2698521	13003563.7	German
2703077	N.E. Chemcat Corporation	11/01/2012	2703077	12777161.6	
2725215	PHINIA Delphi Luxembourg SARL	23/10/2012	2725215	12189607.0	
2771603	Aegis Flow Technologies, LLC	17/10/2012	2771603	12844161.5	
2790410	Disney Enterprises, Inc.	14/04/2014	2790410	14164611.7	
2806128	Kawasaki Motors, Ltd.	16/05/2014	2806128	14168627.9	
2825185	Izun Pharmaceuticals Corporation	13/03/2013	2825185	13718907.2	
2876298	Delphi Automotive Systems Luxembourg SA	21/11/2013	2876298	13193801.1	
2959435	HERE Global B.V.	25/02/2013	2959435	13718894.2	
3019660	Ecolab USA Inc.	08/07/2014	3019660	14822411.6	
3034613	Saraya Co., Ltd.	06/08/2014	3034613	14834955.8	
3050560	Daicel Corporation	24/09/2014	3050560	14848881.0	
3077160	Robert Bosch GmbH	06/11/2014	3077160	14795622.1	German
3077650	Robert Bosch GmbH	18/11/2014	3077650	14805508.0	German
3110188	Xiaomi Inc.	29/04/2016	3110188	16167748.9	
3115683	VALEO VISION	30/06/2016	3115683	16177276.9	French
3132620	Continental Automotive Technologies GmbH	09/04/2015	3132620	15714827.1	German
3133244	RTX Corporation	15/08/2016	3133244	16184207.5	
3134193	Rio Tinto Alcan International Limited	09/04/2015	3134193	15783273.4	
3141219	Medtronic, Inc.	23/04/2009	3141219	16194215.6	
3141868	NIKE Innovate C.V.	24/04/2007	3141868	16194447.5	
3149743	Bevan, Heba	26/05/2015	3149743	15727714.6	
3149845	Eaton Intelligent Power Limited	28/05/2015	3149845	15798718.1	
3151989	Zoneflow Reactor Technologies, LLC	02/06/2015	3151989	15803257.3	
3161227	The Eastern Company	23/06/2015	3161227	15811781.2	
3164058	Digital Diagnostics Inc.	02/07/2015	3164058	15815192.8	
3169507	Sacmi Imola S.C.	15/07/2015	3169507	15738343.1	
3171392	Resonac Corporation	16/07/2015	3171392	15822218.2	
3180361	Julius-Maximilians-Universität Würzburg	11/08/2015	3180361	15757154.8	
3183277	Nova Chemicals (International) S.A.	06/08/2015	3183277	15754032.9	
3184911	BSH Hausgeräte GmbH	25/11/2016	3184911	16200689.4	German
3190092	Kurita Water Industries Ltd.	31/08/2015	3190092	15837989.1	
3190240	Sapa AS	04/01/2017	3190240	17150319.6	German
3191688	SAFRAN AIRCRAFT ENGINES	03/09/2015	3191688	15763966.7	French
3199169	Anterogen Co., Ltd.	03/11/2014	3199169	14902879.7	
3200425	Google LLC	10/08/2012	3200425	17161244.3	
3200665	Illinois Tool Works Inc.	29/09/2015	3200665	15778523.9	
3205126	TOYOTA JIDOSHA KABUSHIKI KAISHA	31/08/2015	3205126	15763657.2	
3206050	Trimble Inc.	19/03/2012	3206050	17162542.9	
3207958	KGG Brandschutzsysteme GmbH	10/02/2017	3207958	17155670.7	German
3208417	Copeland LP	14/02/2017	3208417	17156102.0	
3208961	Huawei Technologies Co., Ltd.	07/11/2014	3208961	14905429.8	
3213064	Agilent Technologies, Inc.	17/07/2015	3213064	15855286.9	



3215527	Annexon, Inc.	05/11/2015	3215527	15857258.6	
3218914	Power Products, LLC	13/11/2015	3218914	15859664.3	
3220200	CANON KABUSHIKI KAISHA	10/11/2015	3220200	15859805.2	
3225551	Airbus Atlantic	28/03/2017	3225551	17163322.5	French
3226035	Institute Of Nuclear Physics And Chemistry, China Academy of Engineering Physics	01/06/2015	3226035	15862537.6	
3233094	Angiocrine Bioscience, Inc.	18/12/2015	3233094	15871199.4	
3233361	BSH Hausgeräte GmbH	24/11/2015	3233361	15804698.7	
3235412	Jiangsu Midea Cleaning Appliances Co., Ltd.	04/03/2016	3235412	16871802.1	
3238828	Andritz Technology and Asset Management GmbH	07/03/2017	3238828	17159643.0	German
3247347	Biocidium IP Holdco, Co.	22/01/2016	3247347	16739714.0	
3247818	Oerlikon Surface Solutions AG, Pfäffikon	15/01/2016	3247818	16700882.0	German
3249736	Omron Corporation	26/01/2016	3249736	16761372.8	
3250732	Outokumpu Oyj	26/01/2016	3250732	16742834.1	
3252981	ASUSTek Computer Inc.	12/05/2017	3252981	17170835.7	
3254218	Worldpay (UK) Limited	21/07/2016	3254218	16744478.5	
3257507	Sichuan Jiuzhang Bio-technology Co., Ltd.	26/01/2016	3257507	16748589.5	
3259318	SABIC Global Technologies B.V.	19/02/2016	3259318	16706438.5	
3259370	Touchlight IP Limited	17/02/2016	3259370	16706406.2	
3264849	Huawei Technologies Co., Ltd.	16/03/2015	3264849	15884985.1	
3268438	3M Innovative Properties Company	02/03/2016	3268438	16714085.4	
3268800	Microsoft Technology Licensing, LLC	02/03/2016	3268800	16711720.9	
3275963	Honeywell International Inc.	18/04/2005	3275963	17177590.1	
3278213	C3.ai, Inc.	23/03/2016	3278213	16740923.4	
3285702	Japet Medical Devices	08/04/2016	3285702	16733124.8	French
3292145	Laboratoire Français du Fractionnement et des Biotechnologies	06/05/2016	3292145	16726133.8	French
3293666	Samsung Electronics Co., Ltd.	03/08/2017	3293666	17184611.6	
3295468	Plansee SE	02/05/2016	3295468	16728823.2	German
3297033	The Boeing Company	14/09/2017	3297033	17191154.8	
3303912	Lumileds LLC	20/05/2016	3303912	16728777.0	
3305209	C.R. Bard Inc.	09/06/2011	3305209	17193082.9	
3305635	MA Micro Limited	12/05/2010	3305635	17166133.3	
3306205	Samsung Electronics Co., Ltd.	08/09/2017	3306205	17190234.9	
3306945	ZTE Corporation	15/02/2016	3306945	16802336.4	
3310311	Julius Zorn, Inc.	14/06/2016	3310311	16734509.9	
3312686	Samsung Electronics Co., Ltd.	17/10/2017	3312686	17196792.0	
3318029	Qualcomm Incorporated	03/06/2016	3318029	16730948.3	
3319055	Verisure Sàrl	04/11/2016	3319055	16197292.2	
3319989	Laboratoire Français du Fractionnement et des Biotechnologies	06/07/2016	3319989	16747826.2	French
3322314	GB Boucherie NV	13/07/2016	3322314	16738756.2	German
3322380	The Texas A&M University System Corinnova Incorporated	15/07/2016	3322380	16825268.2	
3323921	KARL MAYER STOLL R&D GmbH	22/11/2016	3323921	16200074.9	German
3324881	THT Bio-Science	10/05/2016	3324881	16727752.4	French
3325729	Power Box AG	20/07/2016	3325729	16757931.7	
3327996	Belledonne Communications	23/11/2017	3327996	17203405.0	
3328104	CANON KABUSHIKI KAISHA	23/11/2017	3328104	17203327.6	
3329935	Bharat Biotech International Limited	19/08/2014	3329935	17197816.6	
3330212	Mäkinen, Jaakko	29/11/2017	3330212	17397528.5	
3331564	Imaginab, Inc.	04/08/2016	3331564	16835664.0	
3331806	VINCORION Advanced Systems GmbH	05/08/2016	3331806	16747788.4	German
3333719	Samsung Electronics Co., Ltd University Of Seoul Industry Cooperation Foundation	22/11/2017	3333719	17203099.1	
3335672	Boston Scientific Scimed, Inc.	06/11/2012	3335672	17209221.5	
3336593	Canon Kabushiki Kaisha	29/11/2017	3336593	17204396.0	
3338088	BGI Shenzhen	20/08/2015	3338088	15901516.3	

3339004	SILBO Sp. z o.o.	25/12/2017	3339004	17210565.2	
3339404	Infineum International Limited	11/06/2007	3339404	18152810.0	
3341313	Windmüller & Hölscher KG	06/06/2016	3341313	16728285.4	German
3342660	Hyundai Motor Company Kia Corporation	05/12/2017	3342660	17205380.3	
3351936	QIAGEN Australia Holding Pty. Ltd.	27/06/2012	3351936	18158828.6	
3354403	Citizen Watch Co., Ltd. Citizen Machinery Co., Ltd.	13/09/2016	3354403	16848533.2	
3359309	Alfred Kärcher SE & Co. KG	25/08/2016	3359309	16757025.8	German
3360032	Google LLC	26/09/2016	3360032	16854085.4	
3363439	University Of Manitoba	24/10/2011	3363439	17206278.8	
3364846	BWT Aktiengesellschaft	19/10/2016	3364846	16782284.0	German
3365835	MyScript	18/10/2016	3365835	16790263.4	
3368121	Ecmotek, LLC	28/10/2016	3368121	16860983.2	
3370541	Valio Ltd	02/11/2016	3370541	16797958.2	
3371010	Zoox, Inc.	02/11/2016	3371010	16805236.3	
3375452	Andreakos, Evangelos Salagianni, Maria Biomedical Research Foundation of the Academy of Athens	16/03/2017	3375452	17161461.3	
3380304	Tetra Laval Holdings & Finance S.A.	15/11/2016	3380304	16805321.3	
3380824	Teknologian Tutkimuskeskus VTT OY	03/11/2016	3380824	16863728.8	
3382258	Crompton Technology Group Limited	31/03/2017	3382258	17164436.2	
3384194	Minimax GmbH	30/11/2016	3384194	16809311.0	German
3385076	RTX Corporation	19/03/2018	3385076	18162516.1	
3385743	Case Western Reserve University	06/04/2018	3385743	18166020.0	
3387182	Energy Solutions (US) LLC	08/12/2016	3387182	16808651.0	
3394240	Global Life Sciences Solutions USA LLC	22/12/2016	3394240	16825753.3	
3394681	Covestro Deutschland AG	19/12/2016	3394681	16810432.1	German
3400470	SAAB AB	05/01/2016	3400470	16884069.2	
3402217	GN Hearing A/S	09/05/2017	3402217	17170175.8	
3402862	Inoventeam Université Claude Bernard Lyon 1 Centre National de la Recherche Scientifique (CNRS)	12/01/2017	3402862	17702428.8	French
3403249	Evolution Malta Ltd	12/01/2017	3403249	17705014.3	
3405237	Appelbaum, Nicholas	18/01/2017	3405237	17741161.8	
3406723	CYTUNE PHARMA INSERM (Institut National de la Santé et de la Recherche Médicale)	22/06/2012	3406723	18178428.1	
3410096	SYSMEX CORPORATION	20/01/2017	3410096	17744092.2	
3416068	CrowdStrike, Inc.	25/05/2018	3416068	18174343.6	
3417202	Oorym Optics Ltd.	15/02/2017	3417202	17711356.0	
3417336	Oorym Optics Ltd.	15/02/2017	3417336	17711353.7	
3417691	Polyor SARL	18/06/2018	3417691	18178343.2	French
3418480	Sliding S.R.L.	18/06/2018	3418480	18178257.4	
3418983	Polestar Performance AB	20/06/2017	3418983	17176868.2	
3419418	Bayer CropScience Aktiengesellschaft	22/02/2017	3419418	17706479.7	German
3423167	Volvo Truck Corporation	04/03/2016	3423167	16715609.0	
3424186	Nandbox Inc.	31/08/2016	3424186	16891916.5	
3425826	ZTE Corporation	19/07/2016	3425826	16892267.2	
3427054	Quidel Cardiovascular Inc.	07/03/2017	3427054	17763934.1	
3427084	ConocoPhillips Company	09/03/2017	3427084	17764151.1	
3430110	TotalEnergies OneTech Dow Global Technologies, LLC	14/03/2017	3430110	17710731.5	French
3433027	Oberreit, Derek	23/03/2017	3433027	17771170.2	
3435433	Korea Institute of Science and Technology	19/03/2018	3435433	18162654.0	
3435861	General Electric Company	31/03/2017	3435861	17776821.5	
3436292	Dana Heavy Vehicle Systems Group, LLC	28/03/2017	3436292	17716716.0	
3436598	PamGene B.V. Leiden University Medical Center	31/03/2017	3436598	17717098.2	
3443045	Stora Enso Oyj	12/04/2017	3443045	17782029.7	

3446689	JC (Wuxi) COMPANY, Inc.	20/04/2017	3446689	17785456.9	
3448787	SUN AUTOMATION, INC.	26/04/2017	3448787	17790352.3	
3449281	R3Vox Ltd.	24/06/2018	3449281	18782867.8	
3451049	Essilor Groupe Canada Inc. Université de Montréal	31/08/2017	3451049	17188844.9	
3451565	Huawei Technologies Co., Ltd.	13/05/2016	3451565	16901359.6	
3451666	QUALCOMM Incorporated	09/01/2015	3451666	18198746.2	
3454300	HTC Corporation	12/09/2018	3454300	18193938.0	
3456058	InterDigital Madison Patent Holdings, SAS	05/05/2017	3456058	17727429.7	
3457383	LG Electronics Inc.	17/01/2018	3457383	18151986.9	
3458171	Nano Gas Technologies, Inc.	16/05/2017	3458171	17799995.0	
3468267	ZTE Corporation	04/11/2016	3468267	16903819.7	
3469165	Armstrong World Industries, Inc.	12/07/2017	3469165	17828353.7	
3474196	Siemens Electronic Design Automation GmbH	23/10/2018	3474196	18202161.8	
3476374	Hoya Corporation	28/06/2017	3476374	17820207.3	
3476671	TOYOTA JIDOSHA KABUSHIKI KAISHA	29/10/2018	3476671	18203161.7	
3477375	Nikon Corporation	25/10/2018	3477375	18202573.4	
3477377	Nikon Corporation	25/10/2018	3477377	18202576.7	
3477679	FEI Company	26/10/2017	3477679	17198436.2	
3478431	Refratechnik Holding GmbH	27/06/2017	3478431	17733463.8	German
3479153	Panduit Corp.	22/06/2017	3479153	17735314.1	
3481372	Holzer, Asher	04/07/2017	3481372	17823763.2	
3481381	Orient Pharma Co., Ltd.	05/07/2017	3481381	17824826.6	
3481644	Maxion Wheels Holding GmbH	04/07/2017	3481644	17745828.8	French
3481988	Midea Group Co., Ltd.	18/09/2017	3481988	17871306.1	
3485252	Agilent Technologies, Inc.	15/07/2017	3485252	17828600.1	
3488690	Lely Patent N.V.	12/11/2018	3488690	18205703.4	
3499106	Voss Automotive GmbH	12/12/2018	3499106	18000962.3	German
3501802	Daio Paper Corporation	04/07/2017	3501802	17841297.9	
3506149	FUNDACION CENTRO DE TECNOLOGIAS DE INTERACCION VISUAL Y COMUNICACIONES VICOMTECH	27/12/2017	3506149	17382912.8	
3508145	Ethicon LLC	30/10/2018	3508145	18203458.7	
3508608	Garrett Transportation I Inc.	03/08/2018	3508608	19157409.4	
3510740	Samsung Electronics Co., Ltd.	22/11/2017	3510740	17873507.2	
3514594	Leica Instruments (Singapore) Pte. Ltd.	19/01/2018	3514594	18152619.5	
3514716	CrowdStrike, Inc.	11/01/2019	3514716	19151384.5	
3515781	ZF CV Systems Europe BV	17/08/2017	3515781	17783387.8	German
3515938	CSTONE PHARMACEUTICALS CSTONE PHARMACEUTICAL (SUZHOU) CO., LTD. CSTONE PHARMACEUTICALS (SHANGHAI) CO., LTD.	21/09/2016	3515938	16916449.8	
3516356	Commissariat à l'Energie Atomique et aux Energies Alternatives	19/09/2017	3516356	17783913.1	French
3517544	Hanmi Pharm. Co., Ltd. Sanofi-Aventis Deutschland GmbH	22/09/2017	3517544	17853478.0	
3519513	Swimc, LLC	28/09/2017	3519513	17857418.2	
3524030	Telefonaktiebolaget LM Ericsson (PUBL)	28/09/2017	3524030	17854956.4	
3524550	Rockwell Automation Technologies, Inc.	07/02/2019	3524550	19155850.1	
3525685	LSI Solutions, Inc.	17/10/2017	3525685	17862188.4	
3526202	Arvinas Operations, Inc.	11/10/2017	3526202	17860767.7	
3528282	Canon Kabushiki Kaisha	05/11/2018	3528282	18204405.7	
3528511	FUJIFILM Corporation	11/09/2017	3528511	17860917.8	
3528565	Huawei Technologies Co., Ltd.	04/11/2016	3528565	16920616.6	
3528742	Dentsply Sirona Inc. DeguDent GmbH	18/10/2017	3528742	17794678.7	
3533417	Valcare Medical, Inc.	22/05/2013	3533417	19170261.2	
3533941	Schell GmbH & Co. KG	27/02/2019	3533941	19159569.3	German

3535941	Nagravision Sàrl	20/10/2017	3535941	17787402.1	
3538459	Sidel Participations	07/11/2017	3538459	17808535.3	French
3538546	Novartis AG	10/11/2017	3538546	17808174.1	
3538850	Fiber Sense Limited	10/11/2017	3538850	17869895.7	
3539169	CPS Technology Holdings LLC	09/11/2017	3539169	17808589.0	
3539302	Bose Corporation	08/11/2017	3539302	17804036.6	
3539590	Haemonetics Corporation	05/11/2013	3539590	19171143.1	
3539727	NTN Corporation	08/11/2017	3539727	17869324.8	
3540012	Lubrizol Advanced Materials, Inc.	16/01/2015	3540012	19150835.7	
3540804	Canon Kabushiki Kaisha	02/11/2017	3540804	17870234.6	
3540867	Connecteurs Electriques Deutsch	16/03/2018	3540867	18305292.7	
3541706	Swedish Match North Europe AB	26/10/2017	3541706	17787210.8	
3542732	Ethicon LLC	22/03/2019	3542732	19164696.7	
3544134	Littelfuse, Inc.	15/03/2019	3544134	19163286.8	
3544460	PUMA SE	22/11/2016	3544460	16801134.4	German
3544651	Gambro Lundia AB	26/10/2017	3544651	17794293.5	
3544791	Merck Patent GmbH	20/11/2017	3544791	17800849.6	
3546064	Absoger	28/03/2018	3546064	18305351.1	French
	Institut National Polytechnique de Toulouse				
	Université Paul Sabatier Toulouse III				
	Centre National de la Recherche				
	Scientifique CNRS				
3548189	Broetje-Automation GmbH	24/10/2017	3548189	17788215.6	German
3548734	J. Hench Consulting, Inc.	30/11/2017	3548734	17876489.0	
3549191	AVL List GmbH	29/11/2017	3549191	17808422.4	
	Nissan Motor Co., Ltd.				
3551401	KraussMaffei Technologies GmbH	09/11/2017	3551401	17798182.6	German
3552629	Qualicaps Co., Ltd.	15/11/2017	3552629	17878539.0	
3553075	Washington University	23/01/2013	3553075	19152382.8	
3553848	Kidde Technologies, Inc.	08/04/2019	3553848	19167816.8	
3560463	Hangzhou Tangji Medical Technology Co., Ltd.	28/06/2017	3560463	17907628.6	
3561874	BOE Technology Group Co., Ltd.	13/09/2017	3561874	17861210.7	
3562256	Canon Kabushiki Kaisha	21/11/2017	3562256	17887892.2	
3564855	Hangzhou Hikvision Digital Technology Co., Ltd.	18/10/2017	3564855	17889416.8	
3569804	Hettich-Heinze GmbH & Co. KG	17/05/2019	3569804	19175111.4	German
3570591	Samsung Electronics Co., Ltd.	26/01/2018	3570591	18751355.1	
3570938	Medtronic, Inc.	18/01/2018	3570938	18713050.5	
3571315	GATEHOUSE BIO, INC.	23/01/2018	3571315	18742009.6	
3571605	Microsoft Technology Licensing, LLC	13/01/2018	3571605	18703125.7	
3572650	Mazda Motor Corporation	16/05/2019	3572650	19174788.0	
3572803	Saurer Intelligent Technology AG	03/05/2019	3572803	19172499.6	German
3574075	Henkel AG & Co. KGaA	24/01/2018	3574075	18701336.2	German
3576065	Johnson Controls Fire Protection LP	28/05/2019	3576065	19176903.3	
	Tyco Fire Products LP				
3576395	Adeia Technologies Inc.	30/03/2011	3576395	19186594.8	
3576519	Eco Log Sweden AB	15/10/2018	3576519	18786761.9	
3577254	DORF KETAL CHEMICALS FZE	02/02/2018	3577254	18747335.0	
3581600	Efirm New Material Co., Ltd.	04/07/2018	3581600	18782633.4	
3582368	LG Electronics Inc.	16/04/2019	3582368	19759275.1	
3583465	Barco N.V.	19/02/2018	3583465	18710333.8	
3583835	MTD Products Inc	19/06/2019	3583835	19181259.3	German
3583869	JSP Corporation	15/02/2018	3583869	18754215.4	
3584511	STIEBEL ELTRON GmbH & Co. KG	06/02/2019	3584511	19000070.3	German
3584621	Canon Kabushiki Kaisha	05/02/2018	3584621	18754478.8	
3585063	Starkey Laboratories, Inc.	18/06/2019	3585063	19180985.4	
3588261	CANON KABUSHIKI KAISHA	13/06/2019	3588261	19179923.8	
3589924	Spearmark Holdings Limited	23/02/2018	3589924	18707962.9	
3590639	BIG DAISHOWA CO., LTD.	02/03/2017	3590639	17898834.1	
3592833	TotalEnergies OneTech	12/03/2018	3592833	18715492.7	French

3594918	Contemporary Amperex Technology (Hong Kong) Limited	29/05/2019	3594918	19177461.1	
3596752	Lam Research Corporation	14/03/2018	3596752	18767005.4	
3597607	SHIKOKU CHEMICALS CORPORATION	08/03/2018	3597607	18768636.5	
3598890	Boal Systemen B.V.	17/07/2019	3598890	19186784.5	
3601110	Berkshire Grey Operating Company, Inc.	22/03/2018	3601110	18717184.8	
3602405	ME Innovation SRL	22/03/2018	3602405	18718511.1	
3603658	Cornell University The University of Washington	04/10/2010	3603658	19175034.8	
3603839	Nippon Steel Corporation	20/03/2018	3603839	18775469.2	
3604190	Hitachi, Ltd.	17/11/2017	3604190	17901590.4	
3605125	GS Yuasa International Ltd.	28/03/2018	3605125	18777306.4	
3605523	IBIDEN CO., LTD.	22/03/2018	3605523	18771301.1	
3606592	Bard Access Systems, Inc.	06/04/2018	3606592	18781915.6	
3608706	Toppan Printing Co., Ltd.	04/04/2018	3608706	18780806.8	
3608709	Corning Incorporated	06/11/2012	3608709	19200745.8	
3609736	Rheinmetall Protection Systems GmbH	13/04/2018	3609736	18717621.9	German
3610062	Glatfelter Holding (Switzerland) AG	20/04/2018	3610062	18803152.0	
3611514	HORIBA Advanced Techno, Co., Ltd.	17/07/2018	3611514	18831045.2	
3611798	BOE Technology Group Co., Ltd.	21/09/2017	3611798	17844649.8	
3612601	Covestro (Netherlands) B.V.	17/04/2018	3612601	18717072.5	
3613374	Ethicon LLC	28/12/2018	3613374	19196136.6	
3614103	Atlantic Inertial Systems Limited	23/08/2019	3614103	19193483.5	
3615350	Bridgestone Americas Tire Operations, LLC	17/04/2018	3615350	18791179.7	
3616065	Microsoft Technology Licensing, LLC	06/04/2018	3616065	18722275.7	
3616708	Immatics Biotechnologies GmbH	04/08/2014	3616708	19202028.7	
3619016	Festool GmbH	24/07/2017	3619016	17743324.0	German
3621537	Drew, Alex Bachus, Kent Kubiak, Erik Tashjian, Robert Henniger, Heath University of Utah Research Foundation	09/05/2018	3621537	18798365.5	
3621760	Baker Hughes Holdings LLC	11/05/2018	3621760	18799295.3	
3624762	Givaudan SA	14/05/2018	3624762	18724534.5	
3625164	Dini, Sandro	18/05/2018	3625164	18734616.8	
3625460	Siemens Energy, Inc.	02/05/2018	3625460	18726001.3	
3625624	Valeo Systèmes d'Essuyage	17/05/2018	3625624	18725226.7	French
3627600	Whitecell Eisenhuth GmbH & Co. KG Arkema France	21/09/2018	3627600	18306227.2	
3627656	Koninklijke Philips N.V.	04/10/2011	3627656	19202211.9	
3627712	Hyundai Motor Company Kia Corporation	07/12/2018	3627712	18210996.7	
3627715	Legic Identsystems AG	17/09/2019	3627715	19197702.4	
3629777	Philip Morris Products S.A.	22/05/2018	3629777	18724586.5	
3629824	Universal City Studios LLC	21/05/2018	3629824	18770106.5	
3630035	Kimberly-Clark Worldwide, Inc.	23/05/2018	3630035	18809599.6	
3630509	Base Air Management Limited	15/06/2018	3630509	18738122.3	
3631874	Magic Leap, Inc.	29/05/2018	3631874	18810860.9	
3632212	Montagner, Juliana - Me	26/05/2017	3632212	17911061.4	
3632780	Mazda Motor Corporation	06/09/2019	3632780	19195831.3	
3632986	UBE Corporation	24/05/2018	3632986	18810747.8	
3633668	Casio Computer Co., Ltd.	02/10/2019	3633668	19201062.7	
3634220	Becton, Dickinson And Company	08/06/2018	3634220	18812663.5	
3634391	BPGbio, Inc.	16/05/2018	3634391	18802596.9	
3634730	Wobben Properties GmbH	08/06/2018	3634730	18731035.4	German
3635148	Novelis Inc.	20/08/2018	3635148	18769915.2	
3635901	Qualcomm Incorporated	05/04/2018	3635901	18720850.9	
3635917	Nokia Solutions and Networks Oy	09/05/2017	3635917	17909422.2	
3636624	SBS Steel Belt Systems S.r.l.	18/09/2013	3636624	19204439.4	

3637100	Mitsubishi Heavy Industries, Ltd.	30/01/2018	3637100	18814091.7	
3640253	AYUMI Pharmaceutical Corporation	31/05/2018	3640253	18810097.8	
3640966	Littelfuse, Inc.	15/10/2019	3640966	19203194.6	
3641071	Aptiv Technologies AG	16/10/2019	3641071	19203501.2	
3641183	Sharp Kabushiki Kaisha FG INNOVATION COMPANY LIMITED	13/06/2018	3641183	18817596.2	
3642088	Continental Automotive Technologies GmbH	11/09/2018	3642088	18773358.9	German
3642599	Cornell University Memorial Sloan-Kettering Cancer Center	22/06/2018	3642599	18752302.2	
3644093	iReality AB	12/09/2019	3644093	19197062.3	
3644671	Beijing Xiaomi Mobile Software Co., Ltd.	21/08/2017	3644671	17922244.3	
3644968	Ilko Ilaç Sanayi Ve Ticaret Anonim Sirketi	29/06/2017	3644968	17780234.5	
3645771	Carl Freudenberg KG	21/06/2018	3645771	18733586.4	German
3646908	Daicel Corporation	27/06/2018	3646908	18823047.8	
3649616	Fastbrick IP Pty Ltd	05/07/2018	3649616	18828425.1	
3650246	Continental Reifen Deutschland GmbH	12/11/2018	3650246	18205723.2	German
3650943	CANON KABUSHIKI KAISHA	04/11/2019	3650943	19206865.8	
3651360	Vitesco Technologies Germany GmbH	08/11/2018	3651360	18465613.0	German
3651429	Avago Technologies International Sales Pte. Limited	03/11/2011	3651429	19190615.5	
3653116	InBody Co., Ltd.	27/12/2017	3653116	20150176.4	
3653618	F. Hoffmann-La Roche AG	12/09/2012	3653618	19204552.4	
3654136	InnoLux Corporation	25/10/2019	3654136	19205328.8	
3654961	Centrexion Therapeutics Corporation	20/07/2018	3654961	18834548.2	
3655746	British Telecommunications public limited company	18/07/2018	3655746	18739562.9	
3655809	Viventis Microscopy Sàrl	20/07/2018	3655809	18749735.9	
3656547	Kögel Trailer GmbH	14/11/2019	3656547	19209116.3	German
3656548	Kögel Trailer GmbH	14/11/2019	3656548	19209172.6	German
3657803	Koninklijke KPN N.V. Nederlandse Organisatie voor toegepast-natuurwetenschappelijk Onderzoek TNO	19/11/2019	3657803	19209899.4	
3658813	Minimax Viking Patent Management GmbH	25/07/2018	3658813	18759034.4	German
3661612	Karsten Manufacturing Corporation	06/08/2018	3661612	18840665.6	
3663366	Symrise AG BASF SE	22/11/2010	3663366	19194016.2	German
3663765	Shimadzu Corporation	26/11/2019	3663765	19211434.6	
3666087	Fuji Oil Holdings Inc.	01/08/2018	3666087	18845095.1	
3667802	Sumitomo Seika Chemicals Co., Ltd.	06/08/2018	3667802	18843138.1	
3669875	Institute of Medicinal Biotechnology, Chinese Academy of Medical Sciences	19/06/2019	3669875	19843169.4	
3671422	Sanko Tekstil Isletmeleri San. Ve Tic. A.S.	19/12/2019	3671422	19218033.9	
3671801	Littelfuse, Inc.	29/11/2019	3671801	19212596.1	
3672158	Nokia Solutions and Networks Oy	12/12/2019	3672158	19215520.8	
3674374	Kolon Industries, Inc.	23/08/2018	3674374	18847473.8	
3674812	RISO KAGAKU CORPORATION	17/12/2019	3674812	19217094.2	
3676574	FMC Kongsberg Subsea AS	31/08/2018	3676574	18765083.3	
3677096	Trestoto Pty Limited	28/08/2018	3677096	18849793.7	
3680368	Industry-University Cooperation Foundation Hanyang	26/01/2018	3680368	18854486.0	
3680517	Hiperbaric, S.A.	07/09/2017	3680517	17801067.4	
3680817	Carrier Corporation	10/01/2020	3680817	20151179.7	
3683051	Smurfit Kappa Hoya Papier und Karton GmbH	31/05/2012	3683051	20159274.8	German
3683696	SQream Technologies Ltd.	14/01/2020	3683696	20151789.3	
3686806	Stradvision, Inc.	07/11/2019	3686806	19207673.5	
3688112	Arkema Inc.	25/09/2018	3688112	18861012.5	

3688457	Bundesrepublik Deutschland, vertreten durch die Bundesministerin für Wirtschaft und Energie, diese vertreten durch den Präsidenten der Bundes-	29/09/2017	3688457	17780067.9	
3688987	Huawei Technologies Co., Ltd.	07/11/2017	3688987	17811734.7	
3690935	MediaTek Inc.	15/01/2020	3690935	20152026.9	
3691513	MED-EL Elektromedizinische Geräte GmbH	05/10/2018	3691513	18864083.3	
3692269	Böllhoff Verbindungstechnik GmbH	26/09/2018	3692269	18782001.4	German
3692330	DATALOG, LLC	12/09/2019	3692330	19863384.4	
3693424	Resonac Corporation	16/04/2018	3693424	18864230.0	
3693780	Huawei Technologies Co., Ltd.	10/11/2017	3693780	17931572.6	
3694161	Juniper Networks, Inc.	31/05/2018	3694161	20163523.2	
3694609	Aimwell Holding Pty Ltd	28/09/2018	3694609	18865638.3	
3695341	Samsung Electronics Co., Ltd.	28/11/2018	3695341	18883968.2	
3695370	Huawei Technologies Co. Ltd.	21/11/2018	3695370	18892165.4	
3695476	Littelfuse, Inc.	11/10/2018	3695476	18865486.7	
3695768	BSH Hausgeräte GmbH	15/01/2020	3695768	20151974.1	German
3696893	LG Energy Solution, Ltd.	22/11/2018	3696893	18881108.7	
3697163	Huawei Technologies Co., Ltd.	09/11/2017	3697163	17931245.9	
3697581	Aalborg Universitet	17/10/2018	3697581	18793556.4	
3698049	L'AIR LIQUIDE, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude	09/08/2018	3698049	18765487.6	French
3699292	Katholieke Universiteit Leuven, K.U.Leuven R&D	07/10/2013	3699292	19219353.0	
3699667	Suzhou Microview Medical Technologies Co., Ltd.	15/10/2018	3699667	18868761.0	
3699944	Lell, Peter	14/02/2020	3699944	20157310.2	German
3700570	Stoke Therapeutics, Inc.	23/10/2018	3700570	18871437.2	
3701768	Acquire Industries Ltd. Jerjian, Edward	23/10/2018	3701768	18869816.1	
3702133	General Electric Company	14/01/2020	3702133	20151855.2	
3703019	Glory Ltd.	26/02/2020	3703019	20159513.9	
3703671	Buzzelet Development And Technologies Ltd	30/10/2018	3703671	18872157.5	
3703783	SANOFI	01/11/2018	3703783	18793225.6	
3704753	Tesla, Inc.	30/10/2018	3704753	18801242.1	
3705274	The Boeing Company	23/01/2020	3705274	20153352.8	
3705545	Daikin Industries, Ltd.	30/10/2018	3705545	18872511.3	
3705853	Measurement Specialties, Inc.	05/03/2020	3705853	20161161.3	
3706478	Huawei Technologies Co., Ltd.	20/11/2018	3706478	18881944.5	
3706875	OKKULO LIMITED	09/11/2018	3706875	18804078.6	
3707657	Locus Robotics Corp.	07/11/2018	3707657	18808179.8	
3707887	Samsung Electronics Co., Ltd.	10/01/2019	3707887	19738120.5	
3708804	Pratt & Whitney Canada Corp.	16/03/2020	3708804	20163432.6	
3710329	Jaguar Land Rover Limited	09/11/2018	3710329	18800619.1	
3710712	Penn Engineering & Manufacturing Corp.	09/11/2018	3710712	18879397.0	
3711288	Signify Holding B.V.	13/11/2018	3711288	18800178.8	
3712466	Zhejiang Sanhua Automotive Components Co., Ltd.	13/11/2018	3712466	18877273.5	
3712713	ROLEX SA	18/03/2020	3712713	20163800.4	French
3713135	Huawei Technologies Co., Ltd.	16/11/2018	3713135	18878182.7	
3713167	Huawei Technologies Co., Ltd.	16/11/2018	3713167	18883658.9	
3713529	Université de Montréal Simard, Patrick Marcotte-Collard, Rémy Blanchard, Jean	23/11/2018	3713529	18880763.0	
3714071	DNA Gensee SAS	23/11/2018	3714071	18821723.6	French
3714550	Telefonaktiebolaget LM Ericsson (Publ)	20/11/2017	3714550	17809066.8	
3715134	Sumitomo Heavy Industries Finetech, Ltd.	24/01/2020	3715134	20153485.6	

3715972	OMRON CORPORATION	31/10/2018	3715972	18881730.8	
3716041	Eagle Technology, LLC	13/03/2020	3716041	20162961.5	
3716157	Canon Medical Systems Corporation	03/02/2020	3716157	20155084.5	
3716708	Datang Mobile Communications Equipment Co., Ltd.	11/10/2018	3716708	18882179.7	
3717348	Pinball Boat	28/11/2018	3717348	18808360.4	French
3717994	Microsoft Technology Licensing, LLC	10/11/2018	3717994	18811690.9	
3718037	Jabil Inc.	29/11/2018	3718037	18884007.8	
3719125	Suzhou Ribo Life Science Co., Ltd.	29/11/2018	3719125	18883153.1	
3719253	National Oilwell Varco, L.P.	07/11/2011	3719253	20172619.7	
3719557	Fundació Institut de Ciències Fotòniques Institutió Catalana de Recerca I Estudis Avançats	30/11/2017	3719557	17840589.0	
3719845	Samsung Display Co., Ltd.	19/03/2020	3719845	20164160.2	
3720405	The Procter & Gamble Company	11/05/2018	3720405	18732994.1	
3721410	Koninklijke Philips N.V.	28/11/2018	3721410	18807346.4	
3722276	Purisys LLC	01/07/2016	3722276	20155338.5	
3722482	Brightwell Dispensers Limited	07/04/2020	3722482	20168404.0	
3725726	TK Elevator Innovation and Operations GmbH	19/03/2020	3725726	20164226.1	German
3726617	Samsung SDI Co., Ltd.	13/12/2017	3726617	17934863.6	
3728514	Commissariat à l'Energie Atomique et aux Energies Alternatives	20/12/2018	3728514	18847268.2	French
3729983	Joyetech Europe Holding GmbH	26/11/2018	3729983	18892608.3	
3730883	Jushi Group Co., Ltd.	29/11/2018	3730883	18890594.7	
3732329	Plasser & Theurer Export von Bahnbaumaschinen GmbH	26/11/2018	3732329	18811768.3	German
3732475	INNO-SOL SRL START-UP INNOVATIVA	15/10/2018	3732475	18796770.8	
3732476	INNO-SOL SRL START-UP INNOVATIVA	15/10/2018	3732476	18796771.6	
3732483	DeLaval Holding AB	18/12/2018	3732483	18829516.6	
3734004	Mitsui Kinzoku ACT Corporation	19/03/2018	3734004	18893757.7	
3738310	QUALCOMM INCORPORATED	11/01/2018	3738310	18900321.3	
3738689	Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)	06/11/2018	3738689	18900541.6	
3739458	Google LLC	13/05/2016	3739458	20184432.1	
3740487	Recurium IP Holdings, LLC	08/01/2019	3740487	19738996.8	
3740781	Robert Bosch GmbH	22/11/2018	3740781	18808309.1	German
3741550	BHS Corrugated Maschinen-und Anlagenbau GmbH	31/03/2020	3741550	20166948.8	German
3741972	Rolls-Royce plc	30/04/2020	3741972	20172364.0	
3742116	Harman Becker Automotive Systems GmbH	14/04/2020	3742116	20169359.5	
3744192	Shanghai New Tobacco Product Research Institute Co., Ltd Shanghai Tobacco Group Co., Ltd.	01/03/2018	3744192	18901048.1	
3747864	Midas Pharma GmbH	28/07/2016	3747864	20186783.5	
3748371	Schneider Electric Industries SAS	05/06/2020	3748371	20178462.6	French
3748911	HUAWEI TECHNOLOGIES CO., LTD.	27/02/2019	3748911	19776702.3	
3749130	Nike Innovate C.V.	08/02/2019	3749130	19707209.3	
3749164	LG Electronics Inc.	30/01/2019	3749164	19747370.5	
3749409	Panacea Quantum Leap Technology LLC	07/02/2019	3749409	19752004.2	
3749607	Beexlab S.r.l.	01/02/2019	3749607	19707890.0	
3750494	TERUMO Kabushiki Kaisha	27/02/2019	3750494	19768453.3	
3753676	Positec Power Tools (Suzhou) Co., Ltd	14/02/2019	3753676	19754854.8	
3753804	Mitsubishi Heavy Industries, Ltd.	17/06/2019	3753804	19180723.9	
3756038	Panavision International, L.P.	20/02/2019	3756038	19709285.1	
3756048	Hyperstealth Biotechnology Corporation	13/02/2019	3756048	19758123.4	
3756219	Qualcomm Incorporated	15/01/2019	3756219	19703844.1	
3756389	British Telecommunications public limited company	11/01/2019	3756389	19700384.1	



3756488	Shenzhen Relx Technology Co., Ltd.	24/02/2020	3756488	20158993.4	
3757271	BSH Hausgeräte GmbH	03/03/2020	3757271	20160670.4	German
3757466	Hitachi-Johnson Controls Air Conditioning, Inc.	13/04/2018	3757466	18877298.2	
3757991	Samsung Electronics Co., Ltd.	22/06/2020	3757991	20181461.3	
3758939	Bobst Bielefeld GmbH	26/02/2019	3758939	19709838.7	German
3759010	Compagnie Générale des Etablissements Michelin	01/03/2019	3759010	19709833.8	
3760152	Biosense Webster (Israel) Ltd.	02/07/2020	3760152	20183611.1	
3760554	Martins, Andrea Luciana Avila, Mario Luiz Novaes Da Costa, Ivan Ferreira	01/03/2019	3760554	19760835.9	
3760866	Intex Marketing Ltd.	02/07/2020	3760866	20183668.1	
3764356	VoiceAge Corporation	23/06/2010	3764356	20182973.6	
3764371	Mitsubishi Materials Corporation	01/03/2019	3764371	19764028.7	
3764906	Mobius Imaging, LLC	15/03/2019	3764906	19766939.3	
3765086	Nuchido Limited	13/03/2019	3765086	19718912.9	
3765657	Metsol AG Tokai Cobex Savoie	14/02/2019	3765657	19710746.9	French
3766921	LG CHEM, LTD.	03/07/2019	3766921	19831164.9	
3767285	Murata Manufacturing Co., Ltd.	03/07/2019	3767285	19831012.0	
3767928	LG Electronics Inc.	16/10/2018	3767928	18909955.9	
3768662	Chromatwist Limited	21/03/2019	3768662	19714751.5	
3768959	FPT Industrial S.p.A.	22/03/2019	3768959	19721065.1	
3769141	Corning Incorporated	21/03/2019	3769141	19715675.5	
3769206	Google LLC	02/05/2019	3769206	19728781.6	
3769266	Samsung Electronics Co., Ltd.	25/04/2019	3769266	19799531.9	
3769405	Valeo Electrification	22/03/2019	3769405	19711393.9	French
3769705	Ethicon LLC	14/12/2015	3769705	20196059.8	
3770417	MAZDA MOTOR CORPORATION	16/07/2020	3770417	20186092.1	
3771644	General Electric Company	21/07/2020	3771644	20186964.1	
3771904	Bruker AXS, LLC	30/07/2020	3771904	20188526.6	
3771947	ETA SA Manufacture Horlogère Suisse	29/07/2019	3771947	19188844.5	French
3772919	Bradshaw, Glenn Andrew	10/04/2019	3772919	19784573.8	
3773077	Inter IKEA Systems B.V.	13/03/2019	3773077	19777463.1	
3773281	SI-Bone, Inc.	28/03/2019	3773281	19775637.2	
3773653	Lietuvos sveikatos mokslu universitetas	06/04/2018	3773653	18718225.8	
3774529	Sony Group Corporation Sony Europe B.V.	21/03/2019	3774529	19714745.7	
3775117	Imperial College Innovations Limited	05/04/2019	3775117	19717589.6	
3776828	SMA Solar Technology AG	08/04/2019	3776828	19716881.8	German
3776898	QUALCOMM INCORPORATED	13/02/2019	3776898	19709819.7	
3777063	QUALCOMM Incorporated	02/04/2019	3777063	19729381.4	
3777511	Kubota Corporation	10/06/2019	3777511	20197046.4	
3778153	Sony Group Corporation	22/01/2019	3778153	19776052.3	
3778398	Jamco Corporation	27/03/2018	3778398	18912749.1	
3780875	Beijing Xiaomi Mobile Software Co., Ltd.	25/02/2016	3780875	20199059.5	
3781337	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	17/04/2019	3781337	19772781.1	French
3781602	Chevron Phillips Chemical Company LP	09/04/2019	3781602	19722744.0	
3782566	Seaspine, Inc.	31/07/2020	3782566	20189054.8	
3783405	LG CHEM, LTD.	18/04/2019	3783405	19789094.0	
3785216	Wing Aviation LLC	15/04/2019	3785216	19796734.2	
3785266	MICRON TECHNOLOGY, INC.	25/03/2019	3785266	19792010.1	
3786580	TOPCON CORPORATION	24/08/2020	3786580	20192416.4	
3787497	CoapTech, Inc.	06/05/2019	3787497	19797039.5	
3787587	Umbulizer LLC Piracha, Shaheer Ahmed Gupta, Sanchay Jodeja, Rohan Anwer, Wasay	03/05/2019	3787587	19795872.1	
3787649	Cedars-Sinai Medical Center	05/04/2019	3787649	19796911.6	

3788287	Fastest, Inc.	30/04/2019	3788287	19796934.8	
3788617	Arcana Instruments Ltd.	30/04/2019	3788617	19796392.9	
3788803	WIDEX A/S	26/04/2019	3788803	19721246.7	
3789603	RTX Corporation	12/08/2020	3789603	20190770.6	
3790198	HUAWEI TECHNOLOGIES CO., LTD.	26/11/2015	3790198	20185869.3	
3790611	Biocorp Production S.A.S.	11/05/2018	3790611	18743065.7	
3790646	The Queen's University of Belfast	01/11/2018	3790646	18796093.5	
3791374	Google LLC	17/08/2018	3791374	18772971.0	
3791731	Körber Technologies GmbH	01/09/2020	3791731	20193901.4	German
3793485	Boston Scientific Scimed Inc.	13/05/2019	3793485	19726849.3	
3794149	Allarity Therapeutics Europe ApS	15/05/2019	3794149	19725100.2	
3795056	Hako GmbH	22/09/2020	3795056	20197594.3	German
3796244	Toshiba TEC Kabushiki Kaisha	17/08/2020	3796244	20191386.0	
3796415	Robert Bosch GmbH	16/07/2020	3796415	20186301.6	German
3796974	Stefani, Roberto	20/05/2019	3796974	19730959.4	
3797212	SAFRAN AIRCRAFT ENGINES	20/05/2019	3797212	19733849.4	French
3797602	China Tobacco Hunan Industrial Co., Ltd.	19/03/2019	3797602	19808374.3	
3797631	ASICS Corporation	28/12/2018	3797631	18944849.1	
3798126	Airbus Operations, S.L.U.	25/09/2019	3798126	19382823.3	
3798173	Otis Elevator Company	31/03/2020	3798173	20167000.7	
3798305	AIMED BIO INC.	26/04/2019	3798305	19792085.3	
3798803	Kyocera Corporation	09/05/2019	3798803	19808409.7	
3799128	Samsung Display Co., Ltd.	07/08/2020	3799128	20189997.8	
3800335	FPT Industrial S.p.A.	01/10/2020	3800335	20199700.4	
3800524	HTC Corporation	20/03/2014	3800524	20209082.5	
3800713	LG CHEM, LTD.	19/06/2019	3800713	19821792.9	
3800974	Lemken GmbH & Co KG	05/06/2019	3800974	19734672.9	German
3800984	Maizco S.A.I. Y C.	05/06/2019	3800984	19730720.0	
3801376	Advanced Medical Balloons GmbH	23/05/2019	3801376	19732737.2	German
3801785	Gouzenko, Alexander	03/06/2019	3801785	19820346.5	
3802187	Magna Exteriors Inc.	29/04/2019	3802187	19722492.6	
3803919	QUALCOMM Incorporated	01/05/2019	3803919	19723972.6	
3804062	Panduit Corp.	04/06/2019	3804062	19733266.1	
3804223	Elmos Semiconductor SE	23/05/2019	3804223	19727604.1	German
3804395	Telefonaktiebolaget LM Ericsson (publ)	03/06/2019	3804395	19731351.3	
3805750	SHIMADZU CORPORATION	08/03/2019	3805750	19814017.0	
3805771	Albert-Ludwigs-Universität Freiburg	09/10/2020	3805771	20201084.9	German
3805849	Beijing Xiaomi Mobile Software Co., Ltd.	09/06/2020	3805849	20178976.5	
3806651	Superbrewed Food Inc.	11/04/2019	3806651	19784838.5	
3806948	CardiacAssist, Inc.	12/06/2019	3806948	19820358.0	
3807063	Valmet Tissue Converting S.p.A.	10/06/2019	3807063	19737904.3	
3807189	AUTOSTORE TECHNOLOGY AS	11/06/2019	3807189	19730326.6	
3807429	ThyssenKrupp Steel Europe AG	12/06/2019	3807429	19731909.8	German
	thyssenkrupp AG				
3807928	Raytheon Company	06/05/2019	3807928	19725472.5	
3808062	T-Mobile USA, Inc.	14/06/2019	3808062	19820095.8	
3808072	United Kingdom Research and Innovation	12/06/2019	3808072	19732092.2	
3808188	STIM. AS	22/09/2015	3808188	20212158.8	
3808929	(Shenzhen Hopo Window Control Technology Co., Ltd)	22/10/2019	3808929	19935748.4	
3808971	General Electric Renovables España, S.L.	18/10/2019	3808971	19204128.3	
3809086	Mitsubishi Electric Corporation	13/06/2018	3809086	18922499.1	
3810056	The Procter & Gamble Company	19/06/2019	3810056	19735139.8	
3810057	The Procter & Gamble Company	19/06/2019	3810057	19735140.6	
3810407	Ramot at Tel-Aviv University Ltd.	04/06/2019	3810407	19814062.6	
3810939	Illinois Tool Works, Inc.	20/06/2019	3810939	19735191.9	
3811685	Nokia Technologies Oy	25/06/2018	3811685	18739746.8	
3811989	Nikkiso Company Limited	19/06/2019	3811989	19823372.8	
3812334	Siemens Gamesa Renewable Energy A/S	24/10/2019	3812334	19205054.0	
3812516	Yanmar Power Technology Co., Ltd.	04/06/2019	3812516	19823498.1	
3813692	DePuy Ireland Unlimited Company	29/04/2019	3813692	19720843.2	

3814177	Shanghai Yanfeng Jinqiao Automotive Trim Systems Co. Ltd	27/06/2019	3814177	19825348.6	
3814995	Avery Dennison Retail Information Services LLC	27/06/2019	3814995	19740458.5	
3815521	Hebe Studio Limited	21/05/2020	3815521	20175925.5	
3815524	Yokogawa Electric Corporation	14/06/2019	3815524	19824973.2	
3816054	Wist Co., Ltd.	26/06/2019	3816054	19827193.4	
3816089	KONE Corporation	31/10/2019	3816089	19206410.3	
3816303	National Cancer Center Toray Industries, Inc.	12/06/2015	3816303	20207448.0	
3817473	Beijing Xiaomi Mobile Software Co., Ltd.	29/06/2018	3817473	18925034.3	
3817796	THE GENERAL HOSPITAL CORPORATION	03/07/2019	3817796	19830842.1	
3818407	Nanotronics Imaging, Inc.	21/05/2019	3818407	19830030.3	
3818567	Plessey Semiconductors Limited	04/07/2019	3818567	19739355.6	
3819241	Ontex BV Ontex Group NV	08/11/2019	3819241	19208166.9	
3819596	Elektrobit Automotive GmbH	05/11/2019	3819596	19207179.3	German
3819660	NXP USA, Inc.	05/11/2019	3819660	19207102.5	
3819942	Samsung Display Co., Ltd.	20/09/2018	3819942	18925593.8	
3820436	Beiersdorf AG	12/06/2019	3820436	19730332.4	German
3820918	Nova Chemicals (International) S.A.	03/07/2019	3820918	19778632.0	
3821604	QUALCOMM INCORPORATED	10/07/2019	3821604	19746243.5	
3821694	CNH Industrial Belgium N.V.	17/11/2020	3821694	20208222.8	
3822149	KUBOTA CORPORATION	24/06/2019	3822149	19835106.6	
3822190	Daiwa Can Company	23/08/2019	3822190	19854711.9	
3822585	Volkswagen AG	15/11/2019	3822585	19209337.5	
3822667	Leuze electronic GmbH + Co. KG	17/07/2020	3822667	20186399.0	German
3823664	Regeneron Pharmaceuticals, Inc.	18/07/2019	3823664	19749096.4	
3823729	Libervit	08/07/2019	3823729	19790620.9	French
3824169	MAN Truck & Bus SE	15/07/2019	3824169	19742163.9	German
3824325	3M Innovative Properties Company	10/07/2019	3824325	19772841.3	
3824388	Microsoft Technology Licensing, LLC	17/07/2019	3824388	19837139.5	
3824490	Eaton Intelligent Power Limited	15/07/2019	3824490	19739992.6	
3824806	Cardionxt, Inc.	01/04/2013	3824806	20195701.6	
3824847	Mitral Valve Technologies Sàrl Tompkins, Landon H.	14/08/2014	3824847	20215657.6	
3824905	Fred Hutchinson Cancer Center Seattle Children's Hospital, dba Seattle Children's Research Institute	20/08/2013	3824905	20201497.3	
3825009	Sumitomo Heavy Industries Finetech, Ltd.	25/06/2019	3825009	19838671.6	
3825302	Astellas Pharma Inc.	19/07/2019	3825302	19837826.7	
3825854	Huawei Cloud Computing Technologies Co., Ltd.	19/11/2020	3825854	20208528.8	
3826115	Gaocheng Electronics Co., Ltd Switchlab Inc. Switchlab (Shanghai) Co., Ltd.	19/11/2020	3826115	20208683.1	
3826329	Oticon A/S	19/11/2020	3826329	20208667.4	
3827131	LN1 INC.	12/08/2019	3827131	19847900.8	
3827632	Koninklijke KPN N.V. NEDERLANDSE ORGANISATIE VOOR TOEGEPAST- NATUURWETENSCHAPPELIJK ONDERZOEK TNO	23/07/2019	3827632	19742375.9	
3827703	REHAU Industries SE & Co. KG	19/11/2020	3827703	20208654.2	German
3828551	BRIDGESTONE CORPORATION	13/08/2019	3828551	19855982.5	
3828633	CANON KABUSHIKI KAISHA	26/11/2020	3828633	20209968.5	
3828634	Boso Oil & Fat Co., Ltd. Tomoeagawa Corporation	23/07/2019	3828634	19841083.9	
3828824	Dassault Systèmes	28/11/2019	3828824	19306533.1	
3828837	NCR Voyix Corporation	24/11/2020	3828837	20209402.5	
3829114	Delta Electronics, Inc.	19/11/2020	3829114	20208762.3	

3829786	STN Commissariat à l'Energie Atomique et aux Energies Alternatives	02/09/2019	3829786	19774163.0	French	
3830500	BITZER Kühlmaschinenbau GmbH	01/08/2019	3830500	19746487.8	German	
3831231	Altria Client Services LLC	07/10/2013	3831231	21151712.3		
3831605	Seiko Epson Corporation	02/12/2020	3831605	20211150.6		
3831606	Seiko Epson Corporation	02/12/2020	3831606	20211161.3		
3831868	DuPont Toray Specialty Materials Kabushiki Kaisha	01/12/2020	3831868	20211122.5		
3831976	NIPPON STEEL CORPORATION	31/07/2019	3831976	19844376.4	German	
3832011	Toscotec SpA	02/12/2020	3832011	20211192.8		
3832195	SL Corporation	30/06/2020	3832195	20183172.4		
3832620	Carrier Corporation	03/12/2019	3832620	19213175.3		
3833732	Henkel AG & Co. KGaA	01/08/2019	3833732	19750102.6		
3833807	NIKE Innovate C.V.	08/08/2019	3833807	19759167.0		
3834059	Microsoft Technology Licensing, LLC	28/06/2019	3834059	19744949.9		
3836274	LG Energy Solution, Ltd.	18/03/2020	3836274	20774162.0		
3836877	Sareks Ambalaj Sanayi Ve Ticaret A.S.	14/05/2019	3836877	19869704.7		
3839506	Hirotsu Bio Science Inc.	14/08/2019	3839506	19849382.7		
3840587	Proviron Holding N.V.	22/08/2019	3840587	19756322.4		
3841291	Safran Nacelles	19/08/2019	3841291	19753117.1		French
3841709	Arcus Inc.	23/08/2019	3841709	19851479.6		German
3843903	BASF SE	29/08/2019	3843903	19789860.4		
3843959	Knipex-Werk C. Gustav Putsch KG	27/08/2019	3843959	19759370.0		
3844903	QUALCOMM INCORPORATED	26/08/2019	3844903	19765871.9		
3845064	Gomez Arzapalo Varnier, Johan Martinez de Alva, Fernanda	28/08/2019	3845064	19854654.1		
3847644	Calrec Audio LTD	19/08/2019	3847644	19763041.1	German	
3848417	BASF SE	22/11/2010	3848417	21152561.3		
3850525	Carrier Corporation	13/09/2019	3850525	19778738.5		
3850800	Samsung Electronics Co., Ltd.	08/10/2019	3850800	19871458.6		
3851767	True Manufacturing Co., Inc.	15/01/2021	3851767	21151946.7		
3851883	Toppan Printing Co., Ltd.	18/07/2019	3851883	19860251.8		
3852026	FUJITSU LIMITED	13/09/2018	3852026	18933074.9		
3852157	LG INNOTEK CO., LTD.	01/06/2017	3852157	21161352.6		
3852456	Huawei Technologies Co., Ltd.	01/11/2019	3852456	19879969.4		
3852499	Shenzhen Desheng Electronics Co., Ltd.	03/11/2020	3852499	20205495.3		
3853166	Piling and Vibro Equipment B.V.	16/09/2019	3853166	19828835.9		
3854062	T-Mobile USA, Inc.	14/10/2019	3854062	19879126.1		
3854131	INTEL Corporation	16/09/2019	3854131	19862616.0		
3854356	Globus Medical, Inc	21/01/2021	3854356	21152669.4		
3854498	Nissan Motor Manufacturing (UK) Ltd Renault s.a.s	19/01/2021	3854498	21152390.7		
3854742	Otis Elevator Company	21/01/2021	3854742	21152786.6		
3855549	LG Energy Solution, Ltd.	08/11/2019	3855549	19883102.6		
3855700	nChain Licensing AG	16/04/2018	3855700	21155519.8		
3855720	HUAWEI TECHNOLOGIES CO., LTD.	06/06/2019	3855720	19880852.9		
3855792	HUAWEI TECHNOLOGIES CO., LTD.	01/11/2019	3855792	19879693.0		
3855859	Huawei Technologies Co., Ltd.	29/09/2019	3855859	19871804.1		
3855883	Suppression Technologies, Inc.	02/11/2018	3855883	18935474.9		
3856606	Siemens Mobility GmbH	25/09/2019	3856606	19786467.1		
3856827	Dow Global Technologies LLC	28/09/2018	3856827	18935333.7		
3857469	Samsung Electronics Co., Ltd.	20/11/2019	3857469	19889404.0		
3859127	AGO Technologie GmbH	30/01/2020	3859127	20154683.5		
3859988	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	14/11/2019	3859988	19886493.6		
3860073	VIVO MOBILE COMMUNICATION CO., LTD.	23/08/2019	3860073	19865127.5		
3860112	Viavi Solutions Inc.	01/02/2021	3860112	21154493.7		
3860339	Tritana Intellectual Property Ltd.	18/09/2019	3860339	19868849.1		
3860502	Integra LifeSciences Corporation	21/12/2018	3860502	18840125.1		
3860534	Alcon Inc.	06/12/2019	3860534	19820879.5		

3861346	Eisai R&D Management Co., Ltd.	02/10/2019	3861346	19790311.5	
3862307	Otis Elevator Company	10/11/2020	3862307	20206811.0	
3862687	LG Electronics Inc.	01/10/2019	3862687	19870028.8	
3862967	NEC Corporation	04/10/2018	3862967	18936035.7	
3863931	Cryovac, LLC	07/10/2019	3863931	19783304.9	
3864945	365FarmNet Group KGaA mbH & Co. KG	04/11/2020	3864945	20205623.0	German
3865068	Canon Medical Systems Corporation	12/02/2021	3865068	21156895.1	
3865872	CANON KABUSHIKI KAISHA	18/11/2019	3865872	19887559.3	
3866004	Huawei Technologies Co., Ltd.	09/11/2018	3866004	18939310.1	
3866016	Huawei Technologies Co. Ltd.	20/11/2018	3866016	18940842.0	
3866148	Samsung Display Co., Ltd.	18/11/2020	3866148	20208287.1	
3866860	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	09/10/2019	3866860	19873893.2	
3867541	Boston Scientific Scimed Inc.	18/10/2019	3867541	19798470.1	
3867867	Takeda Pharmaceutical Company Limited	18/10/2019	3867867	19794258.4	
3869304	Wacom Co., Ltd.	21/10/2019	3869304	19881593.8	
3869839	Sena Technologies Inc.	31/10/2019	3869839	19886268.2	
3869923	AT & S Austria Technologie & Systemtechnik Aktiengesellschaft	20/02/2020	3869923	20158509.8	
3869945	DeLaval Holding AB	21/10/2019	3869945	19794720.3	
3870211	Janssen Sciences Ireland Unlimited Company	22/10/2019	3870211	19875615.7	
3870981	Phoenix Contact GmbH & Co. KG	11/10/2019	3870981	19786952.2	German
3871443	Airties Kablosuz Iletisim Sanayi Ve Dis Ticaret A.S.	22/10/2019	3871443	19794688.2	
3871721	ResMed Motor Technologies Inc	24/10/2007	3871721	20217506.3	
3873780	Robert Bosch GmbH	31/10/2019	3873780	19802097.6	
3873845	DELLNER BUBENZER GERMANY GmbH	04/10/2019	3873845	19784023.4	German
3873900	GILEAD SCIENCES, INC.	29/10/2019	3873900	19805085.8	
3874278	Rohm Co., Ltd.	05/11/2019	3874278	19883235.4	
3875030	Delta Electronics, Inc.	24/11/2020	3875030	20209588.1	
3875294	Eberspächer Climate Control Systems GmbH	01/02/2021	3875294	21154538.9	German
3875898	Sony Interactive Entertainment Inc.	31/10/2018	3875898	18938408.4	
3876270	Palo Alto Research Center Incorporated	17/02/2021	3876270	21157734.1	
3877029	ResMed Pty Ltd	26/09/2019	3877029	19865301.6	
3877433	Transitions Optical, Ltd.	07/11/2019	3877433	19828563.7	
3878263	AGCO International GmbH	26/01/2021	3878263	21153377.3	
3878527	Salewa Sport AG	03/03/2021	3878527	21160589.4	German
3878675	Hitachi Construction Machinery Co., Ltd.	04/11/2019	3878675	19881993.0	
3879227	Trimble Inc.	10/03/2020	3879227	20162053.1	
3879961	CNH Industrial Belgium NV	12/11/2019	3879961	19836191.7	
3879976	smaXtec animal care GmbH	13/11/2019	3879976	19805118.7	German
3880481	Hewlett-Packard Development Company, L.P.	30/01/2019	3880481	19912281.3	
3880922	Julius Blum GmbH	18/10/2019	3880922	19797159.1	German
3881539	Qualcomm Incorporated	15/11/2019	3881539	19817886.5	
3881696	Shenzhen First Union Technology Co., Ltd.	06/11/2019	3881696	19884661.0	
3882871	ZTE Corporation	14/11/2019	3882871	19885021.6	
3882911	Deutsches Zentrum für Luft- und Raumfahrt e.V.	01/03/2021	3882911	21159976.6	German
3883357	Popfinger, Michael	19/11/2019	3883357	19809016.9	German
3883495	Nobel Biocare Services AG	22/11/2019	3883495	19809764.4	
3883522	Solventum Intellectual Properties Company	11/11/2019	3883522	19805408.2	
3884172	Fairchild Fasteners Europe - Camloc GmbH	15/11/2019	3884172	19805266.4	German
3884192	MATEC GROUP S.R.L.	20/11/2019	3884192	19839163.3	
3884343	FlightSafety International Inc.	20/11/2019	3884343	19887247.5	
3884876	Smith & Nephew, Inc.	26/02/2021	3884876	21159774.5	
	Smith & Nephew Orthopaedics AG				
	Smith & Nephew Asia Pacific Pte. Limited				

3885016	Wonderbox Workshop Limited	18/03/2021	3885016	21163410.0	
3885395	AGC INC.	18/11/2019	3885395	19887023.0	
3885852	Kabushiki Kaisha Yaskawa Denki	18/03/2021	3885852	21163318.5	
3886526	Huawei Technologies Co., Ltd.	11/11/2019	3886526	19895466.1	
3886718	Koninklijke Philips N.V.	28/11/2019	3886718	19808625.8	
3886998	Minimax Viking Patent Management GmbH	25/11/2019	3886998	19888296.1	
3887224	Bayerische Motoren Werke Aktiengesellschaft	28/11/2019	3887224	19813468.6	German
3887632	Samet Kalip Ve Madeni Esya San. Ve Tic. A.S.	04/11/2019	3887632	19889213.5	
3888071	Koninklijke Philips N.V.	27/11/2019	3888071	19809081.3	
3888590	Zhou, Xing	24/05/2019	3888590	19890757.8	
3888980	Ashimori Industry Co., Ltd. MAZDA MOTOR CORPORATION	29/03/2021	3888980	21165452.0	
3889439	Fujitsu General Limited	22/11/2019	3889439	19890168.8	
3889484	Voss Automotive GmbH	29/03/2021	3889484	21000092.3	German
3889485	Airbus Operations GmbH	30/03/2021	3889485	21165996.6	German
3889919	NXP B.V.	23/03/2021	3889919	21164143.6	
3891031	VOLKSWAGEN AKTIENGESELLSCHAFT	27/11/2019	3891031	19812761.5	German
3891563	VOLKSWAGEN AKTIENGESELLSCHAFT	08/11/2019	3891563	19801549.7	German
3892518	CRRC Changchun Railway Vehicles Co., Ltd.	11/11/2019	3892518	19892752.7	
3892783	Sterling Technology Inc.	28/11/2019	3892783	19891923.5	
3893321	Segway Technology Co., Ltd.	07/04/2021	3893321	21167095.5	
3894794	Robert Bosch GmbH	06/11/2019	3894794	19798630.0	German
3895265	Robert Bosch GmbH	26/11/2019	3895265	19809805.5	German
3895664	Limacorporate S.p.A.	08/04/2013	3895664	21178366.7	
3896191	Richemont International S.A.	09/04/2021	3896191	21167737.2	French
3896572	NTT DoCoMo, Inc.	15/04/2020	3896572	20169593.9	
3896744	NXP USA, Inc.	12/04/2021	3896744	21167786.9	
3896785	VIVO MOBILE COMMUNICATION CO., LTD.	12/11/2019	3896785	19896517.0	
3897134	Ecolab USA Inc.	14/12/2018	3897134	18943163.8	
3902036	DIC Corporation	12/11/2019	3902036	19899524.3	
3903205	Oracle International Corporation	18/12/2019	3903205	19839228.4	
3904211	Hamilton Sundstrand Corporation	27/04/2021	3904211	21170761.7	
3904441	Resonac Corporation	25/11/2019	3904441	19905285.3	
3904787	Mitsubishi Electric Corporation	24/05/2019	3904787	19906431.2	
3904791	Retail Robotics Manufacturing & Services Sp. z o.o.	26/04/2021	3904791	21000115.2	
3905150	Hamilton Sundstrand Corporation	30/04/2021	3905150	21171703.8	
3905908	Shaheen Innovations Holding Limited	20/06/2019	3905908	19933337.8	
3906980	Salewa Sport AG	29/04/2021	3906980	21171381.3	German
3907096	TOYOTA JIDOSHA KABUSHIKI KAISHA	21/12/2012	3907096	21180739.1	
3907567	Patek Philippe SA Genève	19/03/2019	3907567	21182494.1	French
3907847	LG Energy Solution, Ltd.	20/10/2020	3907847	20890183.5	
3907899	Samsung Electronics Co., Ltd.	24/02/2017	3907899	21166933.8	
3909718	Hangzhou United Electric Manufacture Co., Ltd. Hangzhou Great Star Industrial Co., Ltd.	25/12/2019	3909718	19908877.4	
3909750	Concept Laser GmbH	07/07/2017	3909750	21183033.6	German
3910058	CarryGenes Bioengineering, LLC	12/04/2017	3910058	21173114.6	
3910440	iRobot Corporation	07/06/2013	3910440	21168056.6	
3911339	T.C. Erciyes Üniversitesi	24/07/2020	3911339	20846564.1	
3911474	Berndorf Innovations und Technologie GmbH	20/11/2019	3911474	19828184.2	German
3911780	Constellium Bowling Green LLC Constellium Neuf-Brisach	17/01/2020	3911780	20700718.8	

3912453	CNH Industrial Belgium N.V.	18/05/2021	3912453	21174296.0	
3912743	NIPPON STEEL CORPORATION	16/01/2020	3912743	20741382.4	
3912805	Highcon Systems Ltd	07/04/2015	3912805	21181397.7	
3914933	Koninklijke Philips N.V.	20/01/2020	3914933	20701313.7	
3914980	Siemens Aktiengesellschaft	04/03/2020	3914980	20710847.3	German
3916486	CANON KABUSHIKI KAISHA	29/09/2009	3916486	21178700.7	
3916795	Samsung Display Co., Ltd.	28/05/2021	3916795	21176704.1	
3916899	MANN+HUMMEL GmbH	10/05/2021	3916899	21172957.9	German
3917378	MediBeacon Inc.	27/08/2019	3917378	19912286.2	
3917418	Disccath, LLC	31/01/2020	3917418	20708976.4	
3918255	URECSYS - Urban Ecology Systems - Indoor Air Quality Management Ltd. Bassa, Nir Richter, Kobi Amit, Shimon	29/01/2020	3918255	20748471.8	
3918312	DDP Specialty Electronic Materials US, LLC	23/01/2020	3918312	20707929.4	
3918805	Beijing Dajia Internet Information Technology Co., Ltd.	11/02/2020	3918805	20756237.2	
3919275	Kyocera Corporation	28/01/2020	3919275	20748916.2	
3919705	Kobelco Construction Machinery Co., Ltd. Hiroshima University	06/02/2020	3919705	20784078.6	
3919903	Sekisui Medical Co., Ltd. Miyazaki, Toru Social Welfare Organization "Saiseikai" Imperial Gift Foundation Inc.	30/01/2020	3919903	20747776.1	
3919946	OMRON Corporation	25/02/2020	3919946	20774200.8	
3920400	Spreadtrum Communications (Shanghai) Co., Ltd.	05/03/2019	3920400	19913662.3	
3921073	UOP LLC	07/02/2020	3921073	20752685.6	
3921626	PHENOFAST LTD	07/02/2019	3921626	19751456.5	
3922096	Reyenvas, S.A.	08/06/2020	3922096	20382493.3	
3923113	Analog Devices, Inc.	07/06/2021	3923113	21178081.2	
3923472	NXP B.V.	08/06/2020	3923472	20178825.4	
3925558	DePuy Synthes Products, Inc.	28/07/2015	3925558	21189219.5	
3925590	Becton Dickinson Rowa Germany GmbH	16/06/2020	3925590	20180292.3	German
3926457	Hand Held Products, Inc.	18/06/2021	3926457	21180478.6	
3928098	Fundació Institut d'Investigació en Ciències de la Salut Germans Trias i Pujol Fundació Centre de Regulació Genòmica Universitat Pompeu Fabra	20/02/2020	3928098	20704923.0	
3928518	Université de Lorraine Université de Strasbourg	20/02/2020	3928518	20709136.4	French
3929547	Beijing Xiaomi Mobile Software Co., Ltd.	18/02/2021	3929547	21157801.8	
3929649	Shenzhen Nade Optical Co., Ltd.	26/11/2019	3929649	19938110.4	
3930812	Fisher & Paykel Healthcare Limited	28/02/2020	3930812	20766264.4	
3931066	Moving Magnet Technologies	25/02/2020	3931066	20713718.3	French
3931423	Schlumberger Technology B.V.	25/02/2020	3931423	20762547.6	
3932788	Polytec Integrative gemeinnützige GmbH Mondi AG	29/06/2021	3932788	21182524.5	German
3933400	Hitachi High-Tech Corporation	27/02/2020	3933400	20762207.7	
3934098	NXP USA, Inc.	01/07/2020	3934098	20305741.9	
3934313	Samsung Electronics Co., Ltd.	25/03/2020	3934313	20783416.9	
3934374	Spreadtrum Communications (Shanghai) Co., Ltd.	11/02/2020	3934374	20763627.5	
3934845	IMA Schelling Deutschland GmbH	14/04/2020	3934845	20719392.1	German
3935990	Rocked Empire GmbH	02/07/2021	3935990	21183543.4	German
3936178	Beyond Air Ltd	27/01/2017	3936178	21180986.8	
3936179	ResMed Pty Ltd	28/04/2017	3936179	21182213.5	
3936265	CERATIZIT Besigheim GmbH	07/07/2020	3936265	20184416.4	German
3936522	Sekisui Medical Co., Ltd.	06/03/2020	3936522	20769656.8	
3937037	SHAREID	27/07/2020	3937037	20315362.2	

3937807	EDGe Surgical, Inc.	05/03/2020	3937807	20770247.3	
3937932	The Rockefeller University Memorial Sloan-Kettering Cancer Center	12/03/2020	3937932	20769554.5	
3938230	Teijin Limited Teijin Automotive Technologies, Inc.	11/03/2020	3938230	20770409.9	
3938839	Cisco Technology, Inc.	10/03/2020	3938839	20717036.6	
3939205	ZTE Corporation	14/03/2019	3939205	19919019.0	
3939758	Aviplast WFC B.V.	16/07/2020	3939758	20186300.8	
3940293	ELCO Burners GmbH	29/06/2021	3940293	21182423.0	German
3940356	TechnoTeam Holding GmbH	15/07/2021	3940356	21185743.8	German
3940375	ISHIDA CO., Ltd.	07/02/2020	3940375	20774813.8	
3940486	Rockwell Automation Technologies, Inc.	07/07/2021	3940486	21184245.5	
3940952	MediaTek Inc.	12/07/2021	3940952	21184961.7	
3942140	Schulz, Harald	18/03/2020	3942140	20714151.6	German
3942412	Microsoft Technology Licensing, LLC	13/03/2020	3942412	20718440.9	
3942622	voestalpine Metal Forming GmbH	20/03/2020	3942622	20718560.4	German
3942973	Zummo Innovaciones Mecánicas, S.A.U.	18/03/2019	3942973	19920434.8	
3943653	NIKE Innovate C.V.	03/05/2018	3943653	21189695.6	
3944382	Contemporary Amperex Technology (Hong Kong) Limited	12/12/2019	3944382	19927079.4	
3944502	NXP B.V.	14/07/2021	3944502	21185584.6	
3945024	Hamilton Sundstrand Corporation	30/07/2021	3945024	21188736.9	
3946007	Koninklijke Philips N.V.	25/03/2020	3946007	20716086.2	
3946090	Gyrus ACMI, Inc. d/b/a/ Olympus Surgical Technologies America	25/03/2020	3946090	20720261.5	
3947631	Gradientech AB	01/04/2020	3947631	20783330.2	
3948042	Swagelok Company	30/03/2020	3948042	20721947.8	
3949245	Samsung Electronics Co., Ltd.	29/04/2020	3949245	20802567.6	
3949632	SAMSUNG ELECTRONICS CO., LTD.	29/04/2020	3949632	20798608.4	
3949901	Implantica Patent Ltd	09/02/2011	3949901	21199541.0	
3950816	LG CHEM, LTD.	08/02/2021	3950816	21780843.5	
3952272	LG INNOTEK CO., LTD.	20/11/2017	3952272	21196488.7	
3952676	Körber Technologies GmbH	16/03/2020	3952676	20712509.7	German
3952993	Almirall S.A.	17/03/2020	3952993	20710208.8	
3953769	Nivarox-FAR S.A.	06/04/2020	3953769	20715113.5	French
3953961	Applied Materials, Inc.	12/04/2019	3953961	19719198.4	
3954314	Novocure GmbH	26/02/2020	3954314	21188422.6	
3954406	Terumo Cardiovascular Systems Corporation	02/08/2021	3954406	21189085.0	
3954477	Rohr, Inc.	01/04/2019	3954477	21195140.5	
3954607	Honeywell International Inc.	07/07/2021	3954607	21184377.6	
3954662	Corning Incorporated	20/02/2018	3954662	21182882.7	
3954970	Honeywell International Inc.	03/08/2021	3954970	21189533.9	
3955751	Italcastagne S.r.l.	05/05/2020	3955751	20727715.3	
3955998	Nicoventures Trading Limited	09/04/2020	3955998	20719698.1	
3956268	Glassflake Ltd	07/04/2020	3956268	20719688.2	
3956702	President And Fellows Of Harvard College	14/04/2020	3956702	20790964.9	
3956915	Siemens Aktiengesellschaft	01/07/2019	3956915	19739933.0	German
3957159	Wolf Anlagen-Technik GmbH & Co. KG	18/08/2021	3957159	21192033.5	German
3957449	Packsizes LLC	09/11/2012	3957449	21164400.0	
3957638	CHINA RESOURCES BIOPHARMACEUTICAL COMPANY LIMITED	15/04/2020	3957638	20792125.5	
3957748	University of Utah Research Foundation	23/05/2013	3957748	21184359.4	
3957784	Itoi Lifestyle Research Co.	24/03/2021	3957784	21777188.0	
3957894	Airbus Operations Limited	26/07/2021	3957894	21187658.6	
3958414	OMRON Corporation	21/02/2020	3958414	20792043.0	
3958889	Sustain Holdings, LLC	22/04/2020	3958889	20793550.3	
3959139	Safran Helicopter Engines	23/04/2020	3959139	20728101.5	French
3959172	ARKEMA FRANCE	21/04/2020	3959172	20719206.3	French
3959378	Neenah Gessner GmbH	27/04/2020	3959378	20722543.4	
3960090	Vinno Technology (Suzhou) Co., Ltd.	09/12/2019	3960090	19926005.0	



3960195	Centre national de la recherche scientifique INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE - INSERM College de France SORBONNE UNIVERSITE	23/09/2016	3960195	21189549.5	
3960359	NIKON CORPORATION	24/04/2019	3960359	19926011.8	
3960636	The Boeing Company	28/08/2020	3960636	20382768.8	
3960781	Kraton Polymers Research B.V.	18/08/2021	3960781	21191987.3	
3961667	Jozef Stefan Institute	26/08/2020	3961667	20192871.0	
3963953	Nokia Technologies Oy	30/04/2020	3963953	20723376.8	
3965611	CareOS	06/05/2020	3965611	20724955.8	
3965824	Icahn School of Medicine at Mount Sinai	05/05/2020	3965824	20802303.6	
3965851	Battelle Memorial Institute	09/04/2020	3965851	20722913.9	
3966564	SENSORHUT LTD	22/04/2020	3966564	20723482.4	
3966708	Microsoft Technology Licensing, LLC	01/04/2020	3966708	20722062.5	
3966843	Photonis France	22/05/2020	3966843	20737227.7	French
3967276	Osteal Therapeutics, Inc.	09/06/2016	3967276	21183114.4	
3968116	TOYOTA JIDOSHA KABUSHIKI KAISHA	30/10/2015	3968116	21201700.8	
3968698	NEC Corporation	31/10/2019	3968698	21202622.3	
3969173	Airmov, Inc.	14/05/2020	3969173	20724852.7	
3969215	Schaeffler Technologies AG & Co. KG	25/03/2020	3969215	20718136.3	German
3969366	RTE RESEAU DE TRANSPORT D'ELECTRICITE	04/05/2020	3969366	20731922.9	French
3969403	O.M.E.R. S.p.A.	14/05/2020	3969403	20731954.2	
3969811	Traeger Pellet Grills, LLC	06/09/2019	3969811	19773610.1	
3970615	Akademia Gornicz-Hutnicza im. Stanislawa Staszica w Krakowie	18/09/2021	3970615	21197579.2	
3970616	Akademia Gornicz-Hutnicza im. Stanislawa Staszica w Krakowie	18/09/2021	3970616	21197580.0	
3970893	Ansaldo Energia Switzerland AG	18/09/2020	3970893	20196893.0	
3970980	SCREEN Holdings Co., Ltd.	06/07/2021	3970980	21183890.9	
3971384	STEC KAZIMIERZ Z.P.U.H. PROMYK	14/09/2021	3971384	21196480.4	
3971769	Universal Global Scientific Industrial Co., Ltd.	13/01/2021	3971769	21151322.1	
3972844	Bobst Bielefeld GmbH	07/05/2020	3972844	20723865.0	
3972939	Praxair Technology, Inc.	15/04/2020	3972939	20723737.1	
3972942	Pilkington Group Limited	20/05/2020	3972942	20729157.6	
3973682	Zhejiang Dahua Technology Co., Ltd.	19/12/2019	3973682	19937037.0	
3974037	Elevating Sports B.V.	23/09/2020	3974037	20197765.9	
3976274	UNILEVER GLOBAL IP LIMITED	22/05/2020	3976274	20726845.9	
3977060	Ashcroft, Inc.	20/05/2020	3977060	20814918.7	
3977068	Perceptive Sensor Technologies LLC	29/05/2020	3977068	20813097.1	
3977300	Microsoft Technology Licensing, LLC	21/04/2020	3977300	20723774.4	
3977822	Thermo Kevex X-Ray Inc.	22/05/2020	3977822	20815546.5	
3977929	TERUMO Kabushiki Kaisha	25/06/2020	3977929	20849815.4	
3977944	Covidien LP	30/09/2021	3977944	21200053.3	
3978186	Senju Metal Industry Co., Ltd.	21/05/2020	3978186	20813014.6	
3979610	Rockwell Collins, Inc.	30/09/2021	3979610	21200202.6	
3979688	ZTE Corporation	07/07/2020	3979688	20837315.9	
3979949	Edwards Lifesciences Corporation	08/06/2020	3979949	20750461.4	
3981324	DAIKIN INDUSTRIES, LTD.	08/06/2020	3981324	20818867.2	
3981749	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	11/10/2021	3981749	21201862.6	German
3982496	Federal-Mogul LLC	20/01/2017	3982496	21212445.7	
3983462	BASF SE	12/06/2020	3983462	20732214.0	
3983533	Children's Hospital Medical Center	15/06/2020	3983533	20822638.1	
3984337	R. Stahl Schaltgeräte GmbH	10/06/2020	3984337	20732560.6	German
3984511	H ROBOTICS INC.	02/11/2020	3984511	20887986.6	
3984512	H Robotics Inc.	02/11/2020	3984512	20888275.3	
3984513	H Robotics Inc.	02/11/2020	3984513	20888679.6	

3985434	Coretronic Corporation	08/10/2021	3985434	21201689.3	
3987309	Safran Electronics & Defense	12/06/2020	3987309	20731500.3	French
3987752	ORANGE	18/06/2020	3987752	20785775.6	French
3987776	BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD. ByteDance Inc.	27/07/2020	3987776	20847404.9	
3988003	Segos Co., Ltd.	21/06/2019	3988003	19934150.4	
3988509	Hellma GmbH & Co. KG	21/10/2021	3988509	21203920.0	German
3989506	Huawei Technologies Co., Ltd.	16/07/2020	3989506	20840704.9	
3990257	Thermwood Corporation	17/06/2020	3990257	20735829.2	
3990351	Airbus Operations GmbH	24/06/2020	3990351	20736934.9	
3990742	VKR Holding A/S	22/06/2020	3990742	20734504.2	
3990865	Platform Science, Inc.	25/06/2020	3990865	20831321.3	
3993391	Vivo Mobile Communication Co., Ltd.	15/04/2020	3993391	20833171.0	
3993482	Vivo Mobile Communication Co., Ltd.	09/06/2020	3993482	20833101.7	
3994413	Barreto Industrial Group, LLC	24/11/2020	3994413	20897283.6	
3994747	Umicore Umicore Korea Ltd.	02/07/2020	3994747	20735596.7	
3995185	Qwicklane IP-UG (haftungsbeschränkt)	08/11/2021	3995185	21206959.5	German
3995373	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	09/11/2020	3995373	20206560.3	
3995790	Krohne Messtechnik GmbH	02/11/2021	3995790	21205866.3	German
3996126	National Institute for Materials Science	29/06/2020	3996126	20834956.3	
3996605	Clearstream Technologies Limited	22/07/2019	3996605	19745079.4	
3996820	FOGTEC Brandschutz GmbH	04/09/2020	3996820	20768319.4	German
3997680	Attenti Electronic Monitoring LTD.	06/07/2020	3997680	20836358.0	
3998477	KLA-Tencor Corporation	04/11/2016	3998477	21216084.0	
3999281	3M Innovative Properties Company	30/06/2020	3999281	20737568.4	
3999821	Avago Technologies International Sales Pte. Limited	16/07/2020	3999821	20743632.0	
4000105	Nederlandse Organisatie voor toegepast- natuurwetenschappelijk onderzoek TNO	17/07/2020	4000105	20743378.0	
4000899	The Boeing Company	10/11/2021	4000899	21207370.4	
4000934	CANON KABUSHIKI KAISHA	05/11/2021	4000934	21206659.1	
4001147	Focke & Co. (GmbH & Co. KG)	18/11/2021	4001147	21208904.9	German
4001170	Micro-Sensys GmbH	16/11/2021	4001170	21208438.8	German
4001723	UNIONES ARPOL S.A.	11/11/2021	4001723	21383021.9	
4001771	ELBI International S.p.A.	03/11/2021	4001771	21206107.1	
4002045	VOLKSWAGEN AG	24/11/2020	4002045	20209655.8	
4002798	Wobben Properties GmbH	17/11/2020	4002798	20207960.4	German
4003198	GLW, Inc.	23/07/2020	4003198	20754503.9	
4003540	Hifi Black Limited	20/07/2020	4003540	20751205.4	
4003670	RPM Industries, LLC	29/07/2020	4003670	20846967.6	
4003739	Hewlett-Packard Development Company, L.P.	31/07/2019	4003739	19939404.0	
4003769	VALEO SYSTEMES THERMIQUES	16/06/2020	4003769	20742351.8	French
4004268	Versuni Holding B.V.	21/07/2020	4004268	20742262.7	
4004282	SchäferRolls GmbH & Co. KG	24/07/2020	4004282	20747369.5	German
4004491	Continental Automotive GmbH	18/06/2020	4004491	20733798.1	German
4004629	Microsoft Technology Licensing, LLC	08/06/2020	4004629	20750456.4	
4004770	Nissan North America, Inc. Renault s.a.s	13/05/2020	4004770	20848238.0	
4005184	Carrier Corporation	30/06/2020	4005184	20743339.2	
4005516	Biosense Webster (Israel) Ltd.	24/11/2021	4005516	21210100.0	
4005636	JFE Mineral Company, Ltd.	10/07/2020	4005636	20844574.2	
4005704	S.A.S 3DCeram-Sinto	23/11/2021	4005704	21209943.6	French
4005805	Canon Production Printing Holding B.V.	27/11/2020	4005805	20210408.9	
4006506	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	26/11/2020	4006506	20209980.0	German
4007902	GCP Applied Technologies Inc.	30/07/2020	4007902	20847825.5	
4009058	BSH Hausgeräte GmbH	04/11/2021	4009058	21206461.2	German
4009721	Vivo Mobile Communication Co., Ltd.	27/08/2020	4009721	20857911.0	

4010301	CRH Group Services Limited	14/08/2020	4010301	20753785.3	
4010559	Hunting Titan, Inc.	08/11/2019	4010559	19940878.2	
4010977	Festool GmbH	21/07/2020	4010977	20743690.8	German
4011162	QUALCOMM INCORPORATED	14/07/2020	4011162	20750107.3	
4011405	Tonnellerie de l'Entre-Deux-Mers (T.E.D.E.M)	16/11/2021	4011405	21208582.3	French
4011648	Continental Reifen Deutschland GmbH	04/11/2021	4011648	21206523.9	German
4012261	HWAM A/S	07/11/2012	4012261	22150605.8	
4012277	MITSUBISHI ELECTRIC CORPORATION	07/08/2019	4012277	19940671.1	
4012567	Google LLC	30/04/2021	4012567	21171631.1	
4012890	Nanjing Chervon Industry Co., Ltd.	28/05/2021	4012890	21817083.5	
4013128	ZTE Corporation	21/08/2020	4013128	20865993.8	
4013379	Unilever Global IP Limited	22/07/2020	4013379	20740657.0	
4013755	Novartis AG	12/08/2020	4013755	20757967.3	
4014048	Otto, Markus Öckl, Patrick Christian Halbgebauer, Steffen	12/08/2020	4014048	20751577.6	
4014153	L'OREAL	12/08/2020	4014153	20775911.9	French
4014301	Sew-Eurodrive GmbH & Co. KG	30/07/2020	4014301	20751471.2	German
4014326	Samsung Electronics Co., Ltd.	16/10/2020	4014326	20877650.0	
4014370	QUALCOMM Incorporated	13/08/2020	4014370	20761704.4	
4015898	Slamp S.p.A.	10/12/2021	4015898	21213702.0	
4016140	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	18/12/2020	4016140	20000477.8	
4016170	Samsung Electronics Co., Ltd.	25/11/2021	4016170	21210533.2	
4016907	Huawei Technologies Co., Ltd.	14/08/2020	4016907	20855096.2	
4017325	Yo-Kai Express Inc.	19/08/2020	4017325	20855072.3	
4018093	Putzmeister Engineering GmbH	20/08/2020	4018093	20761183.1	German
4018165	Berkin B.V.	12/08/2020	4018165	20758355.0	
4018602	Institut Mines Telecom	31/07/2020	4018602	20747421.4	French
4019599	Ehime Prefecture Daio Paper Corporation	25/09/2020	4019599	20870322.3	
4020230	INTEL Corporation	20/09/2021	4020230	21197700.4	
4021073	LG Electronics Inc.	08/09/2020	4021073	20864188.6	
4021257	Caffitaly System S.P.A.	19/05/2021	4021257	21731837.7	
4021278	Commissariat à l'Energie Atomique et aux Energies Alternatives	13/08/2020	4021278	20753383.7	French
4022009	Merck Patent GmbH	26/08/2020	4022009	20758243.8	
4022049	Société des Produits Nestlé S.A.	28/08/2020	4022049	20856518.4	
4022432	Microsoft Technology Licensing, LLC	15/06/2020	4022432	20735777.3	
4022448	Microsoft Technology Licensing, LLC	15/06/2020	4022448	20736514.9	
4023255	VOLKSWAGEN AG	29/11/2021	4023255	21210938.3	
4023809	Samsung Electronics Co., Ltd.	25/10/2021	4023809	21806942.5	
4025031	Fuji Corporation	30/08/2019	4025031	19943415.0	
4025629	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	17/07/2020	4025629	20742728.7	German
4026394	Samsung Electronics Co., Ltd.	25/01/2021	4026394	21754023.6	
4026643	Panasonic Intellectual Property Management Co., Ltd.	28/08/2020	4026643	20861857.9	
4026687	BRIDGESTONE CORPORATION	01/09/2020	4026687	20861313.3	
4027214	Lenovo (Singapore) Pte. Ltd.	14/12/2021	4027214	21214574.2	
4027841	Zhejiang Shaoxing Supor Domestic Electrical Appliance Co., Ltd.	20/04/2020	4027841	20862394.2	
4028889	KLEPSYDRA TECHNOLOGIES GMBH	11/09/2020	4028889	20775222.1	
4029170	Google LLC	19/10/2020	4029170	20828868.8	
4029291	Telefonaktiebolaget LM Ericsson (publ.)	09/09/2019	4029291	19944712.9	
4030647	Mellanox Technologies, Ltd.	13/01/2022	4030647	22151451.6	
4030926	Protix B.V.	16/09/2020	4030926	20775083.7	
4031393	Vitesco Technologies GmbH	04/09/2020	4031393	20767799.8	German
4031409	Monahan Products, LLC	15/09/2020	4031409	20780873.4	
4032106	RI Research Instruments GmbH	15/09/2020	4032106	20780911.2	German

4032336	Nokia Technologies Oy	24/08/2020	4032336	20761561.8	
4032381	Kubota Corporation	25/01/2021	4032381	21305090.9	
4032496	Mediflex Surgical Products, LLC	19/01/2022	4032496	22152150.3	
4032559	Prosidyan, Inc.	14/03/2014	4032559	21218365.1	
4033654	Guangdong Midea White Home Appliance Technology Innovation Center Co., Ltd. Midea Group Co., Ltd.	13/11/2019	4033654	19952779.7	
4034445	KWD Kupplungswerk Dresden GmbH	24/09/2020	4034445	20780652.2	German
4034745	Interwell P&A AS	21/09/2020	4034745	20781315.5	
4034757	Rolls-Royce plc	03/09/2020	4034757	20771998.0	
4034807	Zumtobel Lighting GmbH	20/07/2020	4034807	20745124.6	German
4034934	Microsoft Technology Licensing, LLC	17/06/2020	4034934	20735808.6	
4035620	Kawasaki Jukogyo Kabushiki Kaisha	27/01/2022	4035620	22153651.9	
4035731	Neuboron Therapy System Ltd.	24/09/2020	4035731	20867547.0	
4035824	BROTHER KOGYO KABUSHIKI KAISHA	06/02/2020	4035824	20867168.5	
4036319	Hitachi Construction Machinery Co., Ltd.	03/08/2020	4036319	20869777.1	
4036431	Hitachi Astemo, Ltd.	24/09/2020	4036431	20868507.3	
4036560	Daifuku Co., Ltd.	25/01/2022	4036560	22153189.0	
4036919	Sartorius Stedim Data Analytics AB	27/01/2021	4036919	21153693.3	
4037300	LG Innotek Co., Ltd.	21/09/2020	4037300	20868409.2	
4037475	DeLaval Holding AB	29/09/2020	4037475	20790084.6	
4037797	Energy Innovation Systems Limited	02/10/2020	4037797	20789884.2	
4037925	Rational Production S.r.l.	11/09/2020	4037925	20771922.0	
4038117	Nova Chemicals (International) S.A.	28/09/2020	4038117	20790056.4	
4038839	Huawei Technologies Co., Ltd.	09/11/2020	4038839	20885059.4	
4039060	QUALCOMM INCORPORATED	02/10/2020	4039060	20793926.5	
4039401	FUJIKURA LTD.	24/09/2020	4039401	20872318.9	
4039785	Suntory Holdings Limited	09/09/2020	4039785	20872469.0	
4039935	profine GmbH	01/02/2022	4039935	22154407.5	German
4040747	Huawei Technologies Co., Ltd.	09/11/2020	4040747	20885881.1	
4040890	Huawei Technologies Co. Ltd.	08/11/2019	4040890	19951969.5	
4041159	Oxford Healthtech Ltd.	08/10/2020	4041159	20793074.4	
4042710	Microsoft Technology Licensing, LLC	27/08/2020	4042710	20768454.9	
4042921	Fort Plastic & Metalwork (jixing) Co., Ltd	22/10/2020	4042921	20879541.9	
4042949	Jiangsu Tech-Bio-Med Medical Equipment Co., Ltd.	21/01/2021	4042949	21841916.6	
4043699	Accenture Global Solutions Limited	12/02/2021	4043699	21382112.7	
4044149	Sony Group Corporation	05/10/2020	4044149	20874810.3	
4044165	Samsung Display Co., Ltd.	10/05/2013	4044165	22165687.9	
4044318	LG Energy Solution, Ltd.	20/11/2020	4044318	20889412.1	
4044512	Huawei Technologies Co., Ltd.	04/11/2020	4044512	20883782.3	
4044865	Patel, Sanjay Grimaldi, Rachel	08/09/2020	4044865	20775051.4	
4044874	De Poortere Deco SA	16/10/2020	4044874	20792653.6	French
4045990	Wing Aviation LLC	11/09/2020	4045990	20780850.2	
4046282	Nokia Technologies Oy	21/09/2020	4046282	20875981.1	
4046844	The Boeing Company	14/02/2022	4046844	22156645.8	
4047379	Inoveos Commissariat à l'Energie Atomique et aux Energies Alternatives	17/02/2022	4047379	22157173.0	French
4047606	NXP USA, Inc.	18/01/2022	4047606	22152041.4	
4048169	Sharma, Virender K.	23/10/2020	4048169	20879274.7	
4048623	LHD S.p.A.	28/09/2020	4048623	20797208.4	
4048749	CMC Materials LLC	22/10/2020	4048749	20879255.6	
4049079	Leica Microsystems CMS GmbH	22/10/2020	4049079	20807289.2	German
4049129	Beckhoff Automation GmbH	23/11/2020	4049129	20811619.4	German
4049182	Advanced Track & Trace	30/11/2020	4049182	20821135.9	French
4049434	Cisco Technology, Inc.	12/10/2020	4049434	20797965.9	
4049625	Edwards Lifesciences Corporation	07/12/2012	4049625	22167523.4	
4049638	Ethicon LLC	24/09/2015	4049638	22162039.6	
4049824	Samsung Electronics Co., Ltd.	13/11/2020	4049824	20898438.5	

4050428	Kabushiki Kaisha Yaskawa Denki	10/02/2022	4050428	22156032.9	
4050929	Huawei Technologies Co., Ltd.	11/11/2020	4050929	20888467.6	
4051708	MedImmune Limited	27/10/2020	4051708	20797753.9	
4051864	Balmoral Comtec Limited	22/01/2021	4051864	21702702.8	
4052648	Nippon Telegraph And Telephone Corporation	16/11/2012	4052648	22169318.7	
4052913	KONICA MINOLTA, INC.	30/10/2019	4052913	19950822.7	
4052960	BRITAX RÖMER Kindersicherheit GmbH	22/02/2022	4052960	22157984.0	
4053136	Zhejiang Huaxian Photoelectricity Technology Co., Ltd Zhejiang University of Technology	10/06/2021	4053136	21822618.1	
4053409	FICO CABLES LDA	04/03/2021	4053409	21160763.5	
4053660	Hitachi, Ltd.	05/03/2021	4053660	21160932.6	
4053740	DeepMind Technologies Limited	11/07/2018	4053740	22169342.7	
4054024	Aptiv Technologies AG	02/03/2022	4054024	22159791.7	
4054126	Huawei Technologies Co. Ltd.	11/08/2020	4054126	20896998.0	
4054129	Huawei Technologies Co., Ltd.	27/11/2020	4054129	20892879.6	
4054265	Vivo Mobile Communication Co., Ltd.	30/10/2020	4054265	20881720.5	
4054270	Samsung Electronics Co., Ltd.	30/04/2019	4054270	22167765.1	
4054872	Efesto S.a.r.l.	05/11/2020	4054872	20819863.0	
4055281	Bümach Engineering International B.V.	06/11/2020	4055281	20824438.4	German
4055485	Idemia Identity & Security France	27/10/2020	4055485	20807829.5	French
4055927	Sharp Kabushiki Kaisha	08/01/2021	4055927	21738396.7	
4056129	Covidien LP	25/02/2022	4056129	22158951.8	
4056746	Miele & Cie. KG	28/02/2022	4056746	22159235.5	German
4056791	Merit Technologies (Fu Jian) Co., Ltd.	30/11/2020	4056791	20896517.8	
4057078	Patek Philippe SA Genève	14/05/2020	4057078	22171673.1	French
4057137	Huawei Technologies Co., Ltd.	20/11/2020	4057137	20898653.9	
4057156	Google LLC	24/06/2015	4057156	22171941.2	
4059160	Oledcomm	03/11/2020	4059160	20819808.5	French
4059840	SoftBank Corp.	20/08/2020	4059840	20886858.8	
4059952	CJ CheilJedang Corporation	01/04/2021	4059952	21870492.2	
4060302	MINEBEA MITSUMI Inc.	14/03/2022	4060302	22161972.9	
4060840	HAGER CONTROLS	17/03/2022	4060840	22162758.1	French
4060893	The Boeing Company	04/03/2022	4060893	22160209.7	
4061457	Norton (Waterford) Limited	15/06/2021	4061457	21735586.6	
4061896	3M Innovative Properties Company	17/11/2020	4061896	20815941.8	
4061897	3M Innovative Properties Company	19/11/2020	4061897	20816616.5	
4062135	ArcelorMittal	21/11/2019	4062135	19813144.3	
4062279	VOLKSWAGEN AKTIENGESELLSCHAFT	26/10/2020	4062279	20801172.6	German
4062837	The Yoshida Dental Mfg. Co., Ltd.	28/10/2020	4062837	20890466.4	
4063602	Roto Frank Fenster- und Türtechnologie GmbH	15/03/2022	4063602	22162207.9	German
4064180	Beijing Xiaomi Mobile Software Co., Ltd.	02/09/2021	4064180	21194502.7	
4064243	TOYOTA JIDOSHA KABUSHIKI KAISHA Continental Automotive GmbH	23/03/2022	4064243	22163751.5	
4064269	YAMAHA CORPORATION	18/03/2022	4064269	22162935.5	
4065826	Vitesco Technologies GmbH	17/11/2020	4065826	20808357.6	German
4065830	Scania CV AB	23/11/2020	4065830	20891939.9	
4066047	Lumus Ltd.	10/11/2020	4066047	20894867.9	
4066233	Pricer AB	24/11/2020	4066233	20815750.3	
4066453	Commissariat à l'Energie Atomique et aux Energies Alternatives	26/11/2020	4066453	20812029.5	French
4066644	Carela GmbH	18/03/2022	4066644	22162893.6	German
4066808	Xenaki, Georg	15/02/2022	4066808	22156824.9	German
4067169	Thule Sweden AB	04/04/2022	4067169	22166590.4	
4067216	TVS Motor Company Limited	15/03/2022	4067216	22162023.0	
4067259	Fameccanica.Data S.p.A.	30/03/2021	4067259	21165789.5	
4067457	Beijing Xiaomi Mobile Software Co., Ltd.	29/09/2021	4067457	21199938.8	
4067563	Herbert Kannegiesser GmbH	24/02/2022	4067563	22158499.8	German

4067626	Garrett Transportation I Inc.	16/02/2022	4067626	22156938.7	
4067655	Panasonic Corporation	25/11/2020	4067655	20892135.3	
4067668	Garrett Transportation I Inc.	16/02/2022	4067668	22156946.0	
4067965	PreciPoint GmbH	31/03/2021	4067965	21166379.4	
4068091	Red Hat, Inc.	04/06/2021	4068091	21177863.4	
4068330	Siemens Aktiengesellschaft	31/03/2021	4068330	21166260.6	German
4068697	Juniper Networks, Inc.	22/06/2021	4068697	21180926.4	
4068732	NXP USA, Inc.	15/03/2022	4068732	22162054.5	
4069094	Cilag GmbH International	22/11/2021	4069094	21816173.5	
4069460	Procada AB	03/12/2020	4069460	20820096.4	
4069559	ZF CV Systems Global GmbH	01/12/2020	4069559	20817276.7	German
4069597	Stora Enso Oyj	26/11/2020	4069597	20895703.5	
4069602	Dr. Schär S.P.A.	01/12/2020	4069602	20829686.3	
4071020	TOYOTA JIDOSHA KABUSHIKI KAISHA	25/03/2022	4071020	22164463.6	
4071022	Rivian IP Holdings, LLC	30/11/2021	4071022	21211427.6	
4071145	Lu, Liang	30/12/2020	4071145	20909530.6	
4071526	Alps Alpine Co., Ltd.	18/03/2022	4071526	22162944.7	
4071571	mitsubishi heavy industries ENGINE & TURBOCHARGER, LTD.	29/05/2020	4071571	20915458.2	
4072614	Gambro Lundia AB	18/09/2020	4072614	20772066.5	
4072773	Fives Landis Limited	08/12/2020	4072773	20825221.3	
4073608	RoMb Technologies d.o.o.	15/12/2019	4073608	19828647.8	
4075164	Aptiv Technologies AG	15/04/2021	4075164	21168600.1	
4075527	Kyocera Corporation	04/12/2020	4075527	20900562.8	
4075734	ZTE Corporation	15/12/2020	4075734	20901752.4	
4076775	IFE Aufbereitungstechnik GmbH	17/12/2020	4076775	20833723.8	German
4077909	Gudesen, Hans Gude	14/12/2020	4077909	20902183.1	
4078638	Becker Mining Systems AG	11/11/2020	4078638	20806954.2	German
4079834	Imec VZW	23/04/2021	4079834	21170128.9	
4080850	Juniper Networks, Inc.	08/03/2022	4080850	22160643.7	
4081871	Hydac Mobilhydraulik GmbH	14/04/2021	4081871	21719115.4	German
4083730	Suardi, Aldo Primo	05/04/2022	4083730	22166680.3	
4084117	Panasonic Intellectual Property Management Co., Ltd.	29/10/2020	4084117	20906062.3	
4084465	CANON KABUSHIKI KAISHA	20/04/2022	4084465	22168950.8	
4086198	LONLINK SMART STORAGE SOLUTION (SHANGHAI) CO., LTD.	15/09/2021	4086198	21868637.6	
4086442	Kleesattel, Michael Rapp, Michael BGG Deutschland GmbH	03/05/2022	4086442	22171276.3	German
4086453	Doosan Enerbility Co., Ltd.	14/04/2022	4086453	22168392.3	
4088042	Schaeffler Technologies AG & Co. KG	16/11/2020	4088042	20816892.2	German
4088173	Microsoft Technology Licensing, LLC	23/11/2020	4088173	20828181.6	
4089228	Herbert Kannegiesser GmbH	03/05/2022	4089228	22171270.6	German
4089269	Garrett Transportation I Inc.	13/04/2022	4089269	22168112.5	
4089626	Samsung Electronics Co., Ltd.	04/05/2022	4089626	22171535.2	
4090242	WIZP AS	18/01/2021	4090242	21701265.7	
4092431	Airbus (S.A.S.)	20/05/2021	4092431	21175096.3	German
4092645	Siemens Schweiz AG	28/02/2022	4092645	22159123.3	German
4092747	LG ELECTRONICS INC.	21/01/2020	4092747	20914448.4	
4093013	Vivo Mobile Communication Co., Ltd.	12/03/2021	4093013	21771451.8	
4094191	Bundesdruckerei GmbH	19/01/2021	4094191	21700934.9	German
4094463	Bundesdruckerei GmbH	19/01/2021	4094463	21700941.4	German
4094468	Cisco Technology, Inc.	22/01/2021	4094468	21707128.1	
4094892	Grip Holdings LLC	30/07/2019	4094892	22179713.7	
4094952	HID Global CID SAS	27/05/2021	4094952	21315092.3	
4094969	MAZDA MOTOR CORPORATION	13/05/2022	4094969	22173167.2	
4095861	NXP USA, Inc.	24/05/2022	4095861	22175059.9	
4096207	Vivo Mobile Communication Co., Ltd.	20/01/2021	4096207	21744020.5	
4096986	IPax	21/01/2021	4096986	21706347.8	French
4097460	University of The West of England, Bristol	27/01/2021	4097460	21702260.7	

4098916	HS R & A Co., Ltd.	17/12/2021	4098916	21215445.4	
4098920	Viega Technology GmbH & Co. KG	24/05/2022	4098920	22175061.5	German
4099429	Panasonic Energy Co., Ltd.	22/01/2021	4099429	21746969.1	
4099717	Devialet	31/05/2022	4099717	22176354.3	French
4099864	High-Low Heel, LLC	08/02/2021	4099864	21750417.4	
4100843	Tencent America LLC	12/10/2021	4100843	21928337.1	
4101034	TE Connectivity Solutions GmbH	08/02/2021	4101034	21705267.9	
4101702	Faurecia Intérieur Industrie	08/06/2022	4101702	22177942.4	French
4102195	VEGA Grieshaber KG	10/06/2021	4102195	21178836.9	German
4102957	Intelligent Growth Solutions Limited	09/02/2021	4102957	21706661.2	
4103635	Sanitized AG	11/02/2021	4103635	21704546.7	
4104558	ZTE Corporation	14/02/2020	4104558	20891181.8	
4105442	RTX Corporation	17/06/2022	4105442	22179757.4	
4105562	LG Electronics Inc.	15/06/2022	4105562	22179182.5	
4105636	Becker, Franz Ferdinand Hinkel, Ulrich Paul	09/06/2022	4105636	22178003.4	German
4106034	Novaléd GmbH	18/06/2021	4106034	21180258.2	
4107095	ContiTech Deutschland GmbH	20/01/2021	4107095	21703826.4	German
4107771	Plansee SE	28/01/2021	4107771	21706474.0	German
4108492	Hitachi Construction Machinery Co., Ltd.	19/02/2020	4108492	20920248.0	
4108893	Garrett Transportation I Inc.	13/05/2022	4108893	22173190.4	
4108898	Kawasaki Jukogyo Kabushiki Kaisha	18/02/2021	4108898	21757349.2	
4108927	WILO SE	25/05/2022	4108927	22175458.3	German
4109121	Bruker BioSpin GmbH	22/06/2022	4109121	22180431.3	German
4109256	INTEL Corporation	09/03/2022	4109256	22161033.0	
4110096	Philip Morris Products S.A.	24/02/2021	4110096	21706317.1	
4110889	Chemetall GmbH	25/02/2021	4110889	21706961.6	
4110891	Unilever Global IP Limited	12/02/2021	4110891	21704796.8	
4111074	Schaeffler Technologies AG & Co. KG	15/01/2021	4111074	21701654.2	German
4111593	QUALCOMM INCORPORATED	22/02/2021	4111593	21713183.8	
4112448	Rohr, Inc.	30/06/2022	4112448	22182402.2	
4112946	CNH Industrial Italia S.p.A.	21/06/2022	4112946	22180245.7	
4114137	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	24/02/2020	4114137	20922133.2	
4114573	Metso Metals Oy	06/03/2020	4114573	20922636.4	
4114836	Theravance Biopharma R&D IP, LLC	01/03/2021	4114836	21713868.4	
4115844	DENTSPLY SIRONA Inc. Sirona Dental Systems GmbH	05/07/2021	4115844	21183818.0	German
4115944	Boston Scientific Neuromodulation Corporation	20/05/2019	4115944	22180918.9	
4115996	Satake Corporation	26/02/2021	4115996	21764792.4	
4116297	SFC Co., Ltd.	10/06/2015	4116297	22168494.7	
4116534	GEZE GmbH	23/05/2022	4116534	22174749.6	German
4116791	Grundfos Holding A/S	09/07/2021	4116791	21184830.4	
4117925	Hewlett-Packard Development Company, L.P.	11/03/2020	4117925	20924385.6	
4118023	INVENTIO AG	02/03/2021	4118023	21707750.2	German
4118361	Sew-Eurodrive GmbH & Co. KG	25/02/2021	4118361	21708213.0	German
4119040	Universidad Carlos III de Madrid	16/03/2021	4119040	21767619.6	
4119280	AMADA CO., LTD. Amada Weld Tech Co., Ltd.	25/02/2021	4119280	21768923.1	
4119527	Saint-Gobain Weber France	15/07/2021	4119527	21185863.4	
4119759	aluplast GmbH	14/07/2021	4119759	21185609.1	German
4120552	NTN Corporation	16/02/2021	4120552	21766838.3	
4120851	COMAS - COSTRUZIONI MACCHINE SPECIALI - S.p.A.	11/03/2021	4120851	21717215.4	
4121333	Voith Patent GmbH	22/01/2021	4121333	21702406.6	German
4122818	Goodrich Actuation Systems SAS	19/07/2021	4122818	21290049.2	
4123055	Hitachi, Ltd.	02/03/2022	4123055	22159737.0	
4123165	Siemens Gamesa Renewable Energy A/S	19/07/2021	4123165	21186313.9	
4123343	Advanced Geophysical Technology Inc. Repsol, S.A.	23/07/2021	4123343	21382674.6	

4124166	Samsung Electronics Co., Ltd.	12/03/2021	4124166	21770807.2	
4124605	Institute of Metal Science, Equipment and Technologies with Hydro- and Aerodynamics Centre "Acad. A. Balevski" at the BAS	27/07/2021	4124605	21187841.8	
4124811	Bertoldi, Elói	28/07/2021	4124811	21188216.2	
4125645	Cilag GmbH International Ethicon LLC	30/04/2021	4125645	21723213.1	
4126408	SMS group GmbH	15/03/2021	4126408	21712763.8	German
4126741	J.D. Theile GmbH & Co. KG	12/05/2021	4126741	21726621.2	German
4126754	Menlo Microsystems, Inc.	26/03/2021	4126754	21720603.6	
4126988	PPG Industries Ohio Inc.	25/03/2021	4126988	21719788.8	
4127744	BAUR GmbH	29/03/2021	4127744	21716648.7	German
4127749	SAFT	11/03/2021	4127749	21710487.6	French
4127786	BNL EuroLens	02/04/2021	4127786	21716417.7	French
4127836	BROTHER KOGYO KABUSHIKI KAISHA	26/03/2021	4127836	21781857.4	
4127888	Snap Inc.	29/03/2021	4127888	21780293.3	
4128217	Google LLC	05/11/2021	4128217	21816268.3	
4128383	Universidade Do Algarve Consejo Superior de Investigaciones Científicas (CSIC) Universitat de Girona Instituto de Telecomunicações	09/03/2021	4128383	21709995.1	
4129034	KUBOTA CORPORATION	25/03/2021	4129034	21779728.1	
4130384	Sumitomo Construction Machinery Co., Ltd.	18/03/2021	4130384	21776333.3	
4130447	Vitesco Technologies GmbH	03/08/2021	4130447	21189521.4	
4131322	Hamamatsu Photonics K.K.	28/01/2021	4131322	21787645.7	
4132365	Universität zu Lübeck	18/03/2021	4132365	21714815.4	German
4132618	ResMed Asia Pte. Ltd.	07/04/2020	4132618	20930146.4	
4134233	Mitsubishi Chemical Corporation	06/04/2021	4134233	21784251.7	
4134678	HITACHI HIGH-TECH CORPORATION	26/02/2021	4134678	21785093.2	
4135337	ZTE Corporation	08/05/2021	4135337	21816661.9	
4135840	UNIWERSYTET JAGIELLONSKI Warszawski Uniwersytet Medyczny	16/04/2021	4135840	21732998.6	
4137744	Hasco Vision Technology Co., Ltd.	13/01/2021	4137744	21832556.1	
4138546	DeLaval Holding AB	20/04/2021	4138546	21722001.1	
4140119	Visa International Service Association	21/04/2021	4140119	21792774.8	
4140730	LeapHigh Animals LLC	05/04/2022	4140730	22166793.4	
4141624	Vivo Mobile Communication Co., Ltd.	23/04/2021	4141624	21792838.1	
4142629	DePuy Synthes Products, Inc.	23/04/2021	4142629	21722563.0	
4142956	Festool GmbH	11/02/2021	4142956	21704780.2	German
4143613	CooperVision International Limited	26/04/2021	4143613	21724015.9	
4144792	Sumitomo Seika Chemicals Co., Ltd.	23/04/2021	4144792	21797903.8	
4146507	JENOPTIK Automatisierungstechnik GmbH	06/05/2021	4146507	21726549.5	German
4146906	Saudi Arabian Oil Company Wireless Instrumentation Systems AS	03/05/2021	4146906	21727691.4	
4147951	Yamaha Hatsudoki Kabushiki Kaisha	28/04/2022	4147951	22170601.3	
4148405	Ametek Denmark A/s	08/09/2021	4148405	21195483.9	
4149375	Covidien LP	03/05/2021	4149375	21727693.0	
4151022	QUALCOMM Incorporated	26/02/2021	4151022	21713813.0	
4151927	Panasonic Intellectual Property Management Co., Ltd.	22/04/2021	4151927	21805149.8	
4152918	DeLaval Holding AB	17/05/2021	4152918	21728332.4	
4154019	Silicon Microgravity Limited	18/05/2021	4154019	21727529.6	
4155562	Samsung Electronics Co., Ltd.	20/07/2021	4155562	21847420.3	
4155572	Goodrich Corporation	24/09/2021	4155572	21461603.9	
4155620	Pittway Sarl	23/09/2021	4155620	21198629.4	
4155779	CASCO SIGNAL LTD.	23/09/2021	4155779	21908686.5	
4156981	Philip Morris Products S.A.	25/05/2021	4156981	21728528.7	



4157729	ATS-Tanner Banding Systems AG	20/05/2021	4157729	21728040.3	German
4157786	General Beverage S.r.l.	31/05/2021	4157786	21734218.7	
4157799	D. Swarovski KG	28/05/2021	4157799	21733380.6	
4158305	Agilent Technologies, Inc.	26/05/2021	4158305	21728887.7	
4158618	Raytheon Company	16/04/2021	4158618	21798474.9	
4159005	Signify Holding B.V.	26/05/2021	4159005	21726945.5	
4159581	CASCO SIGNAL LTD.	22/09/2021	4159581	21929856.9	
4159818	artience Co., Ltd. TOYOCOLOR CO., LTD.	22/03/2021	4159818	21814440.0	
4160021	Gree Electric Appliances, Inc. of Zhuhai	02/08/2021	4160021	21913086.1	
4160051	Jing-Jin Electric Technologies Co., Ltd.	14/08/2020	4160051	20947301.6	
4160102	Qingdao Haier Air-Conditioning Electronic Co., Ltd Haier Smart Home Co., Ltd.	08/02/2021	4160102	21800140.2	
4161910	Yeditepe Universitesi	02/06/2020	4161910	20939077.2	
4163528	AIS RDI, S.L.U.	07/04/2022	4163528	22167238.9	
4163648	Honor Device Co., Ltd.	29/10/2021	4163648	21927579.9	
4165336	Watlow Electric Manufacturing Company	14/06/2021	4165336	21739496.4	
4165633	Dolby Laboratories Licensing Corporation Dolby International AB	11/06/2021	4165633	21735560.1	
4165634	Dolby Laboratories Licensing Corporation	11/06/2021	4165634	21735829.0	
4166506	Lg Chem, Ltd.	18/08/2021	4166506	21858578.4	
4167870	Smith & Nephew, Inc. Smith & Nephew Orthopaedics AG Smith & Nephew Asia Pacific Pte. Limited	21/06/2021	4167870	21740404.5	
4169362	Fravizel - Equipamentos Metalomecânicos SA	19/06/2020	4169362	20761648.3	
4169388	Hiperbaric, S.A.U.	18/06/2020	4169388	20941311.1	
4171204	DeLaval Holding AB	14/06/2021	4171204	21734960.4	
4171460	The Procter & Gamble Company	25/06/2021	4171460	21743013.1	
4173598	Technische Hochschule Mittelhessen, Körperschaft des öffentlichen Rechts Justus-Liebig-Universität Gießen, Körperschaft des öffentlichen Rechts	26/10/2021	4173598	21204837.5	German
4174334	Foundation of Soongsil Universityindustry Industry Cooperation	16/04/2021	4174334	21829842.0	
4177126	Volvo Car Corporation	08/11/2021	4177126	21206948.8	
4177786	NXP USA, Inc.	08/11/2021	4177786	21306564.2	
4178104	PREFA Aluminiumprodukte GmbH	04/11/2021	4178104	21020549.8	German
4180332	Airbus Defence and Space GmbH	11/11/2021	4180332	21207682.2	
4180338	Airbus Operations GmbH	16/11/2021	4180338	21208470.1	
4180392	DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD.	02/07/2021	4180392	21838409.7	
4180757	MITSUBISHI ELECTRIC CORPORATION	13/07/2020	4180757	20945570.8	
4181305	LG Energy Solution, Ltd.	31/08/2021	4181305	21864611.5	
4181387	Siemens Schweiz AG	15/11/2021	4181387	21208266.3	
4181524	Dukosi Limited	11/11/2021	4181524	21207824.0	
4181785	Becton, Dickinson and Company	07/07/2021	4181785	21751677.2	
4183834	Rezemo GmbH	19/11/2021	4183834	21209353.8	German
4184019	Knapp GmbH	19/11/2021	4184019	21209269.6	German
4185342	Ethicon, Inc.	19/07/2021	4185342	21745437.0	
4185386	Genentech, Inc.	23/07/2021	4185386	21755273.6	
4185456	Acergy France SAS	24/07/2021	4185456	21769178.1	
4186558	Fundación Tecnalia Research & Innovation	25/11/2021	4186558	21383068.0	
4186783	Airbus Operations, S.L.U.	24/11/2021	4186783	21383061.5	
4186951	BASF Coatings GmbH VOLKSWAGEN AG AUDI AG	30/11/2021	4186951	21211298.1	German
4187140	APUS Zero Emission GmbH	26/11/2021	4187140	21210641.3	
4187669	Contemporary Amperex Technology (Hong Kong) Limited	27/09/2021	4187669	21925088.3	

4188844	G.D S.p.A.	26/07/2021	4188844	21755822.0	
4188995	Plastika Kritis S.A.	27/07/2021	4188995	21752141.8	
4189381	Vallourec Tubes France	29/07/2021	4189381	21799078.7	French
4189388	Sabancı Üniversitesi Nanoteknoloji Arastirma ve Uygulama Merkezi Sunum Progin Bilisim Mühendislik ve Danismanlik Hizmetleri Ltd. Sti. Sabancı Üniversitesi	29/07/2020	4189388	20788914.8	
4189865	Telefonaktiebolaget LM Ericsson (publ)	25/06/2021	4189865	21735310.1	
4190645	NIPPON STEEL CORPORATION	28/07/2021	4190645	21848784.1	
4190793	Lg Chem, Ltd.	30/07/2021	4190793	21848601.7	
4191128	Hasco Vision Technology Co., Ltd.	31/08/2021	4191128	21874165.0	
4191515	Essilor International	02/12/2021	4191515	21306689.7	
4191636	Denka Company Limited	05/08/2021	4191636	21858189.0	
4192234	INTERPULS S.P.A.	20/05/2021	4192234	21728857.0	
4192246	Université Libre de Bruxelles	04/08/2021	4192246	21746308.2	
4194272	Hyundai Mobis Co., Ltd.	22/03/2022	4194272	22163598.0	
4194764	Daikin Industries, Ltd.	03/08/2021	4194764	21854528.3	
4195973	Chrysos S.p.A.	09/08/2021	4195973	21763153.0	
4197420	JVCKenwood Corporation	17/06/2021	4197420	21868969.3	
4198567	TOYOTA JIDOSHA KABUSHIKI KAISHA ETH Zurich - The Swiss Federal Institute of Technology Zurich	20/12/2021	4198567	21216059.2	
4199814	Koninklijke Philips N.V.	10/08/2021	4199814	21762400.6	
4201614	Quzhou Taiwei Precise Machinery Co., Ltd.	14/12/2021	4201614	21942800.0	
4201932	FUJIFILM Corporation	16/08/2021	4201932	21858266.6	
4202128	KOBELCO CONSTRUCTION MACHINERY CO., LTD.	13/09/2021	4202128	21875154.3	
4202746	JVCKenwood Corporation	22/09/2021	4202746	21872501.8	
4204206	The Cooper Group, LLC Cooper, Brian M.	31/08/2021	4204206	21862967.3	
4205903	Hunan Brunp EV Recycling Co., Ltd. Guangdong Brunp Recycling Technology Co., Ltd. Hunan Brunp Recycling Technology Co., Ltd.	12/05/2021	4205903	21893306.7	
4205942	Huawei Technologies Co. Ltd.	16/09/2020	4205942	20953578.0	
4205972	TOPPAN INC.	11/11/2020	4205972	20951602.0	
4206498	TPR CO., LTD.	30/07/2021	4206498	21951933.7	
4208615	Fortier, Stephane	27/08/2021	4208615	21799309.6	French
4209374	BYD Company Limited	22/04/2021	4209374	21797131.6	
4209919	ZTE Corporation	24/08/2021	4209919	21863542.3	
4211397	Kanadevia Inova AG	09/09/2021	4211397	21777426.4	German
4211431	Wormsensing Commissariat à l'Energie Atomique et aux Energies Alternatives	13/09/2021	4211431	21785938.8	French
4213317	NKT Photonics A/S	18/01/2022	4213317	22152115.6	
4213608	BASF SE	17/09/2021	4213608	21778434.7	
4215729	Mitsubishi Heavy Industries Marine Machinery & Equipment Co., Ltd.	19/10/2021	4215729	21882801.0	
4217109	Lyondell Chemical Technology, L.P.	21/09/2021	4217109	21791167.6	
4217939	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) Ecole Normale Supérieure de Lyon Université Claude Bernard Lyon 1	24/09/2021	4217939	21798065.5	French
4220009	Haohong Electric Technology (Hubei) Co., Ltd.	29/03/2022	4220009	22164930.4	
4220862	Samsung Electronics Co., Ltd.	21/10/2021	4220862	21883274.9	
4221911	Skoda Auto A.S.	08/09/2021	4221911	21799168.6	German
4221912	Broetje-Automation GmbH	24/11/2021	4221912	21820152.3	German
4222304	TexTrace AG	29/09/2020	4222304	20785711.1	

4225250	Mazor Robotics Ltd.	26/08/2021	4225250	21794015.4	
4227069	Suzhou Meaman Machines Co., Ltd.	12/10/2020	4227069	20956945.8	
4227077	Coexpair	14/02/2022	4227077	22156544.3	French
4227328	Denka Company Limited	17/09/2021	4227328	21891495.0	
4228676	OAK HILL BIO LIMITED	19/10/2021	4228676	21807381.5	
4228726	Ambu A/S	04/10/2021	4228726	21786483.4	
4229524	Oracle International Corporation	06/10/2021	4229524	21802479.2	
4231160	Huawei Technologies Co. Ltd.	12/11/2021	4231160	21891213.7	
4231607	Huawei Technologies Co. Ltd.	08/11/2021	4231607	21891071.9	
4232262	BMF Material Technology Inc.	21/10/2021	4232262	21799341.9	
4232289	Hewlett-Packard Development Company, L.P.	23/10/2020	4232289	20958904.3	
4232829	Westinghouse Electric Company Llc	20/10/2021	4232829	21807485.4	
4233372	Qualcomm Incorporated	14/10/2021	4233372	21802888.4	
4236726	Bauce Bruno & C. S.r.l.	02/11/2021	4236726	21815661.0	
4236833	Boston Scientific Scimed, Inc.	01/11/2021	4236833	21820804.9	
4237747	Mitis S.A. Université Libre de Bruxelles	13/09/2021	4237747	21777304.3	French
4239242	Ichikoh Industries, Ltd.	29/10/2021	4239242	21886372.8	
4240725	Bayer Aktiengesellschaft	02/11/2021	4240725	21798727.0	German
4240726	Bayer Aktiengesellschaft	02/11/2021	4240726	21799070.4	German
4240727	Bayer Aktiengesellschaft	02/11/2021	4240727	21799071.2	German
4240728	Bayer Aktiengesellschaft	02/11/2021	4240728	21801134.4	German
4240787	BYK-Chemie GmbH	05/11/2021	4240787	21805524.2	
4240799	Sika Technology AG	08/11/2021	4240799	21805957.4	German
4241189	M-Itrust	04/11/2021	4241189	21806696.7	French
4242482	ABI Anlagentechnik-Baumaschinen- Industriebedarf Maschinenfabrik und Vertriebsgesellschaft mbH	07/03/2022	4242482	22160542.1	German
4243604	Lely Patent N.V.	11/11/2021	4243604	21807287.4	
4243691	Koninklijke Philips N.V.	10/11/2021	4243691	21805969.9	
4243724	Nodrill S.r.l.	08/11/2021	4243724	21819205.2	
4244006	Schaeffler Technologies AG & Co. KG	03/11/2021	4244006	21806977.1	German
4244082	Continental Reifen Deutschland GmbH	08/11/2021	4244082	21811253.0	German
4244115	Kinghorn, John	03/11/2021	4244115	21811428.8	
4244152	Windmüller & Hölscher KG	05/11/2021	4244152	21807032.4	German
4244865	Koninklijke Philips N.V.	10/11/2021	4244865	21810957.7	
4244985	Endress+Hauser SE+Co. KG	23/09/2021	4244985	21783445.6	German
4244998	Signify Holding B.V.	09/11/2021	4244998	21815375.7	
4245098	Signify Holding B.V.	09/11/2021	4245098	21810557.5	
4245531	TOPPAN INC.	09/11/2021	4245531	21891852.2	
4245991	Wobben Properties GmbH	17/03/2022	4245991	22162806.8	German
4247201	NK Technology Limited	18/11/2021	4247201	21830489.7	
4247552	IFP Energies nouvelles	08/11/2021	4247552	21801952.9	French
4247584	ArcelorMittal	04/11/2021	4247584	21802017.0	
4247610	BASF SE	12/11/2021	4247610	21805549.9	
4247753	ECUBES D.O.O.	18/06/2021	4247753	21754826.2	
4247760	BASF SE	10/11/2021	4247760	21802764.7	
4247908	Merck Patent GmbH	17/11/2021	4247908	21815433.4	
4248136	BSH Hausgeräte GmbH	17/11/2021	4248136	21815975.4	German
4248501	International Business Machines Corporation	16/11/2021	4248501	21815167.8	
4248508	Bramble Energy Limited	16/11/2021	4248508	21815626.3	
4248878	FUJIFILM Corporation	22/09/2021	4248878	21894315.7	
4249772	Jing-Jin Electric Technologies Co., Ltd.	08/06/2021	4249772	21927435.4	
4250686	ABB SCHWEIZ AG	21/03/2022	4250686	22163182.3	
4250806	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	18/11/2020	4250806	20961893.3	
4250904	Gelbmann, Josef	24/11/2020	4250904	20819614.7	German
4250909	Lely Patent N.V.	25/11/2021	4250909	21816176.8	
4251411	Continental Reifen Deutschland GmbH	19/11/2021	4251411	21827184.9	German

4251434	Continental Reifen Deutschland GmbH	02/11/2021	4251434	21806985.4	German
4251657	BASF SE	15/11/2021	4251657	21807123.1	
4251658	Ecole Supérieure de Chimie, Physique, Electronique de Lyon COMPAGNIE GÉNÉRALE DES ÉTABLISSEMENTS MICHELIN Centre National de la Recherche Scientifique Université Claude Bernard Lyon 1	19/11/2021	4251658	21823966.3	French
4251665	BASF SE	22/11/2021	4251665	21807154.6	
4251879	dosmatix GmbH	12/11/2021	4251879	21815395.5	German
4252492	Green Frix AGC Glass Europe	25/11/2021	4252492	21810643.3	
4252566	JT International SA	01/04/2022	4252566	22166321.4	
4255355	Majou, Claude Manin, Christian	30/11/2021	4255355	21840648.6	French
4255741	Continental Reifen Deutschland GmbH	25/11/2021	4255741	21820108.5	German
4255851	Université catholique de Louvain	03/12/2021	4255851	21823562.0	
4256109	Hydep S.r.l.	02/12/2021	4256109	21819487.6	
4256152	Scafom Holding B.V.	07/12/2021	4256152	21823386.4	
4256178	Vitesco Technologies GmbH	24/11/2021	4256178	21820165.5	German
4256196	Sizable Energy S.r.l.	24/11/2021	4256196	21814921.9	
4258849	Startec S.r.l.	09/12/2021	4258849	21834905.8	
4258923	Intersurgical AG	09/12/2021	4258923	21839044.1	
4258931	Polverelli, Giuseppe	06/12/2021	4258931	21836020.4	
4259349	Alfred Kärcher SE & Co. KG	22/10/2021	4259349	21801046.0	German
4259565	Futura S.p.A.	09/12/2021	4259565	21848042.4	
4259917	Robert Bosch GmbH	22/11/2021	4259917	21819371.2	German
4259973	BSH Hausgeräte GmbH	16/11/2021	4259973	21816340.0	German
4260427	Robert Bosch GmbH	22/11/2021	4260427	21819100.5	German
4260678	Greenman Machinery Company	05/02/2021	4260678	21908297.1	
4260959	ASAHI-SEIKI MANUFACTURING CO., LTD.	09/09/2021	4260959	21925744.1	
4261068	Greenman Machinery Company	05/02/2021	4261068	21908295.5	
4261125	SoftBank Corp.	04/11/2021	4261125	21906183.5	
4261478	AGO Technologie GmbH	12/04/2022	4261478	22167876.6	German
4261738	Zenseact AB	14/04/2022	4261738	22168460.8	
4262474	DYSON TECHNOLOGY LIMITED	25/10/2021	4262474	21806793.2	
4262477	DYSON TECHNOLOGY LIMITED	25/10/2021	4262477	21807209.8	
4263241	Continental Reifen Deutschland GmbH	12/11/2021	4263241	21823178.5	German
4263475	Shell Internationale Research Maatschappij B.V.	14/12/2021	4263475	21840349.1	
4263557	Bonomi, Paolo	15/12/2021	4263557	21839676.0	
4264084	ContiTech Deutschland GmbH	25/11/2021	4264084	21819343.1	German
4264242	TEWS Elektronik GmbH & Co. KG	08/12/2021	4264242	21839024.3	German
4266521	DC Systems B.V.	21/04/2022	4266521	22169343.5	
4266821	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	05/02/2021	4266821	21923783.1	
4267822	HUF Hilsbeck & Fürst GmbH & Co. KG	29/11/2021	4267822	21823499.5	German
4267861	Ateliers LR Etanco	25/11/2021	4267861	21819838.0	French
4268270	THALES Commissariat à l'Energie Atomique et aux Energies Alternatives	23/12/2021	4268270	21839592.9	French
4270040	Siemens Healthineers AG	25/04/2022	4270040	22169748.5	
4270921	Vivo Mobile Communication Co., Ltd.	22/12/2021	4270921	21914081.1	
4271950	Teledyne FLIR Commercial Systems, Inc.	29/12/2021	4271950	21851925.4	
4273090	Scandinavian Innovation Group Oy	03/05/2022	4273090	22171251.6	
4273634	Chronode SA	03/05/2022	4273634	22171307.6	French
4273749	NXP B.V.	05/05/2022	4273749	22171932.1	
4274928	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	26/10/2021	4274928	21805396.5	German
4276156	Braun GmbH	12/05/2022	4276156	22173033.6	

4277772	FORESA TECHNOLOGIES, S.L.U.	30/12/2021	4277772	21844790.2	
4280991	Covidien LP	11/01/2022	4280991	22702095.5	
4282734	VOLVO TRUCK CORPORATION	23/05/2022	4282734	22174895.7	
4283118	Siemens Gamesa Renewable Energy A/S	25/05/2022	4283118	22175290.0	
4285758	Shenzhen Smoore Technology Limited	23/12/2021	4285758	21922642.0	
4286501	The Procter & Gamble Company	01/06/2022	4286501	22176773.4	
4286806	Imec VZW	01/06/2022	4286806	22176654.6	
4296120	ZKW Group GmbH	21/06/2022	4296120	22180173.1	German
4297298	Ogenus Srl	22/06/2022	4297298	22180334.9	
4298162	Covestro Deutschland AG	25/02/2021	4298162	21705856.9	
4305721	Hitachi Energy Ltd	14/04/2021	4305721	21719109.7	
4306069	Boston Scientific Scimed, Inc.	10/01/2020	4306069	23208696.7	
4313685	MERIT AUTOMOTIVE ELECTRONICS SYSTEMS S.L.U	23/03/2021	4313685	21715816.1	
4313931	IOI Oleo GmbH	27/05/2021	4313931	21728905.7	
4326995	ZF CV Systems Europe BV	23/04/2021	4326995	21722150.6	German
4331440	SharkNinja Operating LLC	13/01/2017	4331440	24153089.8	
4347702	Wacker Chemie AG	01/06/2021	4347702	21733064.6	German
4352986	Telefonaktiebolaget LM Ericsson (publ)	09/06/2021	4352986	21732575.2	
4355503	EMMANOUILIDIS, Ioannis	08/11/2021	4355503	21810712.6	
4403338	Leister Technologies AG	12/01/2023	4403338	23194052.9	German
4417794	Purem GmbH	10/01/2024	4417794	24151079.1	German

### Withdrawn – Section 33(1)

20230544	Int. Cl. (2025.01) <b>B60Q 1/00</b> . A DRIVER ADVANCE WARNING SYSTEM. PATRICK LANIGAN
20240502	Int. Cl. (2025.01) <b>A63B 59/00; B32B 21/00</b> . A HURLEY. HURL FINDER LIMITED
20240629	Versatile Modular Wall Bracket Mechanism for Supporting various types of containers, or other objects. AUSTIN KELLY
20240651	Int. Cl. (2025.01) <b>B60P 1/00; B62D 33/00; B62D 53/00</b> . A DRIVE TRAIN COUPLER MECHANISM FOR A TRUCK. VALUE TECH LIMITED

### Deemed to have been Withdrawn - Section 23(9)

S20230480	A waste liquid device. J.F.C. MANUFACTURING CO. LIMITED
S20230489	A method for providing a response to a client request and a system for a chat conversation. SUPERTAB AG
S20230552	Packaging Apparatus. DANIEL SWEENEY; MYLES SWEENEY

### Refused - Section 31(1)

20200089	Int. Cl. (2025.01) <b>E04B 1/00</b> . A construction arrangement and a method of connecting panels. KEYSTONE LINTELS LIMITED
20220184	Int. Cl. (2025.01) <b>D03D 15/00</b> . A woven fabric having improved tear strength. Nautosphere Technology Limited
20220203	GROOMING PRODUCT. CONOR COLUMB
20240416	Production of Premium Quality Natural Sea Salt Crystals with High Mineral and Iodine Content. JACK & KEVIN N`GUINAN



## 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.

- 2025001** WUXI BIOLOGICS (SHANGHAI) CO., LTD., 288 Fute Zhong Road  
Waigaoqiao Free Trade Zone, 200131 Shanghai, China. WUXI  
BIOLOGICS IRELAND LIMITED, Mullagharlin Dundalk, Co. Louth  
A91 X56F, Ireland  
(03 January 2025)  
Patent No: 3332006; NOVEL ANTI-PD-L1 ANTIBODIES  
Product: sugemalimab  
Market Authorisation: Ireland EU/1/24/1833, 25/07/2024  
European Union EU/1/24/1833, 25/07/2024
- 2025002** THE CHILDREN'S HOSPITAL OF PHILADELPHIA, 3401 Civic  
Center Boulevard, Philadelphia, PA 19104, United States of America  
(07 January 2025)  
Patent No: 3313991; MODIFIED FACTOR IX, AND  
COMPOSITIONS, METHODS AND USES FOR GENE TRANSFER  
TO CELLS, ORGANS AND TISSUES  
Product: fidanacogene elaparvovec  
Market Authorisation: Ireland EU/1/24/1838, 26/07/2024  
European Union EU/1/24/1838, 26/07/2024

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## Patents Expired

- 85117 Int. Cl. (2025.01) **F24C 1/00**. Improvements in and relating to stoves.  
AGA CONSUMER PRODUCTS LIMITED
- 85790 Int. Cl. (2025.01) **C02F 1/00; C25B 1/00**. Liquid medium, its use and  
methods for its production. MEDIPURE LIMITED
- 85791 Int. Cl. (2025.01) **C25B 9/00; C02F 1/00; C25B 9/02**. End cap for an  
electrolytic cell. MEDIPURE LIMITED
- S86597 Int. Cl. (2025.01) **A61K 39/00**. An injectable antibody preparation for  
use in treating or reducing the risk of atopic dermatitis or asthma.  
KYMAB LIMITED
- S86598 Int. Cl. (2025.01) **A61K 39/00**. An injectable antibody preparation for  
use in treating or reducing the risk of atopic dermatitis or asthma.  
KYMAB LIMITED
- S86623 Int. Cl. (2025.01) **A61K 39/00**. An injectable antibody preparation for  
use in reducing or maintaining previously reduced cholesterol level.  
KYMAB LIMITED

- S86644 Int. Cl. (2025.01) **A61K 39/00; A61P 19/00**. An injectable antibody preparation for use in treating or reducing the risk of rheumatoid arthritis. KYMAB LIMITED
- S86646 Int. Cl. (2025.01) **A61K 39/00; A61P 19/00**. An injectable antibody preparation for use in treating or reducing the risk of rheumatoid arthritis. KYMAB LIMITED
- 1541218 Process for removing water from ammonia. Versum Materials US, LLC
- 1541967 Inertial rotation sensor with isotropic processing. SAGEM DEFENSE SECURITE
- 1543857 Guide wire. TERUMO KABUSHIKI KAISHA
- 1548209 Corrugated shearwall. Simpson Manufacturing Corporation
- 1550454 Extracorporeal photopheresis in combination with anti-TNF treatment. Mallinckrodt Hospital Products IP Unlimited Company
- 1555780 Method and System for Managing Network Traffic by Multiple Constraints. EMC Corporation
- 1560394 Techniques for dynamically establishing and managing authentication and trust relationships. Oracle International Corporation
- 1586571 Dipeptidyl peptidase inhibitors. Takeda Pharmaceutical Company Limited
- 1646793 HOLDING STRAP FOR CURVED SCREWSTRIP. SIMPSON STRONG-TIE COMPANY, INC.
- 1659257 Offshore exploration and production system having an adjustable buoyancy chamber. Anadarko Petroleum Corporation
- 1674457 Derivatives of squaric acid with anti-proliferative activity. FORMA TM, LLC
- 1674673 Internal combustion engine with hydraulic variable valves. C.R.F. SOCIETÀ CONSORTILE PER AZIONI
- 1689299 ARRAY TRANSDUCER FOR 3D TILTING PROBES. Vermon
- 1689333 IMPROVED GLAUCOMA IMPLANT DEVICE. Innfocus, Inc.
- 1689343 Male connectors and female connectors which are used to produce liquid transmission connections, such as for enteral nutrition lines. Vygon
- 1689715 TUBULIN INHIBITORS. YM BioSciences Australia Pty Ltd
- 1689739 AZOLE-BASED KINASE INHIBITORS. YM BioSciences Australia Pty Ltd
- 1691884 HEMOSTATIC VALVE ASSEMBLY. Cook Incorporated
- 1694250 REMOVABLE STENT-GRAFT. W. L. GORE & ASSOCIATES, INC.



- 1694273 METHODS FOR THE DIETARY MANAGEMENT OF IRRITABLE BOWEL SYNDROME AND CARBOHYDRATE MALABSORPTION. Ganeden Biotech, Inc.
- 1694311 CHEWABLE SOFT CAPSULES CONTAINING UNGELATINIZED STARCH. R.P. Scherer Technologies, LLC
- 1694319 USE OF 4-HYDROXYTAMOXIFEN FOR THE PREPARATION OF A MEDICAMENT FOR THE TREATMENT OF GYNECOMASTIA. Besins Healthcare Luxembourg SARL
- 1694363 Monodisperse PEGylated naloxol compositions. Nektar Therapeutics
- 1694370 WOUND CARE PRODUCTS CONTAINING KERATIN. Keratec Limited
- 1694446 PROCESS FOR REMOVING CONTAMINANTS FROM CONTAMINATED SOIL. Terreco B.V.
- 1694489 INJECTION MOULDING OF FUNCTIONAL CAVITIES. Cook Medical Technologies LLC
- 1694828 SERUM-FREE VERO CELL BANKING PROCESS. Wyeth LLC
- 1695086 METHODS FOR DETECTING BACTERIAL PATHOGENS. Biomerieux, Inc.
- 1695102 CHARACTERIZING CIRCUIT PERFORMANCE. Xilinx, Inc.
- 1695573 CONTROL DECISIONS IN A COMMUNICATION SYSTEM. Nokia Technologies Oy
- 1696812 TISSUE ABLATION WITH IRREVERSIBLE ELECTROPORATION. The Regents of the University of California
- 1696828 INTERCONNECTED LEG EXTENSIONS FOR AN ENDOLUMINAL PROSTEHSIS. Cook Medical Technologies LLC
- 1696913 PHARMACEUTICAL COMPOSITION OF VINFLUNINE FOR PARENTERAL ADMINISTRATION, PREPARATION METHOD THEREOF AND USE OF SAME. PIERRE FABRE MEDICAMENT
- 1696920 COMPOUNDS AND METHODS FOR DEVELOPMENT OF RET MODULATORS. PLEXXIKON INC.
- 1696923 NICOTINE DELIVERY PRODUCT AND METHOD FOR PRODUCING. Fertin Pharma A/S
- 1696947 USE OF ERYTHROPOIETIN IN THE TREATMENT OF DISTURBANCES OF IRON DISTRIBUTION IN CHRONIC INFLAMMATORY INTESTINAL DISEASES. F.HOFFMANN-LA ROCHE AG
- 1697112 METHOD FOR PRODUCING TINTED CONTACT LENSES. Alcon Inc.

- 1697326 CRYSTAL FORM OF QUINOLINE COMPOUND AND PROCESS FOR ITS PRODUCTION. Nissan Chemical Industries, Ltd.
- 1697384 PYRIDO- AND PYRIMIDOPYRIMIDINE DERIVATIVES AS ANTI-PROLIFERATIVE AGENTS. Janssen Pharmaceutica NV
- 1697399 A HUMAN CYTOTOXIC T-LYMPHOCYTE EPITOPE AND ITS AGONIST EPITOPE FROM THE NON-VARIABLE NUMBER OF TANDEM REPEAT SEQUENCE OF MUC-1. GOVERNMENT OF THE UNITED STATES OF AMERICA, as repr. by THE SECR. OF THE DEPT. OF HEALTH AND HUMAN SERVICES AND HIS SUCCESSORS
- 1697403 HAEMOPHILUS INFLUENZAE TYPE IV PILI. Nationwide Children's Hospital, Inc.
- 1697523 Expression vector and its use for an antibiotic free expression. Wacker Chemie AG
- 1697551 CEMENTED CARBIDE TOOLS FOR MINING AND CONSTRUCTION APPLICATIONS AND METHOD OF MAKING THE SAME. Sandvik Intellectual Property AB
- 1698623 CRYSTAL OF SALT OF 4-(3-CHLORO-4-(CYCLOPROPYLAMINOCARBONYL)AMINO-PHENOXY)-7-METHOXY-6-QUINOLINECARBOXAMIDE OR OF SOLVATE THEREOF AND PROCESSES FOR PRODUCING THESE. Eisai R&D Management Co., Ltd.
- 1699359 ACOUSTIC WAVE DEVICES. IMPERIAL COLLEGE INNOVATIONS LIMITED
- 1699438 PHARMACEUTICAL PREPARATION CONTAINING GABAPENTIN. ZAMBON S.p.A.
- 1699782 MALEATE SALTS OF A QUINAZOLINE DERIVATIVE USEFUL AS AN ANTIANGIOGENIC AGENT. AstraZeneca AB
- 1699784 NOVEL OXAZOLIDINONE DERIVATIVES. Dong-A ST Co., Ltd.
- 1699936 UNIVERSAL AMPLIFICATION OF FRAGMENTED RNA. Genomic Health, Inc.
- 1699991 SAFETY DEVICE FOR A FALL RESTRAINT. Kedge Holding B.V.
- 1700231 INTEGRATED CIRCUIT WITH CASCADING DSP SLICES. Xilinx, Inc.
- 1700293 PREDICTIVE CODING SCHEME. Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
- 1700354 BATTERY PART. WATER GREMLIN COMPANY
- 1701755 APPARATUS FOR DELIVERING FOAM. BTG International Limited

- 1701807 APPARATUS FOR USE TO CHECK POTATOES OR SIMILAR ITEMS. Newtec Engineering A/S
- 1701885 METHOD AND APPARATUS FOR FILLING A RADIALY FLEXIBLE CONTAINER. Kellanova
- 1701948 ASSAY FOR ENTACTOGENS. Siemens Healthcare Diagnostics Inc.
- 1701973 GLUTATHIONE DERIVATIVES AND THEIR USES FOR THE TREATMENT OF VIRAL DISEASES. FIRST - SOCIETA' A RESPONSABILITA' LIMITATA CON SOCIO UNICO
- 1702917 AMIDE DERIVATIVE AND MEDICINE. Nippon Shinyaku Co., Ltd.
- 1703893 NOVEL ANTI-IL 13 ANTIBODIES AND USES THEREOF. Genentech, Inc.
- 1704118 Method for the fabrication of a composite. PSIMedica Limited
- 1704141 PROSTAGLANDIN NITROOXYDERIVATIVES. Nicox S.A.
- 1704148 NOVEL FUSED PYRROLOCARBAZOLES. CEPHALON, INC.
- 1704555 MULTI-PRIMARY LIQUID CRYSTAL DISPLAY. Samsung Display Co., Ltd.
- 1704585 METHODS FOR FABRICATING ISOLATED MICRO- AND NANO-STRUCTURES USING SOFT OR IMPRINT LITHOGRAPHY. THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
- 1704675 METHOD AND SYSTEM FOR CONNECTING USER EQUIPMENT TO A COMMUNICATIONS NETWORK. Nokia Technologies Oy
- 1706024 INTEGRATED DIAGNOSTIC TEST SYSTEM. NIPRO DIAGNOSTICS, INC.
- 1706150 Stable growth hormone liquid formulation. Pharmacia Corporation
- 1706210 DEVICE FOR HOLDING A FLUIDIC COMPONENT. Boehringer Ingelheim International GmbH
- 1706373 AMIDOACETONITRILE DERIVATIVES. Elanco Tiergesundheit AG
- 1706414 PROCESS FOR FLUOROCYTIDINE DERIVATIVES. F.HOFFMANN-LA ROCHE AG
- 1707020 Directory assistance with multi-modal messaging. Accenture Global Services Limited
- 1708649 DEVICE FOR MODIFYING THE SHAPE OF A BODY ORGAN. Cardiac Dimensions Pty. Ltd.
- 1708686 GENERALLY LINEAR EFFERVESCENT ORAL FENTANYL DOSAGE FORM AND METHODS OF ADMINISTERING. CIMA LABS INC.

- 1709044 OXAZOLIDINONE-QUINOLONE HYBRID ANTIBIOTICS.  
Morphochem Aktiengesellschaft Für Kombinatorische Chemie
- 1711187 REDUCING ARTHRITIS AND LAMENESS IN SUBJECTS BY  
GROWTH HORMONE RELEASING HORMONE (GHRH)  
SUPPLEMENTATION. Inovio Pharmaceuticals, Inc.
- 1711528 TREATMENT OF CANCER WITH NOVEL ANTI-IL 13  
MONOCLONAL ANTIBODIES. Genentech, Inc.
- 1711531 NEUTRALIZING ANTI TLR4/MD-2 ANTIBODIES AND  
METHODS OF USE THEREOF. Novimmune SA
- 1711671 APPARATUS FOR DISPENSING AND TENSIONING WIRE.  
Quickfencer Limited
- 1713326 STABILIZED FORMULATION OF IVERMECTIN FEED PREMIX.  
Boehringer Ingelheim Animal Health USA Inc.
- 1715747 PROCESS FOR THE PRODUCTION OF A FROZEN FOOD  
PRODUCT. International N&H Denmark ApS
- 1716162 PHOSPHONATES, MONOPHOSPHONAMIDATES,  
BISPHOSPHONAMIDATES FOR THE TREATMENT OF VIRAL  
DISEASES. GILEAD SCIENCES, INC.
- 1720866 PRODUCTION METHOD. Bayer Intellectual Property GmbH
- 1723156 PROCESS FOR THE PREPARATION OF PYRIDINE  
DERIVATIVES. Corteva Agriscience LLC
- 1723303 ACTUATING SYSTEM FOR CASINGS. Nekos Srl
- 1724226 Elevator. INVENTIO AG
- 1725566 PROCESS FOR THE PREPARATION OF (3R,3AS,6AR)-  
HEXAHYDROFURO [2,3-B] FURAN-3-YL (1S,2R)-3-[[4-  
AMINOPHENYL) SULFONYL] (ISOBUTYL) AMINO]-1-BENZYL-2-  
HYDROXYPROPYLCARBAMATE. Janssen Sciences Ireland UC
- 1727555 PRODUCTION OF HOP EXTRACTS HAVING OESTROGENIC  
AND ANTIPROLIFERATIVE BIOACTIVITY. Metagenics Belgium  
BVBA
- 1732512 INHALANT FORMULATION CONTAINING SULFOALKYL  
ETHER CYCLODEXTRIN AND CORTICOSTEROID. CyDex  
Pharmaceuticals, Inc.
- 1733331 CODEC-ASSISTED CAPACITY ENHANCEMENT OF WIRELESS  
VOIP. Nytell Software LLC
- 1737907 A SUPERABSORBENT POLYMER PRODUCT INCLUDING A  
BIOACTIVE, GROWTH-PROMOTING ADDITIVE. UPL MAURITIUS  
LIMITED

- 1740252 Distal wire stop. Cook Medical Technologies LLC  
PROCESS FOR PREPARING BITUMEN COMPOSITIONS WITH
- 1763562 REDUCED HYDROGEN SULFIDE EMISSION. TOTAL ENERGIES  
ONETECH
- 1768604 SYSTEM FOR DELIVERING A LEFT ATRIAL APPENDAGE  
CONTAINMENT DEVICE. Boston Scientific Scimed, Inc.
- 1803871 Object provided with a safety device for a personal fall protection.  
Kedge Holding B.V.
- 1825648 ACCESS METHOD IN A WLAN FOR AN IP MOBILE  
TELEPHONE WITH AUTHENTICATION BY MEANS OF AN HLR.  
Togewa Holding AG
- 1827741 QUICK-CHANGE AND PLUG EJECT ARBOR FOR A HOLE SAW.  
A.V. Custom style B.V.
- 1829295 AN ARRANGEMENT AND A METHOD RELATING TO FLOW OF  
PACKETS IN COMMUNICATION SYSTEMS.  
TELEFONAKTIEBOLAGET LM ERICSSON (publ)
- 1832308 Guide wire. TERUMO KABUSHIKI KAISHA
- 1834528 PROCESS FOR PRODUCTION OF JELLYLIKE DRINKS.  
Ryukakusan Co. Ltd.
- 1838301 USE OF RESINIFERATOXIN (RTX) FOR THE PREPARATION OF  
AN AGENT FOR THE TREATMENT OF PAIN. GRUNENTHAL  
GMBH
- 1841589 SYSTEM FOR PROCESSING WASTE ON A CONTINUOUS  
BASIS. Bouldin Corporation
- 1933513 Method and transmitter for broadcast transmission with spatial  
spreading in a multi-antenna communication system. QUALCOMM  
Incorporated
- 1939258 Method for preparing preconditioned pigment particles. Alcon Inc.
- 1991202 METHOD FOR ADMINISTRATION TIOTROPIUM. Boehringer  
Ingelheim International GmbH
- 2163710 Method of providing a safety device for a personal fall protection.  
Kedge Holding B.V.
- 2192127 Haemophilus influenzae type IV Pili. Nationwide Children's Hospital,  
Inc.
- 2204374 Nucleoside phosphonates and analogs thereof for the treatment of HPV-  
infections. GILEAD SCIENCES, INC.

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2257008	Method and transmitter for broadcast transmission with spatial spreading in a multi-antenna communication system. Qualcomm Incorporated
2277865	Phenyl-substituted 6-ring nitrogen-heterocycles as microtubule polymerisation inhibitors. YM BioSciences Australia Pty Ltd
2298287	Stabilised compositions of factor VII polypeptides. Novo Nordisk Health Care AG
2306331	Integrated circuit with cascading DSP slices. Xilinx, Inc.
2383534	Method of and device for cleaning heat exchangers, recovery boilers and combustion chambers. Conservator Tyche Beheer B.V.
2604282	Method for preparing of monodisperse oligo ethylene glycol. Nektar Therapeutics
2745805	Repositionable heart valve. Boston Scientific Scimed, Inc.
2749254	Repositionable heart valve. Boston Scientific Scimed, Inc.
2805728	Novel anti-IL 13 antibodies and uses thereof. Genentech, Inc.
2926767	REPOSITIONABLE HEART VALVE. Boston Scientific Scimed, Inc.
2926772	Artificial valve prosthesis with improved flow dynamics. Cook Medical Technologies LLC
3002277	PROSTAGLANDIN DERIVATIVES. Nicox S.A.
3037065	DEVICE FOR MODIFYING THE SHAPE OF A BODY ORGAN. Cardiac Dimensions Pty. Ltd.
3263032	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR. Dexcom, Inc.
3300692	REPOSITIONABLE HEART VALVE. Boston Scientific Scimed, Inc.
3332744	DEVICE FOR MODIFYING THE SHAPE OF A BODY ORGAN. Cardiac Dimensions Pty. Ltd.
3388028	REPOSITIONABLE HEART VALVE. Boston Scientific Scimed, Inc.
3492042	REPOSITIONABLE HEART VALVE. Boston Scientific Scimed, Inc.
3593760	METHODS AND DEVICES FOR REPAIR OR REPLACEMENT OF HEART VALVES OR ADJACENT TISSUE WITHOUT THE NEED FOR FULL CARDIOPULMONARY SUPPORT (II). Edwards Lifesciences CardiAQ LLC
3718564	NOVEL ANTI-IL 13 ANTIBODIES AND USES THEREOF. GENENTECH, INC.
3815730	ORONASAL PATIENT INTERFACE. ResMed Pty Ltd

## Designs Registered Under The Industrial Designs Act, 2001

**23656**      30.99      THOMAS WALSH, Carrigeen, knocktopher, Co.Kilkenny, R95 HC80, Ireland  
 TIARNAN SHEFFLIN, Knockwilliam, Ballyhale, Co.Kilkenny, R95 H726, Ireland  
 DAVID WALSH, Ballyhale, Co.Kilkenny, Ireland.  
 Address for service is c/o RNAN SHEFFLIN  
 THOMAS WALSH  
 DAVID WALSH  
 C/O Knockwilliam, Ballyhale, Kilkenny R95 H726, Ireland.

Date of Registration: 25 April 2024.

Self hanging crush shelf/storage unit with spring loaded latch that is adjustable to various crush pipes and spacings. This shelf/storage unit will secure to all crushes regardless of the spacing between the pipes as the spring loaded adjustable latch allows for this.



**23657**      06.13      Patricia Furey, Lisbaun, Kiltoom, Athlone N37KV26, Ireland.  
 Address for service is c/o Patricia Furey  
 Lisbaun, Kiltoom, Athlone N37KV26, Ireland.

Date of Registration: 04 December 2024.

A short decorative bed sheet, shorter in length than standard bed sheets, it's used as a top layer for decorative purposes rather than full coverage. With a hem 15cm with decorative lace.

**23658**

06.13

Patricia Furey, Lisbaun, Kiltoom, Athlone N37KV26, Ireland.

Address for service is c/o Patricia Furey  
Lisbaun, Kiltoom, Athlone N37KV26, Ireland.

Date of Registration: 04 December 2024.

A short decorative bed sheet, shorter in length than standard bed sheets, it's used as a top layer for decorative purposes rather than full coverage. With a hem of 12cm with gathered decorative lace.



**23659**

06.13

Patricia Furey, Lisbaun, Kiltoom, Athlone N37KV26, Ireland.  
Address for service is c/o Patricia Furey  
Lisbaun, Kiltoom, Athlone N37KV26, Ireland.

Date of Registration: 04 December 2024.

A short decorative bed sheet, shorter in length than standard bed sheets, it's used as a top layer for decorative purposes rather than full coverage. With a hem of 15cm and 5 x 1cm pin tucks with embroidered strip above and below the pin tucks.

**23660**

06.13

Patricia Furey, Lisbaun, Kiltoom, Athlone N37KV26, Ireland.  
Address for service is c/o Patricia Furey  
Lisbaun, Kiltoom, Athlone N37KV26, Ireland.

Date of Registration: 04 December 2024.

A short decorative bed sheet, shorter in length than standard bed sheets, it's used as a top layer for decorative purposes rather than full coverage. With a hem of 20cm and two embroidered strips



**Renewal of Designs Registered under the Industrial Designs Act, 2001****Registrations renewed for 2<sup>nd</sup> period of 5 Years**

Design number	Class
23010	08.08
23011	25.01
23012	25.01

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

**Cuid II**

**Trádmharcanna**

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**No. 2534**

**Wednesday, 29 January, 2025**

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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.*

## **Official Notice**

### **Register of Trade Mark Agents**

#### **Examination in Law & Practice of Trade Marks**

**It is proposed to hold an online e-examination in the law and practice of Trade Marks on 10 April, 2025. The latest date for receipt of applications from persons who wish to sit this examination is 10 March, 2025. Candidates wishing to be examined must have submitted in advance to the Controller an application form and fee of €200 not later than 10 March, 2025.**

## 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.



**271880** 15 November 2024

Class 26. Hairpieces; Synthetic hair; Hair elastics; Hair extensions; Hair pieces; Hair (False -); False hair; Hair twisters [hair accessories]; Hair barrettes; Hair clips; Hair slides; Hair grips; Hair scrunchies; Bands (Hair -); Hair decorations; Ornaments (Hair -); Hair ornaments; Hair weaves; Hair wraps; Hair (Plaited -); Hair rollers; Hair curlers; Hair bands;

Hair pins; Hair nets; Human hair; Plaited hair; Hair tresses; Synthetic hairpieces; False hairpieces.

Bonolo Tshepe, 7 Whitethorn Row, Naas W91 HP7K, Ireland. Address for service is c/o Bonolo Tshepe, 7 Whitethorn Row, Naas W91 HP7K, Ireland.

## Match Hero

**271881** 30 April 2024

Class 9. Computer software for use on handheld mobile digital electronic devices and other consumer electronics.

Match Hero Limited, Knocknagin Road, Balbriggan, Co. Dublin K32 TN30, Ireland. Address for service is c/o Match Hero Limited, C/o Tom Hefferon, 4 Manor Green, Marley Grange, Rathfarnham, Dublin D16 AV88, Ireland.

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## Wireless dp

**271882** 30 April 2024

Class 45. Licensing of intellectual property; Patent licensing; Software licensing; Licensing of technology; Computer software licensing; Licensing of trademarks; Information services relating to manufacturing standards; Advisory services relating to the preparation of standards; Designs (Registered, licensing of -); Licensing of design patents; Patents (Licensing of -); Licensing of patents; Licensing of patent applications.

SAS JAY, 1 Rue de Stockholm, 75008 Paris, France.  
Address for service is c/o SAS Jay, C/o Munteanu Tudor, 9 Rue des Maraichers, 95130 Franconville, France.

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Application is for a Series of 3 Trade Marks.

**271883** 26 April 2024

- Class 20. Pet houses; Cushions (Pet -).
- Class 28. Toys, games and playthings for pet animals; Pet toys.
- Class 31. Pet foods; Pet foodstuffs; Food (Pet -); Pet animals.
- Class 35. Retail stores services in connection with pet animals, birds and fish, pet care supplies and accessories, pet foods, beds and resting places for pets, scratching trees for cats, collars for dogs, cages for pets; Fish tanks and accessories; Business assistance and consultation relating to franchising. Commercial information; business organization and business economy consultancy; business intermediary services in the purchase and sale of goods, within the framework of services rendered by a wholesale company; business intermediary services in ordering products for third parties, to allow the purchase and resale under the brand name Petworld; aforesaid services rendered via internet or not.



Class 44. Veterinary services  
(Professional consultancy  
relating to -).

Thomas Horkan, Spencer st., Castlebar, Co. Mayo,  
Castlebar F23 KH97, Ireland. Address for service is  
c/o Thomas Horkan, SPENCER STREET, Castlebar,  
Co. Mayo, Castlebar F23 KH97, Ireland.

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



**271884** 22 June 2024

Class 44. Dog grooming services.

Tudor Mircea Moldovan, Apt. 211 St. Margaret's  
Road, Finglas, Dublin 11 D11R9F3, Ireland. Address  
for service is c/o Tudor Mircea Moldovan, Apt. 211  
St. Margaret's Road, Finglas, Dublin 11 D11R9F3,  
Ireland.



**271885** 22 May 2024

- Class 39. food delivery service of  
Asian street food; packaging  
of food, namely ready meals.
- Class 43. Catering; Restaurants; Take  
away food and drink  
services; contract food  
services.

XING XUE, NO 3 PARK DRIVE, GRANGERATH,  
DROGHEDA A92YK1C, Ireland. Address for  
service is c/o XING XUE, NO 3 PARK DRIVE,  
GRANGERATH, DROGHEDA A92YK1C, Ireland.



**271886** 01 October 2024

Class 33. Whiskey; Gin.

Laurence Parsons, Birr Castle, Birr R42V027, Ireland. Address for service is c/o Laurence Parsons, Birr Castle, Birr R42V027, Ireland.

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## SHE WHO ROSE

**271887** 31 October 2024

Class 3. Perfume.

Class 14. Jewellery.

Class 26. Claw clips [hair accessories].

Rosemarie McGrath, Ballyvelly House, Tralee V92XF2R, Ireland. Address for service is c/o Rosemarie McGrath, Ballyvelly House, Tralee V92XF2R, Ireland.

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**271888** 16 August 2024

Class 25. Clothing; footwear; headgear; jackets, weather resistant outer clothing; rainproof jackets; weatherproof pants; sailing wet weather clothing; sportswear; sports pants; skirts, shorts, coats, sweaters, shirts, t-shirts, polo shirts, tops, neckties; scarves and bow ties; belts; hats; gloves and mitts, mufflers, bandanas [neckerchiefs], sports caps; rain hats; sun hats; woolly hats; socks, shoes, deck shoes, sport shoes, waterproof shoes.

Class 39. Marina services; boat and yacht chartering services; hire of boats; rental of sailboats; arranging of cruises; transportation of passengers by boat; services for the booking of travel; travel reservation and booking services; tourist travel reservation services; navigation services; rental of diving suits; towing, warehousing and delivery of goods; boat and yacht storage; delivery of fuel for boats; delivery and distribution of fuel; advisory and information services relating to the aforesaid.

Class 41. Entertainment, sporting and cultural activities; organising of sports races, regattas, competitions and events; organising of sports events relating to sailing; sports club services; provision of

sports facilities; provision of yacht and sailing club services; provision of courses of instruction and training in sailing; sailing instruction; provision of sailing facilities; organising and staging of sailing championships, events and tournaments; arranging and conducting of seminars and educational conferences; publication of books, magazines, newsletters, texts relating to sailing; hire of equipment for sports; sports refereeing and officiating; sports tuition, coaching and instruction; sports education services; organisation of entertainment events; provision of facilities for entertainment; corporate hospitality (entertainment); production, presentation, syndication, distribution and rental of audio and video recordings; production, presentation, syndication, distribution and rental of films, television and radio programmes; publishing services; electronic publishing services; publishing a website with information about sports, sailing or boats; on-line electronic games services; ticketing and event booking services; ticket information services for entertainment and sports events; information, advice and consultancy about any of the aforesaid services.

Class 43. Services for providing food and drink; club services for the provision of food and drink; restaurant and bar services; food and drink catering services; temporary accommodation; advisory and information services relating to the aforesaid; providing social meeting, banquet and social function

facilities; rental of rooms for social functions.

Howth Yacht Club Company Limited by Guarantee, (Reg No. 81187), Middle Pier, Howth Harbour, Howth, County Dublin D13 E6V3, Ireland. Address for service is c/o MICHAEL O'CONNOR, c/o O'Connor Intellectual Property, Suite 207, Q House, Furze Road, Sandyford, Dublin 18, Ireland.

The mark in use is/will be in the colour(s) Red, White and Grey

## WAVE REGATTA

271889 16 August 2024

Class 25. Clothing; footwear; headgear; jackets, weather resistant outer clothing; rainproof jackets; weatherproof pants; sailing wet weather clothing; sportswear; sports pants; skirts, shorts, coats, sweaters, shirts, t-shirts, polo shirts, tops, neckties; scarves and bow ties; belts; hats; gloves and mitts, mufflers, bandanas [neckerchiefs], sports caps; rain hats; sun hats; woolly hats; socks, shoes, deck shoes, sport shoes, waterproof shoes.

Class 39. Marina services; boat and yacht chartering services; hire of boats; rental of sailboats; arranging of cruises; transportation of passengers by boat; services for the booking of travel; travel reservation and booking services; tourist travel reservation services; navigation services; rental of diving suits; towing,

	<p>warehousing and delivery of goods; boat and yacht storage; delivery of fuel for boats; delivery and distribution of fuel; advisory and information services relating to the aforesaid.</p> <p>Class 41. Entertainment, sporting and cultural activities; organising of sports races, regattas, competitions and events; organising of sports events relating to sailing; sports club services; provision of sports facilities; provision of yacht and sailing club services; provision of courses of instruction and training in sailing; sailing instruction; provision of sailing facilities; organising and staging of sailing championships, events and tournaments; arranging and conducting of seminars and educational conferences; publication of books, magazines, newsletters, texts relating to sailing; hire of equipment for sports; sports refereeing and officiating; sports tuition, coaching and instruction; sports education services; organisation of entertainment events; provision of facilities for entertainment; corporate hospitality (entertainment); production, presentation, syndication, distribution and rental of audio and video recordings; production, presentation, syndication, distribution and rental of films, television and radio programmes; publishing services; electronic publishing services; publishing a website with information about sports, sailing or boats; on-line electronic games services; ticketing and event booking services; ticket information services for entertainment and sports events; information, advice and</p>	<p>consultancy about any of the aforesaid services.</p> <p>Class 43. Services for providing food and drink; club services for the provision of food and drink; restaurant and bar services; food and drink catering services; temporary accommodation; advisory and information services relating to the aforesaid; providing social meeting, banquet and social function facilities; rental of rooms for social functions.</p> <p>Howth Yacht Club Company Limited by Guarantee, (Reg No. 81187), Middle Pier, Howth Harbour, Howth, County Dublin D13 E6V3, Ireland. Address for service is c/o MICHAEL O'CONNOR, c/o O'Connor Intellectual Property, Suite 207, Q House, Furze Road, Sandyford, Dublin 18, Ireland.</p>
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**271890** 12 November 2024

Class 42. Engineering design and consultancy.

TEM Engineering & Management DAC, Unit 2G, North Point House, North Point Business Park, New Mallow Road, Cork T23AT2P, Ireland. Address for service is c/o Tony O' Connor, Unit 2G, North Point House, North Point Business Park, New Mallow Road, Cork T23AT2P, Ireland.

The mark in use is/will be in the colour(s) ROYAL BLUEHEX: #192963VIVID SKY BLUEHEX: #24C8E8BLACKHEX: #000000

## SAVAX

**271891** 19 November 2024

Class 5. Fish vaccines.

Pharmaq AS, Skogmo Industriomrade, Industrivegen 50, Overhalla 7863, Norway. Address for service is c/o FRKelly, Waterways House, Grand Canal Quay, Dublin D02 PD39, Ireland.

## VACARDIA

**271892** 19 November 2024

Class 5. Fish vaccines.

Pharmaq AS, Skogmo Industriomrade, Industrivegen 50, Overhalla 7863, Norway. Address for service is c/o FRKelly, Waterways House, Grand Canal Quay, Dublin D02 PD39, Ireland.

**CAPRIN****271893** 20 September 2024

- Class 5. Pharmaceutical preparations and substances;  
pharmaceutical preparations and substances all containing aspirin as the active constituent.

PINEWOOD LABORATORIES LIMITED, 1 M50 Business Park, Ballymount, Dublin, D12 K6C5, Ireland. Address for service is c/o Anne Ryan & Co, 2 Crofton Terrace, Dun Laoghaire, Co. Dublin, A96 V6P7, Ireland.

The application for registration is proceeding with the consent of the proprietor of Registered European Union Trade Mark No. 018955896.

**SILO****271894** 21 November 2024

- Class 41. Arrangement of music events.
- Class 43. Provision of food and drink services; bar and pub services; restaurant and café services.

MJ Music Limited, 10 Grand Canal Street Upper, Dublin 4 D04 H6K7, Ireland. Address for service is c/o FRKelly, Waterways House, Grand Canal Quay, Dublin D02 PD39, Ireland.

**SimpleStudy****271895** 14 April 2024

- Class 16. Educational publications; Study guides.
- Class 41. Information (Education -); Education information; Education; Education services; Education examination; Educational services; Educational information; Secondary school educational services; Educational examination; School services; Preparatory schools; Services of schools [education]; School courses relating to study assistance; Distance learning courses; Correspondence courses, distance learning; Distance learning services provided online.
- Class 42. Software as a service [SaaS]; Software as a service [SaaS] featuring computer software platforms for artificial intelligence.

Phillip McKenna, 8 Emmet Court Clonakilty, Cork P85NN62, Ireland. Address for service is c/o Phillip McKenna, C/o Oisín Devoy, Gurrane, Rosscarbery, Co Cork, Cork P85VR04, Ireland.



**271896** 15 November 2024

- Class 4. Fuel; motor fuel; motor oils; gasoline; diesel; petrol; petrol ether; motor vehicle lubricants; fuel with alcoholic base; vaporised fuel mixtures; non-chemical additives to motor fuel; fuel gas; fuel oil; diesel oil; fuel alcohol.
- Class 35. Retail services relating to motor fuel, diesel, food, prepared snacks, drink, medicine, tobacco, smoker's articles, electric cigarettes, maps, spare parts and accessories for automobiles, toys, games, cut flowers and live plants; loyalty, incentive and bonus program services; all of the above services provided at vehicle service stations.
- Class 37. Vehicle service station services; vehicle fuelling services; recharging services for electric vehicles provided at a vehicle service station; vehicle maintenance services; vehicle cleaning services; vehicle washing services; vehicle repair services.

Petrogas Group Limited, Block 17, Joyce Way, Park West, Dublin 12 D12 F2V3, Ireland. Address for service is c/o Sipara Sweden AB, Nannavägen 22, SE-187 73 Täby, Stockholm, Sweden.

## Endura Training

**271897** 18 November 2024

- Class 41. Fitness training services; Physical fitness training services; Physical fitness centre services; Exercise [fitness] training services; Physical fitness education services; Sports and fitness services; Training services relating to fitness; Fitness and exercise training services; Health and fitness club services; Health club [fitness] services; Educational services relating to physical fitness; Education services relating to physical fitness; Provision of educational services relating to fitness; Physical fitness assessment services for training purposes; Health club services [health and fitness training].

Jennifer Quinn, Tawnies Lower, Clonakilty, Cork P85 XR79, Ireland. Address for service is c/o Jennifer Quinn, Tawnies Lower, Clonakilty, Cork P85 XR79, Ireland.

**SMART STRAINS****271898** 21 November 2024

- Class 1. Probiotic bacterial cultures for the food industry; probiotic bacterial formulations [other than for medical use].
- Class 5. Probiotic supplements; probiotic preparations for medical use to help maintain a natural balance of flora in the digestive system; prebiotic supplements; dietetic food and substances adapted for medical use; dietary supplements; food supplements; vitamin and mineral supplements; nutritional supplements; dietary and nutritional supplements for infants; botanical supplements; herbal supplements; antioxidants; supplements providing dietary fibre.

The Gut Health Doctor Probiotics Ltd, 7 Bell Yard, London WC2A 2JR, United Kingdom. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

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**THE FUEL GOOD FACTOR****271899** 21 November 2024

- Class 9. Podcasts; podcasts in the fields of health and nutrition; downloadable podcasts; downloadable podcasts in the fields of health and nutrition; audio recordings; audio recordings in the field of health and nutrition; sound recordings; sound recordings in the field of health and nutrition; video recordings; video recordings in the field of health and nutrition; videocasts; downloadable videocasts in the fields of health and nutrition.
- Class 38. Podcasting; podcasting in the field of health and nutrition; podcasting services; podcasting services in the field of health and nutrition; transmission of podcasts; transmission of podcasts in the field of health and nutrition; transmission of video podcasts; transmission of video podcasts in the field of health and nutrition; telecommunication services, namely, transmission of podcasts in the field of health and nutrition.
- Class 41. Production of podcasts; production of podcasts in the field of health and nutrition; creation [writing] of podcasts; creating [writing] of podcasts in the field of health and nutrition; creation [writing] of educational content for podcasts; creation [writing] of educational content for podcasts in the field of health and nutrition; entertainment services; audio and video entertainment in the fields of health and nutrition; entertainment



services, namely, providing podcasts in the fields of health and nutrition; provision of entertainment via podcast; provision of entertainment via podcasts in the field of health and nutrition; entertainment services, namely, providing video podcasts in the field of health and nutrition; entertainment services for sharing audio recordings; entertainment services for sharing audio recordings in the field of health and nutrition; production of audio entertainment; production of audio entertainment in the field of health and nutrition; provision of educational services relating to health; provision of educational services relating to diet; instructions courses related to slimming.

Cambridge Nutritional Foods Limited, Stafford House, 10 Brakey Road, Corby, Northamptonshire NN17 5LU, United Kingdom. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

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## HAYLO POWER

**271900** 14 November 2024

Class 9. Apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity; Photovoltaic apparatus and installations for generating solar

electricity; Photovoltaic installations for electric power generation; Photovoltaic apparatus for converting solar radiation to electrical energy; Photovoltaic solar modules; Solar modules; Solar panels; Solar panels for the production and generation of electricity; Solar batteries; Solar batteries for industrial use.

Class 11. Apparatus and installations for lighting, heating, cooling, steam generating, cooking, drying, ventilating, water supply and sanitary purposes; Solar energy collectors for heating; Solar heating apparatus and installations; Solar thermal collectors [heating]; Solar heating panels; Solar powered ventilation apparatus; Evacuated heat pipe solar collectors [heat exchangers]; Solar furnaces; Solar water heaters; Solar lights and lamps.

Class 37. Construction services; Installation, assembly, repair and maintenance of clean energy and clean power generating apparatus and installations; Construction of utility solar installations; Installation, assembly, repair and maintenance of photovoltaic power generating apparatus and installations; Maintenance and repair of solar power installations; Maintenance and repair of energy supply installations; Installation of non-residential solar panel power systems; Installation of residential solar panel power systems; Installation of solar heating systems; Installation of sun protection systems; Installation of electrical and power generating photovoltaic machinery; Recharging of

batteries and accumulators;  
Replacement of  
accumulators; Installation of  
photovoltaic cells and  
modules; professional and  
advisory services relating to  
the aforesaid.

Phoenix UK Services Limited, Level 25 One Canada  
Square, Canary Wharf, London E14 5AA, United  
Kingdom. Address for service is c/o FRKelly,  
Waterways House, Grand Canal Quay, Dublin D02  
PD39, Ireland.

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## BOOTS N' BLING

**271901** 18 November 2024

Class 35. Arranging promotion of  
charitable fundraising events;  
event marketing; arranging  
and conducting of  
advertising events;  
organisation of events for  
commercial and advertising  
purposes.

Class 36. Fundraising and financial  
sponsorship; charitable  
fundraising by means of  
entertainment events;  
arranging charitable  
fundraising events; providing  
information relating to  
charitable fundraising;  
charitable fundraising  
services by means of  
organizing and conducting  
galas; fund raising for  
charity; arranging charitable  
fundraising events; financial  
sponsorship of dance events.

Class 41. Education, entertainment and  
sport services, production of  
entertainment shows  
featuring dancers and

singers; organization of Latin  
dance performances for  
entertainment purposes;  
organising sporting events;  
provision of recreational  
events; organisation of  
entertainment events; sports  
events (Timing of -);  
organisation of musical  
events; musical events  
(Arranging of -);  
organization of dancing  
events; organisation of  
dancing competitions;  
dancing competitions  
(Organising of -);  
presentation of dancing  
displays; organisation of  
dancing displays; dancing  
facilities (Provision of -);  
provision of dancing  
facilities; provision of  
facilities for dancing; special  
event planning; sporting  
event organization; special  
event planning consultation;  
Production of sporting  
events; organising events for  
entertainment purposes;  
ticketing and event booking  
services; organising of  
recreational events;  
presentation of live  
entertainment events; video  
editing services for events;  
lighting technician services  
for events; team building  
(education); live stage  
shows; live music shows;  
live show production  
services; organisation of live  
shows; production of live  
shows; entertainment  
services for producing live  
shows; provision of live  
shows; presentation of live  
show performances.

KR Live Limited, 20 Millrace Walk, Saggart, Co.  
Dublin, Ireland. Address for service is c/o FRKelly,  
Waterways House, Grand Canal Quay, Dublin D02  
PD39, Ireland.



Application is for a Series of 2 Trade Marks.

**271902** 20 November 2024

- Class 9. Computer chatbot software for simulating conversations.
- Class 16. Paper and cardboard; printed matter; story books; colouring books; colouring pencils; notebooks.
- Class 28. Games, toys and playthings; plush toys; stuffed toys; plastic character toys.

Class 35. Advertising, marketing and promotional services; production of advertising material; promotional marketing; product marketing.

CERTA IRELAND LIMITED, Clonminam Industrial Estate, Portlaoise, Laois R32 YY26, 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.

## Soft Day Seaweed

**271903** 20 November 2024

Class 16. Original framed seaweed pressings and gilcée prints.

LINDA CORBET, 43 Ferncarrig Rise, Sandyford, Dublin 18 D18T2W4, Ireland SANDRA ROWE, 6 Roebuck Park, Goatstown, Dublin 14 D14AC99, 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.

**MARU**

**271904** 22 November 2024

Class 26. Hair ribbons.

MARU, Moyne Village, Thurles, Tipperary E41H5K2, Ireland. Address for service is c/o MARU, C/O Mary Quinlan, Moyne Village, Thurles, Tipperary E41H5K2, Ireland.

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



The Mark is a Collective Mark.

**271905** 19 August 2022

Class 9. Downloadable computer software applications; computer software recorded and/or downloadable; computer hardware; electronic publications downloadable; downloadable sound and image files; pre-recorded media namely cds, cd roms, dvds, videos and other digital media storage devices; all of the foregoing relating to driver competence, driver safety,

road safety, freight haulage and transport best practices, regulations and legislation, vehicle maintenance, vehicle road-worthiness and related educational, training, instruction examination, certification and accreditation purposes.

Class 41. Educational, training and instruction services; educational and training examination; arranging and conducting of seminars, information days and conferences; provision of training materials and resources via the internet; arranging, organising and conducting awards; publication of texts, printed matter and electronic publications (not downloadable); information provided on line namely publications, audio recordings, video recordings; writing of texts other than publicity texts; provision of educational information; production of audio-visual material; all of the foregoing relating to driver competence, driver safety, road safety, freight haulage and transport best practices, regulations and legislation, vehicle maintenance and vehicle road-worthiness; and advisory, consultancy and information services relating to all the aforesaid.

Class 42. Vehicle road-worthiness testing; technical research in the field of vehicle road-worthiness, vehicle road-worthiness testing, driver competence, driver safety and road safety; monitoring and maintenance of vehicle, transportation, road safety and driver safety equipment and computer systems; design and development of equipment, computer hardware and software in the

field of vehicle-safety, transportation, road-safety and driver-safety equipment and computer systems; certification and accreditation services in relation to educational and training award schemes.

FREIGHT TRANSPORT ASSOCIATION IRELAND COMPANY LIMITED BY GUARANTEE, Behan House, 10 Mount Street Lower, Dublin 2, County Dublin D02HT71, 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 Regulations approved by the Controller for governing the use of this Mark will be open to public inspection at the Intellectual Property Office of Ireland from 29 January 2025.

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



271906 20 November 2024

Class 3. Perfume.  
Class 4. Candles.  
Class 18. Leather handbags.

Cloon Keen Atelier Ltd, Threadneedle Road, Galway H91 WNT7, Ireland. Address for service is c/o Cloon Keen Atelier Ltd, C/O Margaret Mangan, Threadneedle Road, Galway H91 WNT7, Ireland.

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

266763 Artivion, Inc.. Opposition withdrawn 02 January 2025

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

266763 Advertised in Journal No. 2463 dated 11/05/2022  
Specification of goods amended to read:  
Class 5: Cryogenically preserved biological tissue cultures for medical purposes, namely cardiac and vascular tissue; cryogenically preserved biological tissue for implantation, namely, cardiac and vascular tissue; biological adhesives for surgical and clinical use, namely, surgical glue, but not for use as wound treatments and dressings consisting of or containing any of (a) medical grade honey (including manuka honey), (b) propolis, or (c) manuka oil; absorbable hemostats for surgical and clinical use; surgical glue, but not for use as wound treatments and dressings consisting of or containing any of (a) medical grade honey (including manuka honey), (b) propolis, or (c) manuka oil; surgical sealants and dressings, but not for use as wound treatments and dressings consisting of or containing any of (a) medical grade honey (including manuka honey), (b)

propolis, or (c) manuka oil; surgical implants comprised of biological tissue.  
 Class 10: Medical devices, namely aortic and cardiovascular prostheses; cardiac lasers; surgical apparatuses and instruments; surgical implants comprised of artificial materials; prosthetic heart valves; applicators, dispensers, and spreader tips for absorbable hemostats for medical use.  
 Class 40: Pyrolytic carbon coating services for medical devices.  
 Class 41: Educational services, namely, providing training, mentorship, and assistance in the field of medical devices, surgical procedures, clinical trials, and health care; teaching and training services, namely, courses, classes, lessons, and seminars related to the use and operation of medical devices, processing and cryogenic preservation of biological tissue, the resulting processed biological tissues, and health care; educational services, namely, providing classes, seminars, and lectures, all in the field of the diagnosis and treatment of vascular and arterial disorders and abnormalities; education in the nature of classes, seminars, and training in preserved human cardiac and vascular tissues, surgical adhesives and sealants, prosthetic heart valves, cardiac lasers, and other medical devices; providing online non-downloadable medical publications about preserved human cardiac and vascular tissues, surgical adhesives and sealants, prosthetic heart valves, cardiac lasers, and other medical devices via an online searchable database.  
 Class 42: Scientific and technological services and research and design relating to medical devices, processing and cryogenic preservation of biological tissue, and the resulting processed biological tissues.  
 Class 44: Medical services related to processing of biological tissue; medical services related to medical device design; providing online information in the medical field; medical and surgical diagnostic services, namely, medical diagnosis of vascular and arterial disorders and abnormalities.

## Application(s) Withdrawn after Advertisement under the 1996 Act

271347 Breast Cancer Ireland

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

270387 Guy Woods  
 270402 MT Cleaning Contractors Limited  
 270405 Bronagh Leonard  
 270409 Terry Keane  
 270410 Vahid Aria Pour  
 270413 Lorraine Sweeney  
 270433 Educare  
 270435 HINSPO LTD  
 270438 Bodegas Padrote SA  
 270445 Brandon McCarthy  
 270466 James Kenny  
 270472 Rosemary Corcoran  
 270473 Light for the People Ministries  
 270475 Dublin Performing Arts  
 270477 Callum Roche  
 270478 Mark O' Dwyer  
 270479 Eleonore Kellenberger  
 270482 Eugene Garrihy  
 270484 Maria Jose Lopez Sesma  
 270534 vahid Aria Pour  
 270557 Stephen Woods  
 270558 Garavan's Bar  
 270570 Robert Scanlan

## Trade Marks Registered under the 1996 Act

266740 (2463) Cl. 29 30. HUNGERIT ZRT.  
 270449 (2515) Cl. 44. Cardiact Limited  
 270755 (2520) Cl. 18. Mo Mhadra Limited  
 270779 (2520) Cl. 21. Aine Kennedy  
 270849 (2521) Cl. 18 25. Mrs Julia Edgely  
 270875 (2521) Cl. 9 38 41. Mediahuis Ireland Limited  
 270899 (2521) Cl. 18 25. Mrs Julia Edgely  
 270923 (2522) Cl. 9 28 35 41 42. SMRT FOOTBALL LIMITED  
 270953 (2522) Cl. 14 25. Jude Hongla Bahanag Nunga  
 270968 (2522) Cl. 1 31. Openfolde Limited  
 270989 (2522) Cl. 11 44. Chris Mortimer

<b>271018</b>	(2522) Cl. 25. HANGZHOU HANLUO TECHNOLOGY CO.,LTD.	<b>271270</b>	(2525) Cl. 25. Cormac Coffey
<b>271078</b>	(2523) Cl. 5 40. ABATA THERAPEUTICS INC	<b>271271</b>	(2525) Cl. 32. Aldi Stores (Ireland) Limited
<b>271142</b>	(2524) Cl. 43. THE IMPERIAL HOTEL (CORK) LIMITED	<b>271274</b>	(2525) Cl. 30 33 35 43. ManaTea Brewing Co.
<b>271151</b>	(2524) Cl. 43. Rathdrinagh Investments ULC	<b>271283</b>	(2525) Cl. 9 45. Isle Systems
<b>271155</b>	(2524) Cl. 32 33 35 39 42 43. Muhammad Waseem Saeed	<b>271284</b>	(2525) Cl. 3 14 16 18 20 21 24 25 26 28 35. PRIMARK LIMITED
<b>271162</b>	(2524) Cl. 18 25 35. Mrs Julia Edgely	<b>271286</b>	(2525) Cl. 30. Dunhills (Pontefract) Plc
<b>271165</b>	(2524) Cl. 7 8 9 10 11 12 14 15 18 20 21 25 28 35 36 37 38 39 42. Refurbed Marketplace GmbH	<b>271293</b>	(2525) Cl. 29. SEAN LOUGHNANE (GALWAY) LIMITED
<b>271171</b>	(2524) Cl. 7 29 30 35. Nic Ice Limited	<b>271295</b>	(2525) Cl. 16 36 41 44 45. THE IRISH SOCIETY FOR THE PREVENTION OF CRUELTY TO CHILDREN
<b>271173</b>	(2524) Cl. 35 45. Exit Here Limited	<b>271296</b>	(2525) Cl. 16 36 41 44 45. THE IRISH SOCIETY FOR THE PREVENTION OF CRUELTY TO CHILDREN
<b>271177</b>	(2524) Cl. 41 42. Ellen O Shea	<b>271300</b>	(2525) Cl. 9 35. EZ IT Solutions and Services Limited
<b>271183</b>	(2524) Cl. 32. Antarctic Kerryman Supply Co. Ltd.	<b>271301</b>	(2525) Cl. 39. Matthews Coach Hire Ltd
<b>271198</b>	(2524) Cl. 42. Matheus de Carvalho Almeida Gois	<b>271302</b>	(2525) Cl. 25. Gavin Mullins
<b>271202</b>	(2524) Cl. 9 16 35 38 41. Bauer Media Audio Ireland LP	<b>271303</b>	(2525) Cl. 29. IRISH ANGUS CATTLE SOCIETY LIMITED
<b>271214</b>	(2524) Cl. 30. Miaoshida Tea (Yunnan) Co., Ltd.	<b>271308</b>	(2525) Cl. 16 35 36 41. National Treasury Management Agency
<b>271227</b>	(2524) Cl. 33. Aldi Stores (Ireland) Limited	<b>Renewal of Registrations Under Section 48 of the 1996 Act</b>	
<b>271230</b>	(2525) Cl. 42. PABLOSEC SOLUTIONS LTD	<b>47606</b>	Cl. 25. J.D. WILLIAMS & COMPANY LIMITED
<b>271232</b>	(2525) Cl. 11. Derek Butler	<b>76210</b>	Cl. 1, Cl. 4, Cl. 7. Milacron LLC
<b>271233</b>	(2525) Cl. 5. BGP Products Operations GmbH	<b>77502</b>	Cl. 3. S. C. JOHNSON & SON, INC.
<b>271235</b>	(2525) Cl. 38. Mark Sheridan	<b>109860</b>	Cl. 5. Bayer Intellectual Property GmbH
<b>271236</b>	(2525) Cl. 43. McDonald's International Property Company, Ltd.	<b>110411</b>	Cl. 9. NUMATIC INTERNATIONAL LIMITED
<b>271243</b>	(2525) Cl. 3 9 25 35 36 41 42 44 45. Sparkey Me Limited	<b>111005</b>	Cl. 30. Juvela Limited
<b>271247</b>	(2525) Cl. 30. Unilever IP Holdings B.V.	<b>114343</b>	Cl. 30. SOCIETE DES PRODUITS NESTLE S.A.
<b>271248</b>	(2525) Cl. 21. Hydration Labs, Inc. d/b/a BEVI	<b>114344</b>	Cl. 29. SOCIETE DES PRODUITS NESTLE S.A.
<b>271249</b>	(2525) Cl. 18 25. Hanna Hats of Donegal Limited	<b>116062</b>	Cl. 31. SOCIETE DES PRODUITS NESTLE S.A.
<b>271250</b>	(2525) Cl. 18 25. Ganesh Mohan	<b>231080</b>	Cl. 3. CHANEL LIMITED
<b>271251</b>	(2525) Cl. 1. GOULDING SOIL NUTRITION LIMITED	<b>231160</b>	Cl. 36. TUDOR INVESTMENT CORPORATION
<b>271252</b>	(2525) Cl. 9. Async Technologies T/A TireCheck	<b>231256</b>	Cl. 25. THE TJX COMPANIES, INC.
<b>271254</b>	(2525) Cl. 35. EZ Living Furniture ULC	<b>231257</b>	Cl. 25. THE TJX COMPANIES, INC.
<b>271255</b>	(2525) Cl. 35. EZ Living Furniture ULC	<b>231259</b>	Cl. 25. THE TJX COMPANIES, INC.
<b>271256</b>	(2525) Cl. 35. EZ Living Furniture ULC	<b>231281</b>	Cl. 25. THE TJX COMPANIES, INC.
<b>271257</b>	(2525) Cl. 35. EZ Living Furniture ULC	<b>231283</b>	Cl. 25. THE TJX COMPANIES, INC.
<b>271260</b>	(2525) Cl. 42. Deborah Jordan	<b>231490</b>	Cl. 30. ALDI STORES (IRELAND) LIMITED
<b>271263</b>	(2525) Cl. 9 41 42. Pitman Training Group Limited	<b>231624</b>	Cl. 32. THE COCA-COLA COMPANY
<b>271264</b>	(2525) Cl. 38 41. Classic Rock Broadcasting Limited t/a Nova	<b>231627</b>	Cl. 30, Cl. 43. KARL PURDY
<b>271267</b>	(2525) Cl. 39. TEKenable Ltd		

<b>231774</b>	Cl. 4, Cl. 6, Cl. 9, Cl. 20. CALOR GAS LIMITED	<b>253053</b>	Cl. 29. McCain Foods (GB) Limited
<b>231780</b>	Cl. 3, Cl. 5. THE PROCTER & GAMBLE COMPANY	<b>253054</b>	Cl. 29. McCain Foods (GB) Limited
<b>231865</b>	Cl. 7. Copeland LP	<b>253152</b>	Cl. 35, Cl. 39. Tirlán Limited
<b>231980</b>	Cl. 5. Wyeth LLC	<b>253210</b>	Cl. 29. ALDI STORES (IRELAND) LIMITED
<b>232096</b>	Cl. 16, Cl. 41. JOHN MCDONALD	<b>253364</b>	Cl. 5. Solvotrin Therapeutics Limited
<b>232699</b>	Cl. 3. Unilever Global IP Limited	<b>253645</b>	Cl. 32. Aldi Stores (Ireland) Limited
<b>233070</b>	Cl. 6, Cl. 7, Cl. 8, Cl. 9, Cl. 11, Cl. 19, Cl. 20, Cl. 37, Cl. 40, Cl. 41, Cl. 42. Kent Stainless (Wexford) Ltd	<b>253885</b>	Cl. 29, Cl. 30, Cl. 32. Miles-Bramwell Executive Services Limited
<b>233074</b>	Cl. 6, Cl. 7, Cl. 8, Cl. 9, Cl. 11, Cl. 19, Cl. 20, Cl. 37, Cl. 40, Cl. 41, Cl. 42. Kent Stainless (Wexford) Ltd	<b>254276</b>	Cl. 9, Cl. 16, Cl. 20, Cl. 29, Cl. 30, Cl. 32, Cl. 41, Cl. 44. Miles-Bramwell Executive Services Limited
<b>235241</b>	Cl. 20, Cl. 24. CARPENTER CO.	<b>254358</b>	Cl. 35, Cl. 36, Cl. 44. Optum, Inc.
<b>240711</b>	Cl. 9. SONOS, INC.	<b>256029</b>	Cl. 41. Cool Running Events Limited
<b>241640</b>	Cl. 25. I CODE, SOCIÉTÉ PAR ACTIONS SIMPLIFIÉE	<b>257006</b>	Cl. 9, Cl. 16, Cl. 20, Cl. 29, Cl. 30, Cl. 32, Cl. 41, Cl. 44. Miles-Bramwell Executive Services Limited
<b>251986</b>	Cl. 6, Cl. 16, Cl. 18, Cl. 21, Cl. 25, Cl. 28, Cl. 39. An Post		
<b>252175</b>	Cl. 30. Aldi Stores (Ireland) Limited		
<b>252244</b>	Cl. 5. BOEHRINGER INGELHEIM ANIMAL HEALTH FRANCE		
<b>252269</b>	Cl. 16, Cl. 35, Cl. 36, Cl. 39. An Post		
<b>252277</b>	Cl. 3. Chanel Limited		
<b>252278</b>	Cl. 14. Chanel Limited		
<b>252286</b>	Cl. 14, Cl. 18, Cl. 25. Chanel Limited		
<b>252288</b>	Cl. 14. Chanel Limited		
<b>252297</b>	Cl. 9. CareFusion 303, Inc.		
<b>252330</b>	Cl. 28. DAVID BURROWS		
<b>252331</b>	Cl. 28. DAVID BURROWS		
<b>252384</b>	Cl. 41. LEINSTER OPEN SEA		
<b>252459</b>	Cl. 41. Cherrycool Ltd		
<b>252462</b>	Cl. 41. Eamon Redmond		
<b>252654</b>	Cl. 31. SOCIÉTÉ DES PRODUITS NESTLÉ S.A.		
<b>252673</b>	Cl. 7, Cl. 9, Cl. 20. IRISH BEE SUPPLIES		
<b>252723</b>	Cl. 12. Hankook Tire Worldwide Co., Ltd		

### Leave to Alter Trade Mark(s) Registered under the 1996 Act, Granted

**250843** Cl. 44. CLAYMON LABORATORIES LTD T/A BIOMNIS IRELAND

A representation of the mark in its altered form was advertised in Journal No: 2270



### International Registrations under the Madrid Protocol seeking protection in the State.

Any person desiring to oppose the conferring of protection in the State to the undermentioned 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 holder affording him an opportunity to withdraw his application for protection of the International Registration in the State. In this way cost of opposition proceedings may be avoided.



## Millstone Whisky

1256480 19/11/2024

Class 33. Alcoholic beverages (except beers).

Zuidam Distillers BV, Smederijstraat 5, 5111 PT  
BAARLE NASSAU, The Netherlands

Registration of this Trade Mark gives no right to the exclusive use of Millstone.



**A V E N D R A**  
INTERNATIONAL

1807204 22/05/2024

Class 35. Procurement services and online procurement services, namely securing and/or purchasing for others various goods and services in the nature of food, food-related products, food preparation equipment, cleaning and janitorial equipment and supplies, laundry equipment and supplies, furniture and home furnishing products, pool and spa equipment and supplies, beauty salon equipment and supplies, hotel

equipment and supplies, decorative items, engineering products, office equipment and supplies, apparel, electrical and electronic equipment and devices, hardware and software, construction materials, plumbing supplies, landscaping equipment and supplies, sports and fitness equipment and supplies, security equipment, energy, as well as in the nature of engineering, utility, travel, janitorial, maintenance, laundry, financial, insurance, human resources, marketing, advertising, telecommunications, security, administrative and transportation services; business management consulting services.

Class 42. Providing temporary use of on-line non-downloadable software for use in the procurement of goods and services for others, namely, to allow customers and vendors to view customer and vendor information, procurement program information and ordering information.

Priority Date Claimed: 22 May 2024 United Kingdom

Avendra, LLC, 540 Gaither Road, Suite 200,  
Rockville MD 20850, United States of America

Representative: Camille M. Miller, Cozen  
O'Connor, 1650 Market Street,  
Suite 2800, Philadelphia PA  
191013, United States of  
America

Address for  
service: FRKelly, Waterways House,  
Grand Canal Quay, Dublin D02  
PD39, Ireland

## SPEND LESS. BRAND MORE.

1813406 09/07/2024

Class 35. Online ordering and online retail store services featuring promotional products, namely, writing instruments, stationery, drinkware, and bags; online ordering and online retail store services featuring promotional products, namely, gift sets containing one or more of the following, tire gauges, pens, flashlights, notebooks, knives, corkscrews and wine stoppers, sanitary masks for protection against viral infection, or hand-sanitizing preparations; online ordering and online retail store services featuring promotional products, namely, personal protective kits comprised of one or more of the following, sanitary masks for protection against viral infection, hand-sanitizing preparations, sanitary masks made of cloth for protection against viral infections.

National Pen Co. LLC, 12121 Scripps Summit Drive, San Diego CA 92131, United States of America

Representative: Brian P. Gregg McNees  
Wallace & Nurick LLC, 100 Pine Street, Harrisburg PA 17101, United States of America

## NEOPRES

1824489 10/10/2024

Class 5. Pharmaceutical, veterinary and sanitary preparations; dietetic substances for infants and invalids; plasters, materials for dressings; material for stopping teeth, dental wax; disinfectants; preparations for killing weeds and destroying vermin.

LAVIPHARM HELLAS Anonymi Eteria  
Farmakeftika Kallyntika, also trading as  
LAVIPHARM HELLAS AE, Agias Marinas, GR-190 02 Peania, Attiki, Greece

Representative: Law Office Dalamaga-  
Kalogirou, Sina 14, GR-106 72  
Athens, Greece

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# EXVES

## LOUIS VUITTON

1824606 01/10/2024

Class 3. Perfumes; perfumery products; eaux de toilette; eau de Cologne; deodorants [perfumery].

Priority Date Claimed: 01 October 2024 France  
LOUIS VUITTON MALLETIER, 2 rue du Pont Neuf, F-75001 Paris, France

Representative: Madame REGISSER Sophie  
SOCIETE LOUIS VUITTON  
SERVICES, Département de la  
Propriété Intellectuelle, 2 rue  
du Pont Neuf, F-75001 Paris,  
France



1824843 02/07/2024

Class 3. Cleansers for intimate personal hygiene purposes, non-medicated; feminine hygiene cleansing towelettes.

Class 5. Sanitary towels; panty liners; menstruation tampons; pre-moistened medicated cleaning tissue for intimate hygiene personal use.

Toruńskie Zakłady Materiałów Opatrunkowych,  
Spółka Akcyjna, Żółkiewskiego 20/26, PL-87-100  
Toruń, Poland

Colour Claimed: Navy blue, white and black.

Representative: Genowefa Borczykowska,  
Żółkiewskiego 20/26, PL-87-  
100 Toruń, Poland

## Simpro

1825351 09/10/2024

Class 35. Assistance and advice regarding business organisation and management; assistance in management of business activities; assistance, advisory services and consultancy with regard to business planning, business analysis, business management, and business organisation; business consulting services in the field of workflow management services and collaboration management services; business management and enterprise organisation consultancy; business management consulting services in the field of job management and improving business workflows and processes; business management consulting services in the field of business logistics, namely, providing logistics and information in the field of staff scheduling and productivity, inventory tracking, payroll, business metrics, and resource management; business organisation and management consultancy including personnel management; business project management services; compiling and analysing statistics, data and other sources of information

for business purposes; confirming scheduled appointments for others; business project management being estimating contracting work; goods or services price quotations.

Priority Date Claimed: 09 April 2024 Australia  
Acorn Software & Service Management Pty Ltd,  
2404 Logan Rd, Eight Mile Plains QLD 4113,  
Australia

Representative: Acorn Software & Service  
Management Pty Ltd, 2404  
Logan Rd, Eight Mile Plains  
QLD 4113, Australia



**1825624** 04/07/2024

Class 6. Washers of metal; bolts of metal; cotter pins; cramps of metal [crampons]; screws of metal; steel, unwrought or semi-wrought; eye bolts; nuts of metal; posts of metal; metal nuts.

AOZHAN INDUSTRIAL CO., LTD, Zhenzhong Village, Dangwan Town, Xiaoshan District, Hangzhou City, 311221 Zhejiang Province, China

Notings: Transliteration of the mark: AO ZHAN SHI YE. Translation of the mark or of words contained

in the mark: AO means “profound”; ZHAN means “unfold”; SHI means “real” YE means “industry”, the four Chinese characters as a whole has no meaning.

Representative: Hangzhou Xiaoran Trademark Agency Co., Ltd., No. 255 Jincheng Rd, Beigan Street, Xiaoshan District, Hangzhou City, Zhejiang Province, China

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**1826016** 16/05/2024

Class 7. Loading machines; road rollers; graders; excavators; road milling machines; backhoe loaders; bulldozers; scrapers; road construction machines; valves [parts of machines]; bearing for transmission shafts; mixing machines; hoists; bearing [parts of machines]; lifts [other than ski-lifts].

LONKING (FUJIAN) MACHINERY CO., LTD., 1 Lonking Road, Longyan Economic Development Zone, Fujian Province, China

Representative: Fujian South Trademark law Office CO.,LTD, 5/F, Shanhai Dasha, No. 92, Guping Road, Fuzhou City, Fujian Province, China

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## Machinist

1826153 27/05/2024

Class 25. Clothing, namely, trousers, jackets, overcoats, coats, skirts, suits, jerseys, waistcoats, shirts, ready-made leather linings (parts of clothing), T-shirts, sweatshirts, dresses, bermuda shorts, shorts, pajamas, pullovers, jeans, tracksuits, rainwear, beachwear, bathing suits, swimming suits; clothing for sports (for exclusive use for sports), clothing for babies, namely, shirts, pants, coats, dresses; underclothing, namely, boxer shorts, brassieres, briefs, pants; socks; footwear, namely shoes excluding orthopedic shoes, sandals, waterproof boots, walking boots, booties, sporting shoes, slippers; shoe parts namely heelpieces, insoles for footwear, footwear uppers; headgear, namely caps, skull caps, sports caps, hats, berets; gloves (clothing), stockings, belts (clothing), camisoles, sarongs, scarves, neck scarves, shawls, collars, neckties, ties, suspender belts.

Class 35. Advertising, marketing and public relations; organization of exhibitions and trade fairs for commercial or advertising purposes; development of advertising concepts; office functions; secretarial services; arranging newspaper subscriptions for others; compilation of statistics; rental of office machines; systemization of information into computer databases; telephone answering for unavailable

subscribers; business management, business administration and business consultancy; accounting; commercial consultancy services; personnel recruitment, personnel placement, employment agencies, import-export agencies; temporary personnel placement services; auctioneering; the bringing together, for the benefit of others, of a variety of goods, namely, clothing, namely, trousers, jackets, overcoats, coats, skirts, suits, jerseys, waistcoats, shirts, ready-made leather linings (parts of clothing), t-shirts, sweatshirts, dresses, bermuda shorts, shorts, pajamas, pullovers, jeans, tracksuits, rainwear, beachwear, bathing suits, swimming suits, clothing for sports (for exclusive use for sports), clothing for babies, namely, shirts, pants, coats, dresses, underclothing, namely, boxer shorts, brassieres, briefs, pants, socks, footwear, namely shoes excluding orthopedic shoes, sandals, waterproof boots, walking boots, booties, sporting shoes, slippers, shoe parts namely heelpieces, insoles for footwear, footwear uppers, headgear, namely caps, skull caps, sports caps, hats, berets, gloves (clothing), stockings, belts (clothing), camisoles, sarongs, scarves, neck scarves, shawls, collars, neckties, ties, suspender belts enabling customers to conveniently view and purchase those goods, such services may be provided by retail stores, wholesale outlets, by means of electronic media or through mail order catalogues.

MAKİNİST TEKSTİL TURİZM OTOMOTİV  
İNŞAAT SANAYİ DİŞ TİCARET LİMİTED  
ŞİRKETİ, Mehmet Nesih Özmen Mahallesi, Yüksek  
Sokak 6 3, Güngören, İstanbul, Türkiye

Representative: İLKER YADİKAR-YÖNTEM  
PATENT DANIŞMANLIK  
HİZMETLERİ LİMİTED  
ŞİRKETİ, Şirinevler Mah.  
Meriç Sok., Toyak iş merkezi  
3. Kat No:330, Bahçelievler /  
İstanbul, Türkiye

## IONIC

1826175 13/06/2024

Class 9. Door viewers (peepholes); door locks (electric); digital door locks; electronic lock decoders; card readers for magnetic cards; card reading equipment; electronic key cards; encoded key cards; card operated electronic locks; protective masks; gloves for protection against accident or injury; clothing for protection against accident or injury; protective and safety equipment; face protection shields; protective footwear; protective eyewear; parts and fittings for all the aforesaid goods.

Priority Date Claimed: 19 December 2023 United Kingdom

UAP Limited, Orbital 60 Dumers Lane, Bury BL9 9UE, United Kingdom

Representative: Meissner Bolte (UK) Limited,  
4a Top Land Country Business  
Park, Cragg Vale, Hebden  
Bridge, West Yorkshire HX7  
5RW, United Kingdom

## Fauché

1826392 16/09/2024

Class 7. Machine tools; motors and engines (other than for land vehicles); machine couplings and transmission components (other than for land vehicles); agricultural implements other than hand-operated; vending machines; agricultural machines; suction machines for industrial use; woodworking machines; automatic handling machines (manipulators); packaging machines; pumps (machines); electric hand drills; electric screwdrivers; clippers (machines); bulldozers; centrifugal machines; elevators; sewing machines; knitting machines; ironing machines; laundry washing machines; electric kitchen machines; electric knives; sorting machines for industry; saws (machines); industrial robots; printing machines; drilling machines; elevators (lifts).

Class 9. Scientific apparatus and instruments; nautical apparatus and instruments; surveying apparatus and instruments; photographic apparatus and instruments; cinematographic cameras; optical apparatus and instruments; weighing apparatus and instruments; measuring apparatus and instruments; signaling apparatus and instruments;

- checking (monitoring) apparatus and instruments; teaching apparatus and instruments; sound recording apparatus; apparatus for sound transmission; apparatus for sound reproduction; image recording equipment; image transmission apparatus; image reproduction apparatus; digital recording media; mechanisms for coin-operated apparatus; cash registers; calculating machines; downloadable e-wallets; data processing equipment; computers; tablet computers; smartphones; electronic book readers; game software; software (recorded programs); computer peripherals; detectors; electric wires; electric relays; diving suits; diving gloves; diving masks; clothing for protection against accidents, irradiation and fire; protection devices for personal use against accidents; fire extinguishers; spectacles (optics); 3D spectacles; virtual reality headsets; eyewear; spectacle cases; integrated circuit cards [smart cards]; bags adapted for laptops; smart watches; electric batteries; batteries for electronic cigarettes; charging stations for electric vehicles; diagnostic apparatus, not for medical use.
- Class 11. Lighting apparatus; heating apparatus; steam generating apparatus; cooking apparatus; refrigeration apparatus; drying apparatus; water distribution apparatus; sanitary installations; air-conditioning apparatus; air conditioning installations; freezers; electric flashlights; electric coffee machines; cookers (cooking stoves); lighting apparatus for vehicles; heaters for vehicles; air conditioners for vehicles;
- air purification apparatus and machines; water purifying apparatus and machines; sterilizers.
- Class 19. Non-metallic construction materials; non-metallic rigid pipes for building; asphalt, pitch and bitumen; transportable buildings not of metal; monuments not of metal; buildings, not of metal; acoustic panels not of metal; scaffolding, not of metal; building glass; insulating glass (building); concrete; cement; works of art made of stone, concrete or marble; statues of stone, concrete or marble; figurines (statuettes) of stone, concrete or marble; stained-glass windows; timber for construction; manufactured timber.
- Class 35. Advertising; commercial business management; commercial administration; dissemination of advertising material; newspaper subscription services (for third parties); arranging subscriptions to telecommunication services for third parties; business management and organization consultancy; accounting; photocopying services; employment agency services; business management for freelance service providers; computerized file management services; traffic optimization for Internet sites; organization of exhibitions for commercial or advertising purposes; online advertising on a computer network; rental of advertising time on all communication media; publication of advertising texts; rental of advertising space; advice regarding communication (advertising); public relations; advice regarding communication (public

- relations); company audits (commercial analyses); commercial intermediation services.
- Class 37. Construction; providing information with respect to construction; construction consultancy; building construction supervision; masonry; plastering; plumbing; roofing services; insulation services (building); demolition of buildings; rental of construction equipment; cleaning of buildings (interior); cleaning of buildings (exterior surface); window cleaning; vehicle cleaning; vehicle maintenance; vehicle breakdown assistance (repair); disinfection; cleaning of clothing; renovation of clothing; leather care, cleaning and repair; fur care, cleaning and repair; linen ironing; shoe maintenance and repair; retreading of tires; vulcanization of tires (repair); office machine and equipment installation, maintenance and repair; machine installation, maintenance and repair; installation, maintenance and repair of computer hardware; maintenance and repair of timepieces and chronometric instruments; repair of locks; furniture restoration; shipbuilding.
- Class 42. Technical evaluations concerning design (engineers' services); scientific research; technological research; design of computers for third parties; computer development; software design; software development; research and development of new products for third parties; conducting of technical project studies; architecture; design of interior decor; software

development (design); software installation; software maintenance; updating of software; software rental; programming for computers; computer system analysis; computer system design; consultant services with respect to computer hardware design and development; digitization of documents; Software as a Service (SaaS); cloud computing; advice regarding information technology; server hosting; motor vehicle roadworthiness testing; graphic arts design services; styling (industrial design); authentication of works of art; energy auditing; electronic data storage.

Priority Date Claimed: 05 September 2024 France

J.P. FAUCHE INVESTISSEMENTS, 37 avenue  
Léon Gambetta, F-82000 Montauban, France

Representative: Madame BATTAVOINE  
Gaelle AKTYS, 17 rue de  
Metz, F-31000 TOULOUSE,  
France

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## FULLEX

**1826401** 13/06/2024

- Class 6. Articles of metal hardware; locks (metal); latches (metal); keys (metal); metal locksets; padlocks of metal, other than electronic; door furniture and door fittings of metal; door catches of metal; door surrounds and door panels, all being principally made of metal; door chains of metal;



letter boxes of metal; letter-box covers and flaps of metal; letter-plates of metal; window furniture and window fittings of metal; window and door restrictors; metal hinges for windows and doors; door knockers of metal; metal bump keys for locksmithing; metal window locks; metal window fasteners; metal window stops; metal house numbers; metal door handles; metal window handles; safety fittings of metal for windows; metal door viewers (non-magnified); metal child safety fittings for windows and doors; parts and fitting for all the aforesaid goods.

Class 9. Door viewers (peepholes); door locks (electric); digital door locks; electronic lock decoders; card readers for magnetic cards; card reading equipment; electronic key cards; encoded key cards; card operated electronic locks; protective masks; gloves for protection against accident or injury; clothing for protection against accident or injury; protective and safety equipment; face protection shields; protective footwear; protective eyewear; parts and fittings for all the aforesaid goods.

Priority Date Claimed: 05 April 2024 United Kingdom

UAP Limited, Orbital 60 Dumers Lane, Bury BL9 9UE, United Kingdom

Representative: Meissner Bolte (UK) Limited, 4a Top Land Country Business Park, Cragg Vale, Hebden Bridge, West Yorkshire HX7 5RW, United Kingdom

## FIREMONGERY

1826403 13/06/2024

Class 6. Articles of metal hardware; locks (metal); latches (metal); keys (metal); metal locksets; padlocks of metal, other than electronic; door furniture and door fittings of metal; door catches of metal; door surrounds and door panels, all being principally made of metal; door chains of metal; letter boxes of metal; letter-box covers and flaps of metal; letter-plates of metal; window furniture and window fittings of metal; window and door restrictors; metal hinges for windows and doors; door knockers of metal; metal bump keys for locksmithing; metal window locks; metal window fasteners; metal window stops; metal house numbers; metal door handles; metal window handles; safety fittings of metal for windows; metal door viewers (non-magnified); parts and fitting for all the aforesaid goods.

UAP Limited, Orbital 60 Dumers Lane, Bury BL9 9UE, United Kingdom

Representative: Meissner Bolte (UK) Limited, 4a Top Land Country Business Park, Cragg Vale, Hebden Bridge, West Yorkshire HX7 5RW, United Kingdom



1826692 08/10/2024

Class 18. Bags; backpacks; handbags; traveling bags; suitcases [carrying cases]; attaché cases; wheeled shopping bags; net bags for shopping; trunks [luggage]; suitcases; travelling chests (trunks); vanity cases, not fitted; travel sets [leatherware]; garment bags and shoe bags for travel; hat boxes of leather; boxes of leather or leatherboard; wallets; purses (coin purses); card cases [wallets]; business card cases; key cases; address tags for luggage; leather labels; leather laces; shoulder belts of leather or imitation leather; straps of leather or imitation leather; girths of leather; leather and imitations of leather; bags for transporting animals; collars for animals; leashes; clothing for pets; umbrellas; parasols and sunshades; whips; walking sticks; saddlery articles; furniture coverings of leather.

Priority Date Claimed: 11 April 2024 France

LOUIS VUITTON MALLETIER, 2 rue du Pont Neuf, F-75001 Paris, France

Representative: Madame REGISSER Sophie  
SOCIETE LOUIS VUITTON  
SERVICES, Département de la  
Propriété Intellectuelle, 2 rue  
du Pont Neuf, F-75001 Paris,  
France

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

- 1667480** MAW GOLD CASHMERE MAKE AESTHETIC WAVES!  
Cancellation in respect of all goods and services registered at WIPO on 13/12/2024
- 1530734** GG NETWORK  
Goods/Services remaining:  
Class 09.  
Downloadable computer game software via a global computer network and wireless devices; computer game software; video game software; downloadable electronic game software via the internet and wireless devices; downloadable interactive video games; interactive computer game programs; electronic game software for wireless devices; computer game software for use on mobile and cellular phones; computer operating programs, recorded; computer software to maintain and operate computer systems; computer programs for connecting remotely to computers or computer networks; interactive multimedia computer games; downloadable interactive multimedia computer game programs for playing video and computer games; virtual reality game software; downloadable interactive entertainment software for playing computer games; computer software platforms for playing video games; earsets namely, wireless ear buds, ear phones and headphones; video game cartridges for use with electronic game consoles.  
Class 41.  
Providing amusement facilities, namely, game centers, namely video, computer and electronic gaming centers; providing on-line computer games; providing amusement arcade services; electronic games services

provided by means of the internet; provision of information relating to electronic computer games provided via the internet; entertainment services, namely, providing online electronic games: providing video, computer and electronic game services via computer application software.

Class 42.

Design and development of computer game software; maintenance of computer software; up-dating of computer software; rental of computer software; installation of computer software; computer software programming services for others; creation and maintenance of websites for others; software as a service [saas] featuring computer software for video and electronic games; platform as a service [paas] featuring computer software platforms for video and electronic games; development of interactive multimedia computer software; providing access to internet platforms for online contents; design and development of internet security programs.

Date of Recordal of Cancellation:  
22/11/2024

**1620571** COFFEE FOR WELLNESS  
Goods/Services remaining:  
Class 30.

Coffee; coffee beans; roasted coffee beans; coffee pods; coffee capsules, filled; coffee capsules containing coffee for brewing.

Date of Recordal of Cancellation:  
22/11/2024

**1238816** RAFFAELLO PIACERE PURO  
Goods/Services remaining:  
Class 30.

Pastry and confectionery; filled wafers, covered wafers, chocolate and chocolate-based products, pralines, edible ices; coffee-based beverages, cocoa or chocolate-based beverages, tea-based beverages.

Date of Recordal of Cancellation:  
14/11/2024

**1686232** M  
Goods/Services remaining:  
Class 09.

Desktop computers; laptop computers; notebook computers; computer cases; computer chassis; power supplies; central processing unit (CPU) coolers; mouse mats; mouse pads; cooler components for computer hardware, namely, water blocks; game headphones; internal cooling fans for computers; computer keyboards; dynamic random access memory (DRAM); solid state drives; backpacks especially adapted for holding laptops and notebook computers.

Date of Recordal of Cancellation:  
12/12/2024

**1740924** ZENDURA VIVA  
Goods/Services remaining:  
Class 05.

Dental composite materials, namely, thermoplastic materials for fabricating orthodontic aligners and retainers.

Date of Recordal of Cancellation:  
11/12/2024

**0873731** SPEED8 absolute stimulant neurotransmitters brain cells nutrients

Goods/Services remaining:  
Class 05.

Medicated confectionery products and candies; dietetic food preparations containing biological extracts, adapted for medical purposes, especially for use by physically active persons, sportsmen and convalescents; dietetic food preparations for special nutritional needs, adapted for medical purposes; mineral food-supplements; vitamin preparations; dietetic food supplements that help to vitalize the immunity system and invigorate the health, in the form of powdered mixtures, drops, syrups, tablets, effervescent tablets, pastils, coated tablets, capsules, bonbons, jelly and powders, all adapted for medical purposes; diabetic and dietetic beverages adapted for medical purposes; mineral water for medical purposes; mineral water for infants, adapted for medical purposes; dietetic beverages enriched with vitamins and mineral extracts, adapted for medical purposes.

Class 30.

Foodstuffs of plant origin that help to vitalize the immunity system and invigorate the health, in the form of powdered mixtures, drops, syrups, tablets, effervescing tablets, pastils, coated tablets, capsules, bonbons, jelly and powders, all for non-medical purposes; coffee and coffee substitutes; cereal flakes and other grain products for human consumption, muesli; teas. Class 32.

Non-alcoholic beverages, including mineral and aerated waters, isotonic beverages and energy drinks; syrups and other preparations for making beverages; fruit juices, vegetable juices, must, fruit nectars, non-alcoholic fruit juice beverages; table waters, natural spring waters; diabetic and dietetic beverages for non-medical purposes; powders for effervescing beverages, powdered preparations for making non-alcoholic beverages and liqueurs; non-alcoholic aperitifs.  
Date of Recordal of Cancellation:  
12/11/2024

## Changes/Corrections in the International Register

- 1814856** Advertised in Journal No. 2533 on 15 January 2025. Limitation received from the International Bureau:  
Class 25 is deleted.
- 1223858** Advertised in Journal No. 2529 on 20 November 2024. Limitation received from the International Bureau
- 0852240** Advertised as protected in Journal No: 2251 on 26/03/2014.  
Correction of Goods and Services for International Trade Mark No. 0852240 recorded in the International Register on 19/12/2024.  
Class 44 is cancelled.