



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

Iml. 100

Cill Chainnigh 08 October 2025

Uimh. 2552

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The Journal of the Intellectual Property Office of Ireland is published fortnightly.

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Iris um Oifig Maoine Intleachtúla na hÉireann
Journal of the Intellectual Property Office of Ireland
Cuid I
Paitinní agus Dearachtaí

No. 2552**Wednesday, 8 October, 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.

Applications for Patents

From 05/09/2025 to 17/09/2025

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 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.

BRIAIN SMYTH A HYBRID GRID SUPPORT SYSTEM AND METHOD OF OPERATION 17 September 2025	20250399
BYRNE Zero-Trust Agentic Processing of Messages to Transform Embedded URLs into Human-Readable, Verifiable Workflows 17 September 2025	S20250400
CEROFLO LIMITED A stent and a method for dilating a lesion in a vessel 10 September 2025	S20250387
CHRISTOPHER KENNETH MCCAULEY; PAUL MONAHAN PALLET LOAD SECURING MEANS 09 September 2025 [Ireland-21 January 2025]	20250383
CIRO DE SOUZA JURITI Holographic Smartphone with Integrated Triangular Edge Modules for Real-Time Free-Air Projection 16 September 2025	S20250397
CROSS, SIMON Root Crop Cleaner 05 September 2025	20250380
DR MICHAEL J. ELIAS A system for electronic transactions 09 September 2025	S20250384
DROMONE ENGINEERING LIMITED A quick hitch coupler engagement system 15 September 2025 [United Kingdom-16 September 2024]	20250395
ERA HOME SECURITY LIMITED Adjustable hinge 24 June 2021 [United Kingdom-25 June 2020]	20250379
FOOD LABORATORY OF ZHONGYUAN PET FOOD WITH COAT HEALTH BENEFITS, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF 16 September 2025 [China-18 September 2024]	S20250396
GERARD C BUGLER A Car Safety Light System 15 September 2025	S20250392
HUANGHUI UNIVERSITY Two-stage Flue Gas Waste Heat Power Generation System and Method 08 September 2025 [China-21 May 2025]	S20250381
JOSEPH BURKE A Mat for use with animals to inhibit resting or lying down. 11 September 2025	20250389
LUDONG UNIVERSITY A deep learning-based intelligent cow posture recognition method 10 September 2025	S20250388
NANJING UNIVERSITY OF CHINESE MEDICINE A use of a dihydrotanshinone I derivative in the preparation of a medicament for resisting cerebral cavernous malformations 10 September 2025 [China-14 October 2024]	S20250386

NIALL JAMES BYRNE ConsentCoin (MYCC): A Blockchain-Based Digital Validation and Consent Token System 14 September 2025	20250391
PARDU PRODUCTIONS LIMITED TESLA-COMPATIBLE AI-QUASI-BIOFUEL ALTERNATOR (DPQA-700), KEEP EV PURE 08 September 2025 [United Kingdom-06 September 2025]	S20250382
PAUL NOONAN System and Method for Expiry-Driven Waste Reduction and Inventory Optimization 13 September 2025	S20250390
REAP INTERACTIVE LIMITED Animal Performance System 15 September 2025	S20250393
REAP INTERACTIVE LIMITED Livestock Imaging System 15 September 2025	S20250394
SHANGHAI MUNICIPAL ENGINEERING DESIGN INSTITUTE (GROUP) CO., LTD. A SEGMENTAL RING WITH HIGH-LOAD-CAPACITY TOOTH-SHAPED JOINTS FOR SHIELD TUNNELS 05 September 2025	S20250377
SHANGHAI MUNICIPAL ENGINEERING DESIGN INSTITUTE (GROUP) CO., LTD.. A METHOD FOR CONSTRUCTING UPPER AND LOWER SHARED AIR DUCTS IN A DOUBLE-LAYER SHIELD TUNNEL 05 September 2025	S20250378
TERENCE MCFADDEN A Split-Sliding-Jaw Crimping Device Tool 17 September 2025	S20250398
THOMAS CARROLL; GLENN O LEARY Systems and Methods for Planning-Compliance Drawing Generation and Workflow Orchestration 09 September 2025	20250385

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.

2022	S20220170	FIRST AFFILIATED HOSPITAL OF JINZHOU MEDICAL UNIVERSITY; JINZHOU MEDICAL UNIVERSITY, A study method of cerebellar diffusion tensor changes in patients with post-stroke depression. 19 October 2022. Int. Cl. (2025.01) A61B 5/00 .
2023	S20230038	QINGDAO JIMO DISTRICT TRANSPORTATION BUREAU; QINGDAO ACADEMY OF TRANSPORTATION SCIENCES; QINGDAO CHENGYANG DISTRICT MUNICIPAL TRANSPORTATION BUREAU; JIAOZHOU MUNICIPAL TRANSPORTATION BUREAU; QINGDAO MUNICIPAL TRANSPORT BUREAU, COMPOSITE SMART MATERIAL FOR STRAIN SENSOR AND ITS PREPARATION METHOD AND APPLICATION. 22 February 2023. Int. Cl. (2025.01) C08L 63/00; G01N 27/00 .
2023	S20230043	CHILDREN'S HOSPITAL OF SOOCHOW UNIVERSITY, PRESSURIZED KIRSCHNER WIRE. 01 March 2023. Int. Cl. (2025.01) A61B 17/00 .
2023	S20230081	SOUTH CHINA UNIVERSITY OF TECHNOLOGY, Method for Preparing Thallium Salt by Selectively Recovering Thallium from Thallium-containing Sludge. 24 March 2023. Int. Cl. (2025.01) C01G 15/00 .
2023	S20230082	SOUTH CHINA UNIVERSITY OF TECHNOLOGY, METHOD FOR STABILIZING THALLIUM-CONTAINING SLUDGE. 24 March 2023. Int. Cl. (2025.01) C02F 11/00 .
2023	S20230084	YANGTZE UNIVERSITY, SEEDLING RAISING METHOD FOR COTTON SEEDLINGS. 30 March 2023. Int. Cl. (2025.01) A01G 9/00; A01C 1/00 .
2023	S20230085	CHINA UNIVERSITY OF GEOSCIENCES, BEIJING, NEW METHOD FOR LOCATING CONCEALED ORE BODIES BASED ON STABLE ISOTOPE CHARACTERISTICS OF METALS. 30 March 2023. Int. Cl. (2025.01) G01N 23/00; G01N 33/00; G01V 9/00 .
2023	S20230097	SHANGHAI INSTITUTE OF TECHNOLOGY, Composite Color-protecting Antioxidant Coating Liquid for Meat Products, Preparation Method and Application. 12 April 2023. Int. Cl. (2025.01) A23B 4/00; A23L 5/00 .
2023	S20230140	WANG QI; SU LING; LI XUE; WANG JINLING; PAN JINGZHI, INONOTUS OBLIQUUS INTRACELLULAR AND EXTRACELLULAR MIXED POLYSACCHARIDE, PREPARATION METHOD AND

		PHARMACEUTICAL APPLICATION THEREOF. 05 May 2023. Int. Cl. (2025.01) A61K 31/00; A61P 35/00; C12P 19/00.
2023	S20230161	INSTITUTE OF SOIL, FERTILIZER, RESOURCE AND ENVIRONMENT, JIANGXI ACADEMY OF AGRICULTURAL SCIENCES, CHEMICAL CONTROL TOPPING HIGH-YIELD COMPOSITION SUITABLE FOR THE LATER GROWTH STAGE OF SESAME AND APPLICATION THEREOF. 16 May 2023. Int. Cl. (2025.01) A01C 21/00; C05G 3/00.
2023	S20230179	HENAN ACADEMY OF GEOLOGY; HENAN TECHNOLOGY CENTER OF ECOLOGICAL ENVIRONMENT; INSTITUTE OF SUBTROPICAL AGRICULTURE, CHINESE ACADEMY OF SCIENCES, METHOD FOR TREATING PIG WASTEWATER. 23 May 2023. Int. Cl. (2025.01) C02F 11/00; C02F 3/00.
2023	S20230180	BINZHOU MEDICAL UNIVERSITY; YANTAI HONGYUAN BIO-FERTILIZER CO.,LTD., Method for promoting biosynthesis of heme in <i>B. subtilis</i> by modifying ALA. 26 May 2023. Int. Cl. (2025.01) C12N 1/00; C12N 15/00; C12P 17/00.
2023	S20230323	JIANGXI UNIVERSITY OF SCIENCE AND TECHNOLOGY; HUNAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, GAS-LIQUID-SOLID CARBON CAPTURE SYSTEM BASED ON MULTIPLE ABSORPTION PATTERNS. 28 June 2023. Int. Cl. (2025.01) B01D 53/00; B01D 3/00 C01B 32/00.
2023	S20230351	SHAANXI UNIVERSITY OF SCIENCE & TECHNOLOGY; ZHEJIANG ZHONGMENGCHANG HEALTHY TECHNOLOGY CO., LTD., PROBIOTIC GOAT MILK POWDER CONTAINING BIOACTIVE PEPTIDES AND PREPARATION METHOD THEREOF. 28 August 2023. Int. Cl. (2025.01) A23C 9/00.
2023	S20230424	HUATING COAL GROUP CO.,LTD.; BEIJING WINDOW TECHNOLOGY CO., LTD., GROUNDWATER DYNAMIC MONITORING DEVICE FOR MINE. 14 October 2023. Int. Cl. (2025.01) B66D 1/00; E21F 17/00; G01F 23/00.
2023	S20230457	UNIVERSITY OF JINAN; SHANDONG UNIVERSITY, A high modulus asphalt binder and its preparation method. 30 October 2023. Int. Cl. (2025.01) C08L 19/00; C08L 23/00; C08L 53/00; C08L 91/00; C08L 95/00; E01C 7/00.
2023	S20230460	IAIAI TECHNOLOGIES LIMITED, A METHOD OF, AND A SYSTEM FOR, OPTIMIZING COPYRIGHT PROTECTION WITHIN A

		GENERATIVE ARTIFICIAL INTELLIGENCE (AI) SYSTEM. 01 November 2023. Int. Cl. (2025.01) G06F 21/00; G06N 20/00.
2023	S20230462	IAIAI TECHNOLOGIES LIMITED, A METHOD OF, AND A SYSTEM FOR, GENERATING AN AUDIO OUTPUT FILE VIA A COMPUTER SYSTEM. 01 November 2023. Int. Cl. (2025.01) G10H 1/00.
2023	S20230492	NORTHWESTERN POLYTECHNICAL UNIVERSITY; RESEARCH & DEVELOPMENT INSTITUTE OF NORTHWESTERN POLYTECHNICAL UNIVERSITY IN SHENZHEN, FLOW COEFFICIENT CORRECTION METHOD FOR PARALLEL FLOW METER GROUP. 21 November 2023. Int. Cl. (2025.01) G01F 25/00.
2023	S20230493	HUNAN NORMAL UNIVERSITY, A method for pricing second-hand goods, as well as a device, electronic equipment, and storage media. 21 November 2023. Int. Cl. (2025.01) G06N 20/00; G06N 3/00; G06Q 10/00; G06Q 30/00.
2023	S20230523	HUNAN UNIVERSITY OF SCIENCE AND ENGINEERING; SHANGHAI LIDA UNIVERSITY, A visual classification system for campus security monitoring. 04 December 2023. Int. Cl. (2025.01) G06V 10/00; G06V 20/00.
2023	20230526	SRF LIMITED, An apparatus for spreading slurry and a Boom Assembly Therefor. 12 December 2022. Int. Cl. (2025.01) A01B 73/00; A01C 23/00; B60P 3/00.
2023	S20230528	NANJING UNIVERSITY OF INFORMATION SCIENCE & TECHNOLOGY; NATIONAL DISASTER REDUCTION CENTER OF CHINA, MINISTRY OF EMERGENCY MANAGEMENT, METHOD FOR FLOOD IDENTIFICATION BASED ON SEMI-SUPERVISED CHANGE DETECTION. 07 December 2023. Int. Cl. (2025.01) G06N 3/00; G06V 10/00; G06V 20/00.
2023	S20230529	INSTITUTE OF ATMOSPHERIC PHYSICS, CHINESE ACADEMY OF SCIENCES; NANJING DERUICORE TECHNOLOGY CO., LTD.; NANJING NRIET INDUSTRIAL CO., LTD., Multilevel broadband DBF processing method. 08 December 2023. Int. Cl. (2025.01) G01S 7/00.
2023	S20230547	GANNAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, A method for preparing modified magnetic doping materials and its utilization in recovering rare earth elements from wastewater in ion-adsorption rare earth ores. 17 December 2023. Int. Cl. (2025.01) B01J 20/00; C02F 1/00; C22B 59/00; C22B 7/00.
2023	S20230553	XI'AN UNIVERSITY OF POSTS&TELECOMMUNICATIONS; CHANG'AN UNIVERSITY, A spatial resolution enhancement method for

		hyperspectral image based on spatial-spectral feature fusion. 19 December 2023. Int. Cl. (2025.01) G06N 3/00; G06T 5/00.
2023	S20230565	XINJIANG INSTITUTE OF ENGINEERING; NORTH CHINA ELECTRIC POWER UNIVERSITY (BAODING); STATE GRID XINJIANG ELECTRIC POWER CO., LTD. ECONOMIC AND TECHNICAL RESEARCH INSTITUTE, OPTIMIZATION METHOD FOR PHOTOVOLTAIC POWER STATION UNIT COMMITMENT CONTAINED WITH ENERGY STORAGE BASED ON MULTI-SCENARIO ANALYSIS. 20 December 2023. Int. Cl. (2025.01) G06Q 10/00; G06Q 50/00; H02J 3/00.
2023	S20230590	GUIZHOU MEDICAL UNIVERSITY, A field test plot setter. 31 December 2023. Int. Cl. (2025.01) G01B 5/00.
2023	S20230592	ZHAOQING UNIVERSITY; CHINA MOBILEGROUP GUANGDONG CO.LTD ZHAOGING BRANCH (DUANZHOU); CHEN RONGRONG; GUO HUIMIAO; CHEN YINGJUN; LIANG ZHANHONG; HE SHENGLIN, CROSS-CHANNEL VOICEPRINT RECOGNITION METHOD, DEVICE, EQUIPMENT AND STORAGE MEDIUM. 27 April 2023. Int. Cl. (2025.01) G10L 17/00; G10L 25/00.
2024	S20240001	WUYI UNIVERSITY; NANPING CONSTRUCTION GROUP XINDA SUPPLY CHAIN CO., LTD, A perforation apparatus for a through-hole permeable pavement. 01 January 2024. Int. Cl. (2025.01) B23B 39/00; E21B 7/00.
2024	S20240002	NORTH CHINA ELECTRIC POWER UNIVERSITY, An electrochemical oxygen pump designed to regulate the oxygen concentration in liquid lead-bismuth alloys. 01 January 2024. Int. Cl. (2025.01) G01N 27/00.
2024	S20240005	SHANGHAI UNIVERSITY OF TRADITIONAL CHINESE MEDICINE, The preparation of a cholesterol-free liposome loading with Venenum Bufonis extract and its application. 03 January 2024. Int. Cl. (2025.01) A61K 31/00; A61K 35/00; A61K 9/00; A61P 29/00; A61P 35/00.
2024	S20240006	YUNNAN GEOLOGICAL ENGINEERING SECOND SURVEY INSTITUTE CO. LTD, A device for rapid removal of the scale and mud of the drill pipe for drilling with a diamond rope coring. 03 January 2024. Int. Cl. (2025.01) E21B 12/00; E21B 17/00; E21B 25/00.
2024	S20240008	SHENZHEN SECOND PEOPLE'S HOSPITAL, A bio-inspired intelligent traditional Chinese medicine acupoint moxibustion and massage robot. 03 January 2024. Int. Cl. (2025.01) A61H 39/00.

2024	S20240009	SHENZHEN SECOND PEOPLE'S HOSPITAL, A minimally invasive surgical robot equipped with a pre-bent tube. 03 January 2024. Int. Cl. (2025.01) A61B 34/00 .
2024	S20240012	NORTH CHINA ELECTRIC POWER UNIVERSITY; BEIJING POWER EXCHANGE CENTER CO., LTD, A standard retail package comparison method and system aimed at small and medium-sized users. 03 January 2024. Int. Cl. (2025.01) G06F 16/00; G06F 18/00; G06N 5/00; G06Q 30/00 .
2024	S20240023	TAIYUAN UNIVERSITY OF SCIENCE AND TECHNOLOGY; TAIYUAN UNIVERSITY OF TECHNOLOGY, A serpentiform microchannel electrolytic device suitable for multiphase flow and a method for hydrogen production utilizing this electrolytic device. 10 January 2024. Int. Cl. (2025.01) C25B 1/00; C25B 11/00; C25B 15/00; C25B 9/00 .
2024	S20240025	BRANCH OF ANIMAL HUSBANDRY AND VETERINARY OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, A food-medicine homologous fungi fermented traditional Chinese medicine feed additive and its preparation method. 10 January 2024. Int. Cl. (2025.01) A23K 10/00; A23K 20/00; A23K 50/00 .
2024	S20240041	XIANYANG RUNYUAN BIOTECHNOLOGY CO., LTD; XINGYOU WU; CHUNFENG WU, A composite microbial agent for treating waste vegetable leaves and its application. 18 January 2024. Int. Cl. (2025.01) C05F 17/00; C05G 1/00; C05G 5/00; C12N 1/00 .
2024	S20240051	ZHEJIANG CHINESE MEDICAL UNIVERSITY, A stroke hand function rehabilitation piano keyboard trainer. 22 January 2024. Int. Cl. (2025.01) A63B 21/00; A63B 23/00; A63B 24/00; A63B 71/00; F21V 33/00; G10C 3/00 .
2024	S20240054	YANGZHOU UNIVERSITY, A multi-epitope antigen, vaccine, preparation method, and application for piglet diarrhea. 22 January 2024. Int. Cl. (2025.01) A61K 39/00; A61P 31/00; C07K 19/00; C12N 15/00 .
2024	S20240099	CHONGQING JIAOTONG UNIVERSITY, A prefabricated UHPC (Ultra-High Performance Concrete) plate arch bridge with a steel pipe reinforced concrete rigid frame. 29 January 2024. Int. Cl. (2025.01) E01D 4/00 .
2024	S20240130	ZHEJIANG UNIVERSITY, FUNCTIONALLY-MODIFIED FLUORESCENT CARBON DOT AND PREPARATION METHOD AND APPLICATION THEREOF. 14 March 2024. Int. Cl. (2025.01) C09K 11/00; G01N 21/00 .

2024	S20240131	INNER MONGOLIA UNIVERSITY OF TECHNOLOGY, ABRASIVE PARTICLE POLISHING APPARATUS. 14 March 2024. Int. Cl. (2025.01) B24B 29/00; B24B 41/00.
2024	S20240180	SHANGHAI LANWEISAIER BIOTECHNOLOGY CO., LTD, COMPLEX FOR PROMOTING REGENERATION OF MESODERM-DERIVED CELL TISSUES, PREPARATION METHOD AND APPLICATION. 08 April 2024. Int. Cl. (2025.01) A61L 27/00.
2024	S20240392	SU QIANG, HOOK MOUNTING STRUCTURE SUITABLE FOR PHOTOVOLTAIC ROOF. 12 March 2024. Int. Cl. (2025.01) E04D 1/00; E04D 13/00; H02S 20/00 F24S 25/00.
2024	S20240449	CHINA RAILWAY SEVENTH GROUP CO.,LTD.; WUHAN ENGINEERING CO., LTD OF CHINA RAILWAY SEVENTH GROUP, A Construction Method for Excavation of Small-spacing Tunnels. 01 March 2024. Int. Cl. (2025.01) E21D 11/00; E21D 20/00; E21D 9/00.
2024	S20240539	LI MIN, Full-motion electronic handwheel. 15 September 2023. Int. Cl. (2025.01) G05B 19/00; G05G 1/00; H01H 13/00.
2024	S20240543	NORTH UNIVERSITY OF CHINA, MULTI-APERTURE PURE VISION OPTICAL FLOW VELOCITY MEASUREMENT METHOD FOR UNMANNED AERIAL VEHICLE. 16 October 2023. Int. Cl. (2025.01) G01C 11/00; G01C 3/00; G01P 3/00; G06T 7/00.
2024	S20240544	NORTH UNIVERSITY OF CHINA, MICRO UNMANNED AERIAL VEHICLE DETECTION METHOD BASED ON FREQUENCY DOMAIN AND TIME DOMAIN FEATURE FUSION. 19 October 2023. Int. Cl. (2025.01) G01V 1/00; G06N 3/00; G10L 25/00.
2024	S20240607	SICHUAN UNIVERSITY; HANGZHOU XIHU BIOLOGY MATERIAL CO., LTD, FISH-SHAPED SELF-LIGATING BRACKET. 17 October 2023. Int. Cl. (2025.01) A61C 7/00.
2024	S20240681	PATRICK LANIGAN, A DRIVER ADVANCE WARNING SYSTEM. 15 December 2023. Int. Cl. (2025.01) B60Q 1/00; B60Q 7/00.
2025	S20250031	DARADH TONER, Wasp Management System. 21 January 2024. Int. Cl. (2025.01) A01K 47/00; A01K 53/00.
2021	20250379	ERA HOME SECURITY LIMITED, Adjustable hinge. 25 June 2020. Int. Cl. (2025.01) E05D 7/00.

Evidence of Novelty Published Under Section 30 (3)

The following Evidence of Novelty became open to public inspection as from the date of this issue of the journal.

2021	20210173	NORCROS GROUP (HOLDINGS) LIMITED, A water heater. 07 October 2020. Int. Cl. (2025.01) G05D 23/00 .
2023	20230600	VICORE PHARMA AB; ALEX THERA-PEUTICS AB, A METHOD OF TREATING A PATIENT DIAGNOSED WITH AN INTERSTITIAL LUNG DISEASE. 22 December 2022. Int. Cl. (2025.01) G16H 20/00; A61K 31/00 .

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.

- S87664** GROUNDWATER DYNAMIC MONITORING DEVICE FOR MINE. Int. Cl. (2025.01) **B66D 1/00; E21F 17/00; G01F 23/00**. HUATING COAL GROUP CO.,LTD.; BEIJING WINDOW TECHNOLOGY CO., LTD. 14 October 2023 (S20230424)
- S87665** Computer-implemented method for building a skill graph. Int. Cl. (2025.01) **G06Q 10/00; G06N 5/00; G06F 16/00**. COBRAINER GMBH 04/09/2024 {11/08/2023 S2023/0333}(S20240533)
- S87666** METHOD FOR REDUCING GREASE CONTENT IN FRIED FOOD BY CHITOSAN EDIBLE COATING. Int. Cl. (2025.01) **A23P 20/00**. HEILONGJIANG BEIYU FISHERIES GROUP CO., LTD; KANG ZHIYONG; WU XIAODAN; WANG YING; XIA XIUFANG; LI YING; CHANG LIXIN; GUO CHANG; ZHANG HAO; LOU XINJIANG 16 January 2024 (S20240034)
- S87667** CROSS-CHANNEL VOICEPRINT RECOGNITION METHOD, DEVICE, EQUIPMENT AND STORAGE MEDIUM. Int. Cl. (2025.01) **G10L 17/00; G10L 25/00**. ZHAOQING UNIVERSITY; CHINA MOBILEGROUP GUANGDONG CO.LTD ZHAOGING BRANCH (DUANZHOU); CHEN RONGRONG; GUO HUIMIAO; CHEN YINGJUN; LIANG ZHANHONG; HE SHENGLIN 29 December 2023 (S20230592) [China-27 April 2023]
- S87668** HOOK MOUNTING STRUCTURE SUITABLE FOR PHOTOVOLTAIC ROOF. Int. Cl. (2025.01) **E04D 1/00; E04D 13/00; H02S 20/00** SU QIANG 28 June 2024 (S20240392) [China-12 March 2024]
- S87669** PROBIOTIC GOAT MILK POWDER CONTAINING BIOACTIVE PEPTIDES AND PREPARATION METHOD THEREOF. Int. Cl. (2025.01) **A23C 9/00**. SHAANXI UNIVERSITY OF SCIENCE & TECHNOLOGY; ZHEJIANG ZHONGMENGCHANG HEALTHY TECHNOLOGY CO., LTD. 28 August 2023 (S20230351)
- S87670** GAS-LIQUID-SOLID CARBON CAPTURE SYSTEM BASED ON MULTIPLE ABSORPTION PATTERNS. Int. Cl. (2025.01) **B01D 53/00; B01D 3/00** JIANGXI UNIVERSITY OF SCIENCE AND TECHNOLOGY; HUNAN UNIVERSITY OF SCIENCE AND TECHNOLOGY 10 August 2023 (S20230323) [China-28 June 2023]
- S87671** A DRIVER ADVANCE WARNING SYSTEM. Int. Cl. (2025.01) **B60Q 1/00; B60Q 7/00**. PATRICK LANIGAN 11 November 2024 (S20240681) [Ireland-15 December 2023]
- S87672** MULTI-APERTURE PURE VISION OPTICAL FLOW VELOCITY MEASUREMENT METHOD FOR UNMANNED AERIAL VEHICLE. Int. Cl. (2025.01) **G01C 11/00; G01C 3/00; G01P 3/00; G06T 7/00**. NORTH UNIVERSITY OF CHINA 05 September 2024 (S20240543) [China-16 October 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. 35/25, dated 2025-08-27

4008210	NIKE Innovate C.V.	09/11/2017	4008210	22152204.8	
4019978	Illumina Inc	21/12/2017	4019978	22151204.9	
4023304	Kao Corporation	09/04/2018	4023304	22157024.5	
4027223	Google LLC	17/09/2009	4027223	22159488.0	
4030101	ERLUS AKTIENGESELLSCHAFT	25/11/2020	4030101	22160497.8	German
4030627	Samsung Electronics Co., Ltd.	19/01/2022	4030627	22152329.3	
4030848	Apple Inc.	11/01/2022	4030848	22150979.7	
4036012	B/E Aerospace Inc.	02/02/2022	4036012	22154820.9	
4039891	KOBELCO CONSTRUCTION MACHINERY CO., LTD.	18/01/2022	4039891	22152029.9	
4040605	CHENGDU RELIANCE ELECTRIC CO., LTD .	15/10/2021	4040605	21870529.1	
4044025	Cummins, Inc.	26/09/2017	4044025	22152434.1	
4044775	Ricoh Company, Ltd.	18/01/2022	4044775	22151930.9	
4046987	Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)	05/12/2018	4046987	22150956.5	
4047331	ISHIDA CO., Ltd.	07/02/2022	4047331	22155503.0	
4052844	Neptun S.r.l.	04/03/2022	4052844	22160302.0	
4053379	RTX Corporation	03/03/2022	4053379	22160031.5	
4054215	Malikie Innovations Limited	21/10/2009	4054215	22166500.3	
4054282	Nokia Solutions and Networks Oy	09/02/2022	4054282	22155756.4	
4054285	AirTies Belgium SPRL	11/12/2017	4054285	22160085.1	
4056213	Jabil Circuit (Shanghai) Ltd.	07/03/2022	4056213	22160514.0	
4056328	CNH Industrial Italia S.p.A.	10/03/2022	4056328	22161475.3	
4056528	Murata Manufacturing Co., Ltd.	16/02/2022	4056528	22157044.3	
4056767	Uponor Innovation AB	23/02/2022	4056767	22158258.8	German
4060451	SmarAct Holding GmbH	15/03/2022	4060451	22162256.6	
4060655	YAMAHA CORPORATION	18/03/2022	4060655	22162892.8	
4060827	Siemens Energy Global GmbH & Co. KG	15/03/2022	4060827	22162028.9	
4062196	Tencent America LLC	28/06/2021	4062196	21892498.3	
4063038	Rifeng Technology Co., Ltd. Rifeng Enterprise (Foshan) Co., Ltd. Rifeng Enterprise Group Co., Ltd.	19/04/2021	4063038	21890535.4	
4063256	The Boeing Company	04/03/2022	4063256	22160284.0	
4063843	JEOL Ltd.	15/03/2022	4063843	22162214.5	
4064060	Intel Corporation	26/01/2022	4064060	22153442.3	
4064282	Beijing Baidu Netcom Science and Technology Co., Ltd.	28/07/2022	4064282	22187478.7	
4064653	Apple Inc.	11/06/2013	4064653	22173298.5	
4067080	Acoustics & Noisereduction B.V.	23/03/2022	4067080	22163863.8	
4068009	Bundesdruckerei GmbH	31/03/2022	4068009	22166045.9	German
4068530	MD ELEKTRONIK GmbH	07/03/2022	4068530	22160436.6	German
4071712	Trigo Vision Ltd.	19/11/2020	4071712	22176161.2	
4071799	MediaTek Inc.	31/03/2022	4071799	22165924.6	
4071835	Gallium Enterprises Pty Ltd	06/11/2018	4071835	22175754.5	
4072039	The Boeing Company	05/04/2022	4072039	22166691.0	
4074299	Gretap AG	18/01/2011	4074299	22177954.9	German

4075194	Korea Electronics Technology Institute	28/03/2022	4075194	22164601.1	
4075636	Honor Device Co., Ltd.	03/09/2021	4075636	21884715.0	
4079247	Globus Medical, Inc	19/04/2022	4079247	22168773.4	
4079363	ResMed Pty Ltd	14/03/2014	4079363	22177451.6	
4079679	Murata Manufacturing Co., Ltd.	24/02/2022	4079679	22158484.0	
4080190	Kidde Technologies, Inc.	22/03/2022	4080190	22163540.2	
4080467	Arlo Technologies, Inc.	22/04/2022	4080467	22169483.9	
4080782	NXP USA, Inc.	15/04/2022	4080782	22168653.8	
4086186	dy-pack Verpackungen Gustav Dyckerhoff GmbH	28/03/2022	4086186	22164783.7	German
4086199	Samsung SDS Co., Ltd.	05/05/2022	4086199	22171724.2	
4087148	Capital One Services, LLC	19/02/2019	4087148	22159450.0	
4087217	Cujo LLC	05/05/2022	4087217	22171734.1	
4088682	Globus Medical, Inc.	10/05/2022	4088682	22172566.6	
4088934	Heidelberger Druckmaschinen AG	20/03/2020	4088934	22178062.0	German
4088985	Beger, Oliver	06/05/2022	4088985	22171988.3	German
4089384	CANON KABUSHIKI KAISHA	27/04/2022	4089384	22170238.4	
4091976	Murata Machinery, Ltd.	13/04/2022	4091976	22168177.8	
4092035	Lg Chem, Ltd.	19/07/2021	4092035	21861882.5	
4092323	Ulrich Brunner Ofen- und Heiztechnik Gesellschaft für Guß- und Stahlkonstruktionen mbH	05/05/2022	4092323	22171716.8	German
4092776	LG Energy Solution, Ltd.	09/07/2021	4092776	21843541.0	
4092829	NXP USA, Inc.	21/04/2022	4092829	22169187.6	
4094469	Apple Inc.	06/04/2021	4094469	21873701.3	
4094633	Malu GmbH	30/05/2022	4094633	22176242.0	German
4094745	Gretap AG	18/01/2011	4094745	22177955.6	German
4095185	Lg Chem, Ltd.	26/07/2021	4095185	21851405.7	
4095387	Pfeiffer Vacuum GmbH	29/09/2020	4095387	22199874.3	German
4095585	TOYOTA JIDOSHA KABUSHIKI KAISHA	23/03/2022	4095585	22163861.2	
4096114	Ruckus IP Holdings LLC	14/02/2018	4096114	22186274.1	
4098523	MAZDA MOTOR CORPORATION	16/05/2022	4098523	22173490.8	
4098573	Van Genechten Packaging N.V.	31/05/2022	4098573	22176513.4	German
4098942	Hustache, François	25/05/2022	4098942	22175355.1	French
4099764	Huawei Technologies Co., Ltd.	24/03/2017	4099764	22171125.2	
4101274	Amazonen-Werke H. Dreyer SE & Co. KG	24/05/2022	4101274	22401010.8	German
4101511	Dräger Safety AG & Co. KGaA	04/11/2015	4101511	22188057.8	German
4101568	JTEKT CORPORATION	29/03/2022	4101568	22164969.2	
4102472	Goodrich Corporation	07/06/2022	4102472	22177483.9	
4102605	LG Energy Solution, Ltd.	08/07/2021	4102605	21872678.4	
4102725	MediaTek Inc.	04/04/2022	4102725	22166558.1	
4102884	Apple Inc.	07/06/2022	4102884	22177622.2	
4105577	Beko Europe Management S.r.l.	04/05/2022	4105577	22171697.0	
4106319	JVCKENWOOD Corporation	07/06/2021	4106319	21842359.8	
4109277	L & T Technology Services Limited	15/03/2022	4109277	22162311.9	
4109279	Samsung Electronics Co., Ltd.	20/06/2022	4109279	22179795.4	
4109375	Google LLC	29/09/2017	4109375	22190358.6	
4109531	Intel Corporation	24/03/2022	4109531	22164177.2	
4109854	Cornelis Networks, Inc.	13/06/2022	4109854	22178587.6	
4112025	GDM S.P.A.	22/06/2022	4112025	22180480.0	
4112228	Panasonic Intellectual Property Management Co., Ltd.	22/06/2022	4112228	22180283.8	
4112744	The Regents of the University of California	03/02/2016	4112744	22190412.1	
4112923	Wobben Properties GmbH	26/09/2019	4112923	22184962.3	German
4113224	Asco Power Technologies, L.P.	15/06/2022	4113224	22179226.0	
4113479	Hyundai Mobis Co., Ltd.	21/03/2022	4113479	22163333.2	
4113500	Samsung Display Co., Ltd.	01/07/2022	4113500	22182448.5	
	IUCF-HYU (Industry-University Cooperation Foundation Hanyang University)				
4113885	Samsung Electronics Co., Ltd.	06/05/2022	4113885	22172023.8	

4115788	Winterhalter Product & Technology GmbH	05/07/2022	4115788	22182969.0	German
4115860	Knix Wear Inc.	13/06/2022	4115860	22178591.8	
4115912	B/E Aerospace, Inc.	06/07/2022	4115912	22183430.2	
4116352	Tomapaint S.r.l.	04/07/2022	4116352	22182831.2	
4116589	PRATT & WHITNEY CANADA CORP.	07/07/2022	4116589	22183694.3	
4116926	Vieworks Co., Ltd.	01/07/2022	4116926	22182608.4	
4119057	GE Precision Healthcare LLC	04/07/2022	4119057	22182922.9	
4120063	Sony Interactive Entertainment Inc.	05/07/2022	4120063	22183151.4	
4120420	LG Energy Solution, Ltd.	06/01/2022	4120420	22736852.9	
4120602	Acer Incorporated	29/06/2022	4120602	22181795.0	
4123202	Hamilton Sundstrand Corporation	22/07/2022	4123202	22186566.0	
4123237	Carrier Corporation	12/07/2022	4123237	22184525.8	
4124318	Siemens Healthineers Endovascular Robotics, Inc.	27/07/2022	4124318	22187207.0	
4124921	RTX Corporation	22/07/2022	4124921	22186481.2	
4129843	Michael Hörauf Maschinenfabrik GmbH u. Co. KG	28/07/2022	4129843	22187385.4	German
4130394	Liebherr-France SAS	15/07/2022	4130394	22185087.8	German
4130730	Life Technologies Corporation	04/06/2014	4130730	22167438.5	
4130999	Intel Corporation	14/03/2018	4130999	22192836.9	
4131236	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	07/02/2021	4131236	21923818.5	
4131531	LG Energy Solution, Ltd.	05/07/2021	4131531	21838705.8	
4131589	LG Energy Solution, Ltd.	27/10/2021	4131589	21886779.4	
4137829	LG Energy Solution, Ltd.	23/07/2021	4137829	21845332.2	
4138455	Huawei Technologies Co., Ltd.	22/06/2016	4138455	22166856.9	
4142229	Samsung Display Co., Ltd.	30/08/2022	4142229	22192955.7	
4145667	LG Energy Solution, Ltd.	21/07/2021	4145667	21846966.6	
4147679	Warsaw Orthopedic, Inc.	08/09/2022	4147679	22194571.0	
4147841	DIEFFENBACHER GMBH Maschinen- und Anlagenbau	09/09/2022	4147841	22194908.4	German
4147874	Hewlett-Packard Development Company, L.P.	31/01/2017	4147874	22205198.9	
4148203	ZARGES GmbH	26/07/2022	4148203	22186954.8	German
4148496	Hanwha Vision Co., Ltd.	03/05/2022	4148496	22171298.7	
4149008	INTEL Corporation	02/08/2022	4149008	22188197.2	
4149637	Sayfa R&D Pty Ltd	27/07/2022	4149637	22818175.6	
4150707	Huawei Technologies Co., Ltd.	09/10/2021	4150707	21877028.7	
4151150	Abbott Diabetes Care Inc.	30/03/2015	4151150	22178180.0	
4151259	Fisher & Paykel Healthcare Limited	17/07/2014	4151259	22195457.1	
4151317	Aptar Radolfzell GmbH	06/05/2019	4151317	22205622.8	German
4151474	TOYOTA JIDOSHA KABUSHIKI KAISHA	15/09/2022	4151474	22195977.8	
4151484	ADVICS CO., LTD. TOYOTA JIDOSHA KABUSHIKI KAISHA	04/08/2022	4151484	22188699.7	
4151975	DSG-Canusa GmbH	20/09/2022	4151975	22196737.5	German
4152080	Etnia Eyewear Culture, S.L.	19/09/2022	4152080	22382863.3	
4152130	Samsung Display Co., Ltd.	14/09/2022	4152130	22195487.8	
4152497	LG Energy Solution, Ltd.	28/10/2021	4152497	21886870.1	
4152535	WESCO Equity Corporation	08/09/2022	4152535	22194727.8	
4154882	Prilenia Neurotherapeutics Ltd.	13/08/2018	4154882	22205384.5	
4155372	Amorepacific Corporation	06/09/2022	4155372	22194181.8	
4155863	Samsung Electronics Co., Ltd.	25/05/2021	4155863	21843084.1	
4156615	Telefonaktiebolaget LM Ericsson (publ)	31/01/2013	4156615	22194744.3	
4156669	Canon Kabushiki Kaisha	08/06/2022	4156669	22177806.1	
4159333	The Procter & Gamble Company	23/09/2022	4159333	22197273.0	
4160191	Zhang, Huimin	01/06/2021	4160191	21920102.7	
4160758	Maxell, Ltd.	09/07/2021	4160758	21838005.3	
4160797	LG Energy Solution, Ltd.	20/07/2021	4160797	21847094.6	
4162622	Samsung Electronics Co., Ltd.	06/07/2021	4162622	21837617.6	

4163513	CNH Industrial Italia S.p.A.	05/10/2022	4163513	22199906.3	French
4164043	LG Energy Solution, Ltd.	02/06/2022	4164043	22816481.0	
4164231	Maxell, Ltd.	27/01/2016	4164231	22207206.8	
4164300	Huawei Technologies Co., Ltd.	12/12/2016	4164300	22194438.2	
4166016	Gaiatrend, Sarl	11/10/2022	4166016	22200979.7	
4166280	Panasonic Intellectual Property Management Co., Ltd.	31/08/2022	4166280	22193161.1	
4166491	Suzuken Kogyo Co., Ltd.	09/06/2021	4166491	21944449.4	
4166624	AGC INC.	20/01/2015	4166624	22212547.8	
4167184	Shanghai United Imaging Healthcare Co., Ltd.	13/10/2022	4167184	22201470.6	
4170111	Max Co., Ltd.	17/10/2022	4170111	22201919.2	
4170599	Lemon Inc.	23/08/2021	4170599	21867239.2	German
4170972	HUAWEI TECHNOLOGIES CO., LTD.	22/03/2021	4170972	21841577.6	
4173964	KAWASAKI JUKOGYO KABUSHIKI KAISHA	13/07/2021	4173964	21841976.0	
	The University of Tokyo				
4174386	LG Electronics Inc.	17/10/2022	4174386	22201823.6	
4174398	Aspen Pumps Italia s.r.l.	24/10/2022	4174398	22203375.5	
4174399	Aspen Pumps Italia s.r.l.	25/10/2022	4174399	22203607.1	
4174557	FUJIFILM Corporation	18/10/2022	4174557	22202106.5	
4174566	LG Innotek Co., Ltd.	28/06/2021	4174566	21834602.1	
4175267	Samsung Electronics Co., Ltd.	21/07/2021	4175267	21845656.4	
4178217	Sensors Unlimited, Inc.	03/11/2022	4178217	22205367.0	German
4178705	Entegris, Inc.	08/07/2021	4178705	21836900.7	
4179136	Auria Solutions UK I Ltd.	11/06/2021	4179136	21838344.6	
4180018	Fibertex Personal Care A/S	25/10/2022	4180018	22203449.8	
4180316	Kai Concepts, LLC	10/11/2022	4180316	22206528.6	
4180561	BSH Hausgeräte GmbH	12/10/2022	4180561	22201072.0	
4180691	HELLO ROBOT, Inc.	04/12/2020	4180691	23150349.1	
4180727	Panasonic Intellectual Property Management Co., Ltd.	09/11/2022	4180727	22206496.6	
4180903	LG Electronics, Inc.	09/02/2021	4180903	21837413.0	
4180922	Alps Alpine Co., Ltd.	29/03/2021	4180922	21838400.6	German
4181160	Huawei Digital Power Technologies Co., Ltd.	14/11/2022	4181160	22207274.6	
4181161	G.D SOCIETA' PER AZIONI	09/11/2022	4181161	22206475.0	
4181329	FURUKAWA ELECTRIC CO., LTD.	12/07/2021	4181329	21841665.9	
	Furukawa Automotive Systems Inc.				
4181997	ResMed Pty Ltd	19/07/2021	4181997	21846482.4	
4183378	Recensmedical, Inc.	14/07/2021	4183378	21841227.8	
	Ulsan National Institute of Science and Technology (UNIST)				
4183539	LG Energy Solution, Ltd.	13/07/2021	4183539	21843235.9	
4183549	Nissei ASB Machine Co., Ltd.	16/07/2021	4183549	21842941.3	
4183559	Tetra Laval Holdings & Finance S.A.	10/11/2022	4183559	22206540.1	German
4183670	Canyon Bicycles GmbH	11/10/2022	4183670	22200929.2	
4183949	Vynlit Fassaden GmbH	14/11/2022	4183949	22207111.0	German
4184836	Apple Inc.	10/02/2021	4184836	23151005.8	
4184909	Sony Group Corporation	02/07/2021	4184909	21843431.4	German
4186714	Continental Reifen Deutschland GmbH	20/09/2022	4186714	22196660.9	
4186764	HYUNDAI MOTOR COMPANY	24/03/2022	4186764	22164012.1	French
	Kia Corporation				
4186784	Airbus Operations SAS	09/11/2022	4186784	22206454.5	German
4186829	KRONES Aktiengesellschaft	18/10/2022	4186829	22202249.3	
4187133	Leinemann GmbH & Co. KG	22/09/2022	4187133	22197127.8	German
4187973	Huawei Technologies Co., Ltd.	29/11/2022	4187973	22210294.9	
4188046	Rockwell Automation Technologies, Inc.	07/11/2022	4188046	22205795.2	French
4188279	Deland, Jonathan T.	27/07/2021	4188279	21851352.1	
4190402	FUJIFILM Corporation	29/07/2021	4190402	21850268.0	French
4190592	The Goodyear Tire & Rubber Company	02/12/2022	4190592	22211092.6	
4190722	Daifuku Co., Ltd.	18/05/2021	4190722	21851463.6	

4191331	Sony Group Corporation	02/07/2021	4191331	21850127.8	German
4191350	OPEN MIND Technologies AG	29/11/2022	4191350	22210078.6	
4192039	Kyocera Corporation	25/08/2021	4192039	21861644.9	
4192078	Huawei Technologies Co. Ltd.	13/08/2021	4192078	21855643.9	
4193854	Luxshare Precision Industry Company Limited	09/11/2022	4193854	22206378.6	German
4193892	Chen, ZhiYing				
4193892	RÖSLE GROUP GmbH	17/11/2022	4193892	22208073.1	
4194267	Renault s.a.s	15/11/2022	4194267	22207442.9	
4194838	General Electric Company	25/06/2018	4194838	23153820.8	French
4194907	Honor Device Co., Ltd.	29/01/2022	4194907	22831175.9	
4195197	YAMAHA CORPORATION	02/12/2022	4195197	22211134.6	
4195391	Stark Future, S.L.	05/07/2022	4195391	22382642.1	
4195609	Huawei Technologies Co. Ltd.	19/03/2021	4195609	21859544.5	German
4195655	BOE Technology Group Co., Ltd.	05/11/2021	4195655	21934551.9	
4196739	Chia, Francis See Chong	05/05/2021	4196739	21858713.7	
4196864	Easebon Services Limited				
4196864	Samsung Electronics Co., Ltd.	01/07/2021	4196864	21886482.5	German
4197407	Vitafoss Trading Co., Ltd.	18/07/2022	4197407	22185495.3	
4197577	Drägerwerk AG & Co. KGaA	12/12/2022	4197577	22212761.5	
4197785	Heidelberger Druckmaschinen AG	29/11/2022	4197785	22210066.1	
4198534	Samsung Electronics Co., Ltd.	21/07/2022	4198534	22186226.1	German
4198859	BlackBerry Limited	13/11/2017	4198859	23155447.8	
4199323	Guangdong huida electric appliance co. LTD	17/06/2022	4199323	22179663.4	
4201759	Contemporary Amperex Technology (Hong Kong) Limited	22/09/2021	4201759	21956966.2	
4201761	Robert Bosch GmbH	12/12/2022	4201761	22212698.9	German
4201838	Kiswel Ltd.	28/05/2021	4201838	21858440.7	
4202113	Riso Kagaku Corporation	01/12/2022	4202113	22210896.1	
4202403	Anton Paar GmbH	21/12/2022	4202403	22215443.7	
4202480	Suteng Innovation Technology Co., Ltd	23/12/2022	4202480	22216426.1	French
4202936	Weebit Nano Ltd	14/12/2022	4202936	22213321.7	
4202940	Commissariat à l'Energie Atomique et aux Energies Alternatives				
4202940	Samsung Electronics Co., Ltd.	01/09/2022	4202940	22193520.8	
4203037	Changxin Memory Technologies, Inc.	08/06/2021	4203037	21920503.6	German
4203661	Samsung Electronics Co., Ltd.	20/12/2022	4203661	22215062.5	
4205520	Precision Planting LLC	15/10/2018	4205520	23157897.2	
4206652	Myron L Company	17/06/2017	4206652	23152008.1	
4206720	NXP B.V.	16/11/2022	4206720	22207892.5	French
4207337	LG Energy Solution, Ltd.	10/01/2022	4207337	22739842.7	
4207424	LG Energy Solution, Ltd.	12/07/2022	4207424	22849759.0	
4207670	Seoul National University R & DB Foundation				
4207670	Sony Group Corporation	02/07/2021	4207670	21860974.1	German
4207982	LG Display Co., Ltd.	08/12/2022	4207982	22212211.1	
4209241	Fisher & Paykel Healthcare Limited	17/07/2015	4209241	22213455.3	
4209337	Seal for Life Global Dutch Holding B.V.	07/11/2007	4209337	22212759.9	
4209429	Airnov, Inc.	30/12/2022	4209429	22217350.2	German
4209671	Caterpillar Energy Solutions GmbH	09/01/2023	4209671	23150815.1	
4209715	Doosan Enerbility Co., Ltd.	13/04/2022	4209715	22168170.3	
4215037	Kuhn-Geldrop B.V.	13/01/2023	4215037	23151490.2	
4215237	Boston Scientific Neuromodulation Corporation	02/07/2019	4215237	23157579.6	German
4215384	The Goodyear Tire & Rubber Company	15/12/2020	4215384	23156172.1	
4215432	Astro Tech Co., Ltd.	30/11/2022	4215432	22210491.1	
4215934	Aptiv Technologies AG	04/10/2022	4215934	22199449.4	
4215955	Samsung Electronics Co., Ltd.	17/01/2023	4215955	23152035.4	German
4215979	CANON KABUSHIKI KAISHA	22/12/2022	4215979	22215762.0	
4216049	Samsung Electronics Co., Ltd.	18/01/2023	4216049	23152227.7	
4216444	Kandou Labs SA	16/04/2018	4216444	22216242.2	

4216535	Huawei Technologies Co. Ltd.	18/10/2021	4216535	21881964.7	
4218313	Innopeak Technology, Inc.	13/07/2021	4218313	21876163.3	
4218513	Ningbo Funfine Electronic Commerce Co., Ltd.	16/01/2023	4218513	23151855.6	
4218590	Sstlabs	12/10/2021	4218590	21880444.1	
4218875	Fisher & Paykel Healthcare Limited	01/03/2017	4218875	23154541.9	
4219212	Bombardier Transportation GmbH	15/04/2014	4219212	23163559.0	German
4219231	Faurecia Sièges d'Automobile	30/01/2023	4219231	23154021.2	French
4219962	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	18/02/2020	4219962	23164430.3	
4220010	Benninghoven Zweigniederlassung der Wirtgen Mineral Technologies GmbH	03/11/2022	4220010	22205352.2	German
4220257	GlobalFoundries U.S. Inc.	06/10/2022	4220257	22200137.2	
4220816	Huawei Digital Power Technologies Co., Ltd.	26/01/2023	4220816	23153567.5	
4221057	Wilus Institute of Standards and Technology Inc.	18/06/2018	4221057	23165912.9	
4221246	CANON KABUSHIKI KAISHA	30/12/2022	4221246	22217269.4	
4221336	QUALCOMM Incorporated	04/07/2018	4221336	23166031.7	
4221695	Applied Materials, Inc.	01/10/2021	4221695	21876617.8	
4221999	Bridgestone Americas Tire Operations, LLC	16/09/2021	4221999	21876203.7	
4223338	Fisher & Paykel Healthcare Limited	07/06/2017	4223338	23165208.2	
4223564	Hyundai Mobis Co., Ltd.	19/12/2022	4223564	22214408.1	
4224111	García-Gamón, Antón, Fernando García-Gamón Valero, Antonio Manuel	30/09/2021	4224111	21874637.8	
4224315	Huawei Device Co., Ltd.	19/03/2014	4224315	22202844.1	
4224743	Adtran Networks SE	07/02/2022	4224743	22155411.6	
4227560	Aktiebolaget SKF	03/02/2023	4227560	23154890.0	
4228361	Wilus Institute of Standards and Technology Inc.	06/10/2021	4228361	21877968.4	
4230129	F. Hoffmann-La Roche AG	22/02/2022	4230129	22157945.1	
4230268	Kidde Technologies, Inc.	27/01/2023	4230268	23153818.2	
4230965	Siemens Aktiengesellschaft	21/02/2022	4230965	22157742.2	German
4231005	Dräger Safety AG & Co. KGaA	30/01/2023	4231005	23153855.4	German
4233519	Kubota Corporation	10/06/2021	4233519	23167890.5	
4233529	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	21/06/2010	4233529	23166949.0	
4233664	Samsung Electronics Co., Ltd.	12/12/2019	4233664	23170452.9	
4233667	BISSELL Inc.	31/10/2020	4233667	23175388.0	
4233957	ResMed Pty Ltd	18/07/2016	4233957	23172218.2	
4234224	Fisher & Paykel Healthcare Limited	29/12/2017	4234224	23171176.3	
4234238	CHINA PETROLEUM & CHEMICAL CORPORATION BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION	20/10/2021	4234238	21882074.4	
4234263	IDEMIA Identity & Security France	15/07/2020	4234263	23179739.0	French
4234321	Wirtgen GmbH	07/01/2019	4234321	23170152.5	German
4234638	Denka Company Limited	02/12/2021	4234638	21900671.5	
4235008	Frank GmbH	09/02/2023	4235008	23155799.2	German
4235081	Magpul Industries Corp.	13/03/2020	4235081	23172481.6	
4235151	The General Hospital Corporation	02/02/2015	4235151	23176489.5	
4235299	Aptiv Technologies AG	22/02/2022	4235299	23172039.2	
4235365	Samsung Electronics Co., Ltd.	10/07/2012	4235365	23181497.1	
4235865	Huawei Technologies Co. Ltd.	29/05/2019	4235865	23161454.6	
4236205	Telefonaktiebolaget LM Ericsson (publ)	21/01/2020	4236205	23176907.6	
4236219	INOVA Semiconductors GmbH	27/09/2022	4236219	22198217.6	German
4236355	Earweiss Technology (Shenzhen) Co., Ltd	21/02/2023	4236355	23157702.4	
4236356	Earweiss Technology (Shenzhen) Co., Ltd	21/02/2023	4236356	23157704.0	
4236453	Spreadtrum Communications (Shanghai) Co., Ltd.	15/10/2021	4236453	21881935.7	

4236566	Vivo Mobile Communication Co., Ltd.	16/07/2019	4236566	23178061.0	German
4238696	X'Pole Precision Tools Inc.	01/03/2022	4238696	22159385.8	
4238828	VOLVO TRUCK CORPORATION	03/03/2022	4238828	22159879.0	
4239162	H & E Bohrtechnik GmbH	20/02/2023	4239162	23000024.2	
4239315	Axalta Coating Systems GmbH	03/02/2023	4239315	23154857.9	
4239379	Thorlabs, Inc.	01/03/2022	4239379	22159363.5	
4241716	Stryker European Operations Limited	06/03/2023	4241716	23160113.9	
4241721	EFI Holding B.V.	15/11/2019	4241721	23183409.4	
4241800	Biotyx Medical (Shenzhen) Co., Ltd.	14/06/2016	4241800	23173397.3	
4241888	Becton, Dickinson and Company	07/06/2018	4241888	23185334.2	
4242214	Lg Chem, Ltd.	08/03/2022	4242214	22767456.1	
4242387	Kohler (China) Investment Co. Ltd.	01/03/2023	4242387	23159474.8	
4242640	The Boeing Company	07/02/2023	4242640	23155413.0	
4242896	Ghost Pass Inc.	27/10/2021	4242896	23177287.2	
4243047	LS Electric Co., Ltd.	02/11/2021	4243047	21889495.4	
4243170	POSCO Co., Ltd	29/10/2021	4243170	21889471.5	
4243462	Samsung Electronics Co., Ltd.	05/01/2022	4243462	22739559.7	
4245183	PUMA SE	21/04/2020	4245183	23184343.4	
4245478	OMRON Corporation	22/02/2023	4245478	23157879.0	
4245784	Daicel Corporation	20/01/2022	4245784	22749495.2	
4246509	Huawei Technologies Co. Ltd.	28/05/2021	4246509	21896232.2	
4247022	BYD Company Limited	24/12/2021	4247022	21914206.4	
4247056	Honor Device Co., Ltd.	15/12/2022	4247056	22902471.6	
4249161	Amada Co., Ltd.	12/11/2021	4249161	21894574.9	
4249633	Beijing NAURA Microelectronics Equipment Co., Ltd.	17/11/2021	4249633	21893925.4	
4249803	Koch Engineered Solutions GmbH	24/03/2022	4249803	22164242.4	German
4250466	LG Energy Solution, Ltd.	01/07/2022	4250466	22842340.6	
4253083	BRIDGESTONE CORPORATION	25/11/2021	4253083	21898041.5	
4253138	LG Energy Solution, Ltd.	13/09/2022	4253138	22895814.6	
4253159	Kubota Corporation	22/10/2021	4253159	21897575.3	
4253638	BSH Hausgeräte GmbH	17/03/2023	4253638	23162725.8	
4253726	RTX Corporation	30/03/2023	4253726	23165587.9	
4254117	Suzhou Cleva Precision Machinery & Technology Co., Ltd.	24/11/2021	4254117	21881346.7	
4254130	Skybest Electric Appliance (Suzhou) Co., Ltd.				
4254130	STMicroelectronics Application GmbH	27/02/2023	4254130	23158857.5	
	STMicroelectronics International N.V.				
4254169	Google LLC	08/11/2019	4254169	23193113.0	
4254446	Hitachi Energy Ltd	31/03/2022	4254446	22166091.3	
4254695	Hansgrohe SE	23/03/2021	4254695	23187164.1	
4254832	Huawei Technologies Co. Ltd.	21/10/2021	4254832	21918977.6	
4255055	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	06/01/2021	4255055	21916739.2	
4255160	Oki Electric Industry Co., Ltd.	08/03/2023	4255160	23160680.7	
4255821	Runway Blue, LLC	02/12/2021	4255821	21835067.6	
4256942	Deere & Company	13/03/2023	4256942	23161584.0	
4257264	Seco/Warwick S.A.	05/04/2023	4257264	23166745.2	
4258259	Huawei Technologies Co. Ltd.	15/12/2021	4258259	21920812.1	
4258335	Huawei Digital Power Technologies Co., Ltd.	31/01/2022	4258335	23175603.2	
4258718	Huawei Technologies Co. Ltd.	06/09/2021	4258718	21913193.5	German
4259056	TOSAMA Tovarna sanitetnega materiala d.o.o.	01/12/2021	4259056	21848309.7	
4259381	Watts Regulator Co.	08/12/2021	4259381	21904327.0	
4260041	ZF Friedrichshafen AG	02/12/2021	4260041	21835183.1	
4260922	Jun, Hyochan	12/04/2023	4260922	23167502.6	
4260991	Jun, Jonghyun				
4260991	Cornerstone Technology (Shenzhen) Limited	05/11/2021	4260991	21919007.1	
4261052	Toyo Tire Corporation	15/11/2021	4261052	21903116.8	

4261128	AGCO International GmbH	17/03/2023	4261128	23162581.5	
4261206	Kyowa Pharma Chemical Co., Ltd.	20/12/2021	4261206	21910729.9	
4261289	JFE Steel Corporation	17/12/2021	4261289	21923206.3	
4261348	Sports and Leisure Group NV	17/04/2023	4261348	23168328.5	
4261439	Robert Bosch GmbH	13/04/2022	4261439	22168228.9	
4261534	Otsuka Electronics Co., Ltd.	24/03/2023	4261534	23163984.0	
4261716	CHINA MOBILE COMMUNICATION CO., LTD. RESEARCH INSTITUTE CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.	30/12/2021	4261716	21914665.1	
4261813	Honor Device Co., Ltd.	30/08/2022	4261813	22863448.1	
4264122	VALEO VISION	16/12/2021	4264122	21840546.2	French
4264124	Valeo Vision	16/12/2021	4264124	21839986.3	French
4265341	SHENZHEN MANST TECHNOLOGY CO., LTD.	24/02/2022	4265341	22712488.0	
4265837	BSH Hausgeräte GmbH	19/04/2023	4265837	23168667.6	
4265849	Deere & Company	04/04/2023	4265849	23166423.6	
4265916	Carrier Corporation	31/03/2023	4265916	23166039.0	
4266034	Dräger Safety AG & Co. KGaA	17/04/2023	4266034	23168157.8	German
4266081	MITSUBISHI ELECTRIC CORPORATION	28/01/2021	4266081	21922830.1	
4266278	Aptiv Technologies AG	15/03/2023	4266278	23162066.7	
4266289	LG Energy Solution, Ltd.	19/07/2022	4266289	22901490.7	
4266333	LG Innotek Co., Ltd.	14/12/2021	4266333	21907071.1	
4266672	Huawei Technologies Co. Ltd.	26/01/2022	4266672	22745265.3	
4267063	3M Innovative Properties Company	20/12/2021	4267063	21835853.9	
4267467	Tusas- Turk Havacilik Ve Uzay Sanayii Anonim Sirketi	27/04/2021	4267467	21915970.4	
4267901	Alfa Laval Corporate AB	15/12/2021	4267901	21840484.6	
4268021	Ricoh Company, Ltd.	23/12/2021	4268021	21844417.2	
4268183	Koninklijke Philips N.V.	15/12/2021	4268183	21839883.2	
4269144	MAZDA MOTOR CORPORATION	24/03/2023	4269144	23163894.1	
4269280	Daifuku Co., Ltd.	02/12/2021	4269280	21910201.9	
4269947	TOYOTA JIDOSHA KABUSHIKI KAISHA	24/02/2023	4269947	23158464.0	
4270796	Apple Inc.	17/07/2018	4270796	23197242.3	
4270833	Lenovo (Singapore) Pte. Ltd.	23/03/2020	4270833	23190109.1	
4271109	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	02/04/2021	4271109	21934091.6	
4271487	zebris Medical GmbH	24/12/2021	4271487	21844735.7	German
4272073	S.T. Swimm Tech Ltd	22/12/2021	4272073	21914864.0	
4272125	ORANGE	23/12/2021	4272125	21848183.6	French
4272634	Wang, Li	27/12/2021	4272634	21914283.3	
4272693	Arcreal Inc.	09/12/2021	4272693	21923419.2	
4272701	Sierra Valve LLC	12/07/2021	4272701	21913011.9	
4273107	Ivoclar Vivadent AG	20/10/2015	4273107	23198360.2	German
4273363	Casagrande S.P.A.	05/05/2023	4273363	23171787.7	
4273693	Honor Device Co., Ltd.	15/12/2022	4273693	22922519.8	
4273776	Honor Device Co., Ltd.	25/05/2022	4273776	22855031.5	
4274316	Honor Device Co., Ltd.	07/05/2022	4274316	22847939.0	
4274441	Neves, Joao, M P Correia	09/06/2022	4274441	22743971.8	
4274788	Autostore Technology AS	03/01/2022	4274788	22700219.3	
4275472	CLAAS Selbstfahrende Erntemaschinen GmbH	14/03/2023	4275472	23161682.2	German
4275648	Guilin Woodpecker Medical Instrument Co., Ltd.	07/04/2021	4275648	21932338.3	
4275662	Coloplast A/S	30/01/2020	4275662	23188439.6	
4276253	Caterpillar Inc.	23/04/2023	4276253	23169342.5	
4276264	Akwel Vigo Spain SL	11/05/2023	4276264	23172858.5	French
4276405	Optos plc	21/04/2023	4276405	23169185.8	
4276541	Ricoh Company, Ltd.	25/04/2023	4276541	23169809.3	
4276603	Huawei Technologies Co. Ltd.	13/01/2022	4276603	22748832.7	

4276798	LG Energy Solution, Ltd.	26/07/2022	4276798	22901494.9	
4277078	Huawei Digital Power Technologies Co., Ltd.	20/04/2023	4277078	23168892.0	
4278933	SharkNinja Operating LLC	11/05/2023	4278933	23172967.4	
4279378	Airbus Operations	11/05/2023	4279378	23172841.1	French
4279384	B/E Aerospace, Inc.	15/05/2023	4279384	23173465.8	
4279565	Merck Patent GmbH	10/07/2019	4279565	23193360.7	
4279697	Hörmann KG Brockhagen	24/02/2023	4279697	23158426.9	German
4279720	RTX Corporation	19/05/2023	4279720	23174384.0	
4279721	RTX Corporation	19/05/2023	4279721	23174391.5	
4279762	SureWerx USA, Inc.	04/12/2015	4279762	23202042.0	
4279839	Guangzhou Argion Electric Appliance Co., Ltd.	19/05/2023	4279839	23174313.9	
4280032	Huawei Technologies Co. Ltd.	25/02/2022	4280032	22762450.9	
4280058	Honor Device Co., Ltd.	16/05/2022	4280058	22855000.0	
4280152	Honor Device Co., Ltd.	19/05/2022	4280152	22836618.3	
4280226	Huawei Cloud Computing Technologies Co., Ltd.	15/11/2021	4280226	21922457.3	
4280586	Honor Device Co., Ltd.	10/05/2022	4280586	22854984.6	
4280864	Clemens GmbH & Co. KG, Weinbautechnik - Getränketechnik	25/01/2022	4280864	22700869.5	German
4281130	Centre National de la Recherche Scientifique Université de Strasbourg Les Hôpitaux Universitaires de Genève Université de Genève	24/01/2022	4281130	22702428.8	
4281654	SAFRAN AIRCRAFT ENGINES	20/01/2022	4281654	22705427.7	French
4281667	Gojo Industries Inc	31/01/2022	4281667	22704695.0	
4281697	Henn GmbH & Co KG.	19/01/2022	4281697	22706222.1	German
4281859	Zhejiang Dahua Technology Co., Ltd.	18/11/2021	4281859	21932672.5	
4281966	Microsoft Technology Licensing, LLC	09/12/2021	4281966	21844441.2	
4282349	Aesculap AG	22/05/2023	4282349	23174548.0	German
4282467	Boston Scientific Neuromodulation Corporation	01/07/2020	4282467	23194504.9	
4282751	Airbus Operations GmbH	24/05/2022	4282751	22175160.5	
4283610	xMEMS Labs, Inc.	23/05/2023	4283610	23174765.0	
4283641	Huawei Technologies Co. Ltd.	27/01/2021	4283641	21921755.1	
4283699	LG Energy Solution, Ltd.	11/07/2016	4283699	23202544.5	
4283700	LG Energy Solution, Ltd.	11/07/2016	4283700	23202545.2	
4284133	Honor Device Co., Ltd.	11/05/2022	4284133	22854989.5	
4284683	Stellantis Auto SAS	14/12/2021	4284683	21851826.4	French
4284973	FERRARO S.p.A.	26/01/2022	4284973	22701639.1	
4285026	Hydac Technology GmbH	13/04/2022	4285026	22722755.0	German
4285132	Koninklijke Philips N.V.	20/01/2022	4285132	22702194.6	
4285362	Microsoft Technology Licensing, LLC	13/01/2022	4285362	22703858.5	
4285807	Samsung Electronics Co., Ltd.	24/03/2022	4285807	22788292.5	
4285975	Löwenstein Medical Technology S.A.	23/05/2023	4285975	23174850.0	German
4286146	Urma Controls sp. z o.o.	29/05/2023	4286146	23461599.5	
4286155	C.I. TAKIRON Corporation	27/01/2022	4286155	22749590.0	
4286891	Hyundai Mobis Co., Ltd.	22/12/2022	4286891	22216000.4	
4287053	CrowdStrike, Inc.	28/06/2019	4287053	23190304.8	
4287605	Honor Device Co., Ltd.	26/04/2022	4287605	22857317.6	
4287638	Honor Device Co., Ltd.	22/07/2022	4287638	22855215.4	
4287747	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	02/02/2021	4287747	21923662.7	
4287786	Panasonic Energy Co., Ltd.	20/01/2022	4287786	22745697.7	
4287961	Boston Scientific Medical Device Limited Boston Scientific Scimed, Inc.	11/07/2022	4287961	22751900.6	
4288005	Alcon Inc.	01/02/2022	4288005	22703454.3	
4288652	Safran Nacelles	02/02/2022	4288652	22705083.8	French
4289023	Huawei Technologies Co. Ltd.	19/03/2021	4289023	21930879.8	
4289550	LG Energy Solution, Ltd.	12/07/2022	4289550	22842425.5	

4289735	B/E Aerospace, Inc.	06/06/2023	4289735	23177789.7	
4290051	RTX Corporation	05/06/2023	4290051	23177378.9	
4290088	Hamilton Sundstrand Corporation	04/02/2022	4290088	23206823.9	
4290158	mitsubishi electric corporation	02/02/2021	4290158	21924550.3	
4290211	CYNO-DEV	24/10/2018	4290211	23183697.4	French
4290220	Leica Microsystems CMS GmbH	10/06/2022	4290220	22178513.2	
4290603	Eve Power Co., Ltd.	14/10/2022	4290603	22927599.5	
4290842	Honor Device Co., Ltd.	04/01/2023	4290842	23727914.6	
4290847	The Boeing Company	15/04/2021	4290847	23190229.7	
4290953	QUALCOMM Incorporated	10/05/2021	4290953	23206488.1	
4290994	Hyundai Mobis Co., Ltd.	23/12/2022	4290994	22216341.2	
4291091	Dexcom, Inc.	03/02/2022	4291091	22709529.6	
4291309	Menger, Jörn	07/02/2022	4291309	22705509.2	German
4291476	Newtton	14/02/2022	4291476	22708991.9	French
4292081	Google LLC	23/02/2022	4292081	22710232.4	
4292430	FURUNO ELECTRIC CO., LTD.	13/06/2022	4292430	22178622.1	
4292548	Boston Scientific Scimed, Inc.	11/09/2006	4292548	23202303.6	
4292632	Shaheen Innovations Holding Limited	15/12/2019	4292632	23208069.7	
4292965	Hörmann Alkmaar BV	06/06/2023	4292965	23177569.3	
4293248	HUTCHINSON	16/06/2023	4293248	23179718.4	French
4293792	LG Energy Solution, Ltd.	11/07/2022	4293792	22864855.6	
4294063	Huawei Technologies Co. Ltd.	25/03/2022	4294063	22778798.3	
4294683	Grosshammer, Walter	01/02/2022	4294683	22702853.7	German
4295542	Microsoft Technology Licensing, LLC	23/01/2022	4295542	22707916.7	
4295761	BBI Medical Innovations, LLC	02/02/2018	4295761	23208591.0	
4295820	Allurion Technologies, LLC	08/07/2019	4295820	23208874.0	
4296039	Krones AG	28/03/2023	4296039	23164657.1	German
4296051	Mitsui Mining & Smelting Co., Ltd.	08/02/2022	4296051	22756019.0	
4296133	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	01/03/2021	4296133	21928420.5	
4296293	Sinopec Petroleum Engineering Technology Research Institute Co., Ltd	28/02/2022	4296293	22762488.9	
	China Petroleum & Chemical Corporation				
4296457	F.LLI Facchinetti S.p.A.	09/06/2023	4296457	23178517.1	
4296468	Weatherford Technology Holdings, LLC	15/03/2011	4296468	23191486.2	
4296799	Honeywell International Inc.	07/06/2023	4296799	23177897.8	
4296852	Honor Device Co., Ltd.	28/12/2022	4296852	22918463.5	
4297670	Anaconda BioMed, SL	23/02/2022	4297670	22705066.3	
4297681	ALCON INC.	17/02/2022	4297681	22706924.2	
4298035	Rulli Rulmeca S.p.A.	18/02/2022	4298035	22709395.2	
4298747	Samsung Electronics Co., Ltd.	21/09/2022	4298747	22873165.9	
4299006	BIOSENSE WEBSTER (ISRAEL) LTD.	14/10/2019	4299006	23194028.9	
4299197	Assems Inc.	13/12/2022	4299197	22212999.1	
4299262	Nidec Instruments Corporation	16/02/2022	4299262	22759444.7	
4299494	LG Energy Solution, Ltd.	08/02/2023	4299494	23753150.4	
4299507	Adeia Semiconductor Bonding Technologies Inc.	15/03/2018	4299507	23191206.4	
4299833	Süd-Planken Seifert & Dinkeldein GmbH & Co KG	27/06/2023	4299833	23181799.0	German
4300031	Bunge SA	23/02/2022	4300031	22716847.3	
4300132	Infineon Technologies AG	01/07/2022	4300132	22182491.5	
4300198	FUJIFILM Business Innovation Corp.	24/03/2023	4300198	23163930.3	
4300221	Siemens Aktiengesellschaft	01/07/2022	4300221	22182570.6	German
4300480	Gogolev, Sergey	20/04/2022	4300480	22759016.3	
4300528	Huawei Digital Power Technologies Co., Ltd.	30/03/2021	4300528	21933637.7	
4300539	Jiangsu Leuven Instruments Co. Ltd	09/12/2021	4300539	21940563.6	
4301014	Cisco Technology, Inc.	08/05/2015	4301014	23203929.7	
4301225	Biolineq Incorporated	27/09/2022	4301225	22793312.4	
4301313	MEDISCA PHARMACEUTIQUE INC.	12/04/2022	4301313	22787196.9	
4301443	Oldrati Guarnizioni Industriali S.p.A.	07/03/2022	4301443	22713036.6	

4302236	Koninklijke Philips N.V.	28/02/2022	4302236	22712858.4	
4302440	QUALCOMM Incorporated	04/03/2022	4302440	22714038.1	
4302718	Ecential Robotics	06/07/2022	4302718	22315136.6	
4302787	PHATEC GMBH	08/07/2022	4302787	22183895.6	
4302799	TERUMO Kabushiki Kaisha	08/03/2022	4302799	22775074.2	
4302831	Trifarma S.p.A.	04/07/2022	4302831	22182845.2	
4303442	Daikin Industries, Ltd.	18/02/2022	4303442	22763012.6	
4303444	WILO SE	05/07/2023	4303444	23183565.3	German
4303667	The Swatch Group Research and Development Ltd	06/07/2022	4303667	22183365.0	French
4303848	Harman Becker Automotive Systems GmbH	04/07/2022	4303848	22182800.7	
4303993	VOLVO TRUCK CORPORATION	06/07/2022	4303993	22183387.4	
4304165	Huawei Technologies Co. Ltd.	25/03/2022	4304165	22778806.4	
4304224	QUALCOMM Incorporated	15/02/2020	4304224	23212699.5	
4304297	Goodrich Lighting Systems GmbH & Co. KG	08/07/2022	4304297	22183786.7	
4304513	Aesculap AG	08/03/2022	4304513	22713595.1	German
4305086	BASF SE	08/03/2022	4305086	22710412.2	
4305391	KSB SE & Co. KGaA	08/03/2022	4305391	22714916.8	
4306251	Präwema Antriebstechnik GmbH	06/07/2023	4306251	23183794.9	German
4306429	ROSEMOUNT AEROSPACE INC.	06/07/2023	4306429	23184010.9	
4306430	ROSEMOUNT AEROSPACE INC.	11/07/2023	4306430	23184870.6	
4306910	Melexis Technologies SA	11/07/2022	4306910	22184121.6	
4306919	Hitachi High-Tech Analysis Corporation	26/06/2023	4306919	23181505.1	
4306942	LG Energy Solution, Ltd.	25/07/2022	4306942	22858622.8	
4307135	Fujitsu Limited	21/03/2023	4307135	23163134.2	
4307215	JVCKenwood Corporation	15/09/2021	4307215	21930262.7	
4307368	Changxin Memory Technologies, Inc.	10/06/2022	4307368	22924572.5	
4310243	LG Electronics Inc.	02/02/2022	4310243	23208108.3	
4310301	RTX Corporation	24/07/2023	4310301	23187305.0	
4310316	Yamabiko Corporation	21/07/2023	4310316	23187069.2	
4310388	Ataway	19/03/2020	4310388	23215132.4	French
4310484	General Electric Company	20/10/2022	4310484	22202738.5	
4311129	Huawei Technologies Co. Ltd.	07/03/2022	4311129	22790731.8	
4311830	King Faisal Specialist Hospital & Research Centre	29/07/2022	4311830	22187899.4	
4311917	RTX Corporation	21/07/2023	4311917	23187051.0	
4311932	General Electric Renovables España, S.L.	05/07/2023	4311932	23183661.0	
4311941	NETZSCH Pumpen & Systeme GmbH	14/07/2023	4311941	23185442.3	German
4312664	Wood Tube Sweden AB	15/03/2022	4312664	22715038.0	
4312732	Google LLC	09/06/2023	4312732	23736940.0	
4313538	SABIC Global Technologies B.V.	28/03/2022	4313538	22718219.3	
4313688	Lightyear IPCo B.V.	24/03/2022	4313688	22716418.3	
4313757	Airbus Operations GmbH	25/03/2022	4313757	22718639.2	German
4313771	ArianeGroup SAS	17/03/2022	4313771	22714487.0	French
4314176	Friedrich-Alexander-Universität Erlangen-Nürnberg	30/03/2022	4314176	22719558.3	
4314723	Schaeffler Technologies AG & Co. KG	17/03/2022	4314723	22716193.2	German
4314724	Schaeffler Technologies AG & Co. KG	17/03/2022	4314724	22716354.0	German
4315984	FTI Engineering Network GmbH	31/03/2022	4315984	22720342.9	German
4317563	Kuraray Co., Ltd.	17/01/2019	4317563	23216554.8	
4318299	Vivo Mobile Communication Co., Ltd.	22/04/2022	4318299	22794772.8	
4318620	FUJIFILM Corporation	10/03/2022	4318620	22779937.6	
4318844	Huawei Digital Power Technologies Co., Ltd.	13/04/2021	4318844	21936351.2	
4318991	Quectel Wireless Solutions Co., Ltd.	21/10/2021	4318991	21934484.3	
4319916	Novomer, Inc.	30/03/2022	4319916	22718401.7	
4320773	Telefonaktiebolaget LM Ericsson (publ)	05/04/2022	4320773	22715766.6	
4321089	Samsung Electronics Co., Ltd.	10/05/2022	4321089	22807755.8	
4322091	Beijing Zitiao Network Technology Co., Ltd.	29/04/2022	4322091	22806563.7	

4323176	Bridgestone Europe NV/SA	13/04/2022	4323176	22722724.6	
4324095	Bombardier Transportation GmbH	08/04/2022	4324095	22721703.1	
4324601	Samsung Electronics Co., Ltd.	16/09/2022	4324601	22890166.6	
4324753	The Boeing Company	27/06/2023	4324753	23181914.5	
4324851	Regeneron Pharmaceuticals, Inc.	18/07/2019	4324851	23215003.7	
4324875	MAFTEC Co., Ltd.	18/04/2022	4324875	22788227.1	
4325102	Zhejiang Geely Holding Group Co., Ltd. Zhejiang Liankong Technologies Co., Ltd	21/04/2022	4325102	22871379.8	
4325740	Huawei Technologies Co., Ltd.	04/03/2022	4325740	22806263.4	
4325858	GE Video Compression, LLC	15/07/2014	4325858	23204146.7	
4327137	Siemens Mobility GmbH	03/06/2022	4327137	22732139.5	German
4327925	GB Foods Belgium	19/05/2023	4327925	23174307.1	
4328045	Lee, Heon Mun	26/10/2022	4328045	22887586.0	
4328488	RTX Corporation	25/10/2017	4328488	24152477.6	
4328963	Resonac Corporation	21/05/2021	4328963	21940877.0	
4329621	Shanghai United Imaging Healthcare Co., Ltd.	28/02/2023	4329621	23759341.3	
4329648	Neurochase Technologies Limited	29/04/2022	4329648	22721111.7	
4330126	Killwatt GmbH	26/04/2022	4330126	22725791.2	German
4330582	Synthetex, LLC	25/04/2022	4330582	22723871.4	
4331241	Dolby International AB	28/04/2022	4331241	22726089.0	
4331401	Shenzhen Huachengda Precision Industry Co., Ltd.	08/09/2021	4331401	21956340.0	
4331532	Align Technology, Inc.	01/05/2019	4331532	24152680.5	
4331541	Primula Modesta Co., Ltd.	17/04/2022	4331541	22795608.3	
4331876	SpeedInnov	29/08/2023	4331876	23194010.7	French
4332334	Gretsch Unitas Limited	25/07/2023	4332334	23187469.4	
4333740	Covidien LP	03/05/2022	4333740	22723790.6	
4333741	Covidien LP	03/05/2022	4333741	22723791.4	
4333774	DePuy Synthes Products, Inc.	25/04/2022	4333774	22721855.9	
4334051	Vesuvius U S A Corporation	06/05/2022	4334051	22727924.7	
4334726	F. Hoffmann-La Roche AG	04/05/2022	4334726	22727829.8	
4334926	Disney Enterprises, Inc.	04/05/2022	4334926	22725106.3	
4335232	Cisco Technology, Inc.	28/04/2022	4335232	22728005.4	
4335411	Shanghai Shape Memory Alloy Co., Ltd.	21/05/2021	4335411	21940208.8	
4335517	WisTa Laboratories Ltd.	25/07/2017	4335517	23212899.1	
4335589	National Flooring Equipment, Inc.	17/06/2020	4335589	23218225.3	
4335862	Pearlsinmires Co., Ltd.	29/08/2022	4335862	22864983.6	
4336288	Intelligrated Headquarters, LLC	05/06/2023	4336288	23177189.0	
4336500	VoiceAge EVS LLC	25/07/2014	4336500	24153530.1	
4336587	National Formosa University	27/06/2023	4336587	23181710.7	
4337053	NIKE Innovate C.V.	13/05/2022	4337053	22727732.4	
4337536	Centre National d'Études Spatiales Safran Spacecraft Propulsion THALES	11/05/2022	4337536	22724831.7	French
4337881	Errecinque S.r.l.	11/05/2022	4337881	22724268.2	
4338888	Ingersoll-Rand Industrial U.S., Inc.	01/09/2023	4338888	23194909.0	
4338907	Max Co., Ltd.	02/08/2023	4338907	23189237.3	
4339015	Simon sp. z o. o.	13/09/2022	4339015	22461604.5	
4339097	Safran Transmission Systems	29/08/2023	4339097	23193942.2	French
4339149	LG Energy Solution, Ltd.	13/10/2022	4339149	22881372.1	
4339299	10X Genomics, Inc.	08/01/2021	4339299	24150449.7	
4339547	Hamilton Sundstrand Corporation	11/07/2023	4339547	23184695.7	
4339554	Airbus Operations GmbH	16/09/2022	4339554	22196042.0	
4339669	Optek Systems, Inc.	13/09/2023	4339669	23197065.8	
4339704	Canon Kabushiki Kaisha	07/11/2014	4339704	24150249.1	
4340294	Mobileye Vision Technologies Ltd.	19/01/2021	4340294	23204974.2	
4340432	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	07/07/2021	4340432	21948806.1	
4340630	Societe Industrielle Limousine d'Application Biologique	17/05/2022	4340630	22729210.9	French
4340788	Alcon Inc.	22/04/2022	4340788	22721134.9	

4340842	Amgen Inc.	17/05/2022	4340842	22729925.2	
4340931	Boston Scientific Neuromodulation Corporation	14/07/2022	4340931	22754261.0	
4341030	Ecoprogetti S.R.L.	17/05/2022	4341030	22731825.0	
4341156	Railscape Technologies Limited	19/05/2022	4341156	22726795.2	
4342189	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	16/05/2022	4342189	22729553.2	German
4342351	Valentini, Guido	22/09/2022	4342351	22197230.0	
4342432	Medos International Sàrl	31/07/2018	4342432	24152060.0	
4342673	SII Printek Inc.	26/09/2023	4342673	23199613.3	
4342685	Continental Reifen Deutschland GmbH	05/09/2023	4342685	23195313.4	German
4343127	Lombardini S.r.l.	29/08/2023	4343127	23193953.9	
4343349	LG Energy Solution, Ltd.	23/11/2022	4343349	22899017.2	
4343759	Dolby International AB	12/12/2011	4343759	24157076.1	
4343763	NTT DOCOMO, INC.	16/04/2015	4343763	24155958.2	
4343809	Huawei Digital Power Technologies Co., Ltd.	30/06/2021	4343809	21947531.6	
4343930	Mitsubishi Heavy Industries, Ltd.	21/06/2022	4343930	22832926.4	
4344114	Chulalongkorn University GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	23/07/2021	4344114	21950583.1	
4344227	Huawei Technologies Co., Ltd.	15/06/2022	4344227	22827452.8	
4344372	Samsung Electronics Co., Ltd.	29/07/2022	4344372	22856078.5	
4344574	Fisher & Paykel Healthcare Limited	05/11/2019	4344574	24158114.9	
4344639	Ambu A/S	30/09/2022	4344639	22198932.0	
4344793	Shaheen Innovations Holding Limited	15/12/2021	4344793	24155825.3	
4344842	SCM Group S.p.A.	28/09/2023	4344842	23200369.9	
4345423	elobau GmbH & Co. KG	03/08/2023	4345423	23189468.4	German
4345477	FUJIFILM Corporation	21/09/2023	4345477	23198739.7	
4345510	Baker Hughes Oilfield Operations LLC	08/07/2020	4345510	24155283.5	
4345819	TechIFab GmbH	29/09/2023	4345819	23200840.9	
4345910	BOE Technology Group Co., Ltd. Fuzhou Boe Optoelectronics Technology Co., Ltd.	31/08/2021	4345910	21955429.2	
4346035	Beele Engineering B.V.	26/09/2016	4346035	23215553.1	
4346192	Samsung Electronics Co., Ltd.	08/03/2022	4346192	22855940.7	
4346226	CANON KABUSHIKI KAISHA	22/09/2023	4346226	23199071.4	
4346250	HUAWEI TECHNOLOGIES CO., LTD.	13/06/2023	4346250	23825590.5	
4346444	N.V. Nutricia	02/06/2022	4346444	22731255.0	
4346681	Mazor Robotics Ltd.	23/05/2022	4346681	22754183.6	
4347909	KAMAX Holding GmbH & Co. KG	19/07/2022	4347909	22758424.0	German
4347995	ConocoPhillips Company	03/06/2022	4347995	22816950.4	
4348152	Magpul Industries Corp.	05/07/2022	4348152	22834348.9	
4348720	Aledia	19/05/2022	4348720	22730724.6	French
4348789	Siemens Energy Global GmbH & Co. KG	17/05/2022	4348789	22730113.2	German
4349311	Gergonne SAS	04/10/2023	4349311	23201545.3	French
4349388	Drägerwerk AG & Co. KGaA	27/09/2023	4349388	23199944.2	German
4349389	Fisher & Paykel Healthcare Limited	20/03/2020	4349389	24158450.7	
4349503	Neuhäuser GmbH	04/10/2022	4349503	22199607.7	German
4349674	Nissan Motor Co., Ltd.	28/05/2021	4349674	21844609.4	
4350009	Evolution Tech S.r.l.	03/10/2023	4350009	23201489.4	
4350060	Asahi Kasei Kabushiki Kaisha	30/05/2022	4350060	22816056.0	
4350104	Berndorf Metall- und Bäderbau GmbH	06/10/2023	4350104	23202038.8	German
4350249	Sumitomo Heavy Industries, LTD.	12/09/2023	4350249	23196704.3	
4350298	Panasonic Intellectual Property Management Co., Ltd.	19/04/2022	4350298	22811069.8	
4351211	Huawei Technologies Co., Ltd.	31/12/2021	4351211	21948203.1	
4353017	Huawei Technologies Co., Ltd.	24/05/2022	4353017	22815097.5	
4353146	Vivo Mobile Communication Co., Ltd.	07/06/2022	4353146	22819507.9	
4353457	The Boeing Company	06/09/2023	4353457	23195615.2	
4353466	The Boeing Company	06/09/2023	4353466	23195609.5	
4353581	Ciel et Terre International	15/04/2021	4353581	24160683.9	French

4353999	AISIN CORPORATION	06/06/2022	4353999	22820185.1	
4354675	Samsung Electronics Co., Ltd.	13/07/2022	4354675	22856033.0	
4354905	Sony Group Corporation	09/06/2016	4354905	24158155.2	
4355498	Atlas Copco IAS GmbH	21/07/2022	4355498	22751744.8	German
4355623	Asetek Danmark A/S	11/04/2023	4355623	23719343.8	
4356793	Beko Europe Management S.r.l.	03/10/2023	4356793	23201483.7	
4357161	Sumitomo Rubber Industries, Ltd.	09/10/2023	4357161	23202433.1	
4357167	Nokian Renkaat Oyj	02/10/2023	4357167	23201103.1	
4357276	Koch, Werner	13/10/2023	4357276	23203463.7	German
4357556	Putzmeister Engineering GmbH	21/09/2023	4357556	23198762.9	German
4357566	Calistri, Federico	11/10/2023	4357566	23202963.7	
4357946	Samsung Electronics Co., Ltd.	16/05/2022	4357946	22861507.6	
4357993	The Boeing Company	19/09/2023	4357993	23198224.0	
4358591	Huawei Technologies Co., Ltd.	30/05/2022	4358591	22831578.4	
4359046	Pneuma Respiratory, Inc.	22/06/2022	4359046	22744049.2	
4359254	Wonderland Switzerland AG	21/06/2022	4359254	22734310.0	
4359647	NETZSCH Pumpen & Systeme GmbH	06/12/2021	4359647	21854744.6	German
4360866	Continental Reifen Deutschland GmbH	11/10/2023	4360866	23202897.7	German
4361429	AIRBUS OPERATIONS	23/10/2023	4361429	23205307.4	French
4361436	KES-Tech-Group GmbH	26/10/2022	4361436	22203856.4	German
4362013	Tencent Technology (Shenzhen) Company Limited	17/05/2022	4362013	22827252.2	
4362035	Becton, Dickinson and Company	27/01/2021	4362035	24156117.4	
4362265	Huawei Digital Power Technologies Co., Ltd.	24/10/2023	4362265	23205558.2	
4362387	nChain Licensing AG	24/07/2017	4362387	24162178.8	
4362515	Huawei Technologies Co., Ltd.	10/01/2022	4362515	22831130.4	
4362628	Samsung Electronics Co., Ltd.	16/10/2023	4362628	23203769.7	
4363244	Continental Reifen Deutschland GmbH	23/06/2022	4363244	22741692.2	German
4363316	Tusas- Turk Havacilik Ve Uzay Sanayii Anonim Sirketi	22/06/2022	4363316	22833817.4	
4363675	Revolt Energy S.A.	28/06/2022	4363675	22751432.0	
4363676	Revolt Energy S.A.	28/06/2022	4363676	22751433.8	
4363677	Revolt Energy S.A.	28/06/2022	4363677	22751434.6	
4363678	Revolt Energy S.A.	28/06/2022	4363678	22758264.0	
4363779	Solarcleano S.à r.l.	30/06/2022	4363779	22735001.4	French
4364428	Dolby International AB	28/06/2022	4364428	22741700.3	
4364618	Vorwerk & Co. Interholding GmbH	02/11/2022	4364618	22205063.5	German
4364644	Edenlux Corporation	02/10/2017	4364644	24165559.6	
4364675	Huang, Chu-Hsiung	31/10/2023	4364675	23207111.8	
4364981	NEXION S.p.A.	06/11/2023	4364981	23207972.3	
4365018	Hyundai Transys Inc.	25/10/2023	4365018	23205703.4	
4365759	Samsung Electronics Co., Ltd.	20/07/2022	4365759	22867547.6	
4366069	LG Energy Solution, Ltd.	06/03/2008	4366069	24163130.8	
	Toray Industries, Inc.				
4366182	Nokia Technologies Oy	30/08/2023	4366182	23194276.4	
4366954	SURYS	11/07/2022	4366954	22748034.0	French
4367169	PaperShell AB	06/07/2022	4367169	22744713.3	
4367758	Aircom Automotive Sp. z o.o. Sp. k.	27/06/2022	4367758	22741454.7	German
4368228	ResMed Pty Ltd	17/07/2014	4368228	23210564.3	
4368413	Sumitomo Rubber Industries, Ltd.	31/10/2023	4368413	23206869.2	
4368419	The Goodyear Tire & Rubber Company	07/11/2023	4368419	23208402.0	
4368583	NCH Corporation	10/11/2023	4368583	23209040.7	
4368848	Kabushiki Kaisha F.C.C.	25/09/2023	4368848	23199360.1	
4368897	Beko Europe Management S.r.l.	10/11/2023	4368897	23209173.6	
4369024	MITSUBISHI ELECTRIC CORPORATION	18/08/2021	4369024	21954160.4	
4369150	Toshiba Tec Kabushiki Kaisha	08/09/2023	4369150	23196183.0	
4369374	Hofsaess, Marcel P.	11/05/2020	4369374	24166451.5	German
4369395	Infineon Technologies Austria AG	10/11/2022	4369395	22206772.0	
4369743	Schneider Electric USA Inc.	12/10/2023	4369743	23203221.9	
4370143	Rath, Matthias W.	12/07/2022	4370143	22757342.5	

4370307	DENTSPLY SIRONA Inc.	12/07/2022	4370307	22748339.3	
	Sirona Dental Systems GmbH				
4370399	Faiveley Transport Bochum GmbH	13/06/2022	4370399	22734549.3	German
4370810	PIAGGIO & C. S.P.A.	13/07/2022	4370810	22743591.4	
4370854	Liebherr-Aerospace Toulouse SAS	12/07/2022	4370854	22741521.3	French
4371100	ADB Safegate BV	15/07/2022	4371100	22753630.7	
4371437	Sony Thermo Technology Inc.	09/09/2019	4371437	24165399.7	
4371541	medi GmbH & Co. KG	17/11/2022	4371541	22020565.2	German
4371638	Tomy Company, Ltd.	25/10/2022	4371638	22847399.7	
4371738	LG Energy Solution, Ltd.	12/07/2022	4371738	22842441.2	
4372172	Saint-Gobain Ecophon AB	15/11/2022	4372172	22207410.6	
4372280	Messer SE & Co. KGaA	14/11/2023	4372280	23209867.3	German
4372597	INTEL Corporation	14/08/2015	4372597	24166601.5	
4372708	Verisure Sàrl	30/09/2020	4372708	24166226.1	
4372806	GE Energy Power Conversion Technology Limited	15/11/2022	4372806	22315290.1	
4372828	Jinko Solar (Haining) Co., Ltd.	20/09/2022	4372828	24168510.6	
	ZHEJIANG JINKO SOLAR CO., LTD.				
4372859	Aspen Aerogels, Inc.	01/07/2022	4372859	24167277.3	
4372871	Hyundai Mobis Co., Ltd.	20/10/2023	4372871	23204825.6	
4373092	GE Video Compression, LLC	15/07/2014	4373092	23208252.9	
4373595	Raw Tex International Establishment	30/06/2022	4373595	22743778.7	German
4373667	Federal-Mogul Powertrain LLC	19/07/2022	4373667	22754733.8	
4373708	Caterpillar Inc.	15/07/2022	4373708	22753850.1	
4373773	Giotto Technologies S.r.l.	22/07/2022	4373773	22747789.0	
4374304	Vulog	20/07/2022	4374304	22754846.8	French
4374347	Samsung Electronics Co., Ltd.	07/06/2022	4374347	22892966.7	
4374430	Solarlab Aiko Europe GmbH	08/02/2022	4374430	22712249.6	
4374981	Università degli Studi di Foggia	24/11/2023	4374981	23211883.6	
4375194	AIRBUS OPERATIONS	24/11/2023	4375194	23211881.0	French
4375583	Instituto Politécnico de Viana do Castelo	28/09/2023	4375583	23200621.3	
	Universidade Da Coruña				
4375663	Commissariat à l'Energie Atomique et aux Energies Alternatives	23/11/2023	4375663	23211842.2	French
4375807	Tobii AB	03/11/2023	4375807	23207730.5	
4376407	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	10/06/2020	4376407	23211632.7	
4376460	Datang Mobile Communications Equipment Co., Ltd.	16/06/2022	4376460	22845042.5	
4377147	Wonderland Switzerland AG	26/07/2022	4377147	22755172.8	
4377150	TESCA Pacific	29/04/2022	4377150	22726455.3	French
4377283	Chromaleont S.r.l.	22/07/2022	4377283	22755142.1	
	Sapienza Università di Roma				
4378436	Ontex BV	29/11/2022	4378436	22210316.0	
	Ontex Group NV				
4379137	Plasser & Theurer, Export von Bahnbaumaschinen, Gesellschaft m.b.H.	27/11/2023	4379137	23212309.1	German
4379798	Samsung Electronics Co., Ltd.	21/08/2023	4379798	23192380.6	
4379943	LG Energy Solution, Ltd.	05/02/2008	4379943	24170980.7	
	Toray Industries, Inc.				
4380043	Ecoprogetti S.R.L.	28/11/2023	4380043	23212772.0	
4380045	Honor Device Co., Ltd.	07/09/2023	4380045	23833293.6	
4380089	MediaTek Singapore Pte. Ltd.	29/11/2023	4380089	23213007.0	
4380506	BIONIT LABS SRL	28/07/2022	4380506	22754555.5	
4380637	Zobe Holding SpA	28/07/2022	4380637	22761417.9	
4380884	O.M.E.R. S.p.A.	27/07/2022	4380884	22748484.7	
4381518	Baxter International Inc.	29/07/2022	4381518	22757772.3	
	BAXTER HEALTHCARE SA				
4381980	Anhui Champion Intelligent Manufacturing Technology Co., Ltd	05/09/2022	4381980	22863649.4	
4382093	a Fine House S.A.	05/12/2022	4382093	22386088.3	
4382275	Otrajet Inc.	05/12/2023	4382275	23214214.1	

4382704	Hörmann KG Brockhagen	30/11/2023	4382704	23213202.7	German
4382724	Optimas Oe Solutions, Sasu	07/12/2023	4382724	23214909.6	French
4383499	HAGER-ELECTRO SAS	07/12/2022	4383499	22315313.1	
4383642	Nokia Technologies Oy	17/11/2023	4383642	23210479.4	
4384802	Kommanditgesellschaft Behnk Elektronik GmbH & Co.	22/07/2022	4384802	22741809.2	German
4385588	Tyrolia Technology GmbH	21/11/2023	4385588	23211069.2	German
4385761	Continental Reifen Deutschland GmbH	08/12/2023	4385761	23215378.3	German
4385762	The Goodyear Tire & Rubber Company	06/12/2023	4385762	23214516.9	
4386222	GKF Invest GmbH	11/12/2023	4386222	23215554.9	German
4386253	Eaton Intelligent Power Limited	14/12/2023	4386253	23216582.9	
4388657	QUALCOMM INCORPORATED	25/07/2022	4388657	22757417.5	
4389068	St. Jude Medical, Cardiology Division, Inc.	23/02/2018	4389068	24175073.6	
4389422	Ecoprogetti S.R.L.	21/12/2023	4389422	23219535.4	
4389486	KANZAKI KOKYUKOKI MFG. CO., LTD.	15/12/2023	4389486	23217154.6	
4389529	SMRC Automotive Holdings Netherlands B.V.	04/12/2023	4389529	23213873.5	French
4389614	Goodrich Lighting Systems GmbH & Co. KG	21/12/2022	4389614	22215714.1	
4389618	PackSys Global AG	23/12/2022	4389618	22216288.5	German
4389743	Novalde GmbH	19/12/2022	4389743	22214548.4	
4390031	Nuova Star S.p.A.	15/12/2023	4390031	23217283.3	
4390051	Vermeer Manufacturing Company	13/12/2023	4390051	23216203.2	
4390148	Danfoss Power Solutions (Zhejiang) Co. Ltd	13/12/2023	4390148	23216488.9	
4390213	Music & Lights S.r.l.	19/12/2023	4390213	23217982.0	
4390630	Varitronix (Heyuan) Display Technology Ltd.	05/12/2023	4390630	23214229.9	
4390927	Samsung Electronics Co., Ltd.	25/09/2023	4390927	23199473.2	
4391002	VOLVO TRUCK CORPORATION	19/12/2022	4391002	22214593.0	
4391616	Honor Device Co., Ltd.	09/09/2022	4391616	22894412.0	
4392227	Krones AG	16/08/2022	4392227	22765807.7	German
4392807	Valeo Schalter und Sensoren GmbH	05/08/2022	4392807	22762018.4	German
4393462	Shenzhen Ediapier Technology Limited Sanwa Corporation	06/05/2022	4393462	22859917.1	
4393466	Duan, Zhi	07/09/2023	4393466	23196009.7	
4393559	Salomon S.A.S.	18/12/2023	4393559	23217715.4	French
4393723	Sumitomo Rubber Industries, Ltd.	21/12/2023	4393723	23219078.5	
4393732	Sumitomo Rubber Industries, Ltd.	28/09/2022	4393732	22878407.0	
4393797	The School Corporation Kansai University				
4393797	Hyundai Mobis Co., Ltd.	14/03/2023	4393797	23161649.1	
4393802	Zhejiang CFMOTO Power Co., Ltd.	13/12/2021	4393802	21959140.1	
4393848	Akademia Gornicz-Hutnicza im. Stanisława Staszica w Krakowie	27/03/2023	4393848	23164273.7	
4394162	General Electric Company	14/11/2022	4394162	24176396.0	
4394236	VOLVO TRUCK CORPORATION	02/01/2023	4394236	23150004.2	
4394309	Mitutoyo Corporation	21/12/2023	4394309	23219556.0	
4394525	Samsung Electronics Co., Ltd.	07/07/2022	4394525	22887284.2	
4395095	Huawei Digital Power Technologies Co., Ltd.	21/12/2023	4395095	23219004.1	
4395133	Huawei Digital Power Technologies Co., Ltd.	20/12/2023	4395133	23218432.5	
4395423	CICT Connected and Intelligent Technologies Co., Ltd.	16/11/2022	4395423	22894833.7	
4396009	VALEO SYSTEMES THERMIQUES	29/07/2022	4396009	22757304.5	French
4396602	Oswald, Gordon Kenneth Andrew	01/09/2022	4396602	22782921.5	
4396672	Microsoft Technology Licensing, LLC	06/07/2022	4396672	22748178.5	
4397506	TOYO TIRE CORPORATION	22/12/2023	4397506	23219618.8	
4397536	FAURECIA Sièges d'Automobile	28/11/2023	4397536	23212647.4	French
4397558	Hyundai Mobis Co., Ltd.	17/11/2023	4397558	23210536.1	
4397889	HUTCHINSON	06/01/2023	4397889	23305019.4	

4397967	Rolls-Royce plc	05/12/2023	4397967	23214303.2	
4398362	Nanjing Bochi New Energy Co., Ltd.	06/05/2022	4398362	22866116.1	
4398952	Baxter International Inc.	06/09/2022	4398952	22777863.6	
4399159	BAXTER HEALTHCARE SA Handwerksfreuden - Förderverein zur Erhaltung und Entwicklung von Handwerklicher Kunst und Gestaltung Internationale Akademie für Angewandte Resilienz - Bildung und Forschungsverein der Allumfassenden Gesundheit sowie der Individualität des	02/09/2022	4399159	22777329.8	German
4399433	PLASTIC OMNIUM NEW ENERGIES FRANCE	07/09/2022	4399433	22782469.5	
4399898	Koninklijke Philips N.V.	06/09/2022	4399898	22789164.5	
4400216	Sciencetech Corporation	12/04/2023	4400216	23167574.5	
4400734	Nanjing High-Speed Gear Manufacturing Co., Ltd.	29/12/2023	4400734	23220697.9	
4400966	Apple Inc.	27/05/2021	4400966	24178160.8	
4400977	Samsung Electronics Co., Ltd.	28/12/2023	4400977	23220502.1	
4401140	Samsung Display Co., Ltd.	05/01/2024	4401140	24150575.9	
4401232	LG Energy Solution, Ltd. Toray Industries, Inc.	05/02/2008	4401232	24175234.4	
4401696	Hyperice IP SubCo, LLC	13/09/2022	4401696	22785895.8	
4401842	Aboleris Pharma Nantes Université INSERM (Institut National de la Santé et de la Recherche Médicale)	16/09/2022	4401842	22792787.8	
4401951	SAFRAN	14/09/2022	4401951	22789629.7	French
4402058	Safran Nacelles	12/09/2022	4402058	22783541.0	French
4402138	Boehringer Ingelheim International GmbH Arena Pharmaceuticals, Inc.	09/09/2022	4402138	22785932.9	
4402380	Parker Hannifin EMEA S.à.r.l. Parker-Hannifin Corporation	09/09/2022	4402380	22785942.8	
4402405	Stellantis Auto SAS	29/07/2022	4402405	22760761.1	French
4402532	Commissariat à l'Energie Atomique et aux Energies Alternatives	12/09/2022	4402532	22773732.7	French
4402709	EAO AG	12/09/2022	4402709	22783459.5	German
4403315	Schreiber, Carl Albert	15/12/2022	4403315	22214016.2	German
4403396	TOYOTA JIDOSHA KABUSHIKI KAISHA AISIN CORPORATION	07/12/2023	4403396	23214958.3	
4403852	Delta Electronics, Inc.	23/12/2023	4403852	23220196.2	
4403924	Shenzhen New Industries Biomedical Engineering Co., Ltd.	05/12/2023	4403924	23214323.0	
4404228	Hitachi Energy Ltd	23/01/2023	4404228	23152906.6	
4405201	Stellantis Auto SAS	25/07/2022	4405201	22755260.1	French
4405616	Stellantis Auto SAS	25/07/2022	4405616	22755261.9	French
4407096	Transportation IP Holdings, LLC	16/01/2024	4407096	24152081.6	
4407113	Ubbink B.V. Redeahold Apeldoorn B.V.	25/01/2023	4407113	23153305.0	
4407501	Samsung Electronics Co., Ltd.	27/01/2022	4407501	24182866.4	
4407688	Huawei Technologies Co. Ltd.	25/11/2021	4407688	21965142.9	
4408250	MEIKO Maschinenbau GmbH & Co. KG	04/07/2023	4408250	23738504.2	German
4408308	Arthrex, Inc.	21/09/2022	4408308	22789773.3	
4408488	Alvar Mist ehf	16/09/2022	4408488	22786790.0	
4409043	Fundación del Sector Público Estatal Centro Nacional de Investigaciones Oncológicas Carlos III (F.S.P. CNIO) European Molecular Biology Laboratory	29/09/2022	4409043	22799869.7	
4409568	GOOGLE LLC	14/12/2021	4409568	21844457.8	
4409701	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	27/09/2022	4409701	22786814.8	German

4409778	International Business Machines Corporation	12/09/2022	4409778	22783472.8	
4410045	Telefonaktiebolaget LM Ericsson (publ)	30/09/2022	4410045	22789714.7	
4410621	Robert Bosch GmbH	28/09/2022	4410621	22798183.4	
4410622	Robert Bosch GmbH	28/09/2022	4410622	22798184.2	
4410677	HONDA MOTOR CO., LTD.	01/02/2024	4410677	24155158.9	
4411157	Hamilton Sundstrand Corporation	30/01/2024	4411157	24154812.2	
4411235	PRATT & WHITNEY CANADA CORP.	26/01/2024	4411235	24154187.9	
4411312	TDW Gesellschaft für verteidigungstechnische Wirksysteme mbH	31/01/2023	4411312	23154315.8	German
4411499	Hexagon Technology Center GmbH	06/02/2023	4411499	23155195.3	
4411765	Samsung Electro-Mechanics Co., Ltd.	24/11/2023	4411765	23212000.6	
4411833	ZHEJIANG JINKO SOLAR CO., LTD. JINKO SOLAR CO., LTD.	21/12/2022	4411833	22957615.2	
4412546	Arc Techtionics, Inc.	05/10/2022	4412546	22797232.0	
4412773	Carl Zeiss Vision International GmbH	07/12/2022	4412773	22830854.0	
4412901	Sonaca	03/10/2022	4412901	22798120.6	French
4413307	Hadlauer, Martin	09/11/2022	4413307	22817175.7	German
4413429	Siemens Aktiengesellschaft	14/11/2022	4413429	22814447.3	German
4413504	Koninklijke Philips N.V.	29/09/2022	4413504	22797077.9	
4414142	Schreiber, Carl Albert	15/12/2023	4414142	23216986.2	German
4414492	ZSK Stickmaschinen GmbH	02/02/2024	4414492	24155611.7	German
4414954	Müller, Christian	16/10/2023	4414954	23203753.1	German
4414955	Arlo Technologies, Inc.	02/02/2024	4414955	24155496.3	
4415092	TOYOTA JIDOSHA KABUSHIKI KAISHA	09/01/2024	4415092	24150911.6	
4415271	Huawei Digital Power Technologies Co., Ltd.	07/02/2024	4415271	24156332.9	
4415999	Audi AG	30/08/2022	4415999	22769949.3	German
4416370	BiSN Tec Ltd	29/09/2022	4416370	22786080.6	
4416379	SAFRAN AIRCRAFT ENGINES	14/10/2022	4416379	22801845.3	French
4416415	Alfa Laval Corporate AB	10/10/2022	4416415	22801762.0	
4416451	BAE SYSTEMS plc	10/10/2022	4416451	22792877.7	
4417300	OIY Solutions GmbH	23/01/2024	4417300	24153444.5	German
4417453	VOLVO TRUCK CORPORATION	15/02/2023	4417453	23156860.1	
4418196	BRIDGESTONE CORPORATION	14/10/2022	4418196	22906997.6	
4418718	Mavenir Systems, Inc.	14/02/2024	4418718	24157602.4	
4418993	Lightlab Imaging, Inc.	09/11/2023	4418993	23821784.8	
4419270	TRUMPF Maschinen Austria GmbH & Co. KG.	20/10/2022	4419270	22797629.7	German
4419513	Pharma Mar S.A.	21/10/2022	4419513	22808714.4	
4419580	Dow Global Technologies LLC	10/10/2022	4419580	22800971.8	
4419607	Fenzi AGT Netherlands B.V.	07/10/2022	4419607	22790085.9	
4420036	Giesecke+Devrient ePayments GmbH	20/10/2022	4420036	22808958.7	German
4420593	SCHOTT Corporation SCHOTT AG	05/03/2021	4420593	24187803.2	German
4420745	Life Fitness, LLC	21/02/2024	4420745	24158875.5	
4420853	Hennecke GmbH	09/02/2024	4420853	24156896.3	German
4421008	SCHNEIDER ELECTRIC INDUSTRIES SAS	23/02/2023	4421008	23305241.4	German
4421985	Chiun Mai Communication Systems, Inc.	31/07/2023	4421985	23188637.5	
4422047	Huawei Technologies Co. Ltd.	19/11/2021	4422047	21964422.6	
4422923	Stellantis Auto SAS	07/09/2022	4422923	22782467.9	German
4422971	Mecaer Aviation Group S.p.A.	28/10/2022	4422971	22800826.4	
4423218	Paul Wurth S.A.	20/10/2022	4423218	22809014.8	
4423558	Université de Rennes Centre National de la Recherche Scientifique	28/10/2022	4423558	22813665.1	French
4423582	Safran Electronics & Defense Siemens Aktiengesellschaft	20/10/2022	4423582	22802644.9	
4423598	Microsoft Technology Licensing, LLC	27/07/2022	4423598	22755016.7	

4424483	Mafell AG	09/02/2024	4424483	24156737.9	German
4425056	Atlantic Industrie	16/02/2024	4425056	24158102.4	French
4425344	Rockwell Collins, Inc.	28/02/2024	4425344	24160390.1	
4425354	Chongqing Changan Automobile Co., Ltd.	30/11/2023	4425354	23213272.0	
4426243	Salts Healthcare Limited	04/11/2022	4426243	22803049.0	
4426568	Continental Reifen Deutschland GmbH	21/09/2022	4426568	22789159.5	German
4426959	Schaeffler Technologies AG & Co. KG	03/11/2022	4426959	22813221.3	German
4426991	iCTLab s.r.l.	19/10/2022	4426991	22797508.3	
	Università degli Studi di Catania				
4427101	Siemens Aktiengesellschaft	05/12/2022	4427101	22829767.7	German
4427444	QUALCOMM INCORPORATED	02/11/2022	4427444	22835526.9	
4428503	Ishida Co., Ltd.	29/02/2024	4428503	24160468.5	
4428697	Huawei Technologies Co. Ltd.	26/11/2021	4428697	21965180.9	
4428901	Huawei Technologies Co. Ltd.	28/02/2022	4428901	22927870.0	
4429099	ABB SCHWEIZ AG	10/03/2023	4429099	23161227.6	
4429427	OVH	09/03/2023	4429427	23305321.4	
4429506	Kirav Limited	08/11/2022	4429506	22814043.0	
4429624	Mayborn (UK) Limited	11/11/2022	4429624	22812717.1	
4429722	Boston Scientific Scimed Inc.	22/11/2022	4429722	22839936.6	
4429834	Promostar S.r.L.	19/08/2022	4429834	22769772.9	
4429964	SACMI COOPERATIVA MECCANICI IMOLA	07/11/2022	4429964	22814508.2	
	SOCIETA' COOPERATIVA				
4430257	FIRECO S.R.L. A SOCIO UNICO	12/11/2021	4430257	21835822.4	
4430319	Syntegon Technology GmbH	23/09/2022	4430319	22798241.0	German
4430334	Henn GmbH & Co KG.	08/11/2022	4430334	22817063.5	German
4430430	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	11/11/2022	4430430	22817237.5	German
4430446	Google LLC	04/11/2022	4430446	22823184.1	
4432350	Huawei Technologies Co., Ltd.	09/11/2022	4432350	22903124.0	
4432582	SICK AG	09/02/2024	4432582	24156762.7	German
4432854	Pavan S.p.A.	28/11/2022	4432854	22818120.2	
4433312	Continental Reifen Deutschland GmbH	09/09/2022	4433312	22777221.7	German
4433418	SPECIALTY OPERATIONS FRANCE	18/11/2022	4433418	22818696.1	
4433564	Chevron Japan Ltd.	31/10/2022	4433564	22826693.8	
4433695	BAE SYSTEMS plc	09/11/2022	4433695	22805930.9	
4433799	Expertmed S.r.L.	18/11/2022	4433799	22823621.2	
4433869	ASML Netherlands B.V.	26/10/2022	4433869	22809130.2	
4434300	Nidec PSA Emotors	14/11/2022	4434300	22822622.1	French
4434399	Comfort Office Furniture Co., Ltd Guangdong	29/12/2023	4434399	23220683.9	
4434656	SUMITOMO ELECTRIC INDUSTRIES, LTD.	14/10/2022	4434656	22962107.3	
4434720	KIEFEL GmbH	18/03/2024	4434720	24164022.6	German
4436749	Illinois Tool Works, Inc.	17/11/2022	4436749	22823283.1	
4436848	Stellantis Auto SAS	17/10/2022	4436848	22801850.3	French
4437082	INTERMAG SP. Z O.O	08/12/2022	4437082	22835911.3	
4437441	Nagravision Sàrl	23/11/2022	4437441	22821510.9	
4437640	risomat GmbH & Co. KG	20/03/2023	4437640	23713623.9	German
4438559	LANXESS Deutschland GmbH	28/03/2023	4438559	23164737.1	German
4438560	LANXESS Deutschland GmbH	28/03/2023	4438560	23164738.9	German
4439078	STMicroelectronics International N.V.	12/03/2024	4439078	24162876.7	
4439118	Krohne S.A.S.	11/03/2024	4439118	24162558.1	German
4439168	Suzhou Institute of Nano-tech and Nano-bionics (SINANO) Chinese Academy of Sciences	07/04/2023	4439168	23836705.6	
4439822	Samsung SDI Co., Ltd.	26/03/2024	4439822	24166269.1	
4440369	Koninklijke Philips N.V.	15/11/2022	4440369	22817934.7	
4440385	Yaya B.V.	02/12/2022	4440385	22818917.1	
4440840	Commissariat à l'Energie Atomique et aux Energies Alternatives	09/11/2022	4440840	22817158.3	French
4440918	ZF Friedrichshafen AG	29/11/2022	4440918	22822973.8	German

4441481	E. Zoller GmbH & Co. KG Einstell- und Messgeräte	17/11/2022	4441481	22818030.3	German
4442357	Maschinenfabrik Laska Gesellschaft m.b.H.	26/02/2024	4442357	24159623.8	German
4444248	Syntegon Technology GmbH	13/10/2022	4444248	22808975.1	German
4444998	Schaeffler Technologies AG & Co. KG	28/11/2022	4444998	22822942.3	German
4447041	GOOGLE LLC	10/02/2020	4447041	24198013.5	
4447754	Accora Limited	16/12/2022	4447754	22839413.6	
4448654	ExxonMobil Chemical Patents Inc.	14/12/2022	4448654	22847506.7	
4448870	Plasser & Theurer, Export von Bahnbaumaschinen, Gesellschaft m.b.H.	09/12/2022	4448870	22835278.7	German
4448973	Yara International ASA	13/12/2022	4448973	22835728.1	
4449048	Pointman Armor Concepts B.V.	12/12/2022	4449048	22826231.7	
4449960	TIF GmbH	16/04/2024	4449960	24170477.4	German
4450547	Commissariat à l'Energie Atomique et aux Energies Alternatives	27/03/2024	4450547	24166611.4	French
4451305	Pizzato Elettrica S.r.l.	28/03/2024	4451305	24000039.8	
4451417	Airbus S.A.S.	20/04/2023	4451417	23168911.8	
4452028	SEB S.A.	19/12/2022	4452028	22823130.4	French
4452590	Frigel Firenze S.p.A.	19/12/2022	4452590	22843384.3	
4452981	Chiesi Farmaceutici S.p.A.	21/12/2022	4452981	22843266.2	
4453316	Wirtgen GmbH	14/12/2022	4453316	22838754.4	
4453588	Nissan Motor Co., Ltd.	12/12/2022	4453588	22821561.2	French
4453664	Ampere SAS				
4453664	Manufacture d'Horlogerie Audemars Piguet SA	14/10/2022	4453664	22802116.8	French
4453764	Orange	23/11/2022	4453764	22818849.6	French
4454076	Centre National de la Recherche Scientifique	09/12/2022	4454076	22834605.2	French
	UNIVERSITE DE BORDEAUX				
	Commissariat à l'Energie Atomique et aux Energies Alternatives				
4454194	nChain Licensing AG	17/11/2022	4454194	22818062.6	
4454514	King Slide Works Co., Ltd.	30/10/2023	4454514	23206628.2	
	King Slide Technology Co., Ltd.				
4454986	MAHLE International GmbH	24/04/2023	4454986	23169463.9	
4455856	Purplelec Inc. Co., Ltd	31/07/2023	4455856	23188812.4	
4456302	Eve Energy Co. Ltd.	21/11/2023	4456302	23211114.6	
4456707	Novatex Italia S.p.A	27/12/2022	4456707	22847629.7	
4456967	Axogen Corporation	31/10/2022	4456967	22813825.1	
4457089	I.M.A. Industria Macchine Automatiche S.p.A	22/12/2022	4457089	22847641.2	
4458683	AIRBUS HELICOPTERS	05/05/2023	4458683	23315167.9	
	DEUTSCHLAND GmbH				
	Airbus Helicopters				
4460449	Stellantis Auto SAS	29/11/2022	4460449	22840248.3	French
4461570	Nokian Renkaat Oyj	08/05/2023	4461570	23172084.8	
4462573	Eve Energy Co., Ltd.	06/05/2023	4462573	23751836.0	
4463814	AUTOMOUS OY	19/10/2022	4463814	22797403.7	
4464214	Lang, Christian	16/05/2023	4464214	23173574.7	
4464568	SpeedInnov	16/05/2023	4464568	23305784.3	French
4464989	Krohne AG	11/03/2024	4464989	24162651.4	German
4466170	Stellantis Auto SAS	02/12/2022	4466170	22835462.7	French
4466217	Siemens Aktiengesellschaft	22/02/2023	4466217	23710225.6	German
4466586	Microsoft Technology Licensing, LLC	27/12/2022	4466586	22854446.6	
4467553	Zhejiang University of Technology	22/03/2024	4467553	24165701.4	
	Zhejiang Huaxian Photoelectricity Technology Co., Ltd				
4467834	Da Shiang Technology Co., Ltd.	30/06/2023	4467834	23182620.7	
4469256	Astotec Automotive GmbH	25/01/2023	4469256	23702517.6	German
4469519	Wacker Chemie AG	28/01/2022	4469519	22709590.8	German
4470157	Telefonaktiebolaget LM Ericsson (publ)	28/01/2022	4470157	22706235.3	
4470925	Rolls-Royce plc	20/12/2021	4470925	24206863.3	

4472680	Signify Holding B.V.	24/01/2023	4472680	23701521.9	
4474232	Robert Bosch GmbH	20/01/2023	4474232	23704419.3	
4474554	Memminger-IRO GmbH	04/03/2024	4474554	24161172.2	German
4474555	Memminger-IRO GmbH	07/03/2024	4474555	24162091.3	German
4474556	Memminger-IRO GmbH	13/03/2024	4474556	24163170.4	German
4476764	International Business Machines Corporation	24/01/2023	4476764	23702087.0	
4477577	Zhejiang E-P Equipment Co., Ltd.	12/06/2023	4477577	23178740.9	
4478939	Koninklijke Philips N.V.	15/02/2023	4478939	23704358.3	
4479130	CorTec GmbH	14/02/2023	4479130	23705376.4	
4479634	Siemens Energy Global GmbH & Co. KG	20/01/2023	4479634	23701691.0	German
4480207	Telefonaktiebolaget LM Ericsson (publ)	11/03/2022	4480207	22714408.6	
4481553	Apple Inc.	31/03/2020	4481553	24211972.5	
4481731	Dolby International AB	03/07/2007	4481731	24210746.4	
4482906	Abdoh, Ibrahim y Autef Ibáñez de Alba, Antonio	15/03/2023	4482906	23712484.7	
4483823	Siemens Healthineers AG	29/06/2023	4483823	23182397.2	German
4488082	Schmitz Cargobull AG	03/07/2023	4488082	23182961.5	German
4489067	Infineon Technologies AG	06/07/2023	4489067	23183962.2	
4489992	Bayerische Motoren Werke Aktiengesellschaft	08/02/2023	4489992	23704305.4	German
4491428	HYUNDAI MOTOR COMPANY Kia Corporation	06/11/2023	4491428	23207898.0	
4491483	TOYOTA JIDOSHA KABUSHIKI KAISHA	16/05/2024	4491483	24176348.1	
4491952	LG Electronics Inc.	22/09/2023	4491952	23199024.3	
4494170	The Trustees of Princeton University	08/03/2023	4494170	23716096.5	
4495009	Airbus Helicopters	15/04/2024	4495009	24170339.6	French
4497584	Carl Zeiss Meditec AG	22/07/2024	4497584	24189939.2	German
4498694	Sagemcom Broadband SAS	26/06/2024	4498694	24184636.9	French
4500210	Koninklijke Philips N.V.	22/03/2023	4500210	23712560.4	
4501179	ZT (Fujian) Industrial Co., Ltd.	28/09/2023	4501179	23200544.7	
4503001	VusionGroup GmbH	22/11/2019	4503001	24217908.3	German
4503740	Roku, Inc.	11/07/2024	4503740	24188141.6	
4504477	Evonik Operations GmbH	29/03/2023	4504477	23715516.3	
4504478	Evonik Operations GmbH	29/03/2023	4504478	23716235.9	
4504491	Signify Holding B.V.	28/03/2023	4504491	23715123.8	
4505309	International Business Machines Corporation	29/03/2023	4505309	23715843.1	
4505440	TOP seven GmbH & Co. KG	04/04/2023	4505440	23716570.9	German
4506048	New Horizons Toys Industrial Limited	25/03/2024	4506048	24165803.8	
4509686	Holzbau Schmid GmbH & Co. KG	23/07/2024	4509686	24190265.9	German
4511880	Linxens Holding	09/05/2022	4511880	22737986.4	
4513746	Sonnen Stark GmbH Saint-Gobain Adfors	20/08/2024	4513746	24195387.6	
4518296	Yazaki Corporation	13/08/2024	4518296	24194317.4	
4522234	UV CAST SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA	15/03/2023	4522234	23713167.7	
4523190	VMI Holland B.V.	11/05/2023	4523190	23725243.2	
4523225	HEMOLENS DIAGNOSTICS SPÓLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA	29/09/2023	4523225	23793043.3	
4523319	Aselsan Elektronik Sanayi ve Ticaret Anonim Sirketi	06/06/2023	4523319	23741159.0	
4523498	SMS Group GmbH	22/03/2023	4523498	23717025.3	German
4523606	Optos plc	13/09/2023	4523606	23197119.3	
4525799	Curt G. Joa, Inc.	12/06/2024	4525799	24740662.2	
4526079	ZIERSCH GMBH	01/03/2024	4526079	24709668.8	German
4530263	SCHOTT AG	29/09/2023	4530263	23200790.6	
4530394	TANN Europe GmbH	27/09/2023	4530394	23200243.6	German
4530480	Volvo Car Corporation	27/09/2023	4530480	23199935.0	
4531412	SICK AG	28/09/2023	4531412	23200688.2	German

4532662	Unilever Global IP Limited	16/05/2023	4532662	23727318.0	
4536033	Yeti Coolers, LLC	07/06/2023	4536033	23739425.9	
4536457	Scientific Visual SA	02/06/2023	4536457	23730782.2	
4538647	Bayerische Motoren Werke Aktiengesellschaft	13/10/2023	4538647	23203568.3	
4544143	Luxwall, Inc.	09/11/2023	4544143	23825543.4	
4544364	Beckhoff Automation GmbH	27/07/2023	4544364	23750955.9	German
4545904	Airbus Helicopters	10/07/2024	4545904	24187637.4	French
4545947	Commissariat à l'Energie Atomique et aux Energies Alternatives	26/09/2024	4545947	24202988.2	French
	Ovalie Innovation				
4548152	CooperVision International Limited	23/10/2023	4548152	23800935.1	

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2365879	UCL Business PLC	26/11/2009	2365879	09763996.7	
2366542	REHAU Industries SE & Co. KG	06/06/2008	2366542	11003102.8	German
	bulthaup GmbH & Co KG				
2489566	MAN Truck & Bus SE	15/02/2012	2489566	12000959.2	German
	Technische Universität München				
2523374	Sharp Kabushiki Kaisha	20/12/2010	2523374	10842194.2	
2598082	VISION CRC LIMITED	26/07/2011	2598082	11811639.1	
2719163	Pictometry International Corp.	08/06/2012	2719163	12864857.3	
2726208	Bühler AG	02/07/2012	2726208	12733664.2	German
2737604	Schneider Electric IT Corporation	26/07/2012	2737604	12750902.4	
2775083	SFS Group International AG	06/03/2014	2775083	14158133.0	German
2812111	BASF SE	07/02/2013	2812111	13747145.4	German
2821786	Commissariat à l'Energie Atomique et aux Energies Alternatives	31/05/2013	2821786	14177673.2	French
2834792	Qualcomm Incorporated	15/03/2013	2834792	13713314.6	
2857018	University Court of The University of Dundee	30/04/2010	2857018	14194445.4	
2858355	Sun Patent Trust	20/05/2013	2858355	13793180.4	
2885312	Ionis Pharmaceuticals, Inc.	15/08/2013	2885312	13829306.3	
	Genzyme Corporation				
2893087	EJ EMEA	04/09/2013	2893087	13774721.8	French
2896255	Intel Corporation	25/06/2013	2896255	13836762.8	
2903942	Johns Manville	05/09/2013	2903942	13843516.9	
2915113	Merci	30/10/2013	2915113	13801632.4	French
2918227	NIKE Innovate C.V.	04/01/2013	2918227	14193759.9	
2934741	GE Healthcare Limited	20/12/2013	2934741	13815495.0	
2960806	Tata Consultancy Services Limited	26/06/2015	2960806	15174139.4	
2960970	KURARAY CO., LTD.	19/02/2014	2960970	14754252.6	
2965752	Assia Chemical Industries Ltd.	09/12/2008	2965752	15171262.7	
2976469	Seven Hour Drive, LLC	20/03/2014	2976469	14769609.0	
2986995	Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO	14/04/2014	2986995	14721549.5	
3002477	Astemo, Ltd.	28/09/2015	3002477	15187039.1	
3013960	The University of Western Ontario	26/06/2014	3013960	14817914.6	
3020750	Momentive Performance Materials Japan LLC	04/07/2014	3020750	14822899.2	
3024751	Wavin B.V.	28/07/2014	3024751	14744550.6	
3030226	Kimberly-Clark Worldwide, Inc.	09/07/2014	3030226	14834027.6	
3052989	Onural, Levent	08/12/2014	3052989	14830747.3	
3056140	Withings	16/02/2016	3056140	16155830.9	
3094193	R. J. Reynolds Tobacco Company	15/01/2015	3094193	15736892.9	
3098976	ZTE Corporation	09/07/2014	3098976	14879892.9	
3105341	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	16/02/2015	3105341	15704321.7	
3116672	HOMAG Plattenaufteiltechnik GmbH	29/01/2015	3116672	15704229.2	German
3117526	Samsung Electronics Co., Ltd.	11/03/2015	3117526	15762096.4	
3126893	Kla-Tencor Corporation	30/03/2015	3126893	15774184.4	

3148729	HRL Laboratories, LLC	20/07/2015	3148729	15800057.0	
3154342	BASF Agro B.V.	11/06/2015	3154342	15728004.1	
3164107	Takasago International Corporation	02/07/2015	3164107	15788474.3	
3168056	Shinko Nameplate Co., Ltd.	15/11/2016	3168056	16198848.0	
	Toyoda Gosei Co., Ltd.				
3169073	Sony Group Corporation	09/07/2015	3169073	15818243.6	
3169776	The Regents of the University of California	14/07/2015	3169776	15822737.1	
3170277	Nokia Solutions and Networks Oy	18/07/2014	3170277	14897461.1	
3176434	Edwards Japan Limited	06/07/2015	3176434	15827048.8	
3178325	Universidad de Granada	31/07/2015	3178325	15826994.4	
3179392	Pratt & Whitney Canada Corp.	28/09/2016	3179392	16191213.4	
3182682	Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd.	31/12/2014	3182682	14906322.4	
3194598	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	15/09/2015	3194598	15766124.0	
3199329	Kozel, John A.	03/11/2016	3199329	16197068.6	
3207602	Lumentum Operations LLC	08/10/2015	3207602	15851214.5	
	AMADA CO., LTD.				
3216322	Texas Instruments Incorporated	05/11/2015	3216322	15856757.8	
3218459	Givaudan S.A.	10/11/2014	3218459	14796099.1	
3219174	Texas Instruments Incorporated	16/11/2015	3219174	15858939.0	
3222546	Melodian Co., Ltd.	22/10/2015	3222546	15853167.3	
3222613	Hodogaya Chemical Co., Ltd.	29/07/2011	3222613	17000510.2	
3225243	Opko Renal, LLC	25/04/2008	3225243	17158264.6	
3233878	Emory University	07/12/2015	3233878	15870694.5	
3234120	The Regents of the University of California	14/12/2015	3234120	15870819.8	
3236489	Pac Tech - Packaging Technologies GmbH	25/11/2014	3236489	17151929.1	German
3236755	Folkmar, Jan	25/03/2015	3236755	15762706.8	
3240011	Varex Imaging Corporation	26/04/2017	3240011	17168100.0	
3242300	Murata Manufacturing Co., Ltd.	10/03/2016	3242300	16771645.5	
3246045	OSAKA UNIVERSITY	25/07/2008	3246045	16205655.0	
	Kyushu University				
	National University Corporation				
	Chugai Seiyaku Kabushiki Kaisha				
3247658	Vayeron Pty Ltd	21/01/2016	3247658	16739675.3	
3256067	Circinus Medical Technology, LLC	12/02/2016	3256067	16712559.0	
3256758	Orbital Traction, Ltd.	11/02/2016	3256758	16749839.3	
3262352	Tesla, Inc.	25/02/2016	3262352	16710371.2	
3268652	Morrow, Robert J.	08/03/2016	3268652	16762354.5	
3269547	AGC Inc.	05/07/2017	3269547	17001153.0	
3274974	Carrier Corporation	23/03/2016	3274974	16715676.9	
3275891	Caregen Co., Ltd.	06/02/2017	3275891	17730342.7	
3278613	Samsung Electronics Co., Ltd.	04/04/2016	3278613	16774411.9	
3285598	Cuisine Solutions, Inc.	18/02/2015	3285598	15752392.9	
3291832	UTI Limited Partnership	06/05/2016	3291832	16806951.6	
3292222	Janssen Biotech, Inc.	06/05/2016	3292222	16790187.5	
3292757	Deb IP Limited	07/03/2006	3292757	17195041.3	
3294121	Cardiags	13/05/2016	3294121	16731211.5	French
3294129	Hyperfine, Inc.	12/05/2016	3294129	16793502.2	
3297613	Research Foundation Of The City University Of New York	17/03/2016	3297613	16712656.4	
3297759	Exentis Knowledge GmbH	23/05/2016	3297759	16729997.3	German
3302140	Nike Innovate C.V.	13/05/2016	3302140	16729095.6	
3302635	Sanofi-Aventis Deutschland GmbH	02/06/2016	3302635	16726333.4	
3317565	Innio Jenbacher GmbH & Co OG	30/06/2016	3317565	16740948.1	German
3322370	360 Knee Systems Pty Ltd	14/07/2016	3322370	16823560.4	
3322419	Cornell University	15/07/2016	3322419	16825278.1	
3325456	Anavex Life Sciences Corp.	19/07/2016	3325456	16827324.1	
3325631	Prime Vector Technologies GmbH	15/07/2016	3325631	16741595.9	German
3340245	Adeia Guides Inc.	30/09/2008	3340245	17200222.2	
3345408	MED-EL Elektromedizinische Geräte GmbH	06/07/2016	3345408	16842480.2	
3346505	Shin-Etsu Chemical Co., Ltd.	14/11/2016	3346505	16886814.9	

3350126	De Montfort University	14/09/2016	3350126	16770316.4	German
3353129	Sika Technology AG	22/09/2016	3353129	16775583.4	
3355281	Suprema Inc.	23/11/2016	3355281	16868869.5	
3355339	Thermo Finnigan LLC	30/01/2018	3355339	18154157.4	
3356040	Topsoe A/S	28/09/2016	3356040	16785368.8	
3356885	Cambridge Mechatronics Limited	29/09/2016	3356885	16790674.2	German
3358106	DYWIDAG-Systems International GmbH	02/02/2018	3358106	18154904.9	
3359221	U.R., Anoop Verma, Kavita	29/06/2016	3359221	16741684.1	
3361967	Katalyst Surgical, LLC	03/10/2016	3361967	16782169.3	
3362554	Wake Forest University Health Sciences	14/10/2016	3362554	16856231.2	
3363377	Ethicon LLC	16/02/2018	3363377	18157137.3	German
3364185	Shimadzu Corporation	15/10/2015	3364185	15906247.0	
3365689	Nederlandse Organisatie voor toegepast- natuurwetenschappelijk onderzoek TNO	21/10/2016	3365689	16791460.5	
3367196	The Boeing Company	12/12/2017	3367196	17206765.4	
3369811	Juntendo Educational Foundation	28/10/2016	3369811	16859968.6	
3370105	LG Innotek Co., Ltd.	04/11/2015	3370105	18160094.1	German
3375799	DIC Corporation	20/10/2016	3375799	16863973.0	
3377282	GEA Food Solutions Germany GmbH	21/11/2016	3377282	16798216.4	
3379840	Sumitomo (S.H.I.) Construction Machinery Co., Ltd.	09/07/2013	3379840	18172256.2	
3380161	Sanofi-Aventis Deutschland GmbH	21/11/2016	3380161	16798195.0	
3380447	Institut National de la Santé et de la Recherche Médicale (INSERM) Centre National de la Recherche Scientifique Nantes Université Université d'Angers The Government of The United States of America, as represented by The Secretary, Department of Health and Human Services	24/11/2016	3380447	16801234.2	French
3381748	Valeo Vision	27/03/2018	3381748	18164171.3	
3384341	MB LICENSING S.R.L.	02/12/2016	3384341	16831517.4	
3384973	Ciech Soda Polska S.A.	21/02/2018	3384973	18157896.4	
3389483	neotiv GmbH	13/12/2016	3389483	16843286.2	
3389506	ConMed Corporation	16/12/2016	3389506	16829355.3	German
3389565	Boston Scientific Scimed, Inc. Mayo Foundation for Medical Education and Research	16/12/2016	3389565	16831666.9	
3393258	Danone US, LLC	22/12/2016	3393258	16823533.1	
3394807	Adeia Guides Inc.	20/12/2016	3394807	16825637.8	
3397121	DewertOkin Technology Group Co., Ltd.	30/12/2016	3397121	16828953.6	
3399631	Hyosung Heavy Industries Corporation	22/06/2016	3399631	16881906.8	German
3399817	Huawei Technologies Co., Ltd.	08/01/2016	3399817	16882964.6	
3402257	Panasonic Intellectual Property Management Co., Ltd.	28/11/2016	3402257	16883532.0	
3403199	Kavi Associates, LLC	12/01/2017	3403199	17738954.1	
3409761	Nissan Chemical Corporation Kyoto University	24/07/2013	3409761	18182707.2	
3410276	LG Display Co., Ltd.	01/06/2018	3410276	18175584.4	French
3410985	Medtronic Inc.	30/01/2017	3410985	17704910.3	
3413954	Medtronic MiniMed, Inc.	12/02/2017	3413954	17706380.7	
3418936	Commissariat à l'Energie Atomique et aux Energies Alternatives	19/06/2018	3418936	18178393.7	
3419210	ALMA GmbH	22/06/2017	3419210	17177484.7	
3419816	LM Wind Power A/S	21/02/2017	3419816	17705660.3	French
3422059	Quarkstar LLC	18/07/2014	3422059	18163938.6	
3422062	Sumitomo Electric Industries, Ltd.	17/02/2017	3422062	17756394.7	
3422170	Elo Touch Solutions, Inc.	02/07/2014	3422170	18189572.3	
3422706	Valeo Vision	26/06/2018	3422706	18179858.8	
3425752	Fotona d.o.o.	03/07/2017	3425752	17001127.4	

3426703	Superdielectrics Supercap Ltd	30/11/2016	3426703	16819356.3	
3428611	Microjet Technology Co., Ltd	19/06/2018	3428611	18178500.7	
3429522	Smith & Nephew plc	13/03/2017	3429522	17715527.2	
3431392	Sikorsky Aircraft Corporation	18/07/2018	3431392	18184087.7	
3431647	LG Electronics Inc.	20/10/2017	3431647	17197476.9	
3434414	Klingspor AG	25/07/2018	3434414	18185545.3	German
3435146	LG Electronics Inc.	17/07/2017	3435146	18194202.0	
3436653	In & Tec S.r.l.	02/02/2018	3436653	18707421.6	
3437228	QUALCOMM Incorporated	01/03/2017	3437228	17712576.2	
3438038	JLG Industries, Inc.	26/07/2018	3438038	18185712.9	
3438057	Panasonic Intellectual Property Management Co., Ltd.	04/10/2016	3438057	16896696.8	
3439064	UDC Ireland Limited	10/07/2009	3439064	18196471.9	
3440635	Taleris Global LLP	04/04/2017	3440635	17715711.2	
3444327	Ecolab USA Inc.	07/12/2016	3444327	18190999.5	
3448737	Siemens Mobility GmbH	01/06/2017	3448737	17728154.0	German
3449256	Dendritics	24/04/2017	3449256	17719243.2	French
	Hospices Civils De Lyon				
	Université Claude Bernard Lyon 1				
3450829	ZKW Group GmbH	19/07/2018	3450829	18184502.5	
3454861	Biocodex	11/05/2017	3454861	17727812.4	French
3455564	Stone Mountain Technologies, Inc.	11/05/2017	3455564	17796848.4	
3455671	Hoya Corp.	10/05/2017	3455671	17726400.9	
	Materialise NV				
3456192	Merus N.V.	29/06/2009	3456192	18183994.5	
3458508	Carbios	18/05/2017	3458508	17723437.4	
3459365	Unilever IP Holdings B.V.	22/09/2017	3459365	17192661.1	
3459435	Topcon Corporation	14/09/2018	3459435	18194502.3	
3459441	Genzyme Corporation	08/02/2007	3459441	18188582.3	
3463362	Merck Sharp & Dohme LLC	19/05/2017	3463362	17803324.7	
3465217	F. Hoffmann-La Roche AG	31/05/2017	3465217	17728125.0	
3465273	Topcon Positioning Systems, Inc.	24/05/2016	3465273	16903289.3	
3468317	AT & S Austria Technologie & Systemtechnik Aktiengesellschaft	04/10/2018	3468317	18198723.1	German
3469629	SnapTrack, Inc.	02/12/2016	3469629	16816220.4	German
3469802	Sony Interactive Entertainment LLC	08/06/2017	3469802	17732663.4	
3471313	LG Electronics Inc.	27/07/2017	3471313	17839696.6	
3474540	Secure-IC SAS	20/10/2017	3474540	17306440.3	
3475209	Cortland Industrial LLC	26/06/2017	3475209	17737955.9	
3476972	L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés	25/10/2017	3476972	17198365.3	
	Georges Claude				
3477037	Rottler und Rüdiger und Partner GmbH	26/10/2017	3477037	17198677.1	German
3480004	Theegarten-Pactec GmbH & Co. KG	27/07/2018	3480004	18185969.5	German
3481385	Contera Pharma A/S	11/07/2017	3481385	17742397.7	
3481505	Vanderbilt University	07/07/2017	3481505	17825031.2	
3481856	Vertex Pharmaceuticals Incorporated	06/07/2017	3481856	17754196.8	
3481905	Ricoh Company, Ltd.	03/07/2017	3481905	17740125.4	
3482249	Safilo Società Azionaria Fabbrica Italiana Lavorazione Occhiali S.p.A.	27/06/2017	3482249	17740113.0	
3482330	Google LLC	22/09/2017	3482330	17783623.6	
3482387	BOE Technology Group Co., Ltd.	11/07/2016	3482387	16880192.6	
3483049	Gustav Magenwirth GmbH & Co. KG	06/11/2018	3483049	18204570.8	German
3483203	Han Biomedical Inc.	17/07/2018	3483203	18184071.1	
3484303	Tate & Lyle Solutions USA LLC	13/07/2017	3484303	17745570.6	
3484366	Vioptix, Inc.	17/07/2017	3484366	17831645.1	
3484830	Ecole Polytechnique Fédérale de Lausanne (EPFL)	12/07/2017	3484830	17752176.2	
3485640	InterDigital VC Holdings, Inc.	12/07/2017	3485640	17736970.9	
3485651	Deutsche Telekom AG	10/07/2017	3485651	17742394.4	German
3485708	Hitachi Energy Ltd	12/07/2017	3485708	17742979.2	
3487254	NTT DoCoMo, Inc.	14/07/2017	3487254	17827741.4	

3487784	Graphic Packaging International, LLC	20/07/2017	3487784	17831847.3	
3487916	Solvay SA	20/07/2017	3487916	17745304.0	
3488112	DAIKIN INDUSTRIES, LTD.	17/07/2017	3488112	17746252.0	
3488157	Ademco Inc.	21/07/2017	3488157	17746337.9	
3490428	Cook Medical Technologies LLC	20/07/2017	3490428	17745621.7	
3490429	Verily Life Sciences LLC	25/07/2017	3490429	17749561.1	
3490562	The Board of Trustees of the Leland Stanford Junior University	27/07/2017	3490562	17835300.9	
3491295	HUB STRATEGY INC.	29/07/2016	3491295	16909754.0	
3491785	Ademco Inc.	21/07/2017	3491785	17746607.5	
3492071	Medice Arzneimittel Pütter GmbH & Co. KG	16/11/2018	3492071	18206630.8	
3492795	ContiTech Deutschland GmbH	11/09/2018	3492795	18193577.6	German
3493417	LG Electronics Inc.	25/07/2017	3493417	17834730.8	
3494053	Tetra Laval Holdings & Finance S.A.	31/07/2017	3494053	17751059.1	
3496672	Ottobock SE & Co. KGaA	05/07/2017	3496672	17735531.0	German
3499775	Datang Mobile Communications Equipment Co., Ltd.	24/07/2017	3499775	17838551.4	
3503460	Secure-IC SAS	22/12/2017	3503460	17306928.7	
3508667	Albanese, Pino	31/01/2018	3508667	19155671.1	German
3511816	CANON KABUSHIKI KAISHA	14/01/2019	3511816	19151554.3	
3511983	Samsung Electronics Co., Ltd.	04/01/2019	3511983	19150278.0	
3513120	Valeo Vision	04/08/2017	3513120	17746141.5	French
3517951	Microjet Technology Co., Ltd.	05/12/2018	3517951	18210313.5	
3518989	Krones AG	29/09/2017	3518989	17786834.6	German
3519358	Johnson Matthey Public Limited Company	28/09/2017	3519358	17794110.1	
3522902	Institut national de recherche pour l'agriculture, l'alimentation et l'environnement SORBONNE UNIVERSITE Assistance Publique - Hôpitaux de Paris Institut National de la Santé et de la Recherche Médicale	11/07/2017	3522902	17742686.3	
3523226	Laitram, LLC	03/10/2017	3523226	17859018.8	
3523346	INEOS Styrolution Group GmbH	02/10/2017	3523346	17772745.0	German
3528852	Sangamo Therapeutics, Inc.	19/10/2017	3528852	17861799.9	
3530126	AJINOMOTO CO., INC.	20/10/2017	3530126	17863179.2	
3530247	Daio Paper Corporation	16/10/2017	3530247	17861713.0	
3533295	Signify Holding B.V.	18/10/2017	3533295	17783538.6	
3533603	TI Automotive (Fuldabrück) GmbH	22/02/2018	3533603	19168699.7	German
3534854	Liquid Medical Proprietary Limited	02/11/2017	3534854	17867263.0	
3535649	Microsoft Technology Licensing, LLC	30/10/2017	3535649	17804347.7	
3537796	NTT DoCoMo, Inc.	31/10/2017	3537796	17866780.4	
3537950	Magic Leap, Inc.	07/11/2017	3537950	17869673.8	
3538069	Bussolati, Benedetta Children's Hospital Los Angeles	09/11/2017	3538069	17869951.8	
3538154	Clapp, Lucie H. Arena Pharmaceuticals, Inc.	10/11/2017	3538154	17804042.4	
3540818	LG Energy Solution, Ltd.	11/06/2018	3540818	18822578.3	
3541200	DSM IP Assets B.V.	17/11/2017	3541200	17797665.1	
3541790	Praeventix, LLC Temple University - Of The Commonwealth System of Higher Education	15/11/2017	3541790	17871446.5	
3545407	Phase Change Software LLC	05/12/2017	3545407	17825321.7	
3546580	Hipra Scientific, S.L.U.	09/07/2013	3546580	19174710.4	
3546837	Faber S.p.A.	26/03/2019	3546837	19165212.2	
3547288	CAE Inc.	27/03/2019	3547288	19165610.7	
3547638	AO Kaspersky Lab	14/09/2018	3547638	18194652.6	
3548550	ContiTech Deutschland GmbH	02/11/2017	3548550	17801021.1	German
3548961	Essilor International	26/10/2017	3548961	17791069.2	

3549036	AB Initio Technology LLC	01/12/2017	3549036	17851913.8	French
3549923	Nichia Corporation	25/03/2019	3549923	19164927.6	
3551035	Essilor International	27/10/2017	3551035	17800908.0	
3558268	Xenamed Corp.	21/12/2017	3558268	17884892.5	
3559932	Merck Patent GmbH	18/12/2017	3559932	17822252.7	
3560252	Nokia Technologies Oy	22/12/2016	3560252	16924651.9	
3562320	Mars, Incorporated	15/12/2017	3562320	17829084.7	
3562483	Oligomerix, Inc.	18/12/2017	3562483	17884772.9	
3562777	Yeda Research and Development Co. Ltd	27/12/2017	3562777	17833016.3	German
	B.G. Negev Technologies and Applications Ltd., at Ben-Gurion University				
3563380	Fresenius Medical Care Deutschland GmbH	29/12/2017	3563380	17826253.1	
3563641	Texas Instruments Incorporated	29/12/2016	3563641	16926008.0	
3564677	Korea University Research and Business Foundation	18/04/2019	3564677	19170012.9	
	SNU R&DB Foundation				
3565767	Amcort Rigid Plastics USA, LLC	06/12/2017	3565767	17878099.5	
3568472	Quest Diagnostics Investments LLC	10/01/2018	3568472	18738729.5	French
3568689	Sun Chemical Corporation	09/01/2018	3568689	18702382.5	
3568772	Microsoft Technology Licensing, LLC	28/12/2017	3568772	17835549.1	
3570156	BROTHER KOGYO KABUSHIKI KAISHA	03/08/2011	3570156	19177083.3	
3570513	Siemens Aktiengesellschaft	16/05/2018	3570513	18172675.3	
3577844	NTT DoCoMo, Inc.	02/02/2018	3577844	18708505.5	
3579942	Universal City Studios LLC	08/02/2018	3579942	18706161.9	
3580915	Carrier Corporation	06/02/2018	3580915	18707789.6	French
3582646	Aetrex, Inc.	14/02/2018	3582646	18754982.9	
3583553	Google LLC	17/07/2018	3583553	18749981.9	
3584130	Astemo, Ltd.	13/02/2018	3584130	18753543.0	
3585724	HRL Laboratories, LLC	15/02/2018	3585724	18758110.3	
3587309	Rexnord Flattop Europe S.r.l.	01/07/2019	3587309	19183713.7	
3587577	OliX Pharmaceuticals, Inc.	21/02/2018	3587577	18758086.5	
3587896	Clesse Industries	20/06/2019	3587896	19181412.8	French
3590448	Ethicon LLC	24/06/2016	3590448	19191791.3	
3590516	Taiho Pharmaceutical Co., Ltd.	27/02/2018	3590516	18761224.7	
3592255	Misonix, LLC	05/03/2018	3592255	18763856.4	
3592612	Clear Path LLC	08/03/2018	3592612	18764620.3	
3592861	Stichting Radboud universitair medisch centrum	07/03/2018	3592861	18711860.9	
3592927	Fisher & Paykel Appliances Limited	09/03/2018	3592927	18763203.9	
3593363	AdvanSix Resins & Chemicals LLC	10/03/2018	3593363	18715839.9	German
3594673	ARKRAY, Inc.	04/07/2019	3594673	19184525.4	
3595419	IHI Corporation	06/02/2018	3595419	18764587.4	
	National University Corporation Tokyo University of Agriculture and Technology				
3595518	GE Precision Healthcare LLC	13/03/2018	3595518	18767449.4	
3596838	Qualcomm Incorporated	14/02/2018	3596838	18707582.5	
3596901	Microsoft Technology Licensing, LLC	07/03/2018	3596901	18715302.8	
3597258	Terumo Kabushiki Kaisha	16/03/2018	3597258	18766985.8	German
3597407	System 3R International AB	19/07/2018	3597407	18184337.6	
3598099	ZKW Group GmbH	17/07/2018	3598099	18183924.2	
3598609	LG Electronics Inc.	27/02/2018	3598609	18766738.1	
3598927	TEMCA GmbH & Co. KG	22/07/2019	3598927	19187623.4	
3600254	Exoprother Medical Ltd.	21/03/2018	3600254	18772626.0	
3600294	Clavius Pharmaceuticals, LLC	23/03/2018	3600294	18823320.9	
3601784	Siemens Gamesa Renewable Energy A/S	13/03/2018	3601784	18714158.5	German
3602231	Google LLC	26/10/2017	3602231	17795164.7	
3602266	Micron Technology, Inc.	21/03/2017	3602266	17902573.9	
3602721	Wobben Properties GmbH	22/03/2018	3602721	18713199.0	
3603288	Sharp Kabushiki Kaisha	21/03/2018	3603288	18716768.9	
3603486	Alcon Inc.	07/06/2016	3603486	19191929.9	

3603761	Tencent Technology (Shenzhen) Company Limited	18/07/2018	3603761	18835082.1	
3607493	INTEL Corporation	07/04/2017	3607493	17904518.2	
3607890	Ethicon LLC	26/08/2016	3607890	19194580.7	
3608439	Thinktrans Electronic Materials (Shenzhen) Co., Ltd.	15/03/2018	3608439	18780334.1	
3609912	Equally S.A.	16/04/2018	3609912	18716632.7	
3610232	Ariel Scientific Innovations Ltd.	02/04/2018	3610232	18784199.4	
3610692	Qualcomm Incorporated	13/04/2018	3610692	18721640.3	
3612893	CubicPV Inc.	12/04/2018	3612893	18788265.9	
3614188	Prysmian S.p.A.	16/07/2019	3614188	19186428.9	
3615199	Vapourtec Limited	23/04/2018	3615199	18719172.1	
3618310	Panasonic Intellectual Property Corporation of America	20/04/2018	3618310	18790364.6	
3618656	Bassetto, Valentina	30/04/2018	3618656	18726223.3	
3619120	Storopack Hans Reichenecker GmbH	07/05/2018	3619120	18724193.0	German
3619925	Qualcomm Incorporated	01/05/2018	3619925	18725728.2	
3620778	Shimadzu Corporation	03/07/2017	3620778	17917158.2	
3622361	Flow International Corporation	21/06/2018	3622361	18746031.6	
3622513	Google LLC	12/07/2018	3622513	18755946.3	
3622765	Malikie Innovations Limited	10/05/2017	3622765	17730921.8	
3623464	Kikkoman Corporation	11/05/2018	3623464	18798729.2	
3624927	Sartorius Stedim Biotech GmbH	08/05/2018	3624927	18726351.2	German
3625339	Cathay Biotech Inc. CIBT America Inc.	16/05/2017	3625339	17910224.9	
3625739	Grey Orange Pte. Ltd.	16/05/2017	3625739	17910414.6	
3625791	Telepathy Labs, Inc.	17/05/2018	3625791	18802941.7	
3627305	Huawei Technologies Co., Ltd.	15/06/2017	3627305	17913340.0	
3627667	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	18/09/2018	3627667	18195248.2	
3628188	SCHOTT AG	05/07/2019	3628188	19184594.0	German
3628505	Sihl GmbH	25/09/2018	3628505	18196703.5	
3628807	Tremco CPG Germany GmbH	26/09/2019	3628807	19199829.3	German
3630306	Johnson Health Tech Retail, Inc.	22/05/2018	3630306	18731642.7	
3630779	King's College London Secretary of State for Health and Social Care	30/05/2018	3630779	18730054.6	
3630785	Versum Materials US, LLC	23/05/2018	3630785	18806025.5	
3632644	Yamauchi Corporation	28/05/2018	3632644	18808665.6	
3632865	Verescence France	27/09/2019	3632865	19200261.6	French
3633054	NIPPON STEEL CORPORATION	02/06/2017	3633054	17911443.4	
3633666	Shenzhen China Star Optoelectronics Semiconductor Display Technology Co., Ltd.	13/07/2017	3633666	17911037.4	
3634516	Paragate Medical Ltd.	14/05/2018	3634516	18732918.0	
3634538	Neuroderm Ltd	05/07/2018	3634538	18746300.5	
3635772	Kla-Tencor Corporation	08/07/2018	3635772	18832428.9	
3635924	Analog Devices International Unlimited Company	11/05/2018	3635924	18729187.7	
3636092	Shoei Co., Ltd.	05/03/2018	3636092	18806345.7	
3637832	ZTE Corporation	17/01/2018	3637832	18794060.6	
3638103	Eberhard-Karls-Universität Tübingen	15/06/2018	3638103	18734139.1	German
3638968	Pegaso Industries S.p.A.	15/06/2018	3638968	18740899.2	
3639548	InterDigital CE Patent Holdings	16/06/2017	3639548	17913621.3	
3640354	Ningbo Powerway Alloy Material Co., Ltd	19/07/2018	3640354	18922557.6	
3640709	Samsung Electronics Co., Ltd.	16/04/2019	3640709	19169375.3	
3642991	Nokia Technologies Oy	22/06/2018	3642991	18746336.9	
3643320	International Dehydrated Foods, Inc.	08/07/2014	3643320	19200134.5	
3644098	Hamamatsu Photonics K.K.	19/06/2018	3644098	18821493.6	
3644106	Ningbo Sunny Opotech Co., Ltd.	14/06/2018	3644106	18821055.3	
3644362	Nexperia B.V.	26/10/2018	3644362	18202939.7	
3644679	Beijing Xiaomi Mobile Software Co., Ltd.	20/06/2017	3644679	17914887.9	

3646066	Lantern Unmanned Autonomous Systems LLC	02/07/2018	3646066	18743664.7	
3646445	Valeo Electrification	22/05/2018	3646445	18726463.5	French
3646528	nChain Licensing AG	22/06/2018	3646528	18743865.0	
3647929	NEW H3C INFORMATION TECHNOLOGIES CO., LTD.	26/07/2018	3647929	18839440.7	
3648566	Precision Planting LLC	03/07/2018	3648566	18828369.1	
3649368	Edwards Limited	05/07/2018	3649368	18742565.7	
3649480	Aeye, Inc.	06/07/2018	3649480	18828134.9	
3649486	Focal Point Positioning Limited	28/06/2018	3649486	18739595.9	
3649506	Merck Patent GmbH	02/07/2018	3649506	18733635.9	
3649560	Nalanda Technology Limited	06/07/2018	3649560	18753222.1	
3649753	Kandou Labs, S.A.	03/07/2018	3649753	18828367.5	
3650095	Arkema France	09/11/2018	3650095	18306470.8	
3650918	Hamamatsu Photonics K.K.	06/07/2018	3650918	18828995.3	
3651650	Rush University Medical Center	12/07/2018	3651650	18832330.7	German
3651692	JOTEC GmbH	13/07/2018	3651692	18755135.3	
3651756	Sol-Gel Technologies Ltd.	12/07/2018	3651756	18832337.2	
3651836	SHL Medical AG	02/07/2018	3651836	18733645.8	
3651896	The University Of Liverpool	11/07/2018	3651896	18745680.1	
3652599	Allstate Insurance Company	10/07/2018	3652599	18832223.4	
3652680	Technion Research & Development Foundation Limited	11/07/2018	3652680	18831221.9	
3652685	Intuit Inc.	06/07/2018	3652685	18831327.4	
3652715	Huawei Technologies Co., Ltd.	26/06/2018	3652715	18831254.0	
3653110	Hill-Rom Services, Inc.	12/11/2019	3653110	19208724.5	
3653127	Telefield Medical Imaging Limited	03/07/2018	3653127	18832028.7	
3653974	LG Electronics Inc.	15/11/2019	3653974	19209399.5	
3654312	Clarion Co., Ltd.	25/01/2018	3654312	18831652.5	
3655027	Bruker Cellular Analysis, Inc.	20/07/2018	3655027	18836214.9	
3655112	SEDERMA	17/07/2018	3655112	18745859.1	
3655227	Essex Furukawa Magnet Wire USA LLC	13/07/2018	3655227	18835075.5	
3655903	Malikie Innovations Limited	18/07/2018	3655903	18835767.7	
3656852	RIKEN	20/07/2018	3656852	18836139.8	
	RACTHERA Co., Ltd.				
3656914	ANDRITZ INC.	20/07/2018	3656914	20152838.7	
3657714	LG Electronics Inc.	20/07/2018	3657714	18835657.0	
3657873	LG Electronics Inc.	20/07/2018	3657873	18835550.7	
3658013	Epicore Biosystems, Inc.	24/07/2018	3658013	18839422.5	
3658020	Drowsy Digital, Inc.	26/07/2018	3658020	18752974.8	
3658451	TVS Motor Company Limited	26/07/2018	3658451	18837149.6	
3658571	University of Southern California	27/07/2018	3658571	18837315.3	
3658727	Checkpoint Systems, Inc.	27/07/2018	3658727	18837904.4	
3659117	Baobab Studios, Inc.	25/07/2018	3659117	18837577.8	
3659800	Zeon Corporation	24/07/2018	3659800	18839242.7	
3660052	Dong-A University Research Foundation for Industry-Academy Cooperation	16/08/2017	3660052	17919096.2	
	PRESTIGE BIOPHARMA PTE. LTD.				
3660387	YLX Incorporated	31/01/2018	3660387	18837247.8	
3660572	Hamamatsu Photonics K.K.	30/05/2018	3660572	18839164.3	
3661265	LG Electronics Inc.	27/09/2018	3661265	18858359.5	
3661557	Actinium Pharmaceuticals, Inc.	31/07/2018	3661557	18841765.3	
3662334	Wing Aviation LLC	24/07/2018	3662334	18840419.8	
3662526	Nanograf Corporation	18/07/2018	3662526	18840331.5	
3662551	Ellenberger & Poensgen GmbH	26/06/2018	3662551	18734216.7	German
3663489	Lock II, L.L.C.	18/12/2013	3663489	19219120.3	
3664386	Juniper Networks, Inc.	21/06/2019	3664386	19181598.4	
3666252	KAO CORPORATION	10/07/2018	3666252	18843897.2	
3666897	The University Of Tokyo	31/07/2018	3666897	18840774.6	
	Osaka University				
3667219	ELECTROLUX APPLIANCES	14/12/2018	3667219	18212515.3	
	AKTIEBOLAG				

3667835	Kunshan Junlei Electronic Co., Ltd.	06/12/2019	3667835	19214126.5	
3668214	China Mobile Communication Co., Ltd Research Institute China Mobile Communications Group Co., Ltd	06/07/2018	3668214	18843390.8	
3670082	A.L.M.T. Corp.	18/09/2018	3670082	18865864.5	
3671412	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	11/09/2017	3671412	17924699.6	
3671847	Samsung Electronics Co., Ltd.	21/11/2019	3671847	19210620.1	
3672393	Kverneland Group Ravenna S.r.l.	26/07/2018	3672393	18745940.9	
3674798	Carl Zeiss SMT GmbH ASML Netherlands B.V.	28/07/2011	3674798	20151898.2	
3675139	TOYOBO MC Corporation	31/07/2018	3675139	18848779.7	
3675285	Foxconn (Kunshan) Computer Connector Co., Limited Foxconn Interconnect Technology Limited	05/07/2019	3675285	19184728.4	
3676404	Novartis AG	21/08/2018	3676404	18782185.5	
3677470	Pioneer Corporation	28/08/2018	3677470	18849761.4	
3677561	SAINT-GOBAIN PLACO	17/11/2015	3677561	20159919.8	
3678572	Covidien LP	04/09/2018	3678572	18853152.9	
3680862	Imagination Technologies Limited	09/09/2009	3680862	20160476.6	
3681729	Schattdecor SE	10/09/2018	3681729	18768864.3	German
3682020	Illumina, Inc.	14/09/2018	3682020	18855326.7	
3682260	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	14/09/2018	3682260	18765676.4	
3682657	Thales Dis France SAS	11/09/2018	3682657	18765901.6	
3684065	LG Electronics Inc.	09/07/2014	3684065	20162411.1	
3684193	Lyras DK ApS	19/09/2018	3684193	18780023.0	
3684265	Active Needle Technology Ltd	17/09/2018	3684265	18773593.1	
3685642	Liquidcool Solutions, Inc.	20/09/2018	3685642	18858543.4	
3686827	Tencent Technology (Shenzhen) Company Limited	18/09/2018	3686827	18858056.7	
3687428	Two Birds Medical Pte. Ltd.	28/09/2018	3687428	18862160.1	
3687576	Jazz Pharmaceuticals Research UK Limited	01/10/2018	3687576	18782178.0	
3687592	T.J. Smith & Nephew, Limited	24/09/2018	3687592	18782897.5	
3689229	DENTSPLY SIRONA Inc. Sirona Dental Systems GmbH	30/01/2019	3689229	19000054.7	
3689285	Covidien LP	31/01/2020	3689285	20155010.0	
3689966	POLYPLASTICS CO., LTD.	20/09/2018	3689966	18863321.8	
3690849	StradVision, Inc.	23/01/2020	3690849	20153293.4	
3691235	Vivo Mobile Communication Co., Ltd.	15/08/2018	3691235	18861549.6	
3691705	C. R. Bard, Inc.	04/10/2018	3691705	18864366.2	
3692152	The Broad Institute, Inc. Baylor College of Medicine	04/10/2018	3692152	18863974.4	
3692384	Siemens Healthcare Limited	25/09/2018	3692384	18785837.8	
3693048	Fisher & Paykel Healthcare Limited	26/02/2015	3693048	20166840.7	
3693381	Vegenics Pty Limited	13/02/2014	3693381	19216636.1	
3693882	Carrier Corporation	05/02/2020	3693882	20155648.7	
3695822	Kim, Il Soo	11/10/2018	3695822	18865774.6	
3696776	BRUNSWICK CORPORATION Fell Marine Inc.	13/02/2020	3696776	20157061.1	
3697494	Medtronic, Inc.	17/10/2018	3697494	18800374.3	
3699260	Ecolab USA Inc.	02/02/2007	3699260	19217943.0	
3699458	Safran Transmission Systems	17/02/2020	3699458	20157588.3	French
3699468	Jaguar Land Rover Limited	11/02/2020	3699468	20156659.3	
3699679	LG Electronics Inc.	09/11/2015	3699679	20170225.5	
3700302	TMT Machinery, Inc.	12/09/2018	3700302	18869072.1	
3700752	Hewlett-Packard Development Company, L.P.	23/04/2018	3700752	18723267.3	
3702416	MR Chemie GmbH	13/02/2020	3702416	20157047.0	German
3703014	SHUBIN SR., Steven A.	21/02/2020	3703014	20158891.0	
3703261	NXP USA, Inc.	12/02/2020	3703261	20156952.2	

3703747	Calliditas Therapeutics Suisse SA University Of Southampton	01/11/2018	3703747	18800871.8	
3703784	SANOFI	01/11/2018	3703784	18793227.2	
3704406	Star Valley Energy Technologies, LLC	06/11/2018	3704406	18875051.7	
3704716	NAC International Inc.	29/10/2018	3704716	18873970.0	
3705582	Cepheid	12/07/2016	3705582	20157569.3	
3705882	Nippon Steel Corporation	29/06/2018	3705882	18874184.7	
3706169	Sony Semiconductor Solutions Corporation	16/10/2018	3706169	18872679.8	
3706257	Vivo Mobile Communication Co., Ltd.	22/10/2018	3706257	18872043.7	
3706747	Merck Sharp & Dohme LLC	05/11/2018	3706747	18876835.2	
3708749	Lämmermann, Gerd	28/01/2020	3708749	20153978.0	German
3709448	TE Connectivity Solutions GmbH	09/03/2020	3709448	20161885.7	
3710084	Swedish Orphan Biovitrum AB (publ)	16/11/2018	3710084	18800971.6	
3710595	Gen-Probe Incorporated	15/11/2018	3710595	18812568.6	
3711298	InterDigital VC Holdings, Inc.	13/11/2018	3711298	18812012.5	
3711504	Liu, Tuanfang	18/07/2019	3711504	19186880.1	
3711771	Ikaika Therapeutics, Inc.	01/08/2013	3711771	20152849.4	
3711792	B. Braun Melsungen AG	20/03/2020	3711792	20164528.0	German
3712429	Siemens Gamesa Renewable Energy A/S	22/03/2019	3712429	19164682.7	
3712723	Rockwell Automation Technologies, Inc.	17/03/2020	3712723	20163662.8	
3712802	Robert Bosch GmbH	19/03/2019	3712802	19163822.0	
3713500	National University Hospital (Singapore) Pte Ltd Innovate Pte Ltd National University of Singapore	23/11/2018	3713500	18881842.1	
3715941	Beijing Xiaomi Mobile Software Co., Ltd.	30/10/2019	3715941	19206172.9	
3716051	INTEL Corporation	12/02/2020	3716051	20156846.6	
3716471	SFS Acquisition, LLC.	20/09/2016	3716471	20164840.9	German
3717055	Merit Medical Systems, Inc.	29/11/2018	3717055	18882449.4	
3717073	Colgate-Palmolive Company	29/11/2018	3717073	18822198.0	
3717347	Naval Group	26/11/2018	3717347	18807338.1	French
3717963	Essilor International	27/11/2018	3717963	18804649.4	
3718246	Thales Dis France SAS	28/11/2018	3718246	18807099.9	
3718408	Koninklijke Douwe Egberts B.V.	23/06/2014	3718408	20168879.3	
3718417	DSM IP Assets B.V.	04/04/2016	3718417	20162530.8	
3718456	Robertshaw Italy S.r.L.	25/03/2020	3718456	20165443.1	
3718908	Osaka Sealing Printing Co., Ltd.	01/12/2017	3718908	17933592.2	
3720384	Butterfly Medical Ltd.	03/12/2018	3720384	18885250.3	
3720950	Celyad S.A.	05/12/2018	3720950	18830139.4	
3721422	Rapiscan Holdings, Inc.	07/12/2018	3721422	18885197.6	
3722435	Ferring Ventures Ltd	03/04/2017	3722435	20176019.6	
3723483	Intervet International B.V.	11/12/2018	3723483	18825911.3	
3723930	Elopar Elektrik Ve Otomotiv Parçaları Sanayi Ve Ticaret Anonim Sirketi	05/11/2018	3723930	18889108.9	
3724923	BOE TECHNOLOGY GROUP CO., LTD. Hefei Xinsheng Optoelectronics Technology Co., Ltd.	03/07/2018	3724923	18857404.0	
3725160	Daikin Industries, Ltd.	13/04/2017	3725160	20177413.0	
3725344	B. Braun Melsungen AG	25/03/2020	3725344	20165570.1	German
3725714	Bruns Holding GmbH & Co. KG	16/04/2020	3725714	20169907.1	German
3726854	Sonova AG	05/03/2020	3726854	20161217.3	
3726879	NTT DoCoMo, Inc.	13/12/2017	3726879	17934851.1	
3727596	LVMH Recherche	19/12/2018	3727596	18842782.7	French
3727972	PlusAI, Inc.	28/12/2017	3727972	17935151.5	
3729194	Arkema France	19/12/2018	3729194	18845466.4	French
3729573	Fyzikální ústav AV ČR, v.v.i.	17/05/2019	3729573	19725923.7	
3729612	Valeo Electrification	20/12/2018	3729612	18822359.8	French
3730209	M. Technique Co., Ltd.	02/06/2017	3730209	20172549.6	
3731251	Niko NV	23/04/2020	3731251	20171102.5	
3731556	Vivo Mobile Communication Co., Ltd.	07/01/2019	3731556	19741078.0	
3731904	SANOFI	20/12/2018	3731904	18830806.8	
3732418	Valeo Systemes Thermiques-THS	16/01/2019	3732418	19705778.9	French

3732882	Google LLC	30/01/2019	3732882	19705646.8	German
3733253	Sony Interactive Entertainment Inc.	15/04/2020	3733253	20169649.9	
3734597	Samsung Electronics Co., Ltd.	30/04/2020	3734597	20172271.7	
3735171	InteraXon Inc.	30/11/2018	3735171	18898031.2	
3735726	AFL Telecommunications LLC	19/12/2018	3735726	18836438.4	
3736437	Siemens Gamesa Renewable Energy A/S	09/05/2019	3736437	19173557.0	
3736496	Pratt & Whitney Canada Corp.	11/05/2020	3736496	20173987.7	
3737476	SENSEI LTD	23/01/2019	3737476	19744007.6	
3737964	Robert Bosch GmbH	08/11/2018	3737964	18800610.0	
3737993	e-Vision Smart Optics Inc.	10/01/2019	3737993	19739093.3	
3738015	Booz Allen Hamilton Inc.	08/01/2019	3738015	19738143.7	
3738267	Ubicquia, Inc.	08/01/2019	3738267	19735746.0	
3738507	Delta Tooling Co., Ltd. Hiroshima University	11/01/2019	3738507	19738267.4	
3738611	BioNTech SE Astellas Pharma Inc. TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg- Universität Mainz gemeinnützige GmbH	30/07/2014	3738611	20180951.4	French
3740610	Nike Innovate C.V.	03/01/2019	3740610	19702138.9	
3740948	Kitov Systems Ltd.	15/01/2019	3740948	19751933.3	
3741694	Amazon Technologies, Inc.	10/03/2013	3741694	20175593.1	
3742802	InterDigital Patent Holdings, Inc.	23/06/2015	3742802	20183810.9	
3743005	Bard Peripheral Vascular, Inc.	24/01/2019	3743005	19744582.8	
3743495	Ecolab USA Inc.	28/01/2019	3743495	19704984.4	
3743756	Panduit Corp.	15/01/2019	3743756	19703495.2	
3744477	Tur & Development SL	29/05/2019	3744477	19382431.5	
3745010	A. Raymond et Cie	27/04/2020	3745010	20171649.5	
3745254	Triad National Security, LLC	22/07/2016	3745254	20186875.9	
3745406	Tata Consultancy Services Limited	05/07/2019	3745406	19184695.5	
3745659	Huawei Technologies Co., Ltd.	13/02/2018	3745659	18906625.1	
3745793	NTT DOCOMO, INC.	17/01/2019	3745793	19743107.5	French
3745985	Covidien LP	01/02/2019	3745985	19747135.2	
3746075	Merck Patent GmbH Vertex Pharmaceuticals Incorporated	28/01/2019	3746075	19743925.0	
3746712	Carrier Corporation	02/02/2018	3746712	18708735.8	
3748183	VALEO EMBRAYAGES	26/05/2020	3748183	20176670.6	
3748610	Applied Medical Resources Corporation	12/07/2016	3748610	20186713.2	
3749194	Presidio Medical, Inc.	08/02/2019	3749194	19750457.4	
3749306	The Trustees of Indiana University The Board of Trustees of the University of Illinois	05/02/2019	3749306	19746569.3	
3749703	PPG Industries Ohio Inc.	10/12/2018	3749703	18887230.3	German
3750162	Video Directives, LLC	06/02/2019	3750162	19751356.7	
3750753	BYD Company Limited	30/01/2019	3750753	19751260.1	
3751754	Mitsubishi Electric Corporation	30/01/2019	3751754	19751635.4	
3752051	Neuro Event Labs Oy	15/02/2019	3752051	19754045.3	
3752338	Peridot Print LLC	15/05/2018	3752338	18919120.8	
3752370	ContiTech Deutschland GmbH	07/01/2019	3752370	19700453.4	
3752907	Samsung Electronics Co., Ltd.	13/05/2019	3752907	19820310.1	
3753422	Filtrona Pte. Ltd.	31/07/2013	3753422	20183111.2	
3753588	DEKA Products Limited Partnership	02/11/2012	3753588	20186913.8	
3753702	Zeon Corporation	06/02/2019	3753702	19753691.5	
3754465	THE CALANY Holding S.à.r.l.	18/06/2020	3754465	20180791.4	
3754598	CurveBeam AI Limited	28/05/2020	3754598	20177179.7	
3754669	Essex Furukawa Magnet Wire Japan Co., Ltd.	13/02/2019	3754669	19754238.4	German
3755037	NTT DOCOMO, INC.	14/02/2018	3755037	18906071.8	
3755732	3M Innovative Properties Company	13/02/2019	3755732	19714477.7	
3757126	Novartis AG	04/11/2011	3757126	20187001.1	
3757154	Dexerials Corporation	05/07/2013	3757154	20190473.7	

3757961	VOLKSWAGEN AG	15/05/2020	3757961	20174884.5	German
3758284	Intel Corporation	17/03/2020	3758284	20163614.9	
3758756	The Regents of the University of California University of Pittsburgh - of the Commonwealth System of Higher Education	04/03/2019	3758756	19761388.8	
3758894	Milwaukee Electric Tool Corporation	11/02/2019	3758894	19707560.9	French
3758905	CRISTALUX INTERNATIONAL SARL Vieslet, Jean-Paul	27/02/2019	3758905	19708463.5	
3760330	JFE Steel Corporation	21/02/2019	3760330	19761706.1	
3760493	Seiren Co., Ltd.	26/03/2019	3760493	19774749.6	French
3760514	ALSTOM Holdings	01/07/2020	3760514	20183535.2	
3760739	Sequenom, Inc.	29/07/2015	3760739	20187578.8	
3761097	Sony Semiconductor Solutions Corporation	13/02/2019	3761097	19760433.3	
3761247	Phos Services Ltd	03/07/2019	3761247	19184193.1	
3761618	LG Electronics Inc.	08/06/2018	3761618	18907814.0	
3761934	Drylock Technologies NV	07/03/2019	3761934	19708330.6	
3762289	Kongsberg Maritime AS	06/03/2019	3762289	19764938.7	
3762714	Metis Design Corporation	06/03/2019	3762714	19843963.0	
3763051	QUALCOMM Incorporated	07/03/2019	3763051	19714897.6	German
3763228	Quiris Healthcare GmbH & Co. KG	09/07/2020	3763228	20184960.1	
3763420	Tyco Fire Products LP	09/06/2015	3763420	20176523.7	
3763653	KONE Corporation	12/07/2019	3763653	19186054.3	
3763859	Rovira Trias, Juan Rovira Latorre, Ester Rovira Campdelacreu, Mireia	06/07/2020	3763859	20184269.7	
3764192	The Boeing Company	07/07/2020	3764192	20184379.4	
3764340	HONEYWELL AEROSPACE SAS	06/03/2020	3764340	20161658.8	
3764425	LG CHEM, LTD.	16/09/2019	3764425	19860975.2	
3764531	ALSTOM Holdings	08/07/2020	3764531	20184631.8	French
3765060	CRYOCAPCELL	15/03/2019	3765060	19709757.9	
3765165	Valve Corporation	14/05/2019	3765165	19803733.5	
3765744	Edwards Technologies Vacuum Engineering (Qingdao) Co Ltd	14/03/2019	3765744	19768032.5	
3767365	Fundació Institut de Ciències Fotòniques	15/07/2019	3767365	19382596.5	
3767431	Vivo Mobile Communication Co., Ltd.	15/03/2019	3767431	19766514.4	
3768389	The Procter & Gamble Company	18/03/2019	3768389	19716630.9	
3769363	Cummins, Inc.	11/07/2019	3769363	19833413.8	
3770484	Nitto Denko Corporation	22/03/2019	3770484	19771579.0	
3770805	Bull SAS	20/07/2020	3770805	20186813.0	French
3771079	Grob-Werke GmbH & Co. KG	21/07/2020	3771079	20186908.8	
3771343	Laboratoires Arkopharma Avignon Universite	30/07/2020	3771343	20188730.4	
3771564	Bundesdruckerei GmbH	31/07/2020	3771564	20188815.3	German
3773219	Siemens Medical Solutions USA, Inc.	10/05/2018	3773219	18733707.6	
3773242	Auris Health, Inc.	27/03/2019	3773242	19774321.4	
3773414	Becton Dickinson and Company Limited	09/04/2019	3773414	19719068.9	
3773888	Tufts Medical Center, Inc.	04/04/2019	3773888	19728752.7	
3774992	The Procter & Gamble Company Virginia Polytechnic Institute and State University	29/03/2019	3774992	19718009.4	
3775012	Ascend Performance Materials Operations LLC	29/03/2019	3775012	19717648.0	
3775195	Enzymaster (Ningbo) Bio-Engineering Co., Ltd.	01/04/2019	3775195	19780537.7	
3776041	Northrop Grumman Systems Corporation	25/03/2019	3776041	19715797.7	
3776452	Leica Microsystems CMS GmbH	29/03/2019	3776452	19712815.0	
3776629	Ionicon Analytik Gesellschaft m.b.H.	27/09/2019	3776629	19778992.8	
3777556	Lutetia	06/07/2015	3777556	20190804.3	
3777879	Zensun (Shanghai) Science & Technology, Co., Ltd.	08/10/2012	3777879	20186017.8	French
3777924	TERUMO Kabushiki Kaisha	27/03/2019	3777924	19777032.4	

3778667	Mitsui Chemicals, Inc.	09/04/2019	3778667	19785460.7	
3778739	SEKISUI CHEMICAL CO., LTD.	29/03/2019	3778739	19778204.8	
3778805	TAIYO HOLDINGS CO., LTD.	26/03/2019	3778805	19778185.9	
3779293	Gree Electric Appliances, Inc. of Zhuhai	13/12/2018	3779293	18929878.9	
3779964	Samsung Electronics Co., Ltd.	18/04/2019	3779964	19834166.1	
3780163	IMEC vzw	22/01/2020	3780163	20796681.3	
	Panasonic Holdings Corporation				
3780412	INTEL Corporation	16/08/2019	3780412	19192046.1	
3780722	China Mobile Communication Co., Ltd	28/03/2019	3780722	19781134.2	
	Research Institute				
	CHINA MOBILE COMMUNICATIONS				
	GROUP CO., LTD				
3780835	Huawei Technologies Co., Ltd.	04/04/2018	3780835	18913511.4	
3781087	Stryker Corporation	16/04/2019	3781087	19726525.9	
3781299	Electriq-Global Energy Solutions Ltd.	15/02/2019	3781299	19717133.3	
3781465	Evarts, Jaiden	19/04/2019	3781465	19789424.9	
3781921	Indian Institute of Technology Madras (IIT Madras)	23/07/2019	3781921	19840452.7	
3784130	Hydrostasis, Inc.	25/04/2019	3784130	19791887.3	
3784762	BASF SE	26/04/2019	3784762	19719331.1	
3784799	Sense Biodetection Limited	25/07/2019	3784799	19748909.9	
3785310	BASF SE	23/04/2019	3785310	19719269.3	German
3786075	The Boeing Company	09/07/2019	3786075	20198691.6	
3786669	Rockwell Automation Technologies, Inc.	22/07/2020	3786669	20187084.7	
3787792	Precision Planting LLC	11/04/2019	3787792	19727487.1	
3787894	Central Glass Company, Limited	07/05/2019	3787894	19726768.5	
3788664	Wirtz Manufacturing Company, Inc.	04/06/2019	3788664	19814754.8	
3789447	Henkel AG & Co. KGaA	05/09/2019	3789447	19195499.9	German
3790045	LG Electronics Inc.	17/07/2020	3790045	20186445.1	
3790154	Thermo King LLC	09/09/2020	3790154	20195236.3	
3790796	Volvo Penta Corporation	11/05/2018	3790796	18725157.4	
3791842	Unicharm Corporation	18/06/2019	3791842	19827006.8	
3794158	Entegris, Inc.	15/03/2019	3794158	19804460.4	
3794472	Hewlett-Packard Development Company, L.P.	14/05/2018	3794472	18918987.1	
3794486	Microsoft Technology Licensing, LLC	06/05/2019	3794486	19725464.2	
3795867	SEB S.A.	08/09/2020	3795867	20195143.1	French
3796370	Intel Corporation	19/06/2020	3796370	20181046.2	
3796565	Beijing Xiaomi Mobile Software Co., Ltd.	16/01/2020	3796565	20152243.0	
3796794	JT International SA	15/05/2019	3796794	19725321.4	
3797369	ASSA ABLOY AB	17/05/2019	3797369	19725146.5	
3797720	Biosense Webster (Israel) Ltd.	25/09/2020	3797720	20198413.5	
3797810	TC1 LLC	05/03/2014	3797810	20204601.7	
3798956	UiPath, Inc.	29/09/2020	3798956	20199093.4	
3798977	Robert Bosch GmbH	26/09/2019	3798977	19199905.1	
3799631	Microsoft Technology Licensing, LLC	19/06/2019	3799631	19735127.3	
3800032	China Tobacco Guangdong Industrial Co., Ltd.	12/07/2019	3800032	19934341.9	
3801370	Rutgers, the State University of New Jersey	07/06/2019	3801370	19814148.3	
	New Jersey Institute of Technology				
3802181	Faiveley Transport Tours	03/06/2019	3802181	19748853.9	French
	Etablissements L.Rustin				
3802206	GRAMMER AG	11/06/2019	3802206	19732889.1	German
3802965	Caterpillar Global Mining LLC	06/06/2019	3802965	19733311.5	
3803232	Breakthrough Technologies LLC	29/05/2019	3803232	19814613.6	
3803448	Deutsches Zentrum für Luft- und Raumfahrt e.V.	04/06/2019	3803448	19729702.1	German
3804199	QUALCOMM Incorporated	23/05/2019	3804199	19730627.7	
3804322	Netflix, Inc.	17/05/2019	3804322	19728284.1	
3805369	Fate Therapeutics, Inc.	04/03/2015	3805369	20207188.2	
3805428	Nemaska Lithium Inc.	17/03/2014	3805428	20208340.8	
3805464	Oceaneering International, Inc.	31/03/2017	3805464	20195576.2	

3805628	Ge, Tiehan	01/07/2019	3805628	19839860.4	German
3805818	Dexerials Corporation	16/05/2019	3805818	19808264.6	
3807190	AUTOSTORE TECHNOLOGY AS	11/06/2019	3807190	19730327.4	
3807697	Continental Automotive Technologies GmbH	13/06/2019	3807697	19731933.8	
3808555	LG CHEM, LTD.	17/06/2019	3808555	19818943.3	
3809152	ThinKom Solutions, Inc.	24/09/2020	3809152	20198051.3	
3809256	HP Indigo B.V.	04/06/2014	3809256	20205548.9	
3809409	Dolby International AB	22/06/2015	3809409	20206730.2	
3810305	Saban Ventures Pty Limited	11/06/2019	3810305	19821498.3	
3810806	ClearNote Health, Inc.	24/06/2019	3810806	19745812.8	
3811185	Koninklijke Philips N.V.	20/06/2019	3811185	19730835.6	
3811206	Amazon Technologies, Inc.	11/06/2019	3811206	19734986.3	
3811359	Google LLC	25/06/2018	3811359	18742666.3	
3811804	China Tobacco Hunan Industrial Co., Ltd.	03/07/2019	3811804	19831149.0	
3811851	Suzhou Institute of Biomedical Engineering and Technology Chinese Academy of Sciences	22/10/2019	3811851	19915588.8	
3812079	BAOSHAN IRON & STEEL CO., LTD.	06/03/2020	3812079	20783970.5	
3812833	Samsung Electronics Co., Ltd.	30/07/2020	3812833	20188760.1	
3812895	MellanoX Technologies, Ltd.	15/09/2020	3812895	20196281.8	
3812954	Zenuity AB	21/10/2019	3812954	19204278.6	
3813204	HIROSE ELECTRIC CO., LTD.	14/06/2019	3813204	19824614.2	
3813450	Beijing Xiaomi Mobile Software Co., Ltd.	06/07/2018	3813450	18925237.2	
3814245	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	27/06/2018	3814245	18924581.4	
3814358	Ascentage Pharma (Suzhou) Co., Ltd. Ascentage Pharma Group Corp Limited	10/07/2020	3814358	20837335.7	
3814376	Mor Research Applications Ltd.	26/06/2019	3814376	19826665.2	
3814893	Vsora	21/05/2019	3814893	19737809.4	
3815152	Nextracker LLC	01/07/2019	3815152	19825137.3	
3815310	Capzul Canada Corp.	28/06/2019	3815310	19825142.3	
3815343	Niantic, Inc.	25/06/2019	3815343	19826018.4	
3815629	TERUMO Kabushiki Kaisha	19/07/2019	3815629	19838845.6	
3816214	DAIKIN INDUSTRIES, LTD.	14/06/2019	3816214	19826907.8	
3816872	APPLIED BRAIN RESEARCH INC.	30/10/2020	3816872	20205050.6	French
3817574	ROQUETTE FRERES	03/07/2019	3817574	19734418.7	
3817584	KT&G Corporation	08/04/2020	3817584	20768243.6	
3817587	KT&G Corporation	23/04/2020	3817587	20746838.0	
3817593	KT & G Corporation	14/05/2020	3817593	20760745.8	
3817731	CELISTA PHARMACEUTICALS LLC	03/07/2019	3817731	19829824.2	
3817763	SOTIO Biotech Inc.	02/07/2019	3817763	19831325.6	
3818252	SAFRAN AIRCRAFT ENGINES	02/07/2019	3818252	19733818.9	
3818417	Greubel Forsey S.A.	20/06/2019	3818417	19730836.4	
3818664	Barco N.V.	04/07/2019	3818664	19742139.9	French
3818811	CNH Industrial Belgium N.V.	05/11/2019	3818811	19207276.7	
3820332	PepsiCo, Inc.	09/07/2019	3820332	19834066.3	
3820423	Umano Medical Inc.	10/07/2019	3820423	19834783.3	
3820636	ALD Nanosolutions, Inc.	09/07/2019	3820636	19745899.5	
3820830	SML Limited	15/07/2019	3820830	19837528.9	
3820884	Valneva SE	15/07/2019	3820884	19740375.1	
3820898	invoX Pharma Limited	12/07/2019	3820898	19742152.2	
3821245	Beckman Coulter, Inc.	12/07/2019	3821245	19749885.0	
3821262	LEM International SA	08/07/2019	3821262	19735361.8	
3821281	MAGSEIS FAIRFIELD AS	11/07/2019	3821281	19833077.1	
3821642	QUALCOMM INCORPORATED	10/07/2019	3821642	19745526.4	
3821661	Telefonaktiebolaget LM Ericsson (publ)	11/07/2018	3821661	18743708.2	
3821673	Telefonaktiebolaget LM Ericsson (publ)	08/07/2019	3821673	19833607.5	
3821675	Telefonaktiebolaget LM Ericsson (publ)	10/07/2018	3821675	18925740.5	
3821688	Polyor SARL	02/09/2020	3821688	20194102.8	
3822277	National University Corporation Hokkaido University	04/07/2019	3822277	19835116.5	

3823052	LG Innotek Co., Ltd.	04/07/2019	3823052	19833888.1	
3823124	YOKOGAWA ELECTRIC CORPORATION	12/11/2020	3823124	20207305.2	
3823476	Philip Morris Products S.A.	17/07/2019	3823476	19739623.7	
3823731	Gupilan, Salvador, Camino, Sr.	19/07/2019	3823731	19837531.3	
3823734	Heard, Irvin Kornel Henderson, Steve	22/07/2019	3823734	19842148.9	
3824003	PPG Industries Ohio Inc.	18/07/2019	3824003	19756445.3	
3824175	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO	19/07/2019	3824175	19740026.0	
3824301	Hubbell Incorporated	17/07/2019	3824301	19838254.1	
3825222	Korea Shipbuilding & Offshore Engineering Co., Ltd.	20/06/2019	3825222	19837346.6	
3825863	Amadeus S.A.S.	04/11/2020	3825863	20205628.9	
3826056	BOE Technology Group Co., Ltd.	17/06/2019	3826056	19816491.5	
3826144	Beijing Xiaomi Mobile Software Co., Ltd.	18/07/2018	3826144	18927023.4	
3826513	Cintas Corporate Services, Inc.	22/07/2019	3826513	19841377.5	
3826589	Spyglass Pharma, Inc. The Regents of the University of Colorado, a body corporate	19/07/2019	3826589	19841467.4	
3826905	SABIC Global Technologies B.V.	25/07/2019	3826905	19742382.5	
3827413	Microsoft Technology Licensing, LLC	19/06/2019	3827413	19735132.3	
3827492	Enstall Europe B.V.	19/07/2019	3827492	19749857.9	
3827675	Japan Tobacco Inc.	23/07/2018	3827675	18927884.9	
3828005	Campagnolo S.r.l.	23/11/2020	3828005	20209342.3	
3828123	TADANO LTD.	23/07/2019	3828123	19841431.0	
3828539	Industry-Academic Cooperation Foundation, Kunsan National University	19/07/2019	3828539	19841936.8	
3828841	Yunding Network Technology (Beijing) Co., Ltd.	25/07/2019	3828841	19840870.0	
3828869	Beijing Xiaomi Mobile Software Co., Ltd.	20/05/2020	3828869	20175794.5	
3828906	Sun Electronic Industries Corp.	26/07/2018	3828906	18927658.7	
3829031	Valeo eAutomotive Germany GmbH	05/11/2020	3829031	20205976.2	German
3829547	KRKA, d.d., Novo mesto	26/07/2019	3829547	19749663.1	
3829569	Aperta Biosciences, LLC	26/07/2019	3829569	19840603.5	
3829702	BIOTRONIK SE & Co. KG	22/07/2019	3829702	19748481.9	German
3829756	Nanyang Technological University Kenvue Brands LLC	22/07/2019	3829756	19845555.2	
3830005	ContiTech Deutschland GmbH	17/06/2019	3830005	19731279.6	German
3830044	Corning Incorporated	26/07/2019	3830044	19750029.1	
3830682	Samsung Electronics Co., Ltd.	30/09/2019	3830682	19876177.7	
3830686	Telefonaktiebolaget LM Ericsson (publ)	05/07/2019	3830686	19737706.2	
3830732	Flash App, LLC	29/07/2019	3830732	19844248.5	
3830853	ABB Schweiz AG	27/07/2018	3830853	18927447.5	
3831002	QUALCOMM Incorporated	12/07/2019	3831002	19746319.3	
3831175	LG Electronics Inc.	19/04/2019	3831175	19840535.9	
3831280	Sorin CRM SAS	03/12/2020	3831280	20211524.2	French
3831638	TOYOTA JIDOSHA KABUSHIKI KAISHA	18/09/2020	3831638	20196881.5	
3831774	LG CHEM, LTD.	22/07/2019	3831774	19840337.0	
3831961	Lisen Imprinting Diagnostics Wuxi Co., Ltd	29/07/2019	3831961	19843453.2	
3832062	dormakaba Deutschland GmbH	04/12/2019	3832062	19213671.1	German
3832444	BOE TECHNOLOGY GROUP CO., LTD. Hefei Xinsheng Optoelectronics Technology Co., Ltd.	22/07/2019	3832444	19842043.2	
3832514	Vocalink Limited	06/12/2019	3832514	19214189.3	
3832549	Universität Stuttgart	06/12/2019	3832549	19214013.5	
3832601	OMRON Corporation	14/03/2019	3832601	19919470.5	

3832769	Panasonic Intellectual Property Management Co., Ltd.	05/07/2019	3832769	19844431.7	
3832808	CONNECTEURS ELECTRIQUES DEUTSCH	02/12/2019	3832808	19306545.5	
3832899	Commissariat à l'Energie Atomique et aux Energies Alternatives	30/11/2020	3832899	20210791.8	French
3832937	VIVO MOBILE COMMUNICATION CO., LTD.	02/08/2019	3832937	19848470.1	
3833142	Beijing Xiaomi Mobile Software Co., Ltd.	31/07/2018	3833142	18928353.4	
3833280	malipano GmbH	29/07/2019	3833280	19755823.2	German
3833459	Amazon Technologies, Inc.	30/07/2019	3833459	19759774.3	
3834001	Irlbacher Blickpunkt Glas GmbH	20/12/2019	3834001	19832682.9	German
3834012	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	09/08/2018	3834012	18753163.7	
3834025	Leica Microsystems CMS GmbH	19/07/2019	3834025	19746048.8	German
3834291	Sony Group Corporation	30/07/2019	3834291	19748800.0	
3834519	Nokia Technologies Oy	02/08/2019	3834519	19846960.3	
3835989	ise Individuelle Software und Elektronik GmbH	11/12/2019	3835989	19215394.8	German
3836219	Samsung Display Co., Ltd.	18/03/2019	3836219	19847700.2	
3836716	FUJITSU LIMITED	08/08/2018	3836716	18929064.6	
3837106	Peridot Print LLC	29/10/2018	3837106	18938956.2	
3837397	Technological Resources PTY. Limited	13/08/2019	3837397	19779973.7	
3838271	Areteia Therapeutics, Inc.	11/07/2014	3838271	21155067.8	
3838466	Illinois Tool Works Inc.	11/12/2020	3838466	20213478.9	
3838522	TVI Entwicklung und Produktion GmbH	23/11/2020	3838522	20209141.9	German
3838965	Paul Hartmann AG	19/12/2019	3838965	19217806.9	German
3839251	Wobben Properties GmbH	08/12/2020	3839251	20212592.8	German
3839822	Accenture Global Solutions Limited	02/12/2020	3839822	20211352.8	
3839946	QUALCOMM Incorporated	07/02/2014	3839946	20209067.6	
3840879	Truvian Sciences, Inc.	30/07/2019	3840879	19752798.9	
3841738	Cree Lighting USA LLC	05/07/2019	3841738	19745458.0	
3842887	Yanmar Power Technology Co., Ltd.	11/07/2019	3842887	19852347.4	
3843439	Huawei Technologies Co., Ltd.	23/09/2019	3843439	19866033.4	
3843800	Conti, Michele	30/08/2019	3843800	19779591.7	
3845947	General Electric Company	15/12/2020	3845947	20214129.7	
3846023	HUAWEI TECHNOLOGIES CO., LTD.	05/06/2019	3846023	19867919.3	
3847579	Advanced New Technologies Co., Ltd.	06/09/2019	3847579	19773612.7	
3847866	Panasonic Intellectual Property Corporation of America	12/06/2019	3847866	19857603.5	
3849676	Scott, Tyler	10/09/2019	3849676	19858888.1	
3850099	Helmholtz Zentrum München - Deutsches Forschungszentrum für Gesundheit und Umwelt (GmbH)	10/09/2019	3850099	19780152.5	
3850230	Intelligent Fixings Limited	10/09/2019	3850230	19773362.9	
3850586	AVEVA Software, LLC	10/09/2019	3850586	19859915.1	
3850858	Sonos, Inc.	12/09/2019	3850858	19773326.4	
3851073	J. MORITA MFG. CORP.	14/01/2021	3851073	21151639.8	
3851270	Assemblae	17/01/2020	3851270	20152411.3	
3851714	Helmholtz-Zentrum hereon GmbH Stühff GmbH				
3851714	SISTO Armaturen S.A.	18/01/2021	3851714	21152003.6	German
3852283	Telefonaktiebolaget LM Ericsson (publ)	30/05/2017	3852283	21161842.6	
3852748	Eli Lilly and Company	17/09/2019	3852748	19862391.0	
3853777	Ancestry.com Operations Inc.	19/09/2019	3853777	19862987.5	
3854705	Cryovac, LLC	22/07/2015	3854705	21160369.1	
3855290	Microsoft Technology Licensing, LLC	19/10/2016	3855290	21163413.4	
3855464	Sun Electronic Industries Corp.	20/09/2018	3855464	18934106.8	
3856230	Siemens Healthcare Diagnostics Inc.	26/09/2019	3856230	19865910.4	
3856351	University of South Florida	24/09/2019	3856351	19865417.0	
3856450	Raytheon Company	23/07/2019	3856450	19749536.9	

3856887	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	23/09/2019	3856887	19783227.2	German
3857055	General Electric Renovables España, S.L.	26/09/2019	3857055	19783922.8	German
3857213	Klaus Faber AG	07/11/2019	3857213	19828197.4	
3857331	Synopsys, Inc.	25/09/2019	3857331	19864759.6	
3857758	Panasonic Intellectual Property Corporation of America	04/07/2019	3857758	19742693.5	
3858169	Shenzhen Eigate Technology Co., Ltd.	13/11/2020	3858169	20207444.9	
3859007	FUJIFILM Corporation	09/08/2019	3859007	19865727.2	German
3859274	NCC Italy Società Cooperativa	22/01/2021	3859274	21153002.7	
3859595	Great Wall Motor Company Limited	27/09/2019	3859595	19866078.9	
3859627	Beijing Jingdong Shangke Information Technology Co., Ltd.	19/07/2019	3859627	19866541.6	
3859832	Beijing Jingdong Century Trading Co., Ltd.	24/10/2019	3859832	19876794.9	
3862426	LG Energy Solution, Ltd.	16/03/2016	3862426	20217191.4	German
3862725	DSM IP Assets B.V.	12/07/2017	3862725	21156735.9	
3862751	Daimler Truck AG	04/02/2021	3862751	21155242.7	
3863965	Thermo Finnigan LLC	11/10/2019	3863965	19786953.0	
3864313	Advanced Material Development Limited	11/10/2019	3864313	19872038.5	
3864457	Exonetik Inc.	08/10/2019	3864457	19872203.5	German
3865046	e-Vision Smart Optics Inc.	12/02/2020	3865046	20305131.3	
3865764	ESSILOR INTERNATIONAL	30/07/2018	3865764	21165743.2	
3866492	Thorn Lighting Ltd.	30/07/2018	3866492	21165743.2	
3866492	Sony Group Corporation	03/10/2019	3866492	19870376.1	
3867683	Leica Microsystems CMS GmbH	11/10/2019	3867683	19797572.5	German
3867831	Kit-Ar Limited	13/09/2019	3867831	19773149.0	
3867852	Star Hat Solutions Limited	16/10/2019	3867852	19791335.3	
3868344	Boston Scientific Scimed, Inc.	13/09/2012	3868344	21168121.8	
3868378	TenNor Therapeutics (Suzhou) Limited	12/09/2019	3868378	19874405.4	
3868389	Board of Regents, The University of Texas System	05/05/2014	3868389	21165820.8	French
3868833	Dow Toray Co., Ltd.	15/10/2019	3868833	19874027.6	
3868939	LG Electronics Inc.	17/02/2021	3868939	21157656.6	
3869317	Samsung Electronics Co., Ltd.	03/02/2021	3869317	21155074.4	
3869627	Airbus Operations (S.A.S.)	18/02/2021	3869627	21157960.2	
3870022	Basecamp Vascular	25/10/2019	3870022	19805898.4	German
3870400	Forum US, Inc.	03/10/2019	3870400	19791070.6	
3870410	KUKA Deutschland GmbH	25/10/2019	3870410	19794540.5	
3870427	Solvay Specialty Polymers USA, LLC.	14/10/2019	3870427	19789906.5	
3871291	ViaSat Inc.	17/01/2020	3871291	20741195.0	
3871750	Baldwin Filters, Inc.	15/07/2016	3871750	21170054.7	German
3871891	CANON KABUSHIKI KAISHA	24/02/2021	3871891	21159008.8	
3872212	POSCO Co., Ltd	25/10/2019	3872212	19875923.5	
3872536	Viavi Solutions Inc.	20/07/2018	3872536	21160006.9	
3872790	GE Aviation Systems LLC	28/01/2021	3872790	21154096.8	
3872791	Pablo Air Co., Ltd.	02/12/2020	3872791	20211273.6	German
3873110	Oticon A/S	18/02/2021	3873110	21157897.6	
3874315	Leica Microsystems CMS GmbH	29/10/2019	3874315	19801714.7	
3875425	Leica Instruments (Singapore) Pte. Ltd.	11/09/2019	3875425	19878532.1	
3875496	Ihara Co., Ltd.	26/11/2019	3875496	19893162.8	
3875754	Hanwha Solutions Corporation	03/03/2020	3875754	20160776.9	German
3875931	Siemens Gamesa Renewable Energy A/S	23/08/2019	3875931	19880416.3	
3876026	Hamamatsu Photonics K.K.	06/03/2020	3876026	20161349.4	
3876723	Carl Zeiss Vision International GmbH	30/10/2019	3876723	19808659.7	
3877273	Corteva Agriscience LLC	08/11/2019	3877273	19882570.5	
3877325	Mars, Incorporated	05/11/2019	3877325	19883229.7	German
3877671	Aware Technologies, Inc.	01/11/2019	3877671	19805139.3	
3877671	Eaton Intelligent Power Limited	01/11/2019	3877671	19805139.3	
3878109	Raté APS	03/11/2019	3878109	19798253.1	
3879422	Carrier Corporation	15/12/2020	3879422	20214252.7	
3879626	Datashvili, Leri S.	18/10/2013	3879626	21157199.7	German
3879865	Samsung Electronics Co., Ltd.	15/06/2015	3879865	21171995.0	

3880843	10X Genomics, Inc.	15/11/2019	3880843	19801583.6	German
3880847	Oslo Universitetssykehus HF	15/11/2019	3880847	19861243.4	
3881921	Nittetsu Mining CO., LTD.	11/11/2019	3881921	19884342.7	
3882299	MITSUBISHI GAS CHEMICAL COMPANY, INC.	12/11/2019	3882299	19885245.1	
3882413	Sorkin, Felix, L.	19/03/2020	3882413	20164265.9	
3882522	ELECTROLUX APPLIANCES AKTIEBOLAG	20/03/2020	3882522	20164580.1	
3882917	Arm Ltd	05/03/2021	3882917	21161142.1	
3883193	Holger, Fürstenberger	15/03/2021	3883193	21162687.4	
3883198	Nokia Technologies Oy	18/03/2021	3883198	21163548.7	
3883451	ESSILOR INTERNATIONAL	20/11/2018	3883451	18829978.8	
3883974	Public Joint Stock Company "Sibur Holding"	23/11/2018	3883974	18940631.7	
3884019	Colgate-Palmolive Company	27/12/2018	3884019	18837087.8	
3884850	Sonova AG	04/02/2021	3884850	21155288.0	
3884868	Pie Medical Imaging BV	26/03/2020	3884868	20165750.9	
3884900	Stryker Corporation	25/09/2013	3884900	21167566.5	
3885092	Kabushiki Kaisha Miyanaga	03/10/2019	3885092	19887282.2	
3885350	SFC Co., Ltd.	18/11/2019	3885350	19887592.4	
3885992	Intel Corporation	12/11/2020	3885992	20207152.8	
3886014	Syrius Robotics Co., Ltd.	29/12/2018	3886014	18940536.8	
3886521	Beijing Xiaomi Mobile Software Co., Ltd.	23/11/2018	3886521	18940709.1	
3888637	Xi'an Hanfeng Pharmaceutical Co., Ltd.	28/10/2019	3888637	19890056.5	
3889649	Deere & Company	21/02/2017	3889649	21175088.0	
3890229	Nokia Solutions and Networks Oy	31/03/2020	3890229	20167054.4	
3890617	META TECHNOLOGIES S.R.L.	26/11/2019	3890617	19818261.0	
3891501	Golden State Foods LLC	05/12/2019	3891501	19892440.9	
3892992	Ainos, Inc.	09/04/2021	3892992	21167653.1	
3893040	BOE Technology Group Co., Ltd.	04/12/2018	3893040	18927227.1	
3893194	Sony Semiconductor Solutions Corporation	22/11/2019	3893194	19891813.8	
3893219	Robert Bosch GmbH	02/12/2019	3893219	19829680.8	
3893545	Apple Inc.	24/03/2021	3893545	21164716.9	
3893766	Paragon 28, Inc.	13/12/2019	3893766	19896577.4	
3894088	Technoalpin Holding S.p.A.	11/12/2018	3894088	18836850.0	
3894099	Fraport AG Frankfurt Airport Services Worldwide				
3894099	MMD DESIGN & CONSULTANCY LIMITED	11/12/2019	3894099	19827786.5	
3894122	Milwaukee Electric Tool Corporation	15/01/2020	3894122	20741345.1	
3894700	Cambridge Mechatronics Limited	16/12/2019	3894700	19823978.2	
3894855	Aeirtec Ltd	16/12/2019	3894855	19845823.4	
3895309	RF360 Singapore Pte. Ltd.	29/11/2019	3895309	19813482.7	
3895868	Universidade da Coruña	04/12/2019	3895868	19896865.3	
3896227	Shibata Industrial Co., Ltd.	13/12/2018	3896227	18943094.5	
3896347	Beijing Xiaomi Mobile Software Co., Ltd.	29/12/2020	3896347	20217511.3	
3897701	Cue Biopharma, Inc.	19/12/2019	3897701	19900784.0	
3897924	Entegris, Inc.	25/11/2019	3897924	19898848.7	
3898107	Caterpillar Energy Solutions GmbH	20/12/2019	3898107	19832552.4	
3898139	Breville Pty Limited	16/12/2019	3898139	19898762.0	
3898910	Symrise AG	20/12/2018	3898910	18826662.1	
3898921	Givaudan SA	17/12/2018	3898921	18830770.6	
3899427	Joby Aero, Inc.	19/12/2019	3899427	19897713.4	
3899513	Abbott Diabetes Care Inc.	05/12/2019	3899513	19899938.5	
3900401	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	17/12/2019	3900401	19818155.4	
3900563	SHOEI CO., LTD.	12/12/2019	3900563	19899540.9	
3900777	NS West Inc.				
3900777	The Board of Trustees of the Leland Stanford Junior University	03/07/2019	3900777	21175489.0	
3901447	Novocure GmbH				
3901447	Yamaha Hatsudoki Kabushiki Kaisha	11/07/2019	3901447	19899868.4	

3901469	Hamilton Sundstrand Corporation	20/04/2021	3901469	21169432.8	
3901692	ESSILOR INTERNATIONAL	08/07/2014	3901692	21171240.1	French
3902030	SANYO Electric Co., Ltd.	17/12/2019	3902030	19899059.0	
3902124	NIPPON STEEL CORPORATION	17/12/2019	3902124	19900334.4	
3902536	GNT Pharma Co., Ltd	26/12/2019	3902536	19903186.5	
3902581	Fenwal, Inc.	22/11/2019	3902581	19903632.8	
3902725	Hitachi Astemo France	18/12/2019	3902725	19848966.8	French
3903235	Google LLC	16/05/2019	3903235	19728264.3	
3903358	LG Display Co., Ltd.	21/12/2019	3903358	19901689.0	
3903629	Lion Corporation	26/12/2019	3903629	19903275.6	
3904100	FUJIFILM Corporation	27/11/2019	3904100	19913829.8	
3904939	Leica Microsystems CMS GmbH	28/04/2020	3904939	20171926.7	
3905821	Sony Group Corporation	15/12/2016	3905821	21179769.1	
3905890	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	23/12/2019	3905890	19848978.3	French
3905937	Kimberly-Clark Worldwide, Inc.	17/12/2019	3905937	19907786.8	
3905952	The Vektor Group, Inc. The Regents of the University of California	31/12/2019	3905952	19906798.4	
3906582	Microsoft Technology Licensing, LLC	15/02/2019	3906582	19707672.2	
3906632	Telefonaktiebolaget LM Ericsson (publ)	03/01/2020	3906632	20701506.6	
3907052	Andreas Stihl AG & Co. KG	05/05/2020	3907052	20172954.8	German
3908456	Alcon Inc.	09/01/2020	3908456	20702352.4	
3908478	Ampere SAS	16/12/2019	3908478	19817756.0	French
3909380	QUALCOMM Incorporated	07/01/2020	3909380	20702965.3	
3910304	J. MORITA MFG. CORP.	07/05/2021	3910304	21172732.6	
3910871	Cysec SA	15/05/2020	3910871	20174889.4	
3910969	Fujitsu Limited	10/01/2019	3910969	19908260.3	
3911143	TEVEL AEROBOTICS TECHNOLOGIES LTD	15/01/2020	3911143	20741344.4	
3911231	Yukka Magic LLC	28/02/2020	3911231	20767417.7	
3912029	Siemens Industry Software Inc.	16/01/2019	3912029	19703517.3	
3913550	OMRON Corporation	18/11/2019	3913550	19910896.0	
3915013	Microsoft Technology Licensing, LLC	23/12/2019	3915013	19842991.2	
3915128	Siemens Energy Global GmbH & Co. KG	25/02/2020	3915128	20710775.6	German
3915328	Nokia Technologies Oy	11/02/2020	3915328	20755692.9	
3916034	MITSUBISHI GAS CHEMICAL COMPANY, INC.	20/01/2020	3916034	20744818.4	
3917092	Sony Group Corporation	15/11/2019	3917092	19911328.3	
3918197	Helispeed Holdings Limited	28/01/2019	3918197	19706378.7	
3918580	Eaton Intelligent Power Limited	28/01/2020	3918580	20704392.8	
3919354	Illinois Tool Works Inc.	15/07/2020	3919354	21189132.0	German
3919415	SSI Schäfer s.r.o.	12/05/2021	3919415	21173617.8	German
3919718	National Oilwell Varco, L.P.	04/06/2021	3919718	21177855.0	
3919752	LG Electronics Inc.	02/06/2021	3919752	21177442.7	
3919933	Y. E. Hub Armenia LLC	21/05/2021	3919933	21175243.1	
3919950	Bae, Suk Man	28/01/2020	3919950	20748584.8	
3920010	Hosiden Corporation	01/06/2021	3920010	21177015.1	
3920032	Sony Interactive Entertainment LLC	31/10/2016	3920032	21176355.2	
3920116	Syrius Robotics Co., Ltd.	14/01/2020	3920116	20749622.5	
3920434	Huawei Technologies Co., Ltd.	29/02/2020	3920434	20778413.3	
3920479	CONNECTFREE CORPORATION	31/01/2019	3920479	19913938.7	
3920859	The Johns Hopkins University	06/02/2020	3920859	20751899.4	
3921322	Canwell Biotech Limited	28/01/2020	3921322	20752049.5	
3921428	Vicinivax Holding B.V. RIJKSUNIVERSITEIT GRONINGEN Academisch Ziekenhuis Groningen	07/02/2020	3921428	20705120.2	
3921740	Xilinx, Inc.	25/03/2020	3921740	20720254.0	
3922026	QUALCOMM INCORPORATED	07/02/2020	3922026	20709109.1	
3922028	Beijing Dajia Internet Information Technology Co., Ltd.	05/03/2020	3922028	20769615.4	
3922597	Samsung Electronics Co., Ltd.	11/05/2021	3922597	21173339.9	

3922752	Imec VZW	12/06/2020	3922752	20179637.2	
3922999	FUJIFILM Corporation	28/01/2020	3922999	20769847.3	
3923453	Denso Corporation	02/06/2021	3923453	21177372.6	
3923575	Hangzhou Hikvision Digital Technology Co., Ltd.	09/03/2020	3923575	20770441.2	
3923809	Gentex Corporation	17/02/2020	3923809	20756127.5	
3923830	S.M.A.I.O	13/02/2020	3923830	20704534.5	French
3923937	Servizo Galego De Saúde Fundación Pública Galega Instituto de Investigación Sanitaria de Santiago de Compostela	10/02/2020	3923937	20704023.9	
3924111	Brillux GmbH & Co. KG	11/02/2020	3924111	20705898.3	German
3924845	Hewlett-Packard Development Company, L.P.	14/03/2019	3924845	19919421.8	
3924881	Microsoft Technology Licensing, LLC	05/03/2020	3924881	20715250.5	
3924959	Microsoft Technology Licensing, LLC	30/01/2020	3924959	20709384.0	
3924985	TDK Electronics AG	14/02/2020	3924985	20705691.2	German
3925438	Albert Kerbl GmbH	30/07/2021	3925438	21188864.9	German
3925969	Transfert Plus, S.E.C.	24/11/2016	3925969	21174271.3	
3926432	Hexagon Geosystems Services AG	16/06/2020	3926432	20180301.2	
3926521	Huawei Digital Power Technologies Co., Ltd.	25/11/2019	3926521	19918188.4	
3926861	NEC Platforms, Ltd. NEC Corporation	12/03/2020	3926861	20774015.0	
3926911	Sony Semiconductor Solutions Corporation	31/01/2020	3926911	20755037.7	
3927168	Syngenta Crop Protection AG	18/02/2020	3927168	20759563.8	
3927260	Warsaw Orthopedic, Inc.	16/10/2019	3927260	19915832.0	
3927340	HK inno.N Corporation	17/02/2020	3927340	20759153.8	
3927597	Nissan North America, Inc. NISSAN MOTOR CO., LTD.	22/02/2019	3927597	19915998.9	
3927677	Saudi Arabian Oil Company	04/02/2020	3927677	20709021.8	
3928343	Eaton Intelligent Power Limited	18/02/2020	3928343	20705710.0	
3928389	IPG Photonics Corporation	26/03/2020	3928389	20777912.5	
3928517	Huawei Technologies Co., Ltd.	24/02/2020	3928517	20758453.3	
3928559	Apogee Networks, LLC	29/12/2020	3928559	20829518.8	
3929361	Wacker Neuson Linz GmbH	25/06/2020	3929361	20182123.8	German
3929486	Société BIC	13/12/2016	3929486	21192134.1	
3929667	ETA SA Manufacture Horlogère Suisse	26/06/2020	3929667	20182671.6	French
3930588	Applied Medical Resources Corporation	26/02/2020	3930588	20715551.6	
3932973	Henkel AG & Co. KGaA	01/07/2020	3932973	20183386.0	
3933332	LG Electronics Inc.	13/02/2020	3933332	20763569.9	
3933947	LG Innotek Co., Ltd.	11/02/2020	3933947	21192196.0	
3935250	Griffwerk GmbH	09/03/2020	3935250	20711832.4	German
3935342	HUNTER ENGINEERING COMPANY	05/03/2020	3935342	20715637.3	
3935934	Kuhn SAS	01/07/2021	3935934	21183141.7	French
3936106	Medivr, Inc.	25/03/2021	3936106	21777608.7	
3936154	NantOmics, LLC	12/10/2016	3936154	21192365.1	
3936309	Additive Industries B.V.	09/07/2021	3936309	21184737.1	
3936586	JFE Steel Corporation	26/02/2020	3936586	20766237.0	
3936902	FURUNO ELECTRIC CO., LTD.	05/02/2020	3936902	20767339.3	
3937003	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	10/10/2018	3937003	21191482.5	
3937128	Beijing Baidu Netcom Science and Technology Co., Ltd.	27/08/2021	3937128	21193658.8	
3937149	Fulian Precision Electronics (Tianjin) Co., LTD.	17/06/2021	3937149	21180072.7	
3937354	ALSTOM Holdings	06/07/2021	3937354	21183898.2	French
3937390	Delta Electronics, Inc.	13/05/2021	3937390	21173727.5	
3937465	Proofpoint, Inc.	11/12/2019	3937465	21189408.4	
3937636	Certis Europe B.V.	13/03/2020	3937636	20711165.9	
3939136	SMA Solar Technology AG	03/03/2020	3939136	20708481.5	German
3939146	Valeo Electrification	13/03/2020	3939146	20709241.2	French

3939661	KANEKA CORPORATION	27/02/2020	3939661	20770505.4	
3939898	Unista	12/07/2021	3939898	21184954.2	French
3939935	Commissariat à l'Energie Atomique et aux Energies Alternatives	12/07/2021	3939935	21185139.9	French
3940164	C.R. Laurence Co., Inc.	16/07/2021	3940164	21185999.6	
3940192	Max Wild GmbH TPH Bausysteme GmbH	01/07/2021	3940192	21183182.1	German
3940317	LG Electronics Inc.	08/07/2021	3940317	21184552.4	
3940374	DAIKIN INDUSTRIES, LTD.	27/03/2020	3940374	20783864.0	
3940696	Österreichische Akademie der Wissenschaften	14/07/2021	3940696	21185492.2	
3940737	Schneider Electric Industries SAS	07/07/2021	3940737	21305937.1	
3941069	Korea Advanced Institute of Science and Technology	11/02/2021	3941069	21156689.8	
3941205	Futureco Bioscience, S.A.	16/03/2020	3941205	20710176.7	
3941397	Coremedic GmbH	17/03/2020	3941397	20714496.5	
3941692	Intrinsic Innovation LLC	23/04/2020	3941692	20725375.8	
3942651	Nabki, Frederic Deslandes, Dominic Soer, Michiel Morin-Laporte, Gabriel Taherzadeh-Sani, Mohammad Guimond, Raphael Rahmani, Mohammad Hassan	18/03/2020	3942651	20773113.4	
3942693	Bose Corporation	12/03/2020	3942693	20717457.4	
3943178	SMC Corporation	20/03/2019	3943178	19919747.6	
3943283	tesa SE	19/07/2021	3943283	21186344.4	German
3943375	Sunstar Engineering Inc.	02/03/2020	3943375	20777430.8	
3943394	The Boeing Company	13/07/2021	3943394	21185438.5	
3943450	Solésence, Inc.	02/07/2021	3943450	21183569.9	
3943725	Paccar Inc	20/07/2021	3943725	21186749.4	
3943804	LG Innotek Co., Ltd.	19/03/2020	3943804	20777766.5	
3943833	Linde GmbH	23/07/2020	3943833	20020335.4	
3943987	mitsubishi gas chemical company, inc.	18/03/2020	3943987	20773522.6	
3944002	Carl Zeiss Vision International GmbH	24/07/2020	3944002	20187801.4	German
3944036	Turck Holding GmbH	12/07/2021	3944036	21184955.9	German
3944046	UISEE Technologies (Beijing) Ltd.	28/05/2019	3944046	19919753.4	
3944133	Accenture Global Solutions Limited	27/05/2021	3944133	21176298.4	
3944162	Denso Corporation	05/07/2021	3944162	21183652.3	
3944434	Siemens Aktiengesellschaft	12/07/2021	3944434	21185008.6	German
3944769	Coöperatie Koninklijke Avebe U.A.	30/07/2020	3944769	20188554.8	
3944939	Ledermann GmbH & Co. KG	31/07/2020	3944939	20188974.8	German
3944988	The Boeing Company	06/07/2021	3944988	21183930.3	
3945681	Socionext Inc.	30/07/2020	3945681	20188774.2	
3945739	Cujo LLC	07/07/2021	3945739	21184342.0	
3946081	The Provost, Fellows, Foundation Scholars and the other members of Board, of the College of the Holy and Undivided Trinity of Queen Elizabeth	01/04/2020	3946081	20724932.7	
3946102	Neo Medical SA	26/03/2020	3946102	20721297.8	
3946176	Prosys International Limited	25/03/2020	3946176	20722219.1	
3946789	SAFRAN AIRCRAFT ENGINES	02/04/2020	3946789	20723916.1	French
3946937	Cryovac, LLC	25/03/2020	3946937	20719079.4	
3947012	VOLKSWAGEN AKTIENGESSELLSCHAFT	11/03/2020	3947012	20713847.0	German
3947216	Körber Supply Chain Automation Eisenberg GmbH	18/03/2020	3947216	20714157.3	German
3947368	Dana-Farber Cancer Institute, Inc.	02/04/2020	3947368	20782155.4	
3947782	Controlamatics Corporation	30/03/2020	3947782	20781289.2	
3947811	Toscotec S.p.a.	23/03/2020	3947811	20719763.3	
3948260	Cytiva Sweden AB	23/03/2020	3948260	20714973.3	

3948285	Bionou Research, S.L.	06/04/2020	3948285	20719135.4	
3948494	Microsoft Technology Licensing, LLC	28/01/2020	3948494	20708344.5	
3948515	Sony Group Corporation	20/04/2020	3948515	20721789.4	
3948583	Snap Inc.	18/03/2020	3948583	20720560.0	
3949281	MAPAL Dr. Kress SE & Co. KG	02/04/2020	3949281	20717155.4	German
3949335	McAfee, LLC	24/03/2020	3949335	20782884.9	
3949638	QUALCOMM Incorporated	20/03/2020	3949638	20718105.8	
3951271	Gebr. Kemper GmbH + Co. KG	29/06/2021	3951271	21182437.0	German
3951823	Alps Alpine Co., Ltd.	03/03/2020	3951823	20778056.0	
3951826	LS ELECTRIC CO., LTD.	11/03/2020	3951826	20782115.8	
3952293	NIKON CORPORATION	27/03/2020	3952293	20783884.8	
3952741	ROCHE DIAGNOSTICS A/S	06/04/2020	3952741	20715111.9	
	Aalborg Universitet				
3952781	Stryker Corporation	11/04/2020	3952781	20723691.0	
3952966	ResMed Pty Ltd	07/04/2020	3952966	20788672.2	
3953176	Stahl International B.V.	09/04/2020	3953176	20717987.0	
3953531	GBM WORKS IP B.V.	02/04/2020	3953531	20718587.7	
3953581	Exergyn Ltd.	14/04/2020	3953581	20723995.5	
3953932	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	09/04/2020	3953932	20717660.3	
3954507	Amicro Semiconductor Co., Ltd.	09/11/2019	3954507	19923999.7	
3954514	SCM Group S.p.A.	03/08/2021	3954514	21189274.0	
3954771	Dovetail Genomics, LLC	12/05/2017	3954771	21183227.4	
3955464	MITSUBISHI ELECTRIC CORPORATION	16/03/2020	3955464	20788086.5	
3956797	Snowflake Inc.	31/07/2020	3956797	20892929.9	
3956881	Microsoft Technology Licensing, LLC	16/03/2020	3956881	20718071.2	
3957640	Shanghai Institute of Materia Medica, Chinese Academy of Sciences	20/04/2020	3957640	20791301.3	
	Van Andel Research Institute				
3957965	WOCO Industrietechnik GmbH	20/07/2021	3957965	21186656.1	German
3958058	Chengdu Xgimi Technology Co., Ltd	15/12/2020	3958058	20930651.3	
3958151	Hitachi Astemo, Ltd.	20/04/2020	3958151	20791242.9	
3958288	SPTS Technologies Limited	16/07/2021	3958288	21186252.9	
3958389	LG Energy Solution, Ltd.	02/11/2020	3958389	20897263.8	
3958497	Sun Patent Trust	27/07/2012	3958497	21200904.7	
3961183	CRRC Changchun Railway Vehicles Co., Ltd.	31/07/2020	3961183	20934882.0	
3961733	The University of Tokyo	27/04/2020	3961733	20795038.7	
3962034	Nokia Solutions and Networks Oy	24/08/2021	3962034	21192726.4	
3962297	Philip Morris Products S.A.	22/04/2020	3962297	20720053.6	
3963139	DiversiTech Corporation	03/06/2019	3963139	19931756.1	
3963207	Gast Manufacturing, Inc.	29/04/2020	3963207	20799538.2	
3963381	Molecular Devices, LLC	29/04/2020	3963381	20799268.6	
3963575	Microsoft Technology Licensing, LLC	18/03/2020	3963575	20719808.6	
3964070	Landucci S.r.l.	11/08/2021	3964070	21190891.8	
3964071	Landucci S.r.l.	11/08/2021	3964071	21190893.4	
3964374	TI Automotive Technology Center GmbH	02/07/2021	3964374	21183388.4	German
3964638	LG Electronics Inc.	07/09/2021	3964638	21195178.5	
3965430	LG Electronics Inc.	30/04/2019	3965430	19927273.3	
3965808	Yeditepe Universitesi	08/05/2020	3965808	20804847.0	
3966284	Evonik Operations GmbH	09/05/2020	3966284	20806151.5	
3966432	SAFRAN AIRCRAFT ENGINES	11/06/2020	3966432	20743209.7	French
3967149	ColdSnap, Corp.	15/01/2021	3967149	21199240.9	
3967822	Yotrio Group Co., Ltd.	10/09/2021	3967822	21195955.6	
3968140	Ricoh Company, Ltd.	06/09/2021	3968140	21195094.4	
3968305	Volkswagen Aktiengesellschaft	15/09/2020	3968305	20196200.8	
3968415	Ningde Amperex Technology Ltd.	09/02/2021	3968415	21770876.7	
3968542	Rockwell Collins, Inc.	13/09/2021	3968542	21196422.6	
3968750	HUSQVARNA AB	20/10/2020	3968750	20807198.5	
3968751	HUSQVARNA AB	30/10/2019	3968751	19798742.3	

3969229	VOLKSWAGEN AKTIENGESELLSCHAFT	28/04/2020	3969229	20724014.4	German
3969316	HUSQVARNA AB	19/10/2020	3969316	20807556.4	
3969531	Dow Global Technologies LLC	15/05/2019	3969531	19928496.9	
3969644	University of Limerick	15/05/2020	3969644	20726117.3	
3970010	Microsoft Technology Licensing, LLC	09/04/2020	3970010	20723657.1	
3970121	INTEL Corporation	14/05/2019	3970121	19929054.5	
3970371	Disney Enterprises, Inc.	06/05/2020	3970371	20806741.3	
3970385	Microsoft Technology Licensing, LLC	20/05/2020	3970385	20731699.3	
3970536	Japan Tobacco Inc.	17/05/2019	3970536	19929783.9	
3970549	Winning One Co., Ltd.	29/10/2020	3970549	20883547.0	
3970575	SEB S.A.	09/09/2021	3970575	21195656.0	French
3970955	The Boeing Company	05/07/2021	3970955	21183660.6	
3971598	Allegro MicroSystems, LLC	18/09/2020	3971598	20315414.1	
3972352	Huawei Technologies Co., Ltd.	05/06/2020	3972352	20831120.9	
3972522	Dental Monitoring	20/05/2020	3972522	20726474.8	French
3972562	Monarch Bioimplants GmbH Università Degli Studi Di Torino	18/05/2020	3972562	20726566.1	
3972610	University of Massachusetts	19/05/2020	3972610	20810554.4	
3972884	Siemens Mobility GmbH	03/06/2020	3972884	20732779.2	German
3973045	Solarclean Fuels, LLC	21/05/2020	3973045	20809886.3	
3973106	ArcelorMittal	20/05/2019	3973106	19737207.1	
3973547	Westinghouse Electric Company Llc	19/05/2020	3973547	20730926.1	
3973593	Cambium Networks Ltd	20/05/2020	3973593	20734248.6	
3973752	Iceotope Group Limited	21/05/2020	3973752	20729165.9	
3973960	Atriva Therapeutics GmbH	17/10/2018	3973960	21185183.7	
3975049	Dexerials Corporation	03/06/2021	3975049	21818514.8	
3975332	VIVO MOBILE COMMUNICATION CO., LTD.	13/05/2020	3975332	20809128.0	
3975413	CANON KABUSHIKI KAISHA	23/09/2021	3975413	21198451.3	
3976741	Biopolinex Sp. z o.o.	01/06/2020	3976741	20747158.2	
3977440	Ingallinera, Giovanni	27/05/2019	3977440	19752740.1	
3978711	IMAC Engineering Co., Ltd.	29/05/2019	3978711	19930731.5	
3979136	SHENZHEN GOODIX TECHNOLOGY CO., LTD.	07/08/2020	3979136	20922472.4	
3979463	Denso Corporation	20/05/2020	3979463	20812593.0	
3980307	Lit Motors Corporation	10/06/2020	3980307	20823265.2	
3980359	Belvac Production Machinery, Inc.	03/06/2020	3980359	20747248.1	
3980526	Unicyte EV AG	09/06/2020	3980526	20731085.5	
3980834	Johnson Matthey Public Limited Company	18/05/2020	3980834	20728169.2	
3980932	Waymo LLC	08/07/2020	3980932	20750916.7	
3980982	A.D Knight Ltd.	07/06/2020	3980982	20819195.7	
3981278	ASICS Corporation	28/06/2019	3981278	19935274.1	
3981303	Kunststofftechnik Schedel GmbH	21/09/2021	3981303	21198125.3	German
3982174	Nippon Kayaku Kabushiki Kaisha	24/03/2020	3982174	20776446.5	
3982356	Guangzhou Lava Music LLC.	08/06/2020	3982356	20819020.7	
3982363	Yamaha Corporation	07/10/2021	3982363	21201420.3	
3983225	Siemens Energy Global GmbH & Co. KG	09/07/2020	3983225	20746876.0	German
3983416	Nxera Pharma UK Limited	12/06/2020	3983416	20734276.7	
3983417	Nxera Pharma UK Limited	12/06/2020	3983417	20734277.5	
3983774	Brembo S.p.A.	12/06/2020	3983774	20739767.0	
3983960	Google LLC	28/07/2020	3983960	20757079.7	
3984157	QUALCOMM INCORPORATED	12/05/2020	3984157	20729487.7	
3984523	Neurocrine Biosciences, Inc. Sanofi	06/12/2019	3984523	21213854.9	
3985760	LG Energy Solution, Ltd.	09/06/2020	3985760	20822391.7	
3985777	LG Energy Solution, Ltd.	09/06/2020	3985777	20823607.5	
3985970	Wilus Institute of Standards and Technology Inc.	10/06/2020	3985970	20822036.8	
3986245	Eyesoft	19/06/2020	3986245	20736257.5	French
3986251	Digital Diagnostics Inc.	15/06/2020	3986251	20825716.2	
3986519	Perfuze Limited	17/06/2020	3986519	20733760.1	

3986526	Microneedles Inc.	19/06/2020	3986526	20827539.6	
3986816	Trützschler Group SE	07/02/2020	3986816	20705632.6	German
3986968	Dow Silicones Corporation	21/06/2019	3986968	19933825.2	
3987141	ASSA ABLOY Entrance Systems AB	17/06/2020	3987141	20734477.1	
3987914	Positec Power Tools (Suzhou) Co., Ltd	18/06/2020	3987914	20826655.1	
3988040	Biedermann Technologies GmbH & Co. KG	11/10/2021	3988040	21202039.0	
3988421	CRRC Qingdao Sifang Co., Ltd.	18/05/2020	3988421	20825973.9	
3988447	AIRBUS OPERATIONS (S.A.S.)	18/10/2021	3988447	21203255.1	French
3988464	Mayr-Melnhof Karton AG	21/10/2021	3988464	21203899.6	German
3989395	Hitachi Energy Ltd	02/11/2017	3989395	21208125.1	
3989407	Mahle International GmbH	20/10/2020	3989407	20202796.7	
3989427	ABB Schweiz AG	23/10/2020	3989427	20203666.1	
3989746	HZAT, LLC	26/06/2020	3989746	20832320.4	
3989895	VISION ENGINEERING ITALY SRL	25/06/2020	3989895	20735243.6	
3990077	ResMed Asia Pte Ltd	24/06/2020	3990077	20831235.5	
3990173	IFP Energies nouvelles	16/06/2020	3990173	20731886.6	French
3990313	Waymo LLC	22/07/2020	3990313	20848589.6	
3990348	Interactive Fully Electrical Vehicles S.r.l.	23/06/2020	3990348	20740398.1	
3990363	Klean Kanteen, Inc.	26/06/2020	3990363	20833032.4	
3990546	SHPP Global Technologies B.V.	26/06/2020	3990546	20743337.6	
3991516	Chemelex Europe GmbH	26/06/2020	3991516	20750353.3	
3991652	i-Sens, Inc.	18/03/2020	3991652	20849455.9	
3992246	Kolon Plastics, Inc.	13/05/2021	3992246	21845530.1	
3992385	Samwon Act Co., Ltd.	24/06/2020	3992385	20831612.5	
3992946	GE Aviation Systems Limited	07/10/2021	3992946	21201538.2	
3993588	Valeo eAutomotive Germany GmbH	13/09/2021	3993588	21196251.9	German
3993685	LG Electronics Inc.	03/07/2020	3993685	20837141.9	
3994032	The Braun Corporation	01/07/2020	3994032	20834723.7	
3994036	Constellium Singen GmbH	30/06/2020	3994036	20734429.2	
3994329	Lankhorst Engineered Products B.V.	03/07/2020	3994329	20737302.8	
3994333	Schlumberger Technology B.V.	02/07/2020	3994333	20835559.4	
3994504	CommScope Connectivity Belgium BVBA	01/07/2020	3994504	20736629.5	
3994507	Schott Glass Technologies (Suzhou) Co. Ltd.	01/07/2019	3994507	19936353.2	
3994587	ServiceNow, Inc.	01/07/2020	3994587	20743927.4	
3995767	LG Electronics Inc.	06/07/2020	3995767	20836290.5	
3995864	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	03/07/2020	3995864	20834787.2	
	National University Corporation Hokkaido University				
	National University Corporation Tokai				
	National Higher Education and Research System				
3996098	Dassault Systemes Deutschland GmbH	26/10/2021	3996098	21204756.7	
3996139	LG Electronics Inc.	01/07/2019	3996139	19936069.4	
3996202	Aptiv Technologies AG	18/10/2021	3996202	21203201.5	
3996308	LG Electronics Inc.	03/07/2019	3996308	19935858.1	
3996309	LG Electronics Inc.	03/07/2019	3996309	19936123.9	
3996310	Datang Mobile Communications Equipment Co., Ltd.	30/06/2020	3996310	20835131.2	
3996479	Baidu USA LLC	02/03/2022	3996479	22159820.4	
3996617	Cohen, David	09/07/2020	3996617	20836222.8	
3996621	Aesculap AG	10/07/2020	3996621	20739971.8	German
3996645	Crea IP B.V.	08/07/2020	3996645	20739484.2	
3996798	Bioness Inc.	08/07/2020	3996798	20837675.6	
3996967	Siemens Mobility GmbH	17/04/2020	3996967	20721478.4	German
3996990	SAFRAN AIRCRAFT ENGINES	09/07/2020	3996990	20750342.6	French
3996999	Sonoco Development Inc.	07/07/2020	3996999	20743941.5	
3997000	Sonoco Development Inc.	07/07/2020	3997000	20743557.9	
3997317	SAFRAN AIRCRAFT ENGINES	08/07/2020	3997317	20751183.3	French
3997401	LG Electronics Inc.	09/07/2020	3997401	20836556.9	

3997465	ABB SCHWEIZ AG	10/07/2019	3997465	19937338.2	
3997485	Google LLC	08/07/2019	3997485	19745476.2	
3997560	Microsoft Technology Licensing, LLC	11/06/2020	3997560	20750842.5	
3997779	Tecnotion Assets B.V.	10/07/2020	3997779	20740431.0	
3997799	Telefonaktiebolaget LM Ericsson (publ)	08/07/2019	3997799	19936571.9	
3997822	QUALCOMM Incorporated	29/06/2020	3997822	20742602.4	
3997885	Adeia Guides Inc.	10/07/2020	3997885	20750084.4	
3997987	Mizkan Holdings Co., Ltd.	23/06/2020	3997987	20837796.0	
3998019	Kyoto Prefectural Public University Corporation	11/06/2020	3998019	20830054.1	
3998040	Biomet 3i, LLC	04/12/2014	3998040	21161341.9	
3998321	SFC Co., Ltd.	24/07/2020	3998321	20843932.3	
3998445	LG Electronics Inc.	29/07/2016	3998445	21208458.6	
3998476	Hamamatsu Photonics K.K.	19/05/2020	3998476	20836941.3	
3998524	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	08/07/2019	3998524	19932247.0	
3998936	Nxgenport Inc	17/07/2020	3998936	20840471.5	
3999492	Syngenta Crop Protection AG	15/07/2020	3999492	20743105.7	
3999522	Reata Pharmaceuticals, Inc.	20/07/2020	3999522	20758383.2	
3999683	Structured I, LLC	20/07/2020	3999683	20844137.8	
3999786	Reflexy Nederland B.V.	15/07/2020	3999786	20743988.6	
3999806	VOLKSWAGEN AKTIENGESELLSCHAFT MAN Truck & Bus SE	14/07/2020	3999806	20740313.0	German
3999892	Essilor International	16/07/2020	3999892	20742250.2	
4000137	Harting Electronics GmbH	10/07/2020	4000137	20746100.5	German
4000636	Shenzhen Profound-View Pharma Tech Co., Ltd.	20/07/2017	4000636	21218128.3	
4000650	Volkswagen Aktiengesellschaft	20/10/2021	4000650	21203789.9	German
4000777	SUMITOMO ELECTRIC INDUSTRIES, LTD. Sumitomo Electric Hardmetal Corp.	17/07/2020	4000777	20840150.5	
4000906	SUMITOMO CHEMICAL COMPANY, LIMITED	16/07/2020	4000906	20839764.6	
4000987	Toshiba Tec Kabushiki Kaisha	23/07/2021	4000987	21187422.7	
4001232	SEKISUI CHEMICAL CO., LTD.	14/07/2020	4001232	20840748.6	
4001359	Continental Reifen Deutschland GmbH	21/10/2021	4001359	21203883.0	German
4001946	Hamilton Sundstrand Corporation	15/11/2021	4001946	21208280.4	
4002359	Lenbrook Industries Limited	10/06/2014	4002359	21218383.4	
4002665	Tridonic GmbH & Co. KG	24/11/2020	4002665	20209365.4	
4003146	TIMPEL MEDICAL B.V.	21/07/2020	4003146	20746725.9	
4003257	Advanced Dressing, LLC	29/07/2020	4003257	20847561.6	
4003346	Università Degli Studi Di Padova	23/07/2020	4003346	20756775.1	
4003819	Rüfli, Franz	24/07/2020	4003819	20753688.9	German
4003947	Evonik Operations GmbH	23/07/2020	4003947	20742143.9	
4004001	Sunshine Lake Pharma Co., Ltd.	28/07/2020	4004001	20846788.6	
4004021	Oneskin, Inc. União Brasileira de Educação Católica Universidade Católica de Brasília	22/07/2020	4004021	20844612.0	
4004324	Samsung Electronics Co., Ltd.	08/09/2020	4004324	20883461.4	
4004357	K & N Engineering, Inc.	24/07/2020	4004357	20844081.8	
4004372	Edwards Limited	22/07/2020	4004372	20745157.6	
4004409	Safran Nacelles	20/07/2020	4004409	20753999.0	French
4004477	Rheinmetall Waffe Munition GmbH	08/07/2020	4004477	20739340.6	German
4004478	Rheinmetall Waffe Munition GmbH	08/07/2020	4004478	20743597.5	German
4004484	Conservator Tyche Beheer B.V.	22/07/2020	4004484	20746599.8	
4004802	Valeo Schalter und Sensoren GmbH	21/07/2020	4004802	20745130.3	
4004977	Hitachi Energy Ltd	24/07/2020	4004977	20753687.1	
4005522	Intuitive Surgical Operations, Inc.	03/03/2015	4005522	22151060.5	
4005729	NITTOKU Co., Ltd.	02/07/2020	4005729	20842959.7	
4005753	Kai R & D Center Co., Ltd.	10/09/2019	4005753	19939658.1	

4005825	BRIDGESTONE CORPORATION	22/07/2020	4005825	20843395.3	German
4005953	WIPOTEC GmbH	26/11/2021	4005953	21210739.5	
4006189	National Institute for Materials Science	13/07/2020	4006189	20844435.6	
4006823	LG Electronics Inc.	31/07/2019	4006823	19939182.2	
4007013	Panasonic Intellectual Property Management Co., Ltd.	21/07/2020	4007013	20846399.2	French
4007251	Ricoh Company, Ltd.	11/11/2021	4007251	21207790.3	
4007630	URGO RECHERCHE INNOVATION ET DEVELOPPEMENT	30/07/2020	4007630	20754793.6	
4007780	ExxonMobil Chemical Patents Inc.	28/07/2020	4007780	20851143.6	
4007913	Evoqua Water Technologies LLC	31/07/2020	4007913	20846066.7	French
4007933	Samsung Electronics Co., Ltd.	06/10/2020	4007933	20885605.4	
4008377	MEDTRONIC MINIMED, INC.	01/12/2021	4008377	21211563.8	
4008689	Ecolab USA Inc.	24/09/2018	4008689	21211122.3	
4009163	INTEL Corporation	19/03/2018	4009163	22153919.0	French
4009187	Tencent Technology (Shenzhen) Company Limited	04/11/2020	4009187	20919567.6	
4010311	Covestro Deutschland AG	06/08/2020	4010311	20751148.6	
4010388	Compagnie Générale des Etablissements Michelin	27/07/2020	4010388	20756926.0	
4011443	Centre National de la Recherche Scientifique Ecole Supérieure de Chimie Physique Electronique de Lyon Université Claude Bernard Lyon I Varian Medical Systems, Inc. Varian Medical Systems Particle Therapy GmbH & Co. KG Siemens Healthineers International AG	02/12/2021	4011443	21212010.9	German
4013102	ZTE Corporation	06/07/2020	4013102	20854743.0	
4013105	Huawei Technologies Co., Ltd.	13/08/2020	4013105	20851422.4	
4013214	Agco do Brasil Solucoes Agricolas LTDA	08/06/2020	4013214	20732671.1	
4013948	GeoQuest Systems B.V.	14/07/2020	4013948	20852989.1	German
4014003	Rheinmetall Waffe Munition GmbH	21/07/2020	4014003	20743689.0	
4015023	Gründler GmbH	11/07/2018	4015023	22000029.3	
4015374	Airbus Operations Limited	21/10/2021	4015374	21204059.6	
4015384	AMI Industries, Inc.	10/12/2021	4015384	21213886.1	German
4016250	Magic Leap, Inc.	15/07/2016	4016250	22155525.3	
4016284	Baker Hughes Holdings LLC	06/12/2021	4016284	21212504.1	
4016454	Tencent Technology (Shenzhen) Company Limited	15/10/2020	4016454	20920101.1	
4016656	Samsung Electronics Co., Ltd.	13/12/2021	4016656	21213971.1	German
4016779	Schneider Electric Industries SAS	21/12/2020	4016779	20306647.7	
4016975	Vivo Mobile Communication Co., Ltd.	04/08/2020	4016975	20853703.5	
4017233	INTEL Corporation	23/09/2021	4017233	21198671.6	
4018149	Rheinmetall Waffe Munition GmbH	23/07/2020	4018149	20746601.2	German
4018967	Medtronic Ventor Technologies Ltd	15/09/2009	4018967	21214110.5	
4019098	ELITE S.R.L.	23/12/2021	4019098	21217613.5	
4019099	ELITE S.R.L.	23/12/2021	4019099	21217616.8	
4019331	TOYOTA JIDOSHA KABUSHIKI KAISHA	04/11/2021	4019331	21206441.4	German
4019683	KARL MAYER STOLL R&D GmbH	23/12/2020	4019683	20216849.8	
4020011	THALES	21/12/2021	4020011	21216644.1	
4020371	Beijing Xiaomi Pinecone Electronics Co., Ltd.	27/05/2021	4020371	21176305.7	
4020478	Imec VZW	28/12/2020	4020478	20217465.2	German
4021640	Hamilton Bonaduz AG	01/10/2020	4021640	20786269.9	
4022301	Automotive Coalition for Traffic Safety, Inc.	31/08/2020	4022301	20856310.6	
4022635	Stryker Corporation	28/08/2020	4022635	20771680.4	
4023064	PTx Trimble LLC	16/12/2021	4023064	21215137.7	German
4023199	Max Mobility, LLC	06/07/2012	4023199	21212912.6	

4023839	Woojin Plastic Co., Ltd	16/12/2021	4023839	21215321.7	
4024509	Panasonic Intellectual Property Management Co., Ltd.	21/07/2020	4024509	20856852.7	
4024604	THALES	20/12/2021	4024604	21215865.3	French
4026993	Suzuki Motor Corporation	21/12/2021	4026993	21216542.7	
4027008	General Electric Renovables España S.L.	10/01/2021	4027008	21382002.0	
4027066	Rodrigues, Marcelo	15/12/2021	4027066	21214846.4	
	Netto, Luigino Rigitano				
	Ziemer, Thomas Andreas Behlau				
4027069	Qingdao Haier Air-Conditioning Electronic Co., Ltd	09/06/2020	4027069	20860858.8	
	Haier Smart Home Co., Ltd.				
4027274	NEC Corporation	03/09/2019	4027274	19944009.0	
	INSTITUTE OF SCIENCE TOKYO				
4027566	T-Mobile USA, Inc.	06/01/2022	4027566	22150493.9	
4027678	Nokia Technologies Oy	05/01/2022	4027678	22150266.9	
4027904	Cilag GmbH International	10/09/2021	4027904	21770309.9	
4028089	Zhou, Gary	11/09/2020	4028089	20863566.4	German
4028270	ZF CV Systems Global GmbH	01/09/2020	4028270	20767992.9	
4028754	Kabushiki Kaisha Toshiba	28/02/2020	4028754	20717262.8	
4028862	Apple Inc.	09/09/2020	4028862	20776028.1	
4028874	Oracle International Corporation	13/09/2020	4028874	20780530.0	
4028915	Microsoft Technology Licensing, LLC	18/06/2020	4028915	20736871.3	
4028939	MyLaps B.V.	14/09/2020	4028939	20768619.7	
4029231	Blanco Technology Group IP Oy	14/09/2020	4029231	20781419.5	
4029806	Vericool, Inc.	31/01/2017	4029806	21214503.1	
4030306	Google LLC	13/01/2022	4030306	22151454.0	
4030568	Aptiv Technologies AG	06/01/2022	4030568	22150411.1	
4030628	Samsung Electronics Co., Ltd.	19/10/2021	4030628	21203407.8	
4030788	Deutsche Telekom AG	18/01/2021	4030788	21152083.8	
4032345	Telefonaktiebolaget LM Ericsson (publ)	17/09/2020	4032345	20774975.5	
4032616	Xiamen Solex High-Tech Industries Co., Ltd.	20/01/2022	4032616	22152538.9	
4032776	Stadler Rail AG	21/01/2021	4032776	21152794.0	German
4033241	JFE Steel Corporation	15/09/2020	4033241	20865542.3	
4033848	Telefonaktiebolaget LM Ericsson (publ)	13/07/2020	4033848	22150004.4	
4033955	Chan, Kin F.	25/09/2020	4033955	20869299.6	
	Simpson, John B.				
4034543	Heraeus Precious Metals GmbH & Co. KG	01/07/2020	4034543	20734574.5	German
4035209	BOE Technology Group Co., Ltd.	27/09/2019	4035209	19945452.1	
	Hefei Boe Joint Technology Co., Ltd.				
4035520	CNH Industrial Belgium NV	02/02/2022	4035520	22154758.1	
4035615	Intuitive Surgical Operations, Inc.	06/03/2014	4035615	22164228.3	
4035696	MILOO-ELECTRONICS Spolka z ograniczona odpowiedzialnoscia	26/01/2022	4035696	22153541.2	
4035996	Pratt & Whitney Canada Corp.	03/12/2020	4035996	22158348.7	
4036077	LG CHEM, LTD.	10/09/2020	4036077	20870330.6	
4036324	Hitachi Construction Machinery Co., Ltd.	25/09/2020	4036324	20868171.8	
4036874	Yim, Chang Soon	22/04/2020	4036874	20867627.0	
	Dansolplus Co., Ltd.				
4037226	Datang Mobile Communications Equipment Co., Ltd.	24/07/2020	4037226	20867626.2	
4037735	Amgen Inc.	29/09/2020	4037735	20792812.8	
4037864	Siemens Energy Global GmbH & Co. KG	29/10/2020	4037864	20804457.8	German
4038261	GeoQuest Systems B.V.	02/10/2020	4038261	20872920.2	
4038722	WILO SE	02/10/2019	4038722	19783008.6	German
4038759	Telefonaktiebolaget LM Ericsson (publ)	30/09/2019	4038759	19948195.3	
4038769	Huawei Technologies Co., Ltd.	23/10/2020	4038769	20878862.0	
4038992	Lenovo (Singapore) Pte. Ltd.	05/10/2020	4038992	20793163.5	
4039454	General Electric Company	13/01/2022	4039454	22151476.3	
4040194	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	23/10/2020	4040194	20879856.1	

4040524	Murata Manufacturing Co., Ltd.	29/09/2020	4040524	20870990.7	
4040545	SANYO Electric Co., Ltd.	01/07/2020	4040545	20871107.7	
4040877	Panasonic Intellectual Property Corporation of America	15/07/2020	4040877	20872907.9	
4041239	Dana-Farber Cancer Institute, Inc.	07/10/2020	4041239	20797349.6	
4042059	Subsea 7 Norway AS	07/10/2020	4042059	20800008.3	
4042086	Phasestor LLC	10/10/2020	4042086	20825284.1	
4042313	Microsoft Technology Licensing, LLC	18/09/2020	4042313	20781720.6	
4042650	Nokia Technologies Oy	07/10/2019	4042650	19948395.9	
4042656	QUALCOMM INCORPORATED	09/10/2020	4042656	20800435.8	
4042891	China Tobacco Hunan Industrial Co., Ltd.	26/11/2020	4042891	20894660.8	
4043024	Mthera Pharma Co., Ltd.	08/10/2020	4043024	20873461.6	
4043317	Zhuzhou CRRC Times Electric Co., Ltd.	29/10/2019	4043317	19948796.8	
4043376	CANON KABUSHIKI KAISHA	14/12/2021	4043376	21214410.9	
4043412	Tur & Development SL	16/02/2021	4043412	21382123.4	
4043544	WAS Wirtschaftsagentur Martin Schroeder GmbH	20/01/2022	4043544	22152368.1	German
4043914	Leica Geosystems AG	15/02/2021	4043914	21157230.0	German
4044468	NEC Corporation	01/11/2016	4044468	22160007.5	
4045234	EDMA	14/10/2020	4045234	20789616.8	French
4045404	Aircraft Cabin Modification GmbH	14/10/2020	4045404	20789987.3	German
4046051	Carl Zeiss Vision International GmbH	16/10/2020	4046051	20789207.6	German
4046411	Cambium Networks Limited	14/10/2020	4046411	20811021.3	
4046624	TCI Co., Ltd.	28/01/2022	4046624	22154105.5	
4046789	Papair GmbH	16/02/2022	4046789	22156982.5	German
4046984	Mitsui Chemicals, Inc.	27/07/2021	4046984	21849843.4	
4047081	Cathay Biotech Inc.	16/01/2020	4047081	20876976.0	
4047935	CIBT America Inc.				
4047935	LG Electronics Inc.	23/09/2020	4047935	20912390.0	
4048178	Biosense Webster (Israel) Ltd.	19/10/2020	4048178	20807113.4	
4048249	MapLight Therapeutics, Inc.	23/10/2020	4048249	20879266.3	
4048393	Medtronic, Inc.	23/10/2020	4048393	20808568.8	
4048528	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	19/10/2020	4048528	20804612.8	French
4048584	CMAR AB	20/10/2020	4048584	20879218.4	
4049132	Advanced Micro Devices, Inc.	19/10/2020	4049132	20825286.6	
4049480	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	22/10/2019	4049480	19794689.0	
4049792	Freepower Innovations Co. Ltd.	22/10/2020	4049792	20879183.0	
4050976	Qingdao Hisense Hitachi Air-Conditioning Systems Co., Ltd.	07/07/2020	4050976	20878371.2	
4050982	Fuji Corporation	25/10/2019	4050982	19950023.2	
4051088	Koninklijke Philips N.V.	28/10/2020	4051088	20797470.0	
4051148	Medtronic Ireland Manufacturing Unlimited Company	28/10/2020	4051148	20812164.0	
4051474	CARBICRETE INC.	10/12/2020	4051474	20900084.3	
4051680	Biogen MA Inc.	29/10/2020	4051680	20815986.3	
4051734	Colormatrix Holdings, Inc.	15/10/2020	4051734	20811714.3	
4051739	Avient Corporation				
4051739	Ricoh Company, Ltd.	27/07/2020	4051739	20753470.2	
4051747	Henkel AG & Co. KGaA	25/09/2020	4051747	20883160.2	
4052030	Oakland University	27/10/2020	4052030	20882694.1	
4052374	EMC IP Holding Company LLC	22/10/2020	4052374	20803412.4	
4052552	Accenture Global Solutions Limited	03/11/2020	4052552	20881140.6	
4052733	Next Generation Robotics S.r.l.	28/02/2022	4052733	22159197.7	
4052802	Kyocera Corporation	28/10/2020	4052802	20880564.8	
4052875	Meinan Machinery Works, Inc.	20/10/2020	4052875	20881713.0	
4053021	Beijing Jingdong Qianshi Technology Co., Ltd.	18/09/2020	4053021	20881433.5	
4053254	The Procter & Gamble Company	04/03/2021	4053254	21160782.5	
4053532	HITACHI INDUSTRIAL EQUIPMENT SYSTEMS CO., LTD.	03/09/2020	4053532	20880958.2	

4053823	Honeywell International Inc.	11/02/2022	4053823	22156354.7	
4053907	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	17/05/2021	4053907	21832137.0	
4054111	AI SPEECH CO., LTD.	25/11/2019	4054111	19950263.4	
4054290	Miele & Cie. KG	14/02/2022	4054290	22156506.2	German
4054300	Baidu USA LLC	17/11/2021	4054300	21208865.2	
4054314	Sitrex S.p.a.	08/11/2019	4054314	19835318.7	
4054459	Cornell University	06/11/2020	4054459	20883946.4	
4054582	Astrazeneca AB	30/10/2020	4054582	20800617.1	
4054865	Atturo Tire Corp.	04/11/2020	4054865	20886154.2	
4055432	Outdoor Wireless Networks LLC	15/07/2021	4055432	21847206.6	
4055588	ASK Industries GmbH	07/11/2019	4055588	19802129.7	
4056529	WIZP AS	08/03/2022	4056529	22160730.2	French
4056711	SomaLogic Operating Co., Inc.	17/07/2008	4056711	22162947.0	
4057797	LG Electronics Inc.	10/09/2020	4057797	20887257.2	
4058496	BASF Coatings GmbH	03/11/2020	4058496	20800135.4	
4059185	Huawei Technologies Co., Ltd.	02/11/2020	4059185	20800630.4	
4059670	Pastificio Donato Campioni di Adriano Campioni E C. S.N.C.	10/03/2022	4059670	22161437.3	
4059747	VOLKSWAGEN AG	02/03/2022	4059747	22159640.6	German
4059836	The Boeing Company	17/03/2022	4059836	22162648.4	
4059880	Gulfstream Aerospace Corporation	14/01/2022	4059880	22151659.4	
4060621	Dental Monitoring	10/07/2019	4060621	22164320.8	French
4060650	Commissariat à l'Energie Atomique et aux Energies Alternatives	15/03/2022	4060650	22162187.3	French
4060739	Sony Semiconductor Solutions Corporation	30/10/2020	4060739	20887243.2	
4060980	CiDi Inc.	16/12/2020	4060980	20904168.0	
4061003	Yamaha Corporation RTX A/S	15/03/2022	4061003	22162136.0	
4061076	Huawei Technologies Co., Ltd.	09/12/2019	4061076	19956090.5	
4061216	NIKE Innovate C.V.	23/11/2020	4061216	20828410.9	
4061623	WashTec Holding GmbH	15/10/2020	4061623	20789999.8	German
4062112	Valeo Klimasysteme GmbH	20/11/2020	4062112	20811570.9	
4062521	Safran Electrical & Power	18/11/2020	4062521	20824028.3	
4062619	ASSA ABLOY AB	17/12/2020	4062619	20824055.6	
4062750	Jungheinrich Aktiengesellschaft	25/03/2021	4062750	21164921.5	German
4062860	Hologic, Inc.	25/04/2013	4062860	22173509.5	
4062975	Nihon Trim Co., Ltd.	19/01/2021	4062975	21751107.0	
4063424	Toray Industries, Inc.	28/01/2021	4063424	21747223.2	
4063572	CNH Industrial Italia S.p.A.	21/03/2022	4063572	22163225.0	
4063722	STANLEY ELECTRIC CO., LTD.	10/12/2020	4063722	20903225.9	
4063875	Zhuzhou CRRC Times Electric Co., Ltd.	18/11/2019	4063875	19953096.5	
4063912	Aptiv Technologies AG	07/03/2022	4063912	22160439.0	
4063913	Amicro Semiconductor Co., Ltd.	24/09/2021	4063913	21896521.8	
4064004	Beijing Xiaomi Mobile Software Co., Ltd.	30/07/2021	4064004	21188831.8	
4064217	Tata Consultancy Services Limited	30/07/2021	4064217	21188677.5	
4064257	LG Electronics Inc.	14/10/2020	4064257	20889722.3	
4064422	Contemporary Amperex Technology (Hong Kong) Limited	30/09/2020	4064422	20955828.7	
4064427	LG Energy Solution, Ltd.	08/09/2021	4064427	21880321.1	
4064902	Nicoventures Trading Limited	27/11/2020	4064902	20820057.6	
4065335	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	04/11/2020	4065335	20800926.6	German
4065441	Cummins Inc.	21/09/2020	4065441	20892506.5	
4066021	Thermo Fisher Scientific Messtechnik GmbH	23/11/2020	4066021	20821103.7	
4066040	Nokia Technologies Oy	23/10/2020	4066040	20797199.5	
4066647	The Provost, Fellows, Scholars and other Members of Board of Trinity College Dublin	31/03/2021	4066647	21166124.4	
4066765	Erbe Elektromedizin GmbH	31/03/2021	4066765	21166320.8	German

4067038	Siemens Gamesa Renewable Energy A/S	01/04/2021	4067038	21166625.0	German
4067192	Great Wall Motor Company Limited	26/04/2021	4067192	21797619.0	
4067252	Stollsteimer, Werner	30/03/2022	4067252	22165634.1	
4067841	Sintela Limited	07/10/2020	4067841	22175365.0	
4067919	BYD Company Limited	23/10/2020	4067919	20891499.4	
4067943	Institut Optique Théorique Appliquée Centre national de la recherche scientifique UNIVERSITE DE BORDEAUX	29/03/2021	4067943	21305390.3	
4068726	Petal Cloud Technology Co., Ltd.	30/10/2020	4068726	20902227.6	
4068737	Huizhou TCL Mobile Communication Co., Ltd.	12/12/2019	4068737	19950231.1	
4068784	LG Electronics Inc.	26/11/2020	4068784	20892799.6	
4068936	Fuji Corporation	25/11/2019	4068936	19953853.9	
4069152	Indywidualna Specjalistyczna Praktyka Lekarska	26/10/2020	4069152	20808215.6	
4069156	Human in Motion Robotics Inc.	05/09/2020	4069156	20897314.9	
4069795	Ritrana S.p.A.	29/12/2021	4069795	21848035.8	
4069953	Cummins Emission Solutions Inc.	01/12/2020	4069953	20897056.6	
4071333	VKR Holding A/S	31/01/2022	4071333	22154169.1	
4071467	The Boeing Company	04/02/2022	4071467	22155221.9	
4071637	Amadeus S.A.S.	06/07/2018	4071637	22177327.8	
4071954	Huawei Digital Power Technologies Co., Ltd.	07/04/2022	4071954	22167255.3	
4072084	Huawei Technologies Co., Ltd.	25/12/2019	4072084	19958056.4	
4072085	ZTE Corporation	08/12/2020	4072085	20903344.8	
4072400	Alcon Inc.	11/12/2020	4072400	20825008.4	
4072960	Lyvecap LLC	11/12/2020	4072960	20900076.9	
4073495	AIM Systems GmbH	14/12/2020	4073495	20821029.4	German
4073553	Magseis FF LLC	02/12/2020	4073553	20842604.9	
4073827	Edwards Limited	09/12/2019	4073827	19850851.7	
4074331	Regeneron Pharmaceuticals, Inc.	08/12/2016	4074331	22169278.3	
4074404	Donaldson Company, Inc.	24/10/2018	4074404	22178032.3	
4074684	Evonik Operations GmbH	16/04/2021	4074684	21168921.1	German
4074685	Evonik Operations GmbH	16/04/2021	4074685	21168930.2	German
4074907	Big Time Investment, LLC	13/04/2022	4074907	22168148.9	
4074915	Besd Technology S.r.l.	12/07/2021	4074915	21185082.1	
4075313	Rockwell Automation Technologies, Inc.	12/04/2022	4075313	22167935.0	
4075446	Kardiolytics Inc.	18/04/2021	4075446	21169042.5	
4075666	Sicis S.r.l.	15/04/2022	4075666	22168661.1	
4075705	Huawei Technologies Co., Ltd.	31/12/2019	4075705	19958595.1	
4076079	George TFE SCP	15/12/2020	4076079	20829318.3	
4077031	ENRX IPT GmbH	06/05/2021	4077031	21725716.1	German
4077574	Henkel AG & Co. KGaA	17/12/2019	4077574	19956597.9	
4077844	Julius Blum GmbH	11/12/2020	4077844	20828957.9	German
4078102	Ezmems Ltd.	20/12/2020	4078102	20901306.9	
4078569	TREVES PRODUCTS, SERVICES & INNOVATION	15/12/2020	4078569	20821270.4	French
4079003	InterDigital Patent Holdings, Inc.	17/12/2020	4079003	20841819.4	
4079215	Biosense Webster (Israel) Ltd	19/04/2022	4079215	22168786.6	
4079283	LG Household & Health Care Ltd.	04/11/2020	4079283	20904048.4	
4079708	Sumitomo Electric Hardmetal Corp.	29/10/2020	4079708	20903206.9	
4080218	Boditech Med Inc.	08/07/2020	4080218	20931920.1	
4080338	BOE Technology Group Co., Ltd.	20/12/2019	4080338	19945469.5	
4080656	LG Energy Solution, Ltd.	13/10/2021	4080656	21880520.8	
4081885	ams International AG	16/12/2020	4081885	20828748.2	
4082083	Northrop Grumman Systems Corporation	02/02/2021	4082083	21709521.5	
4082343	Heuft Thermo-Oel GmbH & Co. KG	13/04/2022	4082343	22168153.9	German
4082616	Sumitomo Pharma Co., Ltd.	23/12/2020	4082616	20907330.3	
4082715	Ott-Jakob Spanntechnik GmbH	05/04/2022	4082715	22166666.2	German
4082914	TOYOTA JIDOSHA KABUSHIKI KAISHA	12/04/2022	4082914	22167996.2	
4083337	KUBOTA CORPORATION	24/12/2020	4083337	20906822.0	

4083635	Hitachi High-Tech Corporation	27/10/2020	4083635	20904288.6	
4083978	LG ELECTRONICS INC.	27/12/2019	4083978	19958009.3	
4084268	LG Energy Solution, Ltd.	23/09/2021	4084268	21872897.0	
4084538	Nokia Technologies Oy	22/04/2022	4084538	22169511.7	
4084681	Becton, Dickinson and Company	19/02/2021	4084681	21715001.0	
4084875	Plasser & Theurer Export Von Bahnbaumaschinen Gesellschaft m.b.H.	09/12/2020	4084875	20838357.0	German
4085042	Dow Global Technologies LLC	17/12/2020	4085042	20842463.0	
4085200	The Oil Gear Company	04/01/2021	4085200	21736236.7	
4085279	Dynamic Optics S.r.l.	29/12/2020	4085279	20845623.6	
4085979	Surpath Trading Co., Ltd.	20/07/2020	4085979	20910468.6	
4086020	General Electric Company	24/10/2017	4086020	22182828.8	
4086261	Promega Corporation	14/02/2017	4086261	22179268.2	
4086465	PERMO s.r.l.	29/04/2022	4086465	22170927.2	
4086501	Moft Inc	30/06/2020	4086501	20910221.9	
	Lin, Ben-Tien				
4087322	ZTE Corporation	20/04/2021	4087322	21791854.9	
4087721	Peridot Print LLC	09/01/2020	4087721	20912409.8	
4087749	Magna Exteriors Inc.	10/02/2021	4087749	21708899.6	
4088524	Huawei Technologies Co., Ltd.	14/02/2020	4088524	20728886.1	
4088720	Pfizer Ireland Pharmaceuticals Unlimited Company	25/03/2019	4088720	22182756.1	
4089200	Sanyo Special Steel Co., Ltd.	06/01/2021	4089200	21738638.2	
4089357	Promix Solutions AG	10/05/2021	4089357	21172934.8	German
4089374	Apator Miitors ApS	21/07/2014	4089374	22183077.1	
4089916	NXP USA, Inc.	09/05/2022	4089916	22172400.8	
4089952	Qualcomm Incorporated	21/09/2018	4089952	22182956.7	
4090471	Illinois Tool Works Inc.	14/01/2021	4090471	21704125.0	
4090791	SANTONI S.p.A.	23/12/2020	4090791	20829231.8	
4091239	Siemens Energy Global GmbH & Co. KG	11/03/2021	4091239	21715147.1	German
4091956	Kermi Duschdesign GmbH	16/05/2022	4091956	22173447.8	German
4092608	NISSAN MOTOR Co., Ltd. Renault S.A.S.	17/01/2020	4092608	20913406.3	
4092698	Infineon Technologies AG	11/05/2022	4092698	22172753.0	
4092919	Huawei Technologies Co., Ltd.	07/02/2020	4092919	20918065.2	
4093056	Skullcandy, Inc.	18/05/2022	4093056	22174173.9	
4093827	3D Systems, Inc.	22/01/2021	4093827	21707054.9	
4093998	Aurotec GmbH	21/01/2021	4093998	21700953.9	German
	NORDSON CORPORATION				
4094074	Quest Integrity USA, LLC	20/01/2021	4094074	21744477.7	
4094461	Bundesdruckerei GmbH	19/01/2021	4094461	21700929.9	German
4094638	B & T S.P.A.	23/05/2022	4094638	22174838.7	
4094719	3Shape A/S	13/02/2014	4094719	22182342.0	
4095670	LG Electronics Inc.	20/01/2020	4095670	20914930.1	
4095725	Huawei Technologies Co., Ltd.	06/03/2020	4095725	20923164.6	
4095814	Technoalpin Holding S.p.A.	25/05/2022	4095814	22175323.9	
4095859	Changxin Memory Technologies, Inc.	08/07/2021	4095859	21908092.6	
4096169	Marelli Europe S.p.A.	25/05/2022	4096169	22175320.5	
4096756	Becton, Dickinson and Company	27/01/2021	4096756	21707090.3	
4096817	Givaudan SA	20/01/2021	4096817	21701462.0	
4096864	Epur	21/01/2021	4096864	21706638.0	French
4097152	Dow Global Technologies LLC	29/01/2021	4097152	21708431.8	
4097955	Snowflake Inc.	20/01/2021	4097955	21748410.4	
4098714	AGC INC.	27/05/2016	4098714	22186264.2	
4098902	Brembo S.p.A.	01/06/2022	4098902	22176650.4	
4098945	RTX Corporation	14/09/2017	4098945	22187045.4	
4099006	Hitachi High-Tech Corporation	03/12/2020	4099006	20916870.7	
4099268	Fujita Academy	31/05/2022	4099268	22176501.9	
	Canon Medical Systems Corporation				
4099331	Tata Consultancy Services Limited	31/05/2022	4099331	22176504.3	
4099350	ABB Schweiz AG	31/05/2021	4099350	21176971.6	
4099358	SALTEK s.r.o.	01/06/2022	4099358	22176594.4	

4099419	LG Display Co., Ltd.	18/07/2018	4099419	22186589.2	
4099487	LG Energy Solution, Ltd.	11/06/2021	4099487	21833326.8	
4099692	Tencent Technology (Shenzhen) Company Limited	07/07/2021	4099692	21859902.5	
4099868	Donati S.p.A.	23/12/2020	4099868	20841780.8	
4099915	Covidien LP	08/01/2021	4099915	21702820.8	
4100185	Schnell S.p.A.	08/02/2021	4100185	21710618.6	
4100497	The Lubrizol Corporation	04/02/2021	4100497	21710093.2	
4100647	Ventus Engineering GmbH	03/02/2021	4100647	21702049.4	
4100656	Schaeffler Technologies AG & Co. KG	01/02/2021	4100656	21751086.6	
4100812	Samsung Electronics Co., Ltd.	14/01/2021	4100812	21799926.7	
4100885	THALES	05/02/2021	4100885	21702518.8	French
	Centre national de la recherche scientifique				
4100901	Afiniti AI Limited	04/02/2021	4100901	21708859.0	
4101021	Saint-Gobain Ceramics & Plastics Inc.	14/04/2021	4101021	21787895.8	
4101086	Airbus Defence and Space SAS	05/03/2021	4101086	21714656.2	French
4101427	Lohmann & Rauscher GmbH	04/09/2019	4101427	22183475.7	German
4101442	Tradichem Industrial Services, S.L.	11/06/2021	4101442	21382522.7	
4101524	Societa' Italiana Acetilene & Derivati S.I.A.D. S.p.A. in breve S.I.A.D. S.p.A.	08/06/2022	4101524	22177857.4	
4101698	Stoneridge, Inc.	05/05/2022	4101698	22171931.3	
4102198	Landis+Gyr GmbH	08/06/2021	4102198	21178294.1	German
4102342	Claas, Krasnodar	09/02/2022	4102342	22155894.3	German
4102532	Huawei Digital Power Technologies Co., Ltd.	23/02/2021	4102532	21760961.9	
4102624	Jiangsu Contemporary Amperex Technology Limited	26/11/2019	4102624	22183772.7	
4102742	Fuji Corporation	07/02/2020	4102742	20917900.1	
4103366	Cryovac, LLC	09/02/2021	4103366	21709567.8	
4103774	Federal-Mogul Powertrain LLC	11/02/2021	4103774	21711976.7	
4103893	Blueair AB	11/02/2021	4103893	21703495.8	
4104336	InterDigital Patent Holdings, Inc.	12/02/2021	4104336	21711089.9	
4104847	Galenus G.H. AG	10/06/2022	4104847	22178442.4	
4105110	DRB Industrial Co., Ltd.	15/06/2022	4105110	22179095.9	
4105143	Daio Paper Corporation	04/02/2021	4105143	21752866.0	
4105568	Panasonic Intellectual Property Management Co., Ltd.	27/05/2022	4105568	22175711.5	
4105659	Instrumentation Laboratory Company	01/06/2022	4105659	22176850.0	
4105961	Zhejiang Chint Electrics Co., Ltd.	12/02/2021	4105961	21753730.7	
4106269	Autocrypt Co., Ltd.	10/06/2022	4106269	22178350.9	
4106568	Cenesy AB	19/02/2021	4106568	21707649.6	
4106726	Algotherapeutix	31/03/2021	4106726	21715628.0	French
4106974	Bio Optimal Limited	16/02/2021	4106974	21706244.7	
4107036	Adler Pelzer Holding GmbH	15/01/2021	4107036	21702372.0	German
4107332	VALUWE HOLDING LTD.	19/01/2021	4107332	21703817.3	German
4107353	ASSA ABLOY Entrance Systems AB	18/02/2021	4107353	21706890.7	
4107354	Hochuli Advanced AG	06/04/2021	4107354	21718059.5	German
	EMPA Eidgenössische Materialprüfungs- und Forschungsanstalt				
4107388	VOLVO TRUCK CORPORATION	23/02/2020	4107388	20920652.3	
4107505	Commissariat à l'Energie Atomique et aux Energies Alternatives	22/02/2021	4107505	21705572.2	French
	Centre national de la recherche scientifique				
	UNIVERSITE DE VERSAILLES-SAINT QUENTIN EN YVELINES				
	UNIVERSITE PAUL SABATIER				
	TOULOUSE III				
4107747	B. Braun Melsungen AG	19/02/2021	4107747	21706926.9	German
4108265	Venus MedTech (HangZhou), Inc.	08/02/2021	4108265	21756791.6	
4108549	TOYOTA JIDOSHA KABUSHIKI KAISHA	07/06/2022	4108549	22177696.6	

4108550	TOYOTA JIDOSHA KABUSHIKI	07/06/2022	4108550	22177697.4	
	KAISHA				
4109089	RTX Corporation	21/06/2022	4109089	22180255.6	
4109131	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	11/03/2021	4109131	21767321.9	
4109164	Beijing Xiaomi Mobile Software Co., Ltd.	05/03/2021	4109164	21927047.7	
4109315	CrowdStrike, Inc.	24/05/2022	4109315	22175254.6	
4109403	BNSF Railway Company	23/06/2020	4109403	22183716.4	
4109928	Sonova AG	21/06/2021	4109928	21180598.1	
4110297	The Trustees of Indiana University	26/02/2021	4110297	21760265.5	
4110490	Mach Technologies	26/02/2021	4110490	21761691.1	
4110601	Bartell Machinery Systems L.L.C	24/02/2021	4110601	21711995.7	
4110676	Wonderland Switzerland AG	01/03/2021	4110676	21710203.7	
4110690	TKMS GmbH	18/02/2021	4110690	21706561.4	German
	thyssenkrupp AG				
4111223	QUALCOMM INCORPORATED	17/12/2020	4111223	20842453.1	
4111297	Ricoh Company, Ltd.	12/01/2021	4111297	21702540.2	
4111849	Andreas Stihl AG & Co. KG	01/07/2021	4111849	21183107.8	German
4112828	TOTO LTD.	05/02/2021	4112828	21760589.8	
4112829	TOTO LTD.	03/02/2021	4112829	21761121.9	
4112884	Doosan Enerbility Co., Ltd.	01/07/2021	4112884	21183176.3	
4113000	KTM AG	28/06/2022	4113000	22181527.7	German
4113691	LG Energy Solution, Ltd.	06/04/2021	4113691	21784121.2	
4113717	LG Energy Solution, Ltd.	19/11/2021	4113717	21895165.5	
4114093	Huawei Technologies Co., Ltd.	10/03/2021	4114093	21767781.4	
4114641	Politecnico di Milano	04/03/2021	4114641	21714945.9	
4114700	AUMOVIO Autonomous Mobility Germany GmbH	23/02/2021	4114700	21712035.1	German
4114788	Heineken Supply Chain B.V.	03/03/2021	4114788	21711386.9	
4114872	Basell Poliolefine Italia S.r.l.	23/02/2021	4114872	21706299.1	
4114893	Carl Freudenberg KG	04/03/2021	4114893	21710250.8	German
4115294	Supercell Oy	01/04/2021	4115294	21718636.0	
4115779	Vorwerk & Co. Interholding GmbH	06/07/2021	4115779	21183992.3	German
4115866	Baxter Medical Systems GmbH + Co. KG	06/07/2021	4115866	21183976.6	
4116089	Kuraray Co., Ltd.	26/02/2021	4116089	21763900.4	
4116142	SK On Co., Ltd.	08/07/2022	4116142	22183958.2	
4116185	ABB Oy	05/07/2021	4116185	21183627.5	
4116294	HELIOEAST PHARMACEUTICAL CO., LTD.	02/03/2021	4116294	21764222.2	
	Helioeast Science & Technology Co., Ltd.				
4116522	Maytronics Ltd.	04/07/2022	4116522	22182907.0	
4116686	Commissariat à l'Energie Atomique et aux Energies Alternatives	01/07/2022	4116686	22182657.1	French
	BHG				
4117006	Hitachi Energy Ltd	09/07/2021	4117006	21184862.7	
4117201	MITSUBISHI ELECTRIC CORPORATION	06/07/2021	4117201	21305933.0	
4117268	LG Innotek Co., Ltd.	02/03/2021	4117268	21763839.4	
4117374	LG Electronics Inc.	05/03/2021	4117374	21764052.3	
4117415	The Toro Company	08/03/2021	4117415	21768749.0	
4117509	Imperial College Innovations Limited	09/03/2021	4117509	21721579.7	
4117601	Unity Health Toronto	05/03/2021	4117601	21768476.0	
4118627	QUALCOMM INCORPORATED	09/02/2021	4118627	21709571.0	
4118684	Lumileds LLC	08/03/2021	4118684	21767718.6	
4118731	Siemens Mobility GmbH	22/04/2021	4118731	21725395.4	German
4118956	Afimilk Agricultural Cooperative Ltd.	15/09/2021	4118956	21196834.2	
4119058	Varex Imaging Corporation	07/07/2022	4119058	22183679.4	
4119069	Sensome	12/07/2021	4119069	21305969.4	
4119074	Suzhou Leapmed Healthcare Corporation	11/03/2020	4119074	20923875.7	
4119184	Abiomed, Inc.	16/12/2011	4119184	22194146.1	
4119384	FERRARI S.p.A.	11/07/2022	4119384	22184154.7	
4119457	Tetra Laval Holdings & Finance S.A.	07/07/2022	4119457	22183476.5	

4119492	OCME S.r.l.	15/07/2022	4119492	22185179.3	
4119607	Sumitomo Rubber Industries, Ltd.	06/07/2022	4119607	22183418.7	
4120024	Ricoh Company, Ltd.	05/07/2022	4120024	22182993.0	
4120235	BOE Technology Group Co., Ltd.	14/03/2017	4120235	22192975.5	
4120577	Yometel Co., Ltd.	11/03/2020	4120577	20770378.6	
4121816	Freshape SA	18/03/2021	4121816	21718019.9	
4122027	Ricoh Company, Ltd.	12/03/2021	4122027	21771353.6	
4122067	Schaeffler Technologies AG & Co. KG	04/03/2021	4122067	21710253.2	
4122331	Roig Borrell S.L.	13/07/2022	4122331	22020331.9	
4122419	Globus Medical, Inc.	18/07/2022	4122419	22185541.4	
4122518	ResMed Pty Ltd	14/03/2014	4122518	22191911.1	
4122535	S.I.T. - Sordina IORT Technologies S.p.A.	19/07/2022	4122535	22185763.4	
4122547	LG Electronics Inc.	15/07/2022	4122547	22185082.9	
4122553	LITE SPORT S.r.l.	22/07/2022	4122553	22020354.1	
4122578	Inquide SAU	19/07/2022	4122578	22382687.6	
4122886	Ohara, Inc.	16/03/2021	4122886	21771217.3	
	National University Corporation Nagaoka				
	University of Technology				
	National Institute of Technology				
4123322	KABUSHIKI KAISHA TOSHIBA	16/03/2020	4123322	20922500.2	
4123355	Leica Microsystems CMS GmbH	19/07/2021	4123355	21186397.2	
4123356	Leica Microsystems CMS GmbH	19/07/2021	4123356	21186401.2	
4123371	Volkswagen Group of America	21/07/2022	4123371	22186324.4	
	Investments, LLC				
4123392	Flexous Mechanisms IP B.V.	18/07/2022	4123392	22185543.0	
4123405	Yanmar Holdings Co., Ltd.	11/07/2022	4123405	22184192.7	
4123506	Fsas Technologies GmbH	18/07/2022	4123506	22185470.6	German
4123570	DENTSPLY SIRONA Inc.	23/07/2021	4123570	21187468.0	German
	Sirona Dental Systems GmbH				
4123571	DENTSPLY SIRONA Inc.	02/12/2021	4123571	21211871.5	German
	SIRONA Dental Systems GmbH				
4123795	Libest Inc.	30/07/2021	4123795	21850173.2	
4124127	Apple Inc.	18/05/2022	4124127	22179688.1	
4124264	Diemer & Dr. Jaspert GbR	20/07/2022	4124264	22185945.7	German
4124447	HANKOOK TIRE & TECHNOLOGY CO., LTD	28/07/2022	4124447	22187584.2	
4124522	A. Raymond et Cie	28/07/2021	4124522	21315130.1	
4124543	HONDA MOTOR CO., LTD.	28/07/2022	4124543	22187399.5	
4124577	Airbus (S.A.S.)	28/07/2021	4124577	21188290.7	
4124913	Canon Kabushiki Kaisha	21/09/2018	4124913	22190764.5	
4125065	SCREEN Holdings Co., Ltd.	15/07/2022	4125065	22185108.2	
4125160	Aptiv Technologies AG	30/07/2021	4125160	21188823.5	
4125170	Ingelva S.r.l.	27/07/2021	4125170	21187965.5	
4125262	Ingelva S.r.l.	27/07/2021	4125262	21188000.0	
4126145	Habashi, Nader M.	25/03/2021	4126145	21720078.1	
4126515	Nordex Blade Technology Centre APS	03/11/2021	4126515	21802710.0	
4126623	TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.	10/03/2021	4126623	21776012.3	
4127600	Dimension Ortho Inc.	30/03/2021	4127600	21782287.3	
4127667	Heraeus Quarzglas GmbH & Co. KG	18/03/2021	4127667	21712502.0	German
4127816	ResMed Pty Ltd	28/10/2020	4127816	20927212.9	
4128289	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	25/03/2021	4128289	21719448.9	
	Commonwealth Fusion Systems LLC				
4128648	British Telecommunications public limited company	22/03/2021	4128648	21713402.2	
4128916	QUALCOMM INCORPORATED	11/06/2021	4128916	21737297.8	
4129107	NIKE Innovate C.V.	01/06/2017	4129107	22197510.5	
4129114	Zumtobel Lighting GmbH	21/07/2022	4129114	22186171.9	German
4129121	Barbier, Sophie	29/07/2022	4129121	22187898.6	French
	ELLE & FILS				

4129210	Cornell University	21/07/2017	4129210	22183729.7	
4129747	Sinapsi S.r.l.	27/07/2022	4129747	22187196.5	
4130195	SUMITOMO CHEMICAL COMPANY, LIMITED	09/03/2021	4130195	21781833.5	
4130206	China Petroleum & Chemical Corporation Research Institute Of Petroleum Processing Sinopec	30/03/2021	4130206	21778745.6	
4130553	Antares Iluminación, S.A.U.	02/04/2020	4130553	20725209.9	
4130627	Sumitomo Precision Products Co., Ltd.	30/03/2021	4130627	21781079.5	
4131514	Zhuhai CosMX Battery Co., Ltd.	11/05/2021	4131514	21811761.2	
4131848	Turck Holding GmbH	04/07/2022	4131848	22182804.9	German
4131895	ZTE Corporation	24/08/2021	4131895	21871180.2	
4132008	Huawei Technologies Co., Ltd.	06/01/2021	4132008	21796082.2	
4132179	Telefonaktiebolaget LM Ericsson (publ)	23/01/2018	4132179	22197419.9	
4132394	WoodWelding AG	07/04/2021	4132394	21717830.0	
4132839	Stellantis Auto SAS	09/03/2021	4132839	21717493.7	French
4133729	QUALCOMM INCORPORATED	06/04/2021	4133729	21720659.8	
4134128	Boston Scientific Neuromodulation Corporation	29/12/2016	4134128	22194274.1	
4134791	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	02/03/2021	4134791	21788776.9	
4134984	AGC INC.	09/04/2021	4134984	21784256.6	
4135229	QUALCOMM Incorporated	09/03/2018	4135229	22187900.0	
4135401	Huawei Technologies Co., Ltd.	15/12/2020	4135401	20936016.3	
4135984	Hewlett-Packard Development Company, L.P.	14/04/2020	4135984	20931447.5	
4136013	LR Intralogistik GmbH	25/03/2021	4136013	21716285.8	German
4136014	LR Intralogistik GmbH	25/03/2021	4136014	21716286.6	German
4136347	Siemens Gamesa Renewable Energy A/S	11/06/2021	4136347	21732028.2	
4136379	SERAC Group	15/04/2021	4136379	21718885.3	French
4136486	META PLATFORMS TECHNOLOGIES, LLC	25/03/2021	4136486	21719010.7	
4136633	Janssen Biotech, Inc.	12/04/2021	4136633	21719282.2	
4137422	Eyher, S.L.	14/04/2020	4137422	20931343.6	
4137579	Sequenom, Inc.	21/06/2013	4137579	22188236.8	
4137712	Kabushiki Kaisha F.C.C.	14/09/2020	4137712	20930670.3	
4137728	LG Electronics Inc.	21/07/2022	4137728	22186170.1	
4138026	Tata Consultancy Services Limited	15/07/2022	4138026	22185220.5	
4138250	Universitat Jaume I	14/04/2021	4138250	21788663.9	
4138277	Universitat Politècnica de València LG INNOTEK CO., LTD.	10/05/2017	4138277	22198726.6	
4138534	Mando Corporation				
4138534	Samsung Electronics Co., Ltd.	10/05/2021	4138534	21822819.5	
4139521	Messer Austria GmbH	17/03/2021	4139521	21713381.8	German
4139715	Westinghouse Electric Company Llc	22/04/2021	4139715	21729675.5	
4140048	Telefonaktiebolaget LM ERICSSON (PUBL)	23/04/2020	4140048	20722275.3	
4140087	QUALCOMM INCORPORATED	23/04/2021	4140087	21724956.4	
4140538	Canon Medical Systems Corporation	24/08/2022	4140538	22191968.1	
4140630	Lincoln Global, Inc.	15/07/2022	4140630	22185331.0	
4141178	Lab (Xiamen) Sanitary Fittings Inc	20/04/2020	4141178	20932243.7	
4141411	I-PEX Inc.	13/05/2021	4141411	21813752.9	
4142132	MITSUBISHI ELECTRIC CORPORATION	21/04/2020	4142132	20931863.3	
4142160	MITSUBISHI ELECTRIC CORPORATION	18/11/2020	4142160	20939240.6	
4142378	Apple Inc.	16/08/2022	4142378	22190540.9	
4142449	THALES	04/08/2022	4142449	22188653.4	French
4142943	Siemens Healthcare Diagnostics, Inc.	26/04/2021	4142943	21796284.4	
4142978	Indium Corporation	29/04/2021	4142978	21726777.2	
4143109	Laitram, L.L.C.	20/07/2021	4143109	21752825.6	
4143416	Wellstrom AS	23/02/2021	4143416	21796253.9	

4143512	Pleiger Maschinenbau Gmbh & Co. KG	26/04/2021	4143512	21722180.3	German
4143791	Microsoft Technology Licensing, LLC	05/04/2021	4143791	21721325.5	
4143999	Microsoft Technology Licensing, LLC	22/03/2021	4143999	21720060.9	
4144032	QUALCOMM Incorporated	01/05/2021	4144032	21727681.5	
4144304	Applied Medical Resources Corporation	12/04/2017	4144304	22203599.0	
4144314	Hygea Medical Technology Co., Ltd.	21/07/2022	4144314	22805749.3	
4145032	Zhejiang Dunan Artificial Environment Co., Ltd.	28/05/2021	4145032	21822235.4	
4145061	Mitsubishi Heavy Industries Thermal Systems, Ltd.	23/08/2022	4145061	22191721.4	
4145370	KEMAS Gesellschaft für Elektronik, Elektromechnik, Mechanik und Systeme mbH	29/12/2017	4145370	22202693.2	German
4145394	Nokia Technologies Oy	06/09/2021	4145394	21382799.1	
4145500	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	30/04/2020	4145500	20933225.3	
4145919	Sony Group Corporation	30/04/2018	4145919	22203377.1	
4146504	Elkamet Kunststofftechnik GmbH	31/03/2022	4146504	22717200.4	German
4146617	Otsuka Pharmaceutical Co., Ltd.	03/05/2021	4146617	21728346.4	
4147156	Google LLC	02/07/2020	4147156	20743928.2	
4147194	Microsoft Technology Licensing, LLC	21/04/2021	4147194	21723846.8	
4147290	Bloom Energy Corporation	29/04/2021	4147290	21800211.1	
4147334	Alva Industries AS	07/05/2021	4147334	21799657.8	
4147515	QUALCOMM INCORPORATED	07/05/2021	4147515	21728765.5	
4147739	TERUMO Kabushiki Kaisha	26/03/2021	4147739	21822758.5	
4148466	Protonvda Inc.	19/05/2016	4148466	22205188.0	
4148530	Zheng, Boang	09/03/2021	4148530	21803646.5	
4149171	Malikie Innovations Limited	13/02/2014	4149171	22203424.1	
4149230	Samsung Electronics Co., Ltd.	16/06/2021	4149230	21826188.1	
4149941	Algen Biotechnologies, Inc.	14/05/2021	4149941	21730069.8	
4149948	Samsung Display Co., Ltd.	14/05/2021	4149948	21730472.4	
4150267	Bedking Ergopolis	11/05/2021	4150267	21725488.7	
4150278	Dürr Systems AG	07/05/2021	4150278	21728818.2	German
4150455	Google LLC	16/02/2021	4150455	21711663.1	
4150536	Google LLC	29/11/2021	4150536	21835012.2	
4151073	KUBOTA CORPORATION Tevel Aerobotics Technologies Ltd.	15/09/2021	4151073	21196942.3	
4151101	Imperial Tobacco Limited	15/09/2021	4151101	21196981.1	
4151863	LG Electronics Inc.	22/07/2019	4151863	22205688.9	
4152214	Tata Consultancy Services Limited	13/07/2022	4152214	22184699.1	
4152644	Honeywell Limited Honeywell Limitée	18/07/2022	4152644	22185413.6	
4152651	NXP B.V.	17/09/2021	4152651	21197398.7	
4152676	QUALCOMM Incorporated	12/12/2017	4152676	22205621.0	
4153284	ResMed Pty Ltd	29/03/2021	4153284	21809649.3	
4153328	US Safety Technologies LLC	17/05/2021	4153328	21808225.3	
4153525	Continental Automotive Technologies GmbH	10/05/2021	4153525	21731917.7	German
4153541	Universitetet I Sørøst-Norge	18/05/2021	4153541	21724178.5	
4153697	Nouryon Chemicals International B.V.	14/05/2021	4153697	21725185.9	
4153806	BSH Hausgeräte GmbH	05/05/2021	4153806	21726568.5	German
4154120	Micron Technology, Inc.	05/05/2021	4154120	21809558.6	
4154211	Google LLC	02/07/2021	4154211	21746298.5	
4154267	CareFusion 303, Inc.	19/05/2021	4154267	21733265.9	
4155139	TOYOTA JIDOSHA KABUSHIKI KAISHA	09/09/2022	4155139	22194833.4	
4155361	Nippon Soda Co., Ltd.	04/07/2017	4155361	22207514.5	
4155626	mitsubishi electric CORPORATION	22/05/2020	4155626	20936983.4	
4155806	SCREEN Holdings Co., Ltd.	26/04/2021	4155806	21809375.5	
4155933	INTEL Corporation	18/08/2022	4155933	22190994.8	

4155969	BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.	19/07/2022	4155969	22185757.6	
4156077	Intel Corporation	11/07/2022	4156077	22184111.7	
4156131	Cogelec	22/09/2022	4156131	22197201.1	French
4156416	HellermannTyton GmbH & Co. KG	22/09/2022	4156416	22197049.4	
4157310	London Dermatology Centre Innovation Ltd	27/05/2021	4157310	21737118.6	
4158488	ARM Limited	20/05/2021	4158488	21728103.9	
4159160	Medit Corp.	28/05/2021	4159160	21814563.9	
4159323	LG Energy Solution, Ltd.	14/10/2021	4159323	21915450.7	
4159501	OPmobility SE	30/09/2022	4159501	22199134.2	French
4159695	Samsung Electronics Co., Ltd.	11/03/2021	4159695	21811919.6	
4159945	Harmatek Oy	16/06/2022	4159945	22179358.1	
4160063	LG Electronics Inc.	27/07/2022	4160063	22187108.0	
4160295	Hamamatsu Photonics K.K.	02/08/2018	4160295	22209052.4	
4160321	ETA SA Manufacture Horlogère Suisse	29/09/2021	4160321	21199919.8	French
4160366	Samsung Display Co., Ltd.	27/09/2022	4160366	22198060.0	
4160567	Kawasaki Motors, Ltd.	28/05/2020	4160567	20937623.5	
4160828	Rosenberger Hochfrequenztechnik GmbH & Co. KG	29/09/2021	4160828	21199738.2	German
4160834	RIPD IP Development Ltd	11/11/2019	4160834	22204628.6	
4161205	Canon Kabushiki Kaisha	12/07/2017	4161205	22203462.1	
4161505	Hovid, Berhad	03/06/2021	4161505	21818356.4	
4161604	Johnson & Johnson Surgical Vision, Inc.	25/05/2021	4161604	21729024.6	
4162246	SCHOTT AG	15/07/2021	4162246	21745324.0	German
4162533	Commissariat à l'Energie Atomique et aux Energies Alternatives	26/07/2021	4162533	21758402.8	French
4162582	Aira, Inc.	28/05/2021	4162582	21818631.0	
4163099	Yamauchi Corporation	02/06/2021	4163099	21817672.5	
4163485	NISSAN MOTOR CO., LTD. Renault SAS	04/06/2020	4163485	20939429.5	
4163784	UiPath, Inc.	05/10/2022	4163784	22199898.2	
4163913	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	29/04/2021	4163913	21833146.0	
4163936	Kitagawa Industries Co., Ltd.	15/07/2021	4163936	21846227.3	
4164218	Samsung Electronics Co., Ltd.	15/05/2019	4164218	22211682.4	
4164265	Huawei Technologies Co., Ltd.	25/02/2017	4164265	22194302.0	
4164801	BIOMÉRIEUX	11/06/2021	4164801	21736643.4	French
4165249	Lind-Rüdt, Andrea	14/06/2021	4165249	21734062.9	German
4165448	Signify Holding B.V.	08/06/2021	4165448	21731149.7	
4165495	Microsoft Technology Licensing, LLC	07/04/2021	4165495	21722037.5	
4165779	Teknologian Tutkimuskeskus VTT OY	16/06/2021	4165779	21735337.4	
4165807	ZTE Corporation	15/07/2020	4165807	20945413.1	
4166001	Bioliv Co., Ltd.	02/06/2021	4166001	21821482.3	
4166183	BMC (Tianjin) Medical Co., Ltd.	16/07/2021	4166183	21842549.4	
4166309	The Boeing Company	13/07/2022	4166309	22184624.9	
4166885	Valeo Autosystemy SP. Z.O.O.	12/10/2021	4166885	21202177.8	
4167587	Commissariat à l'Energie Atomique et aux Energies Alternatives	14/12/2020	4167587	22212859.7	
4167605	BlackBerry Limited	05/01/2018	4167605	22212524.7	
4168179	Graco Minnesota Inc.	15/06/2021	4168179	21739847.8	
4168298	BLUBRAKE S.P.A.	17/06/2021	4168298	21733219.6	
4168776	Siemens Energy Global GmbH & Co. KG Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	23/07/2021	4168776	21754739.7	German
4169313	Telefonaktiebolaget LM Ericsson (publ.)	27/07/2020	4169313	20946929.5	
4169674	Hanwha Robotics Corporation	21/10/2022	4169674	22202884.7	
4169779	Renault s.a.s	22/09/2022	4169779	22197035.3	French
4170143	RTX Corporation	19/10/2022	4170143	22202508.2	
4170751	SK On Co., Ltd.	19/10/2022	4170751	22202624.7	
4170846	Huawei Digital Power Technologies Co., Ltd.	20/10/2022	4170846	22202658.5	
4170976	ZTE Corporation	29/06/2021	4170976	21833400.1	

4171567	Celgene Corporation	23/06/2021	4171567	21829558.2	
4172515	John Crane UK Ltd.	30/06/2021	4172515	21740182.7	
4172660	Magseis FF LLC	28/06/2021	4172660	21745604.5	
4173663	ResMed Pty Ltd	17/12/2014	4173663	22206389.3	
4173775	Samsung Electronics Co., Ltd.	14/01/2022	4173775	22739770.0	
4173962	Airbus Operations (S.A.S.)	15/09/2022	4173962	22195803.6	French
4174850	Samsung Electronics Co., Ltd.	12/07/2021	4174850	21866974.5	
4175153	Daikin Industries, Ltd.	25/06/2021	4175153	21833885.3	
4175347	LG Electronics, Inc.	30/07/2021	4175347	21850596.4	
4175350	ZTE Corporation	28/06/2021	4175350	21832251.9	
4175462	Aerofarms, Inc.	30/06/2021	4175462	21838911.2	
4175559	Limaca Medical Ltd.	01/07/2021	4175559	21831961.4	
4175566	Karl Storz SE & Co. KG	29/06/2021	4175566	21742053.8	German
4176264	Equaly S.A.	06/07/2021	4176264	21739679.5	
4176299	Confocal.nl B.V.	01/07/2021	4176299	21740262.7	
4176613	Apple Inc.	24/09/2021	4176613	21899289.9	
4176818	Stryker Corporation	04/11/2022	4176818	22205509.7	
4176850	Shanghai Flowdynamics Medical Technology Co., Ltd	06/11/2020	4176850	20944499.1	
4177002	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBEL STEEL, LTD.)	21/07/2021	4177002	21858109.8	
4177053	Daikin Industries, Ltd.	01/07/2021	4177053	21834593.2	
4177216	BLANCO GmbH + Co KG	31/10/2022	4177216	22204638.5	German
4177359	JFE Steel Corporation	15/06/2021	4177359	21838845.2	
4178127	INTEL Corporation	12/10/2022	4178127	22201174.4	
4178381	Nicoventures Trading Limited	06/07/2021	4178381	21745391.9	
4178476	Boston Scientific Scimed, Inc.	17/09/2021	4178476	21790048.9	
4178501	Medacta International SA	08/07/2021	4178501	21746570.7	
4178698	Universal City Studios LLC	07/07/2021	4178698	21749451.7	
4178755	Milwaukee Electric Tool Corporation	13/07/2021	4178755	21841698.0	
4178779	FormaTurf GmbH	08/07/2021	4178779	21740062.1	
4178889	Vanderlande Industries B.V.	29/06/2021	4178889	21736399.3	
4179072	EXO BIOLOGICS SA	08/07/2021	4179072	21740507.5	
4179144	Mondi AG	06/07/2021	4179144	21754888.2	German
4179246	Azionaria Costruzioni Macchine Automatiche A.C.M.A. S.p.A.	06/07/2021	4179246	21745424.8	
4179294	Gamma Scientific Inc.	07/07/2021	4179294	21758831.8	
4179312	DH Technologies Development Pte. Ltd.	06/07/2021	4179312	21748946.7	
4179341	Telefonaktiebolaget LM Ericsson (publ)	13/07/2020	4179341	20743347.5	
4179393	VEGA Grieshaber KG	10/07/2020	4179393	20739961.9	German
4179629	Telefonaktiebolaget LM ERICSSON (PUBL)	08/07/2020	4179629	20740729.7	
4179738	Telefonaktiebolaget LM Ericsson (publ)	07/07/2021	4179738	21742807.7	
4179826	QUALCOMM INCORPORATED	10/07/2020	4179826	20944454.6	
4179977	Dürr Dental SE	14/11/2022	4179977	22207332.2	German
4179989	Biosense Webster (Israel) Ltd.	09/11/2022	4179989	22206307.5	
4180024	DEKA Products Limited Partnership	28/07/2015	4180024	23150471.3	
4180027	Tata Consultancy Services Limited	13/07/2022	4180027	22184593.6	
4180217	TOYOBO CO., LTD.	01/07/2021	4180217	21837325.6	
4180245	BRIDGESTONE CORPORATION	08/07/2021	4180245	21842122.0	
4180247	Nio Technology (Anhui) Co., Ltd	16/11/2021	4180247	21208551.8	
4180385	Universitat Politècnica De Catalunya	10/07/2020	4180385	20944082.5	
4180550	Universität Leipzig	12/11/2021	4180550	21208007.1	
4180670	Victori, LLC	19/06/2019	4180670	22195978.6	
4180728	Mitsubishi Heavy Industries Thermal Systems, Ltd.	14/11/2022	4180728	22207282.9	
4181392	Huawei Digital Power Technologies Co., Ltd.	14/05/2021	4181392	21850860.4	
4181693	Uni-Pharma Kleon Tsetis Pharmaceutical Laboratories S.A.	09/07/2021	4181693	21746134.2	
4181769	NEXTMIND SAS	30/06/2021	4181769	21742063.7	
4181907	Oxford University Innovation Limited	14/07/2021	4181907	21745837.1	

4182042	intelligent motion gmbh	30/09/2020	4182042	20785902.6	
4182101	WAFIOS Aktiengesellschaft	07/07/2021	4182101	21742364.9	German
4182132	SIPALAX 2	07/07/2021	4182132	21746081.5	French
4182139	SMRC Automotive Holdings Netherlands B.V.	20/07/2021	4182139	21742843.2	French
4182177	Suffel Fördertechnik GmbH & Co. KG	01/07/2021	4182177	21743384.6	German
4182220	SKF Marine GmbH	06/07/2021	4182220	21742787.1	
4182221	SKF Marine GmbH	06/07/2021	4182221	21742788.9	
4182297	Acuitas Therapeutics, Inc.	16/07/2021	4182297	21751728.3	
4182386	Omya International AG	15/07/2021	4182386	21743495.0	
4182399	Omya International AG	15/07/2021	4182399	21745327.3	
4182528	Fulterer AG & Co KG	06/07/2021	4182528	21739682.9	German
4182559	SPH Sustainable Process Heat GmbH	15/07/2021	4182559	21745960.1	German
4182839	Waymo LLC	23/07/2021	4182839	21755268.6	
4182910	Paschke Ultrasonix LLC	16/07/2021	4182910	21752389.3	
4183115	Tencent America LLC	07/07/2022	4183115	22838366.7	
4183354	Smith & Nephew Asia Pacific Pte. Limited Smith & Nephew Orthopaedics AG Smith & Nephew, Inc.	07/11/2022	4183354	22205896.8	
4183511	LG Energy Solution, Ltd.	25/06/2021	4183511	21842075.0	
4183643	MAN Truck & Bus SE	09/11/2022	4183643	22206276.2	German
4184131	Airbus S.A.S.	19/11/2021	4184131	21209235.7	
4184686	LG Energy Solution, Ltd.	04/03/2022	4184686	22763644.6	
4185086	Universal Display Corporation	25/07/2018	4185086	22208639.9	
4185156	ELC Management LLC	20/07/2021	4185156	21846116.8	
4185252	Hollister Incorporated	22/07/2021	4185252	21752854.6	
4185302	Neilos S.r.l.	22/06/2021	4185302	21756028.3	
4185318	Regeneron Pharmaceuticals, Inc. Bayer HealthCare LLC	16/05/2022	4185318	22728724.0	
4185433	ESAB AB	19/07/2021	4185433	21745442.0	
4185561	SABIC Global Technologies B.V.	16/07/2021	4185561	21742531.3	
4185773	Eckerle Technologies GmbH	19/07/2021	4185773	21746687.9	German
4185778	SAFRAN AIRCRAFT ENGINES	15/07/2021	4185778	21754811.4	French
4185897	BP Corporation North America Inc.	23/07/2021	4185897	21755645.5	
4185907	Optek Systems, Inc.	22/07/2021	4185907	21845421.3	
4185943	Lion Group, Inc.	30/07/2020	4185943	20946287.8	
4186018	Capital One Services, LLC	21/07/2021	4186018	21846710.8	
4186272	Telefonaktiebolaget LM Ericsson (publ)	22/07/2020	4186272	20945953.6	
4186427	FUJIFILM Corporation	14/10/2022	4186427	22201610.7	
4187080	Siemens Gamesa Renewable Energy A/S	21/03/2019	4187080	22212001.6	
4187212	B/E Aerospace, Inc.	23/11/2022	4187212	22209090.4	
4187477	Hitachi Construction Machinery Co., Ltd.	26/11/2021	4187477	21906304.7	
4187600	Imec VZW	26/11/2021	4187600	21210849.2	
4187606	Samsung Electronics Co., Ltd.	22/11/2022	4187606	22208793.4	
4187786	NXP B.V.	30/11/2021	4187786	21306663.2	
4187988	CANON KABUSHIKI KAISHA	04/06/2021	4187988	21845177.1	
4188011	Vivo Mobile Communication Co., Ltd.	22/07/2021	4188011	21846751.2	
4188093	FMC Corporation	28/07/2021	4188093	21758233.7	
4188537	CAScination AG	30/07/2021	4188537	21752228.3	
4188712	Ricoh Company, Ltd.	13/07/2021	4188712	21742910.9	
4188713	Landa Corporation Ltd.	11/07/2021	4188713	21849053.0	
4188754	Tesla, Inc.	28/07/2021	4188754	21851343.0	
4189298	ROCKY RESEARCH	22/07/2021	4189298	21848724.7	
4189336	Chart Inc.	21/07/2021	4189336	21752451.1	
4189344	Centre national de la recherche scientifique Observatoire de la Côte d'Azur Université Côte d'Azur UNIVERSITÉ GRENOBLE ALPES	30/07/2020	4189344	20793022.3	French
4189353	ExxonMobil Technology and Engineering Company	08/07/2021	4189353	21746900.6	
4189775	MAN Truck & Bus SE	14/07/2021	4189775	21745737.3	German
4189780	Wago Verwaltungsgesellschaft mbH	26/07/2021	4189780	21749594.4	German

4189788	HARTING Electric Stiftung & Co. KG	23/07/2021	4189788	21754911.2	German
4189837	Bexema GmbH	29/07/2021	4189837	21758596.7	German
4190227	arterioscope FlexCo	02/12/2021	4190227	21212048.9	
4190231	Huvitz Co., Ltd.	29/11/2022	4190231	22210237.8	
	Ossvis Co., Ltd.				
4190597	Sumitomo Rubber Industries, Ltd.	20/07/2021	4190597	21863973.0	
4190638	Misato Industries Co., Ltd.	26/07/2021	4190638	21850259.9	
4190794	Lg Chem, Ltd.	30/07/2021	4190794	21850175.7	
4190920	Soenen Technology NV	05/12/2022	4190920	22211397.9	
4190944	Kyoto University	29/07/2021	4190944	21850577.4	
	NATIONAL UNIVERSITY				
	CORPORATION YOKOHAMA				
	NATIONAL UNIVERSITY				
	De Nora Permelec Ltd				
4191099	Asahi Yukizai Corporation	29/07/2021	4191099	21850575.8	
4191106	SMC Corporation	12/07/2021	4191106	21849646.1	
4191325	Nippon Telegraph And Telephone Corporation	29/07/2020	4191325	20947332.1	
4191401	Huawei Cloud Computing Technologies Co., Ltd.	11/05/2021	4191401	21855146.3	
4191509	Daikin Industries, Ltd.	30/07/2021	4191509	21853141.6	
4191768	LG Energy Solution, Ltd.	26/07/2021	4191768	21850288.8	
4191788	Snap Inc.	06/03/2018	4191788	23153381.1	
4191798	Switchlab Inc.	13/11/2022	4191798	22207085.6	
	Switchlab (Shanghai) Co., Ltd.				
	Gaocheng Electronics Co., Ltd				
4191853	Commissariat à l'Energie Atomique et aux Energies Alternatives	05/12/2022	4191853	22211441.5	French
4191923	Spreadtrum Communications (Shanghai) Co., Ltd.	29/07/2021	4191923	21850634.3	
4192035	USound GmbH	02/12/2022	4192035	22210982.9	German
4192151	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	29/07/2020	4192151	20947263.8	
4192306	Kenton, Oliver Smith	27/07/2021	4192306	21751633.5	
4192324	Boston Scientific Scimed, Inc.	21/09/2021	4192324	21791178.3	
4192744	G.D S.p.A.	26/07/2021	4192744	21755828.7	
4192809	OLON S.p.A.	30/07/2021	4192809	21749709.8	
4193138	Fundació Eurecat	27/07/2021	4193138	21746767.9	
4193205	ASML Netherlands B.V.	12/07/2021	4193205	21745272.1	
4193512	Mercedes-Benz Group AG	25/05/2022	4193512	22733527.0	German
4193811	Kjellberg-Stiftung	29/07/2021	4193811	21798270.1	German
4194165	Disto Holding GmbH	21/11/2022	4194165	22208490.7	German
4194519	Sakata INX Corporation	21/07/2021	4194519	21852988.1	
4194638	Protektorwerk Florenz Maisch GmbH & Co. KG	07/12/2022	4194638	22211950.5	German
4194960	The Swatch Group Research and Development Ltd	10/12/2021	4194960	21213832.5	French
4195458	Huawei Digital Power Technologies Co., Ltd.	25/06/2021	4195458	21946505.1	
4195462	Resonac Corporation	20/07/2021	4195462	21852768.7	
4195910	Ocado Innovation Limited	29/07/2021	4195910	21751814.1	
4195938	FrieslandCampina Nederland B.V.	09/07/2021	4195938	21740523.2	
4195939	FrieslandCampina Nederland B.V.	09/07/2021	4195939	21740526.5	
4196633	Arçelik Anonim Sirketi	08/07/2021	4196633	21851413.1	
4196966	Tencent America LLC	03/05/2022	4196966	22856362.3	
4197017	Maschinenfabrik Reinhausen GmbH	21/07/2021	4197017	21748588.7	German
4197593	Siemens Healthineers International AG	16/12/2022	4197593	22214137.6	
4197610	Tomy Company, Ltd.	28/10/2021	4197610	21827373.8	
4197667	Hamilton Sundstrand Corporation	05/12/2022	4197667	22211469.6	
4197742	Essilor International	15/12/2021	4197742	21306781.2	
4197900	Brunswick Corporation	11/11/2022	4197900	22206829.8	
4198314	LG Electronics, Inc.	21/10/2022	4198314	22202921.7	

4198610	Continental Automotive Technologies GmbH	02/12/2022	4198610	22211118.9	German
4198703	Changxin Memory Technologies, Inc.	29/07/2021	4198703	21934347.2	
4198913	Amadeus S.A.S.	16/12/2021	4198913	21306796.0	
4199231	LG Energy Solution, Ltd.	28/04/2022	4199231	22811504.4	
4199632	Vivo Mobile Communication Co., Ltd.	10/08/2021	4199632	21855527.4	
4199670	Dongguan Lingjie Precision Machining Technology Co., Ltd.	28/01/2021	4199670	21916914.1	
4199836	Cilag GmbH International	15/08/2022	4199836	22764860.7	
4200671	ASML Netherlands B.V.	29/07/2021	4200671	21752530.2	
4202190	PRATT & WHITNEY CANADA CORP.	22/12/2022	4202190	22215981.6	
4202262	CNH Industrial Italia S.p.A.	13/12/2022	4202262	22213043.7	
4202487	Hyundai Mobis Co., Ltd.	22/12/2022	4202487	22215848.7	
4202600	Samsung Electronics Co., Ltd.	10/02/2021	4202600	23156054.1	
4202655	Intel Corporation	08/11/2022	4202655	22205974.3	
4202853	Aptiv Technologies AG	22/12/2021	4202853	21216907.2	
4203087	LG Energy Solution, Ltd.	18/01/2022	4203087	22795927.7	
4203333	The Boeing Company	04/12/2018	4203333	23154718.3	
4203546	ZTE Corporation	13/07/2021	4203546	21876891.9	
4204284	Agco Corporation	14/07/2021	4204284	21742915.8	
4204290	Intelligent Motion Limited	21/07/2022	4204290	22755063.9	
4204332	Exotec Product France	27/08/2021	4204332	21770172.1	French
4204510	Advanced Polymer Coatings, Inc.	05/10/2021	4204510	21878719.0	
4204954	Ampere SAS	27/07/2021	4204954	21751547.7	French
4205296	QUALCOMM INCORPORATED	12/07/2021	4205296	21751913.1	
4205659	Kim, Han-Joon	09/09/2021	4205659	21866833.3	
4205827	130T Inc.	23/08/2021	4205827	21861998.9	
4205945	Guangzhou Tech-Long Packaging Machinery Co., Ltd	19/08/2021	4205945	21950665.6	
4206042	Autoliv Development AB	12/07/2021	4206042	21861008.7	
4206493	Valmet Automotive Oy	23/12/2022	4206493	22216605.0	German
4206527	Fescon Oy	30/12/2021	4206527	21218369.3	
4206642	Jiaxing Jingzhu Biotechnology Co., Ltd.	22/04/2021	4206642	21876858.8	
4206693	Melexis Technologies SA	29/12/2021	4206693	21218044.2	
4206790	3M Innovative Properties Company	16/12/2022	4206790	22214267.1	
4207725	Samsung Electronics Co., Ltd.	14/10/2021	4207725	21883128.7	
4207742	Vivo Mobile Communication Co., Ltd.	23/11/2021	4207742	21896964.0	
4208383	Renault s.a.s	08/07/2021	4208383	21739708.2	French
4208630	Cummins, Inc.	27/07/2021	4208630	21865287.3	
4208673	Siemens Energy Global GmbH & Co. KG	05/10/2021	4208673	21794311.7	German
4210020	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI	17/08/2021	4210020	21864094.4	
4210299	Nokia Solutions and Networks Oy	07/01/2022	4210299	22150604.1	
4211645	Microsoft Technology Licensing, LLC	20/05/2021	4211645	21732708.9	
4211918	ZTE Corporation	15/10/2020	4211918	20957133.0	
4212815	Valeo Autosystemy SP. Z.O.O.	14/01/2022	4212815	22151647.9	
4212952	JFE Steel Corporation	19/07/2021	4212952	21866372.2	
4213297	AT & S Austria Technologie & Systemtechnik Aktiengesellschaft	13/01/2022	4213297	22151403.7	
4213514	Huawei Technologies Co. Ltd.	30/09/2020	4213514	20955838.6	
4213552	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	10/09/2020	4213552	20952792.8	
4214148	Philip Morris Products S.A.	28/07/2021	4214148	21749641.3	
4214443	Biaco Limited	28/02/2022	4214443	22707834.2	
4214713	Illumina, Inc.	15/09/2021	4214713	21790707.0	
4215425	TOYOTA JIDOSHA KABUSHIKI KAISHA	19/01/2023	4215425	23152424.0	
4216426	Rockwell Automation Technologies, Inc.	02/01/2023	4216426	23150035.6	
4216518	Samsung Electronics Co., Ltd.	26/10/2021	4216518	21894926.1	
4216591	Oracle International Corporation	16/01/2023	4216591	23151789.7	

4216677	Self Electronics Co., Ltd. SELF ELECTRONICS Germany GmbH Lin, Wanjiong	18/01/2023	4216677	23152146.9	
4217261	Barjesteh, Ali	30/09/2021	4217261	21830384.0	German
4217579	Pellegrino, Marco	24/09/2021	4217579	21791460.5	
4217915	Koninklijke Philips N.V.	15/09/2021	4217915	21773822.8	
4217918	Apple Inc.	22/09/2021	4217918	21791196.5	
4217949	Oracle International Corporation	22/09/2021	4217949	21798849.2	
4218012	Dolby Laboratories Licensing Corporation Dolby International AB	21/09/2021	4218012	21798836.9	
4218043	Comet Technologies USA, Inc	27/09/2021	4218043	21873590.0	
4218405	The Clorox Company	25/05/2021	4218405	23169307.8	
4218556	Abiomed, Inc.	22/11/2019	4218556	23166270.1	
4219745	Prognosys Biosciences, Inc.	25/06/2014	4219745	23156583.9	
4219775	JFE Steel Corporation	02/07/2021	4219775	21877186.3	
4219987	Hamilton Sundstrand Corporation	30/09/2019	4219987	23169871.3	
4220095	Baumer Germany GmbH & Co. KG	19/01/2023	4220095	23152478.6	German
4220498	Nippon Telegraph And Telephone Corporation	25/09/2020	4220498	20955250.4	
4221010	Huawei Technologies Co., Ltd.	15/11/2018	4221010	22202091.9	
4221288	HID Global CID SAS	19/06/2020	4221288	23168322.8	
4222023	Shanghai Yanfeng Jinqiao Automotive Trim Systems Co. Ltd	30/09/2021	4222023	21876502.2	
4223180	ZARGES GmbH	28/02/2023	4223180	23159046.4	German
4223371	Honeywell Safety Products USA, Inc.	14/04/2016	4223371	23150763.3	
4223598	VOLVO TRUCK CORPORATION	02/02/2023	4223598	23154687.0	
4223680	Panasonic Intellectual Property Management Co., Ltd.	16/07/2021	4223680	21874863.0	
4223696	Institut National De La Recherche Scientifique	20/07/2017	4223696	23166272.7	
4224154	Ishida Co., Ltd.	25/01/2023	4224154	23153190.6	
4224252	Sony Interactive Entertainment Inc.	25/02/2014	4224252	23160561.9	
4224275	Nintendo Co., Ltd.	17/09/2021	4224275	21875296.2	
4224984	Telefonaktiebolaget LM Ericsson (publ)	09/07/2021	4224984	23166344.4	
4225145	BIOTRONIK SE & Co. KG	05/10/2021	4225145	21791271.6	
4225985	Arçelik Anonim Sirketi	08/07/2021	4225985	21878126.8	
4226064	ZF CV Systems Global GmbH	27/09/2021	4226064	21786116.0	German
4226081	Truma Gerätetechnik GmbH & Co. KG	14/07/2021	4226081	21749767.6	German
4226403	Maschinenfabrik Reinhausen GmbH	30/09/2021	4226403	21786426.3	German
4226589	Telefonaktiebolaget LM Ericsson (publ)	07/10/2020	4226589	20793465.4	
4226848	Honor Device Co., Ltd.	15/09/2022	4226848	22859508.8	
4227152	Britax Child Safety Inc.	14/02/2023	4227152	23156636.5	
4227188	Liebherr-Transportation Systems GmbH & Co. KG	24/01/2023	4227188	23152988.4	German
4227654	Kao Corporation	29/09/2021	4227654	21877462.8	
4228575	KCI Manufacturing Unlimited Company	11/11/2021	4228575	21811493.2	
4228825	Volvo Construction Equipment AB	13/10/2021	4228825	21802422.2	
4229271	Moog Inc.	11/11/2021	4229271	21820407.1	
4229276	Schlumberger Technology B.V.	15/10/2020	4229276	20957884.8	
4229284	Rabhi, Vianney	28/09/2021	4229284	21798080.4	French
4229801	Nokia Technologies Oy	26/08/2021	4229801	21766175.0	
4229901	QUALCOMM INCORPORATED	19/10/2021	4229901	21806567.0	
4230357	sewts GmbH	21/02/2022	4230357	22157810.7	
4230423	Canon Production Printing Holding B.V.	16/02/2022	4230423	22156979.1	
4230915	RTX Corporation	17/02/2023	4230915	23157406.2	
4231227	Imec VZW	10/09/2020	4231227	23176597.5	
4231320	Hitachi Energy Ltd	17/02/2022	4231320	22157343.9	
4231324	Panasonic Intellectual Property Management Co., Ltd.	25/10/2018	4231324	23171929.5	
4231784	Tridonic GmbH & Co. KG	17/02/2022	4231784	22157168.0	
4232108	AxoGen Corporation	21/10/2021	4232108	21807410.2	
4232463	GILEAD SCIENCES, INC.	20/10/2021	4232463	21811569.9	

4232681	Soilmec SpA	25/10/2021	4232681	21802429.7	French
4233018	BIOMERIEUX Bioaster	19/10/2021	4233018	21807184.3	
4233217	Telefonaktiebolaget LM Ericsson (publ)	23/09/2021	4233217	21881813.6	German
4233503	Yanmar Holdings Co., Ltd.	13/09/2021	4233503	21882475.3	
4233615	NIKE Innovate C.V.	18/05/2018	4233615	23176103.2	
4233751	Globus Medical, Inc.	21/02/2023	4233751	23157773.5	
4233804	EPIC INVENTING, INC.	07/06/2019	4233804	23181875.8	
4233805	T.G. Medical Inc.	06/09/2021	4233805	21882454.8	
4233867	Nicox SA	24/02/2022	4233867	22158443.6	
4233970	Poly Medicure Limited	27/03/2012	4233970	23172257.0	
4234215	Goodrich Corporation	17/02/2023	4234215	23157403.9	
4234301	MAZDA MOTOR CORPORATION	17/02/2023	4234301	23157141.5	
4234352	BRIDGESTONE CORPORATION	01/07/2021	4234352	21882382.1	
4234475	Vehicle Service Group, LLC	22/02/2023	4234475	23158076.2	
4235093	Koh Young Technology Inc.	20/05/2019	4235093	23185802.8	
4235094	VAMAG S.r.l.	23/02/2023	4235094	23158172.9	
4235243	GlobalFoundries U.S. Inc.	06/10/2022	4235243	22200133.1	
4235250	Raytheon Company	22/05/2018	4235250	23173417.9	
4235577	Samsung Electronics Co., Ltd.	29/12/2021	4235577	21938051.6	
4236305	Robert Bosch GmbH	28/02/2022	4236305	22159195.1	
4236313	Huawei Technologies Co. Ltd.	23/09/2020	4236313	23167944.0	
4236828	Boston Scientific Scimed, Inc.	01/11/2021	4236828	21820062.4	
4237280	CYBEX GmbH	26/10/2021	4237280	21801084.1	
4237313	Wonderland Switzerland AG	08/02/2022	4237313	22708444.9	
4237401	Quino Energy, Inc. President and Fellows of Harvard College	09/06/2022	4237401	22765259.1	
4238501	J. Morita Manufacturing Corporation	25/10/2021	4238501	21886135.9	
4239173	Rolls-Royce plc	07/02/2023	4239173	23155251.4	
4239288	Xiaomi EV Technology Co., Ltd.	25/07/2022	4239288	22186625.4	
4239587	Honeywell International Inc.	13/02/2023	4239587	23156413.9	
4239631	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	10/06/2016	4239631	23174592.8	
4239856	XPT EDS (Hefei) Co., Ltd.	28/02/2023	4239856	23159234.6	French
4239911	Nokia Solutions and Networks Oy	23/01/2023	4239911	23152926.4	
4239965	Juniper Networks, Inc.	29/03/2022	4239965	22165161.5	
4239982	Telefonaktiebolaget LM Ericsson (publ)	20/11/2020	4239982	23187266.4	
4240307	Bormioli Pharma S.p.A.	27/10/2021	4240307	21810108.7	
4240477	Medtronic, Inc.	14/09/2021	4240477	21787214.2	
4240801	Henkel AG & Co. KGaA	05/11/2020	4240801	20960301.8	
4242038	VOLVO TRUCK CORPORATION	11/03/2022	4242038	22161664.2	
4242217	CANON KABUSHIKI KAISHA	04/11/2021	4242217	21889218.0	
4242650	Carrier Corporation	09/03/2023	4242650	23161049.4	
4242922	IDEMIA Public Security France	16/02/2023	4242922	23157108.4	French
4243201	mitsubishi electric CORPORATION	18/12/2020	4243201	20966000.0	
4243384	Beijing Xiaomi Mobile Software Co., Ltd.	28/07/2022	4243384	22187592.5	German
4243686	3D4Medical Limited	24/11/2020	4243686	20815748.7	
4243707	Boston Scientific Medical Device Limited Boston Scientific Scimed, Inc.	11/05/2022	4243707	22729876.7	
4243941	Heavy Kinematic Machines Sp. z o. o.	15/11/2020	4243941	20808322.0	
4244114	SWS PS Power Solutions GmbH	14/06/2021	4244114	21732292.4	
4244851	Google LLC	21/11/2021	4244851	21827325.8	
4244911	Novald GmbH	12/11/2021	4244911	21815128.0	
4245145	Minipan S.r.l.	10/03/2023	4245145	23161320.9	
4245380	Flo Fitness LLC	17/03/2023	4245380	23162729.0	
4245494	Asahi Kasei Kabushiki Kaisha	10/11/2021	4245494	21891922.3	
4246069	Beko Europe Management S.r.l.	02/02/2023	4246069	23154801.7	German
4246206	Diehl Defence GmbH & Co. KG	15/03/2023	4246206	23162060.0	
4246330	Samsung Electronics Co., Ltd.	12/01/2023	4246330	23151311.0	
4246582	Hamamatsu Photonics K.K.	14/10/2021	4246582	21903007.9	
4246709	Huawei Technologies Co. Ltd.	31/12/2020	4246709	20967806.9	

4246977	Beijing Dajia Internet Information Technology Co., Ltd.	12/03/2020	4246977	23190416.0	
4246978	Beijing Dajia Internet Information Technology Co., Ltd.	12/03/2020	4246978	23190421.0	
4247081	NTT DOCOMO, INC.	09/11/2021	4247081	21891850.6	
4247256	Willow Laboratories, Inc.	17/11/2021	4247256	21824718.7	
4247796	ADAMA MAKHTESHIM LTD.	18/11/2021	4247796	21824090.1	
4248060	BiSN Tec Ltd	22/11/2021	4248060	21815639.6	
4248074	SAFRAN AIRCRAFT ENGINES	08/11/2021	4248074	21807082.9	French
4248169	Gleason Metrology Systems Corporation	16/11/2021	4248169	21824260.0	
4248290	Autostore Technology AS	12/11/2021	4248290	21811309.0	
4248307	Microsoft Technology Licensing, LLC	06/10/2021	4248307	21802477.6	
4248827	LG Electronics Inc.	30/07/2020	4248827	23191928.3	
4249023	Fisher & Paykel Healthcare Limited	22/07/2016	4249023	23190531.6	
4249376	B/E Aerospace, Inc.	16/03/2023	4249376	23162307.5	
4249389	air up group GmbH	13/07/2018	4249389	23189443.7	German
4249536	JNC Corporation	26/10/2021	4249536	21894432.0	
4249866	Ricoh Company, Ltd.	22/03/2023	4249866	23163360.3	
4249883	KUKA Robotics Guangdong Co., Ltd.	29/09/2021	4249883	21893602.9	
4249988	BOE Technology Group Co., Ltd.	18/06/2021	4249988	21945529.2	
4250014	FUJIFILM Business Innovation Corp.	01/03/2023	4250014	23159315.3	
4250487	ZHONGKE XINGHE (SHANDONG) INTELLIGENT TECHNOLOGY CO., LTD.	26/01/2021	4250487	21918724.2	
	Chengdu Institute Of Biology, Chinese Academy Of Sciences				
4250555	Oriental Motor Co., Ltd.	09/11/2021	4250555	21897706.4	
4250587	Google LLC	14/07/2021	4250587	23191032.4	
4250636	Bundesdruckerei GmbH	14/07/2010	4250636	23170433.9	German
4250645	CrowdStrike, Inc.	24/03/2021	4250645	23191419.3	
4250687	Beijing Xiaomi Mobile Software Co., Ltd.	29/07/2022	4250687	22187858.0	
4251116	Hero Health, Inc.	03/01/2022	4251116	22701078.2	
4251341	Danieli & C. Officine Meccaniche S.p.A.	25/11/2021	4251341	21830765.0	
4251473	VALEO VISION	22/11/2021	4251473	21806297.4	French
4251837	Brose Fahrzeugteile SE & Co. Kommanditgesellschaft, Bamberg	14/12/2021	4251837	21835753.1	German
4252231	QUALCOMM INCORPORATED	19/11/2021	4252231	21836306.7	
4252374	QUALCOMM INCORPORATED	11/10/2021	4252374	21805721.4	
4252383	Ofinno, LLC	17/02/2022	4252383	22707576.9	
4252537	GEA Food Solutions Bakel B.V.	26/11/2014	4252537	23173643.0	
4252995	Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)	21/03/2023	4252995	23163011.2	
4253683	VKR Holding A/S	31/03/2023	4253683	23166168.7	
4254094	Yokogawa Electric Corporation	09/03/2023	4254094	23160987.6	
4254201	aiMotive Kft.	29/03/2022	4254201	22165121.9	
4254481	Changxin Memory Technologies, Inc.	02/07/2021	4254481	21931062.0	
4256140	CNH Industrial Italia S.p.A.	07/12/2021	4256140	21836067.5	
4256730	Continental Automotive Technologies GmbH	30/11/2021	4256730	21834722.7	German
4256943	Deere & Company	13/03/2023	4256943	23161586.5	
4257040	Hu-Friedy Mfg. Co., LLC	18/02/2019	4257040	23189502.0	
4257445	TOYOTA JIDOSHA KABUSHIKI KAISHA	24/03/2023	4257445	23164139.0	
4258009	Aptiv Technologies AG	30/01/2023	4258009	23153861.2	
4258262	QUALCOMM Incorporated	21/12/2018	4258262	23174623.1	
4258505	Huawei Digital Power Technologies Co., Ltd.	31/03/2020	4258505	23178499.2	
4258615	MitraStar Technology Corporation	14/12/2022	4258615	22213408.2	
4258655	Honor Device Co., Ltd.	05/01/2023	4258655	23731075.0	
4258865	Trianni, Inc.	08/12/2021	4258865	21836309.1	
4258983	Koninklijke Philips N.V.	10/12/2021	4258983	21823608.1	
4259505	Siemens Mobility GmbH	06/12/2021	4259505	21836355.4	German

4259741	Henkel AG & Co. KGaA	06/12/2021	4259741	21904167.0	
4259796	UCL Business Ltd	09/12/2021	4259796	21835670.7	
	The United States of America, as represented by the Secretary, Department of Health and Human Services				
4260007	Dürr Assembly Products GmbH	09/12/2021	4260007	21843583.2	German
4260534	Microsoft Technology Licensing, LLC	18/10/2021	4260534	21805786.7	
4260609	Telefonaktiebolaget LM Ericsson (publ)	14/12/2021	4260609	21840128.9	
4260807	Canon Medical Systems Corporation	13/03/2023	4260807	23161572.5	
4260836	Kohlbrat & Bunz Gesellschaft m.b.H	13/04/2023	4260836	23167757.6	German
4260914	Soletanche Freyssinet	11/04/2022	4260914	22305514.6	French
4261334	BSH Hausgeräte GmbH	16/03/2023	4261334	23162332.3	German
4261369	Security People, Inc.	14/10/2022	4261369	22201553.9	
4261886	Samsung Display Co., Ltd.	31/03/2023	4261886	23166072.1	
4262118	LG ELECTRONICS INC.	29/11/2022	4262118	22210207.1	
4262178	Samsung Electronics Co., Ltd.	13/06/2022	4262178	22828651.4	
4262211	Godo Kaisha IP Bridge 1	19/12/2019	4262211	23196333.1	
4263110	THALES	13/12/2021	4263110	21836501.3	French
	Centre National de la Recherche Scientifique				
4263317	CRRC QINGDAO SIFANG CO., LTD.	15/12/2021	4263317	21835768.9	German
	CG RAIL - CHINESISCH-DEUTSCHES FORSCHUNGS- UND ENTWICKLUNGSZENTRUM FÜR BAHN- UND VERKEHRSTECHNIK DRESDEN GMBH				
4263653	Power2Polymers GmbH	09/12/2021	4263653	21830429.3	German
4264002	Schlumberger Technology B.V.	13/12/2021	4264002	21907555.3	
4264390	Ampere SAS	16/12/2021	4264390	21839510.1	French
	NISSAN MOTOR CO., LTD.				
4264604	Dolby International AB	15/12/2021	4264604	21839465.8	
4265242	Athena Pharmaceutiques SAS	01/02/2023	4265242	23154522.9	
4265389	Ucosan b.v. (Villeroy & Boch Wellness)	13/12/2022	4265389	22213148.4	German
4265400	The Procter & Gamble Company	17/04/2023	4265400	23168292.3	
4265493	Volvo Car Corporation	21/04/2022	4265493	22169309.6	
4265743	JFE Steel Corporation	08/12/2021	4265743	21925812.6	
4265844	Wirtgen GmbH	29/03/2023	4265844	23164975.7	German
4265939	Siemens Gamesa Renewable Energy Innovation & Technology S.L.	22/04/2022	4265939	22382379.0	
4266147	Samsung Electronics Co., Ltd.	28/12/2021	4266147	21923461.4	
4266163	Honor Device Co., Ltd.	08/12/2022	4266163	22888612.3	
4266500	Honor Device Co., Ltd.	22/12/2022	4266500	22919270.3	
4266652	Carl Freudenberg KG	20/04/2022	4266652	22169043.1	German
4266676	Honor Device Co., Ltd.	24/05/2022	4266676	22855029.9	
4267014	Boston Scientific Scimed, Inc.	25/01/2022	4267014	22703831.2	
4267259	Tyco Fire Products LP	22/12/2021	4267259	21914819.4	
4267442	Faiveley Transport Italia S.p.A.	22/12/2021	4267442	21847537.4	
4267495	Autostore Technology AS	21/12/2021	4267495	21843723.4	
4267685	Memjet Technology Limited	18/02/2022	4267685	22708097.5	
4267964	Fundació de Recerca Clínic Barcelona- Institut d'Investigacions Biomèdiques August Pi I Sunyer Hospital Clínic de Barcelona	19/07/2021	4267964	21746464.3	
4268052	Telefonaktiebolaget LM Ericsson (publ)	22/12/2020	4268052	20839314.0	
4268105	British Telecommunications public limited company	07/12/2021	4268105	21831284.1	
4268323	Telefonaktiebolaget LM Ericsson (publ)	22/12/2020	4268323	20838545.0	
4268680	Epta S.p.A.	30/03/2023	4268680	23165600.0	
4268716	Arisawa Mfg. Co., Ltd.	13/12/2021	4268716	21910442.9	
4268843	F. Hoffmann-La Roche Ltd	06/11/2015	4268843	23189385.0	
4269315	Otis Elevator Company	31/07/2017	4269315	23187736.6	
4269509	Kao Corporation	29/06/2021	4269509	21914939.0	

4269686	NUVI RELEAF GMBH	18/10/2019	4269686	23197827.1	German
4269995	LG ELECTRONICS INC.	21/07/2022	4269995	22186257.6	
4270016	Magic Leap, Inc.	23/07/2019	4270016	23195266.4	
4270186	Beijing Zitiao Network Technology Co., Ltd.	11/01/2022	4270186	22742036.1	
4270229	British Telecommunications public limited company	29/04/2022	4270229	22170757.3	
4271102	Huawei Technologies Co. Ltd.	13/01/2021	4271102	21918288.8	
4272834	Beth Israel Deaconess Medical Center, Inc. The Children's Medical Center Corporation	13/01/2017	4272834	23179249.0	
4272881	Autobio Labtec Instruments Co., Ltd.	24/12/2021	4272881	21914195.9	
4273818	InnoTrafik Oy	25/04/2023	4273818	23169738.4	
4273858	Telefonaktiebolaget LM Ericsson (publ)	05/04/2019	4273858	23180564.9	
4274090	NXP USA, Inc.	02/05/2023	4274090	23171061.7	
4274169	Barco NV	21/12/2018	4274169	23192763.3	
4274198	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	20/10/2021	4274198	21927560.9	
4274241	Google LLC	03/10/2017	4274241	23194421.6	
4274484	Alpha Tau Medical Ltd.	13/12/2021	4274484	21917390.3	
4275486	LG Electronics Inc.	10/07/2020	4275486	23195112.0	
4275756	Incyte Holdings Corporation	16/05/2014	4275756	23185889.5	
4275867	CRIPPA S.r.l. con socio unico	03/05/2023	4275867	23000069.7	
4275902	Hamilton Sundstrand Corporation	11/05/2022	4275902	22461547.6	
4275904	SiriusVision CO., LTD.	29/03/2023	4275904	23164970.8	
	Miyakoshi Printing Machinery Co., Ltd.				
4276048	Zhejiang Sany Equipment Co., LTD	14/07/2021	4276048	21918878.6	
4276301	Wobben Properties GmbH	13/05/2022	4276301	22173336.3	German
4277543	Applied Medical Resources Corporation	14/01/2022	4277543	22701137.6	
4278210	Deutsches Zentrum für Luft- und Raumfahrt e.V.	21/12/2021	4278210	21844263.0	German
4278864	Signify Holding B.V.	06/01/2022	4278864	22700726.7	
4279759	VALEO EMBRAYAGES	19/04/2023	4279759	23168823.5	
4279761	Milwaukee Electric Tool Corporation	11/05/2023	4279761	23172771.0	
4279864	Mahle International GmbH	16/05/2022	4279864	22173550.9	
4280262	Brooks Automation US, LLC	29/01/2019	4280262	23202032.1	
4280543	Credo.AI Corp.	12/05/2023	4280543	23173243.9	
4280729	LG Electronics Inc.	11/01/2022	4280729	22739621.5	
4281031	Beiersdorf AG	13/01/2022	4281031	22701895.9	German
4281202	I-AIM-I GmbH	31/03/2022	4281202	22719919.7	German
4282335	Sirona Dental Systems GmbH DENTSPLY SIRONA Inc.	24/05/2022	4282335	22175192.8	
4282506	Sharc Energy Systems Inc.	04/07/2022	4282506	22182844.5	
4282592	PRATT & WHITNEY CANADA CORP.	26/05/2023	4282592	23175854.1	
4283451	Honor Device Co., Ltd.	04/01/2023	4283451	23737034.1	
4283571	Anhui NIO Autonomous Driving Technology Co., Ltd.	22/05/2023	4283571	23174498.8	
4283861	Power Integrations, Inc.	19/05/2023	4283861	23174258.6	
4284686	VALEO SYSTEMES D'ESSUYAGE	26/01/2022	4284686	22701399.2	French
4285051	Valeo Vision	28/01/2022	4285051	22702279.5	French
4285809	FUJIFILM Corporation	25/09/2019	4285809	23204354.7	
4286271	Asco Industries NV	01/06/2022	4286271	22176859.1	
4286714	REINZ-Dichtungs-GmbH	01/06/2023	4286714	23176766.6	German
4286784	Xiamen Kehua Digital Energy Tech Co., Ltd.	23/12/2022	4286784	22216577.1	
4287033	Fullink Technology Co., Ltd.	29/01/2021	4287033	21921848.4	
4287149	Arinc Incorporated	26/05/2023	4287149	23175765.9	
4288006	Alcon Inc.	01/02/2022	4288006	22703457.6	
4288228	Novelis Inc.	03/02/2022	4288228	22705353.5	
4288736	Octopus Energy Heating Limited	07/02/2022	4288736	22709024.8	
4289129	QUALCOMM INCORPORATED	09/12/2021	4289129	21839806.3	
4289369	Hansel, Trevor Thomas Hunt Developments (UK) Ltd.	30/05/2023	4289369	23175953.1	

4290357	Microsoft Technology Licensing, LLC	04/05/2020	4290357	23206304.0	
4290460	ZHEJIANG LINGDI DIGITAL TECHNOLOGY CO., LTD	07/07/2022	4290460	22885192.9	
4291749	Transocean Sedco Forex Ventures Limited	10/02/2022	4291749	22753322.1	
4292643	Implantica Patent Ltd.	12/10/2009	4292643	23183626.3	
4292760	Festool GmbH	05/12/2016	4292760	23200233.7	German
4292895	China Faw Co., Ltd.	14/07/2022	4292895	22845221.5	
4292937	Hamilton Sundstrand Corporation	14/06/2023	4292937	23179340.7	
4293061	Kuraray Co., Ltd.	04/02/2022	4293061	22752703.3	
4293191	Korea Ocean Tech Co.,Ltd.	24/12/2021	4293191	21928249.8	
4293553	TOYOTA JIDOSHA KABUSHIKI KAISHA	20/02/2019	4293553	23207690.1	
4293568	BGI Shenzhen	23/01/2019	4293568	23207691.9	
4294005	JVCKENWOOD Corporation	01/03/2022	4294005	22771104.1	
4294725	UBIQ AEROSPACE AS	14/02/2022	4294725	22705057.2	
4294878	BASF Coatings GmbH	01/02/2022	4294878	22703610.0	
4295165	ABB SCHWEIZ AG	16/02/2021	4295165	21713117.6	
4295263	Carl Zeiss Vision International GmbH	21/02/2022	4295263	22711180.4	
4295353	Google LLC	20/05/2021	4295353	21732715.4	
4295797	Medtronic Inc.	21/06/2023	4295797	23180702.5	
4295805	J. MORITA MFG. CORP.	22/06/2023	4295805	23180931.0	
4296014	Samsung Electronics Co., Ltd.	11/11/2021	4296014	21954343.6	
4296480	Greener Process Systems Inc.	11/07/2022	4296480	22184185.1	
4296529	Trina Solar Spain, S.L.U.	12/05/2023	4296529	23173180.3	
4296544	Kubota Corporation	24/04/2023	4296544	23169553.7	
4296551	INZICONTROLS CO., LTD.	21/06/2022	4296551	22180263.0	
4297232	Huawei Digital Power Technologies Co., Ltd.	26/02/2021	4297232	21927275.4	
4297467	CHINA MOBILE COMMUNICATION CO., LTD. RESEARCH INSTITUTE CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.	21/03/2022	4297467	22774194.9	
4297671	Anaconda BioMed, SL	23/02/2022	4297671	22712296.7	
4299106	The Regents of The University of California	24/01/2018	4299106	23203890.1	
4299154	SKAN AG	29/06/2023	4299154	23182394.9	German
4299201	BEUMER Group A/S	01/07/2022	4299201	22182558.1	
4299261	Kabushiki Kaisha Yaskawa Denki	26/02/2021	4299261	21927905.6	
4299384	Cooper Standard GmbH	29/06/2022	4299384	22181762.0	
4299857	Sany Automobile Manufacturing Co., Ltd.	29/06/2021	4299857	21938731.3	
4299930	Knapp GmbH	01/07/2022	4299930	22182514.4	German
4299934	CNH Industrial Italia S.p.A.	23/06/2023	4299934	23181296.7	
4300898	Pfeiffer Vacuum Technology AG	08/11/2023	4300898	23208642.1	German
4301468	Eli Lilly and Company	03/03/2022	4301468	22712686.9	
4301659	Eaton Intelligent Power Limited	04/03/2022	4301659	22710487.4	
4301770	Eli Lilly and Company	02/03/2022	4301770	22714958.0	
4302737	Edelweiss Basics GmbH & Co. KG	07/07/2022	4302737	22183621.6	German
4302884	Deutsche Post AG	30/06/2023	4302884	23182590.2	German
4303046	Carrier Corporation	30/06/2023	4303046	23182733.8	
4303575	Mettler-Toledo, LLC	08/07/2022	4303575	22183742.0	
4303796	Microsoft Technology Licensing, LLC	25/03/2020	4303796	23211529.5	
4304303	Tridonic GmbH & Co. KG	06/07/2022	4304303	22183228.0	
4304908	Stoneridge, Inc.	08/03/2022	4304908	22713144.8	
4305286	Stellantis Auto SAS	03/03/2022	4305286	22711280.2	French
	Bühler Motor GmbH				
4305531	Oracle International Corporation	17/12/2021	4305531	21844850.4	
4305561	Google LLC	26/04/2022	4305561	22724291.4	
4306181	HUTCHINSON	11/07/2023	4306181	23184572.8	French
4306296	SICA S.P.A.	06/07/2023	4306296	23183943.2	
4306418	The Boeing Company	13/07/2023	4306418	23185321.9	
4306421	ROSEMOUNT AEROSPACE INC.	13/07/2023	4306421	23185387.0	
4306432	Airbus Operations GmbH	15/07/2022	4306432	22185218.9	
4306582	JSP Corporation	11/03/2022	4306582	22767270.6	

4306717	Joseph Vögele AG	14/07/2022	4306717	22184913.6	German
4306739	China Building Materials Academy	25/11/2022	4306739	22902498.9	
4306869	Kermi GmbH	12/07/2023	4306869	23184910.0	German
4307062	Asahi Kasei Kabushiki Kaisha	04/03/2022	4307062	22767039.5	
4307877	Yara International ASA	14/03/2022	4307877	22714192.6	
4307901	Agro Innovation International	17/03/2022	4307901	22714902.8	French
4308390	Stellantis Auto SAS	08/02/2022	4308390	22707483.8	French
4308849	Snap Inc.	16/03/2022	4308849	22716171.8	
4309201	Eaton Intelligent Power Limited	17/03/2022	4309201	22713511.8	
4309774	Heraeus Medical GmbH	19/07/2022	4309774	22185605.7	German
4309988	Bafang Electric (Suzhou) Co., Ltd.	28/09/2021	4309988	21937603.5	
4310000	AIRBUS HELICOPTERS DEUTSCHLAND GmbH	19/07/2022	4310000	22400006.7	
4310211	Chinalco Materials Application Research Institution Co., Ltd. Chinalco Advanced Manufacturing Co., Ltd.	19/07/2023	4310211	23186541.1	
4310454	Veoneer Sweden Safety Systems AB	21/07/2022	4310454	22186145.3	
4310896	Nexperia B.V.	22/07/2022	4310896	23158762.7	
4311250	Aptiv Technologies AG	05/07/2023	4311250	23183744.4	
4311434	Op Vendee	26/07/2023	4311434	23187929.7	French
4311525	Aesculap AG	07/07/2023	4311525	23184058.8	German
4311668	NIKE Innovate C.V.	19/03/2021	4311668	23215147.2	
4311766	Airbus Operations GmbH	29/07/2022	4311766	22187881.2	
4311780	Airbus Operations SAS Airbus Operations GmbH	18/07/2023	4311780	23186176.6	French
4311788	Harro Höfliger Verpackungsmaschinen GmbH	25/07/2022	4311788	22186783.1	German
4311854	Perini & Scanu S.r.l.	26/07/2023	4311854	23020355.6	
4311871	Rolls-Royce plc	04/07/2023	4311871	23183215.5	
4311878	Wacker Neuson America Corporation	25/07/2023	4311878	23187612.9	
4311958	Fluiten Italia S.p.A.	18/07/2023	4311958	23186048.7	
4312331	Huawei Digital Power Technologies Co., Ltd.	24/07/2023	4312331	23187392.8	
4312415	Honeywell International Inc.	14/07/2023	4312415	23185500.8	
4312857	Moon Surgical SAS	30/03/2022	4312857	22713758.5	
4313026	scPharmaceuticals Inc.	01/04/2022	4313026	22721524.1	
4313039	Molecular Research Pharmact S.r.l.	30/03/2022	4313039	22717008.1	
4313540	Rommelag Engineering GmbH	01/06/2022	4313540	22729438.6	German
4313761	Interactive Fully Electrical Vehicles S.r.l.	03/03/2022	4313761	22707522.3	
4314563	VALEO SYSTEMES THERMIQUES	22/03/2022	4314563	22717576.7	French
4314599	Poclain Hydraulics Industrie	01/03/2022	4314599	22711272.9	French
4315494	Hefei Gotion High-Tech Power Energy Co., Ltd.	07/07/2021	4315494	21948770.9	
4315891	Landis+Gyr Technology, Inc.	29/03/2022	4315891	22720110.0	
4316283	Shenzhen First Union Technology Co., Ltd.	01/04/2022	4316283	22779146.4	
4316460	Unifarco S.p.A.	03/08/2023	4316460	23189449.4	
4316620	Futaba Corporation	28/07/2023	4316620	23188380.2	
4316691	Engitec Technologies, S.p.A.	13/01/2021	4316691	23208638.9	
4316745	Hilti Aktiengesellschaft	26/10/2022	4316745	22203860.6	German
4316750	Hilti Aktiengesellschaft	26/10/2022	4316750	22203851.5	German
4316917	Seat, S.A.	31/07/2023	4316917	23188729.0	
4317116	Sika Technology AG	28/05/2020	4317116	23210032.1	German
4317588	Wirtgen GmbH	26/07/2023	4317588	23187834.9	German
4317618	Sumitomo Construction Machinery Co., Ltd.	23/03/2022	4317618	22780358.2	
4317733	ArvinMeritor Technology, LLC	20/07/2023	4317733	23186763.1	
4317751	Bac Valves, S.A.	25/03/2021	4317751	21932805.1	
4317913	Mitsubishi Logisnext Co., Ltd.	18/04/2023	4317913	23168419.2	
4318153	Kabushiki Kaisha Yaskawa Denki	31/07/2023	4318153	23188794.4	
4318619	FUJIFILM Corporation	10/03/2022	4318619	22775173.2	
4318930	Elmos Semiconductor SE	25/03/2022	4318930	23217368.2	German

4319650	Covidien LP	04/04/2022	4319650	22716112.2	
4319792	10X Genomics, Inc.	05/04/2022	4319792	22719444.6	
4319923	GEA Process Engineering A/S	07/04/2021	4319923	21718086.8	
4321059	Orovivo AG	27/07/2023	4321059	23188260.6	German
4321438	AIRBUS OPERATIONS	28/07/2023	4321438	23188280.4	French
4321628	The Board of Trustees of the Leland Stanford Junior University	20/05/2014	4321628	23205275.3	
4321791	Keyence Corporation	12/07/2023	4321791	23184972.0	
4321809	Arçelik Anonim Sirketi	31/07/2023	4321809	23188643.3	
4322241	Contemporary Amperex Technology (Hong Kong) Limited	24/03/2023	4322241	23751243.9	
4322371	Huawei Digital Power Technologies Co., Ltd.	31/03/2022	4322371	23200392.1	
4322386	Huawei Digital Power Technologies Co., Ltd.	13/05/2021	4322386	21941346.5	
4323300	FGE Elettronica S.r.l.	17/02/2022	4323300	22706317.9	
4323629	Safran Nacelles	11/04/2022	4323629	22720479.9	French
4323721	Miele & Cie. KG	06/04/2022	4323721	22721033.3	German
4324319	Willand (Beijing) Technology Co., Ltd.	20/07/2023	4324319	23186727.6	
4324967	Rolls-Royce plc	04/07/2023	4324967	23183216.3	
4324978	LG Electronics Inc.	01/07/2021	4324978	23204130.1	
4325392	Angel Playing Cards Co., Ltd.	18/06/2019	4325392	23220548.4	
4325424	INTEL Corporation	02/03/2018	4325424	23220686.2	
4325495	Changxin Memory Technologies, Inc.	12/07/2022	4325495	22792738.1	
4325590	Samsung Electronics Co., Ltd.	18/04/2022	4325590	22791969.3	
4325662	Honor Device Co., Ltd.	26/04/2023	4325662	23800721.5	
4325697	Huawei Digital Power Technologies Co., Ltd.	31/05/2021	4325697	21943423.0	
	Nanjing University Of Science And Technology				
4325714	mitsubishi electric corporation	16/04/2021	4325714	21936990.7	
4326827	Kao Corporation	22/04/2021	4326827	21938099.5	
4327123	Lightcode Photonics OÜ	21/04/2022	4327123	22726804.2	
4327172	Continental Automotive Technologies GmbH	16/03/2022	4327172	22714766.7	German
4328037	RISO Technologies Corporation	07/07/2023	4328037	23184097.6	
4328092	Indian Motorcycle International, LLC	27/01/2021	4328092	23219549.5	
4328124	Specialized Bicycle Components, Inc.	25/08/2023	4328124	23193472.0	
4328739	nChain Licensing AG	05/07/2018	4328739	23213682.0	
4328756	Samsung Electronics Co., Ltd.	21/08/2023	4328756	23192404.4	
4328912	Changxin Memory Technologies, Inc.	08/07/2022	4328912	22854456.5	
4328957	Changxin Memory Technologies, Inc.	13/07/2022	4328957	22940968.5	
4328969	Changxin Memory Technologies, Inc.	14/07/2022	4328969	22836032.7	
4329846	W.O.M. World of Medicine GmbH	02/05/2022	4329846	22732635.2	German
4329956	SMS group GmbH	24/03/2022	4329956	22718868.7	German
4330662	GE Healthcare Limited	26/04/2022	4330662	22725757.3	
4330960	Microsoft Technology Licensing, LLC	07/04/2022	4330960	22719453.7	
4331156	Nokia Technologies Oy	11/02/2022	4331156	22709244.2	
4331522	Intuitive Surgical Operations, Inc.	10/06/2016	4331522	24152936.1	
4332016	Husky Injection Molding Systems Ltd.	23/04/2020	4332016	24151979.2	
4332412	Suzuki Motor Corporation	23/08/2023	4332412	23193053.8	
4332643	Optotune Switzerland AG	14/07/2023	4332643	23185441.5	
4332861	Federal Express Corporation	11/09/2019	4332861	23186114.7	
4333550	QUALCOMM Incorporated	27/09/2019	4333550	23209685.9	
4333710	Koninklijke Philips N.V.	02/05/2022	4333710	22724795.4	

4333922	Conservatoire National des Arts et des Métiers Université Paris Nord Institut national de la santé et de la recherche médicale (INSERM) Commissariat à l'Energie Atomique et aux Energies Alternatives Chu De Limoges Université Paris Cité Centre National de la Recherche Scientifique Université de Limoges	04/05/2022	4333922	22730669.3	
4334675	Microsoft Technology Licensing, LLC	25/02/2022	4334675	22711723.1	
4334833	Microsoft Technology Licensing, LLC	06/04/2022	4334833	22719151.7	
4335661	Sumitomo Rubber Industries, Ltd.	25/07/2023	4335661	23187420.7	
4335728	Meidensha Corporation	02/03/2022	4335728	22798820.1	
4335945	Suzhou Taone Sincere Nanomaterial Technology Co., Ltd.	12/10/2021	4335945	21949050.5	
4336175	Asociacion Centro Tecnológico Ceit	17/05/2021	4336175	21940635.2	
4336551	Hitachi Energy Ltd	09/09/2022	4336551	22194844.1	
4337084	Stryker European Operations Limited	16/05/2022	4337084	22726820.8	
4337857	Itrec B.V.	03/05/2022	4337857	22730063.9	
4337905	Robert Bosch GmbH	20/04/2022	4337905	22724008.2	German
4338751	Santen Pharmaceutical Co., Ltd.	20/12/2018	4338751	24153812.3	
4339153	LG Electronics Inc.	01/07/2016	4339153	24155309.8	
4339268	The Procter & Gamble Company	15/09/2023	4339268	23197794.3	
4339269	The Procter & Gamble Company	15/09/2023	4339269	23197795.0	
4339270	The Procter & Gamble Company	15/09/2023	4339270	23197797.6	
4339271	The Procter & Gamble Company	15/09/2023	4339271	23197798.4	
4339342	Chamatex	07/07/2023	4339342	23184298.0	French
4339376	BAUER Offshore Technologies GmbH	16/09/2022	4339376	22196156.8	German
4339434	Hamilton Sundstrand Corporation	11/09/2023	4339434	23196532.8	
4339465	LG Electronics Inc.	07/07/2023	4339465	23184085.1	
4340622	SOREMARTEC S.A.	16/05/2022	4340622	22728673.9	
4340833	Centre National de la Recherche Scientifique (CNRS) Université de Montpellier	23/05/2022	4340833	22732293.0	French
4340924	EsoCap AG	20/05/2022	4340924	22727947.8	
4340966	Universal City Studios LLC	11/05/2022	4340966	22726956.0	
4341557	Precision Planting LLC	11/05/2022	4341557	22725554.4	
4341558	Precision Planting LLC	11/05/2022	4341558	22725555.1	
4342532	Shanghai Curegene Pharmaceutical Co., Ltd.	28/07/2021	4342532	24156405.3	
4342708	ArvinMeritor Technology, LLC	25/07/2023	4342708	23187505.5	
4342776	Yamaha Hatsudoki Kabushiki Kaisha	27/07/2023	4342776	23188078.2	
4342803	Northrop Grumman Systems Corporation	12/02/2018	4342803	24157080.3	
4342957	DAIKIN INDUSTRIES, LTD.	21/06/2022	4342957	22828433.7	
4343260	Siemens Aktiengesellschaft	01/12/2021	4343260	24156514.2	German
4344047	Fioravanti, Leonardo	21/09/2023	4344047	23198831.2	
4344276	ARKRAY, Inc.	21/09/2023	4344276	23198726.4	
4344355	CRM ICBG (WUXI) CO., LTD.	29/07/2022	4344355	22855262.6	
4344397	Blutspendedienst der Landesverbände des Deutschen Roten Kreuzes Niedersachsen, Sachsen-Anhalt, Thüringen, Oldenburg und Bremen g.G.m.b.H. Blutspendedienst des Bayerischen Roten Kreuzes, gemeinnützige Gesellschaft mit beschränkter Haftung	22/07/2022	4344397	22748250.2	German
4344884	Seiko Epson Corporation	28/09/2023	4344884	23200575.1	
4345407	LG Electronics Inc.	26/09/2023	4345407	23199837.8	
4345532	Metrex Research LLC	27/09/2023	4345532	23199927.7	
4345583	Qingdao Pico Technology Co., Ltd	17/03/2022	4345583	22854891.3	

4345862	FEI Company	26/09/2023	4345862	23199765.1	
4345891	STMicroelectronics, Inc.	19/09/2023	4345891	23198385.9	
4346470	Gelmart Industries, Inc.	13/07/2021	4346470	21943294.5	
4347009	Deleo	03/06/2022	4347009	22730932.5	French
4347362	Stellantis Auto SAS	03/05/2022	4347362	22727963.5	French
4347399	Safran Seats	20/05/2022	4347399	22729715.7	French
4347400	Safran Seats	20/05/2022	4347400	22730196.7	French
4347401	SAFRAN AIRCRAFT ENGINES	17/05/2022	4347401	22730959.8	French
4347911	Vactronix Scientific, LLC	24/05/2022	4347911	22738096.1	
4348125	Ademco Inc.	12/05/2022	4348125	22727635.9	
4348193	Hottinger Brüel & Kjaer GmbH	07/04/2022	4348193	22721267.7	German
4349047	Signify Holding B.V.	30/05/2022	4349047	22734138.5	
4349050	Signify Holding B.V.	20/05/2022	4349050	22732014.0	
4349275	CONMED Corporation	29/08/2018	4349275	24160024.6	
4349438	Katerly Industrial Co. Ltd.	25/07/2023	4349438	23187698.8	
4349656	NOVARES France	27/09/2023	4349656	23200230.3	French
4349744	LG Energy Solution, Ltd.	07/02/2023	4349744	23753100.9	
4351200	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	02/06/2021	4351200	21943520.3	
4352653	Google LLC	06/09/2022	4352653	22782617.9	
4352663	Google LLC	15/07/2022	4352663	22879577.9	
4352922	Koninklijke KPN N.V.	08/06/2022	4352922	22735089.9	
	Nederlandse Organisatie voor toegepast-natuurwetenschappelijk Onderzoek TNO				
4353979	Fong Prean Industrial Co., Ltd.	12/10/2022	4353979	22201171.0	
4354797	ITRON, INC.	15/09/2023	4354797	23197776.0	
4355047	INTEL Corporation	01/03/2022	4355047	24157172.8	
4355417	Siemens Healthineers International AG	09/06/2022	4355417	22733371.3	
4355847	Unilever Global IP Limited	01/06/2022	4355847	22731591.8	
4357042	Häusler Holding AG	17/10/2023	4357042	23203982.6	German
4357251	Gereedschappenfabriek Van den Brink B.V.	05/10/2023	4357251	23201923.2	
4357273	Intelligrated Headquarters, LLC	07/07/2021	4357273	24161801.6	
4357615	LM Wind Power A/S	18/10/2022	4357615	22202200.6	
4357727	Schröder Maschinenbau GmbH	18/09/2023	4357727	23197855.2	German
4358029	INTEL Corporation	15/10/2019	4358029	24161684.6	
4358488	Mavenir Systems, Inc.	17/10/2023	4358488	23203993.3	
4360437	CNH Industrial America LLC	24/10/2023	4360437	23205434.6	
4360502	SCILM S.p.A.	12/07/2023	4360502	23185081.9	
4360516	BSH Hausgeräte GmbH	18/10/2023	4360516	23204464.4	German
4360945	Volvo Penta Corporation	04/02/2020	4360945	24156458.2	
4361412	VOLVO TRUCK CORPORATION	27/10/2022	4361412	22204000.8	
4361534	Daikin Industries, Ltd.	31/05/2022	4361534	22849023.1	
4362167	Huawei Digital Power Technologies Co., Ltd.	23/10/2023	4362167	23205153.2	
4362652	Commissariat à l'Energie Atomique et aux Energies Alternatives	24/10/2023	4362652	23205389.2	French
4362859	Fondazione Istituto Italiano di Tecnologia I.N.A.I.L. Istituto Nazionale per l'Assicurazione Contro gli Infortuni sul Lavoro	01/07/2022	4362859	22743588.0	
4363052	Varian Medical Systems, Inc.	27/06/2022	4363052	22740344.1	
4363689	Energy Transition Technologies B.V.	04/07/2022	4363689	22735649.0	
4364375	Telefonaktiebolaget LM Ericsson (publ)	01/07/2021	4364375	21740463.1	
4364715	Bullfrog International, LC	01/11/2023	4364715	23207317.1	
4364997	FERRARI S.p.A.	25/10/2023	4364997	23205849.5	
4365305	10X Genomics, Inc.	18/12/2020	4365305	24151623.6	
4365549	Embark Trucks Inc.	21/09/2023	4365549	23198795.9	
4365834	Samsung Electronics Co., Ltd.	13/07/2023	4365834	23185245.0	
4366559	Philip Morris Products S.A.	07/07/2022	4366559	22740894.5	
4366706	ROQUETTE FRERES	07/07/2022	4366706	22747661.1	
4366802	APTAR France SAS	04/07/2022	4366802	22750861.1	French
4366887	Gema Switzerland GmbH	06/07/2022	4366887	22740869.7	German

4366941	Pirelli Tyre S.P.A.	01/07/2022	4366941	22772568.6	German
4367010	Nicolai, Karlheinz	04/07/2022	4367010	22755077.9	
4367103	Helmholtz-Zentrum für Infektionsforschung GmbH	07/07/2022	4367103	22744729.9	
	Lead Discovery Center GmbH				
4367278	SAFRAN	05/07/2022	4367278	22754898.9	French
4367331	Topcon Positioning Systems, Inc.	05/07/2022	4367331	22753943.4	
4367343	BLACE INTERNATIONAL B.V.	07/07/2022	4367343	22737668.8	
4367369	Safran Helicopter Engines	07/07/2022	4367369	22750866.0	French
4367619	Ava Labs, Inc.	07/07/2022	4367619	22838379.0	
4367765	PHOENIX CONTACT GMBH & CO. KG	03/07/2022	4367765	22747288.3	
4367791	Institut Photovoltaïque D'Ile de France (IPVF)	06/07/2022	4367791	22747987.0	French
	Electricité de France				
	Centre National de la Recherche Scientifique (CNRS)				
	Ecole Polytechnique				
	TotalEnergies OneTech				
4367861	Cisco Technology, Inc.	07/07/2022	4367861	22761653.9	German
4368034	Le Groupe Solid Packaging Robotik Inc.	08/11/2023	4368034	23208654.6	
4368366	Harro Höfliger Verpackungsmaschinen GmbH	10/11/2022	4368366	22206800.9	
4368496	Airbus Operations GmbH	08/11/2022	4368496	22206123.6	
4368795	Aquilani, Enrico	13/11/2023	4368795	23209378.1	
4368810	PRATT & WHITNEY CANADA CORP.	13/11/2023	4368810	23209535.6	
4368861	Zhejiang Dunan Artificial Environment Co., Ltd.	07/07/2022	4368861	22837007.8	
4369107	Zhuhai Pantum Electronics Co., Ltd.	13/11/2023	4369107	23209289.0	
4369144	Getac Technology Corporation	13/03/2023	4369144	23161554.3	
4369721	Samsung Electronics Co., Ltd.	23/11/2022	4369721	22899021.4	
4369922	Scale Aquaculture AS	12/07/2022	4369922	22755317.9	
4369951	Philip Morris Products S.A.	14/07/2022	4369951	22737512.8	
4369952	Philip Morris Products S.A.	14/07/2022	4369952	22737514.4	
4369962	Philip Morris Products, S.A.	12/07/2022	4369962	22736305.8	
4369963	Philip Morris Products, S.A.	12/07/2022	4369963	22736306.6	
4369964	Philip Morris Products, S.A.	12/07/2022	4369964	22736307.4	
4370082	Fairacre Support Ltd	04/07/2022	4370082	22741559.3	
4370279	Be.Ta+ Bien Etre Et Technologies	08/07/2022	4370279	22747674.4	
	Avancees Produit Et Logiciel Dans Un Systeme				
4370379	Indes Holding B.V.	14/07/2022	4370379	22744324.9	French
4370424	PYROALLIANCE	11/07/2022	4370424	22755254.4	
4370429	Novacart S.P.A.	18/07/2022	4370429	22747449.1	
4370470	Topsoe A/S	06/07/2022	4370470	22744717.4	
4370487	Yara UK Limited	12/07/2022	4370487	22747107.5	
4370595	Universiteit Antwerpen	13/07/2022	4370595	22748046.4	
4370791	Itrec B.V.	08/07/2022	4370791	22736302.5	German
4370806	Endress+Hauser Flowtec AG	04/07/2022	4370806	22738661.2	
4370860	Elbit Security Systems Ltd	12/05/2022	4370860	22841605.3	
4370931	Fondazione Istituto Italiano di Tecnologia	12/07/2022	4370931	22748346.8	German
	Fondazione Santa Lucia				
4370965	TRUMPF Laser SE	06/07/2022	4370965	22740868.9	
	Trumpf Photonics, Inc.				
4371107	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	14/07/2022	4371107	22751702.6	
4371250	University of the Aegean	14/07/2022	4371250	22751704.2	
	Universiteit Gent				
	Imec VZW				
4371636	Team Services S.r.l.	15/11/2023	4371636	23000160.4	German
4371666	Protodyne Corporation	02/07/2010	4371666	24167492.8	
4371705	WEZAG GmbH & Co. KG	15/11/2022	4371705	22207537.6	
4371754	Tetra Laval Holdings & Finance S.A.	20/07/2023	4371754	23186788.8	

4371755	Tetra Laval Holdings & Finance S.A.	20/07/2023	4371755	23186791.2	
4371892	THALES	07/11/2023	4371892	23208151.3	French
4372068	Consorzio per la Ricerca e la Dimostrazione sulle Energie Rinnovabili	14/11/2023	4372068	23209860.8	
4372248	Kubota Corporation	17/11/2023	4372248	23210538.7	
4372274	E.G.O. Elektro-Gerätebau GmbH	25/10/2023	4372274	23205913.9	German
4372304	MITSUBISHI ELECTRIC CORPORATION	12/07/2021	4372304	21950054.3	
4372452	CREAL SA	16/11/2023	4372452	23210393.7	
4372742	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	07/07/2011	4372742	24167822.6	
4373323	JT International S.A.	19/07/2022	4373323	22743504.7	
4373349	Hilti Aktiengesellschaft	18/07/2022	4373349	22743497.4	German
4373352	Julius Blum GmbH	15/07/2022	4373352	22747244.6	German
4373363	LELIT S.R.L.	06/07/2022	4373363	22747754.4	
4373368	Essity Hygiene and Health Aktiebolag	19/07/2021	4373368	21745349.7	
4373444	Hyperice IP SubCo, LLC	25/07/2022	4373444	22757416.7	
4373583	Unilever Global IP Limited	18/07/2022	4373583	22750840.5	
4373597	Universal City Studios LLC	21/07/2022	4373597	22753903.8	
4373662	HUECK Rheinische GmbH	25/10/2022	4373662	22809098.1	German
4373674	Eastman Kodak Company	11/07/2022	4373674	22748663.6	
4373679	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	11/07/2022	4373679	22755253.6	French
4373717	Robopac S.p.A.	21/07/2022	4373717	22754520.9	
4373888	Carbiolice	20/07/2022	4373888	22751397.5	French
4373903	TotalEnergies OneTech	12/07/2022	4373903	22754467.3	French
4374048	SAFRAN AIRCRAFT ENGINES	20/07/2022	4374048	22753727.1	French
4374144	Endress+Hauser Flowtec AG	04/07/2022	4374144	22738662.0	German
4374213	META PLATFORMS TECHNOLOGIES, LLC	19/07/2022	4374213	22751956.8	
4374383	Intelligent Training Group APS	15/07/2022	4374383	22751068.2	
4374482	KSB SE & Co. KGaA	20/07/2022	4374482	22754829.4	German
4374804	ATRICURE, INC.	09/07/2019	4374804	24161828.9	
4374929	University of Southern California	16/12/2011	4374929	24156110.9	
4375046	KHS GmbH	31/10/2023	4375046	23207107.6	German
4375055	KAWASAKI JUKOGYO KABUSHIKI KAISHA	19/12/2022	4375055	22915798.7	
4375632	University of Rhode Island Board of Trustees RTX Corporation	22/11/2023	4375632	23211582.4	
4375791	Samsung Electronics Co., Ltd.	21/07/2022	4375791	22861558.9	
4375950	Google LLC	22/11/2023	4375950	23211430.6	
4376236	Brolis Sensor Technology, UAB	31/01/2019	4376236	24168959.5	
4376738	CircumFix Solutions, Inc.	27/07/2022	4376738	22757426.6	
4376993	Purifire Labs Limited	27/07/2022	4376993	22750883.5	
4377059	Victrex Manufacturing Limited	26/07/2022	4377059	22754140.6	
4377066	Ricoh Company, Ltd.	19/07/2022	4377066	22751449.4	
4377120	Mercedes-Benz Group AG	15/07/2022	4377120	22744750.5	German
4377195	Nederlandse Organisatie voor toegepast-natuurwetenschappelijk Onderzoek TNO	29/07/2022	4377195	22747067.1	
4377203	Safran Helicopter Engines	18/07/2022	4377203	22743501.3	French
4377261	CASALE SA	09/06/2022	4377261	22733374.7	
4377365	Flint Group, LLC	26/07/2022	4377365	22754529.0	
4377588	Karlsruher Institut für Technologie	05/07/2022	4377588	22740383.9	German
4377651	Commissariat à l'Energie Atomique et aux Energies Alternatives	26/07/2022	4377651	22747355.0	French
4377692	TotalEnergies OneTech Centre National de la Recherche Scientifique (CNRS) UNIVERSITE DE PAU ET DES PAYS DE L'ADOUR	28/07/2021	4377692	21777360.5	
4377730	Phix B.V.	28/07/2022	4377730	22748492.0	

4377813	Google LLC	14/07/2023	4377813	23751455.9	
4377952	Safran Nacelles	22/07/2022	4377952	22754491.3	French
4378678	Benecke-Kaliko AG	07/11/2023	4378678	23208397.2	German
4378999	LG Chem, Ltd.	24/07/2023	4378999	23843972.3	
4379243	SMC Corporation	12/12/2018	4379243	24170192.9	
4379510	LG Display Co., Ltd.	18/10/2023	4379510	23204383.6	
4380810	Horse Powertrain Solutions, S.L.U.	25/07/2022	4380810	22744781.0	French
4380818	Bayerische Motoren Werke Aktiengesellschaft	26/07/2022	4380818	22757555.2	German
4380861	SAFRAN Safran Landing Systems	22/07/2022	4380861	22754492.1	French
4380880	SYSTEM LOGISTICS S.P.A.	01/08/2022	4380880	22754181.0	
4380886	PELLICONI & C. S.P.A.	28/07/2022	4380886	22751167.2	
4381233	Truma Gerätetechnik GmbH & Co. KG	28/07/2022	4381233	22757570.1	German
4381255	Endress+Hauser SE+Co. KG	25/07/2022	4381255	22751105.2	German
4381532	Hitachi Energy Ltd	05/07/2022	4381532	22747952.4	
4381544	Pixel Photonics GmbH	28/07/2022	4381544	22757953.9	German
4381812	Telefonaktiebolaget LM Ericsson (publ)	06/07/2022	4381812	22743611.0	
4382045	BEIJING HUASHENSHENGDIAN MEDTECH CO LTD.	02/08/2022	4382045	22852180.3	
4382273	The Boeing Company	30/11/2023	4382273	23213282.9	
4382278	"TES" Spolka z Ograniczona Odpowiedzialnoscia	06/12/2022	4382278	22460065.0	
4382304	Canon Production Printing Holding B.V.	05/12/2022	4382304	22211355.7	
4382587	Indian Oil Corporation Limited	04/12/2023	4382587	23213944.4	
4382736	Orlen Spolka Akcyjna Horus-Energia Spolka z ograniczona odpowiedzialnoscia	05/12/2023	4382736	23214234.9	
4382818	Ariston S.p.A.	28/11/2023	4382818	23212531.0	
4383568	MEDIATEK INC.	22/11/2023	4383568	23211547.7	
4383769	Samsung Electronics Co., Ltd.	24/10/2022	4383769	22887533.2	
4384016	Bayer Aktiengesellschaft	11/08/2022	4384016	22764725.2	
4384314	POLYNT S.P.A.	05/07/2022	4384314	22741256.6	
4384329	Körber Supply Chain Logistics GmbH	25/07/2022	4384329	22758149.3	German
4384345	Alpha Laser GmbH TOX PRESSOTECHNIK GmbH & Co. KG	20/07/2022	4384345	22758147.7	German
4384352	Festool GmbH	12/08/2022	4384352	22764764.1	German
4384355	Festool GmbH	12/08/2022	4384355	22764767.4	German
4384356	Festool GmbH	12/08/2022	4384356	22764768.2	German
4384357	Festool GmbH	12/08/2022	4384357	22764769.0	German
4384377	Cogit Composites	25/07/2022	4384377	22755264.3	French
4384422	MAN Truck & Bus SE	27/07/2022	4384422	22758170.9	German
4384704	Siemens Gamesa Renewable Energy A/S	21/09/2022	4384704	22793410.6	
4384718	Gottlieb Binder GmbH & Co. KG	20/07/2022	4384718	22757216.1	German
4384839	Analytik Jena GmbH+Co. KG	22/07/2022	4384839	22757508.1	German
4384929	Google LLC	12/12/2022	4384929	22851109.3	
4385134	Huawei Technologies Co. Ltd.	27/09/2021	4385134	21785801.8	
4385354	M Östberg Design and Development AB	16/12/2022	4385354	22214096.4	
4385430	Karl Storz SE & Co. KG	15/12/2023	4385430	23217016.7	German
4385509	Amicus Therapeutics, Inc.	31/05/2023	4385509	23176366.5	
4385841	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	16/12/2022	4385841	22214250.7	
4386089	Fundacion Instituto De Investigacion Sanitaria Fundacion Jimenez Diaz	14/12/2022	4386089	22383213.0	
4386171	BHG	07/12/2023	4386171	23215046.6	French
4386342	Sumitomo Riko Company Limited	25/01/2023	4386342	23746983.8	
4386383	Withings	12/12/2022	4386383	22315324.8	
4386704	Subaru Corporation	08/12/2023	4386704	23215274.4	
4386741	Commissariat à l'Energie Atomique et aux Energies Alternatives	08/12/2023	4386741	23215142.3	French
4387014	Commissariat à l'Energie Atomique et aux Energies Alternatives	12/12/2023	4387014	23215979.8	French

4387259	Prophesee	13/12/2022	4387259	22306864.4	
4387392	Whirlpool Corporation	14/12/2022	4387392	22213623.6	
4387431	GlobalFoundries Singapore Pte. Ltd.	10/10/2023	4387431	23202609.6	
4388206	Böllhoff Verbindungstechnik GmbH	29/06/2022	4388206	22737890.8	German
4388490	Alcon Inc.	03/08/2022	4388490	22768467.7	
4388625	LITHIUM LASERS S.R.L.	29/07/2022	4388625	22773777.2	
4389252	Donaldson Company, Inc.	14/12/2023	4389252	23216868.2	
4389885	Danisco US Inc.	03/06/2013	4389885	24154279.4	
4390188	Flowserve Pte. Ltd.	09/11/2023	4390188	23208739.5	
4390289	Manenti, Giovanni	29/09/2023	4390289	23020452.1	
4390294	Manenti, Giovanni	29/09/2023	4390294	23020450.5	
4391282	LG Energy Solution, Ltd.	27/09/2022	4391282	22887376.6	
4391351	Somfy Activites SA	11/12/2023	4391351	23215415.3	French
4391378	Commissariat à l'Energie Atomique et aux Energies Alternatives	20/12/2023	4391378	23218543.9	French
4391514	Hangzhou Hikvision Digital Technology Co., Ltd.	18/05/2022	4391514	22899806.8	
4391622	Rakuten Group, Inc.	06/07/2022	4391622	22950218.2	
4392141	Henkel AG & Co. KGaA	12/07/2022	4392141	22751296.9	German
4392150	Movemate Innovations, Inc.	04/08/2022	4392150	22860693.5	
4392295	Nissan Motor Co. Ltd	21/07/2022	4392295	22744488.2	French
4392956	Safehinge Primera Limited	22/08/2022	4392956	22768905.6	
4393561	Novacorp Inc.	20/11/2023	4393561	23210866.2	
4393741	Aph ePower Co., Ltd.	05/07/2023	4393741	23183478.9	
4393846	STILL GmbH	15/11/2023	4393846	23210092.5	German
4394249	Kanadevia Inova AG	01/07/2020	4394249	24175693.1	German
4394723	Mashang Consumer Finance Co., Ltd.	26/06/2023	4394723	23842015.2	
4395269	SCHNEIDER ELECTRIC INDUSTRIES SAS	28/12/2022	4395269	22307058.2	
4395904	Supercell Oy	11/07/2022	4395904	22748056.3	
4396015	VALEO SYSTEMES THERMIQUES	23/08/2022	4396015	22768787.8	French
4396183	Bayer Aktiengesellschaft	29/08/2022	4396183	22769666.3	
4396266	Elkem Silicones France SAS	30/08/2022	4396266	22785760.4	French
	CPE Lyon				
	Centre National de la Recherche Scientifique				
	Université Claude Bernard Lyon 1				
4397292	ZOLL Medical Corporation	11/09/2006	4397292	24176041.2	
4397404	PuWe GmbH	28/07/2023	4397404	24178451.1	German
4397554	Chongqing Changan Automobile Co., Ltd.	30/11/2023	4397554	23213250.6	
4397555	Chongqing Changan Automobile Co., Ltd.	30/11/2023	4397555	23213263.9	
4397716	MITSUBISHI GAS CHEMICAL COMPANY, INC.	15/06/2022	4397716	22863996.9	
4397837	L3NZ Technology UG (haftungsbeschränkt)	03/01/2024	4397837	24150147.7	German
4398246	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	07/07/2011	4398246	24167819.2	
4398259	Industry-Academic Cooperation Foundation, Yonsei University	02/01/2024	4398259	24150080.0	
4398295	Huawei Technologies Co. Ltd.	19/11/2021	4398295	21964438.2	
4398715	Praxair Technology, Inc.	19/07/2022	4398715	22753881.6	
4398772	Eugster/Frismag AG	28/06/2022	4398772	22738459.1	German
4399048	EVG Entwicklungs- und Verwertungsgesellschaft m.b.H.	09/09/2022	4399048	22786837.9	German
4400136	Fisher & Paykel Healthcare Limited	17/04/2013	4400136	24166237.8	
4400312	Uteco Converting S.p.A.	10/01/2024	4400312	24151170.8	
4400392	BRIDGESTONE CORPORATION	21/07/2020	4400392	24178641.7	
4400427	Goodrich Lighting Systems GmbH & Co. KG	10/01/2023	4400427	23151033.0	
4400786	Thermo King LLC	22/02/2023	4400786	23158026.7	
4400849	LEM International SA	15/07/2022	4400849	24172077.0	
4401081	Ancestry.com DNA, LLC	23/07/2020	4401081	24175027.2	

4401392	Samsung Electronics Co., Ltd.	20/09/2017	4401392	24179072.4	German
4401653	El-Khatib, Walid	16/09/2022	4401653	22786791.8	
4401743	Professional Derma SA	15/09/2022	4401743	22789675.0	
4401962	Alcon Inc.	12/09/2022	4401962	22772607.2	
4401963	Alcon Inc.	12/09/2022	4401963	22772608.0	
4401964	Alcon Inc.	12/09/2022	4401964	22782997.5	German
4401965	Alcon Inc.	12/09/2022	4401965	22782999.1	
4401966	Alcon Inc.	12/09/2022	4401966	22790359.8	
4402431	Univerzita Palackého v Olomouci	16/09/2021	4402431	21957394.6	
4402517	Iradimed Corporation	13/09/2022	4402517	22783264.9	
4402549	Mercedes-Benz Group AG	21/07/2022	4402549	22755136.3	French
4402755	Commissariat à l'Energie Atomique et aux Energies Alternatives	14/09/2022	4402755	22772538.9	
4402886	Google LLC	29/10/2021	4402886	21815317.9	French
4403789	Huawei Digital Power Technologies Co., Ltd.	21/12/2023	4403789	23219008.2	
4403905	LG Energy Solution, Ltd.	19/12/2022	4403905	22911821.1	French
4405376	Evonik Operations GmbH	09/09/2022	4405376	22783442.1	
4405561	Weatherford Technology Holdings, LLC	23/06/2022	4405561	22740518.0	
4405584	Siemens Gamesa Renewable Energy A/S	09/11/2022	4405584	22814064.6	
4405629	Sogefi Air & Cooling	22/09/2022	4405629	22786357.8	
4405756	Greubel Forsey S.A.	22/09/2022	4405756	22782883.7	
4406721	PLA GIKEN CO., LTD.	18/01/2024	4406721	24152618.5	
4407344	Suzuki Motor Corporation	18/12/2023	4407344	23217470.6	
4407531	Agviser AD	30/03/2023	4407531	23472001.9	
	Hristo Stoyanov Nikolov				
4407751	Xiamen Ampack Technology Limited	16/01/2024	4407751	24152045.1	German
4408145	JINKO SOLAR CO., LTD.	21/12/2022	4408145	22957622.8	
	ZHEJIANG JINKO SOLAR CO., LTD.				
4408158	CNH Industrial Belgium N.V.	29/09/2022	4408158	22797556.2	
4408208	JT International SA	01/07/2022	4408208	22736291.0	
4408603	Andritz Soutec AG	29/07/2022	4408603	22761078.9	
4408605	Andritz Soutec AG	29/07/2022	4408605	22761073.0	
4408650	Continental Reifen Deutschland GmbH	23/09/2022	4408650	22786283.6	
4408902	Dow Global Technologies LLC	30/09/2021	4408902	21810274.7	
	Rohm and Haas Company				
4409195	VENTREX Automotive GmbH	23/09/2022	4409195	22793426.2	German
4409781	Telefonaktiebolaget LM Ericsson (publ)	14/09/2022	4409781	22777739.8	
4410507	J. Schmalz GmbH	26/01/2024	4410507	24154235.6	German
4410634	Dongguan Leaoce Metal & Plastic Products Co., Ltd.	13/03/2023	4410634	23161543.6	
4410700	UAB Baltic caps	06/02/2023	4410700	23155139.1	German
4411093	Zhongshan City EOS Secure Products Co., Ltd	02/02/2023	4411093	23154783.7	
4411161	Kabushiki Kaisha F.C.C.	05/07/2023	4411161	24183731.9	German
4411166	Clipper Trading AB	02/02/2023	4411166	23154778.7	
4411219	KOITO MANUFACTURING CO., LTD.	28/09/2022	4411219	22876391.8	
4411234	PRATT & WHITNEY CANADA CORP.	26/01/2024	4411234	24154144.0	
4411247	Samsung Electronics Co., Ltd.	05/12/2022	4411247	22920802.0	
4411274	Wissner, Kirsten	05/02/2024	4411274	24155700.8	
4411780	SCHNEIDER ELECTRIC INDUSTRIES SAS	01/02/2024	4411780	24305177.8	
4412205	InterDigital CE Patent Holdings, SAS	16/07/2018	4412205	24184292.1	
4412801	Wandercraft	06/10/2022	4412801	22814479.6	
4412852	QUALCOMM INCORPORATED	03/10/2022	4412852	22801301.7	French
4413082	SHPP Global Technologies B.V.	05/10/2022	4413082	22789317.9	
4413303	Belimo Holding AG	04/10/2022	4413303	22797383.1	
4413638	Wirmec Srl	20/10/2021	4413638	21810718.3	
4413839	CNH Industrial America LLC	09/02/2024	4413839	24156818.7	
4414318	Marmon Foodservice Technologies, Inc.	07/02/2024	4414318	24156287.5	
4414459	10X Genomics, Inc.	20/05/2021	4414459	24182415.0	
4414729	Eco Stor AS	23/07/2020	4414729	24185040.3	

4415555	Alzchem Trostberg GmbH	10/10/2022	4415555	22800254.9	German
4416085	Habasit AG	11/10/2022	4416085	22801128.4	
4416124	UOP LLC	14/10/2021	4416124	21802577.3	
4416406	China Petroleum & Chemical Corporation KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	05/10/2022	4416406	22798327.7	German
4416588	International Business Machines Corporation	07/10/2022	4416588	22800238.2	
4416804	Signify Holding B.V.	10/10/2022	4416804	22800251.5	
4417272	Wilson Sporting Goods Co.	19/02/2024	4417272	24158315.2	
4417437	HID Global Ireland Teoranta	15/02/2023	4417437	23156830.4	
4417441	Sumitomo Rubber Industries, Ltd.	09/02/2024	4417441	24156722.1	
4417942	SICK AG	14/02/2024	4417942	24157493.8	German
4418056	ACD Antriebstechnik GmbH	15/12/2023	4418056	23217051.4	German
4418128	MediaTek Inc.	07/09/2023	4418128	23195935.4	
4418665	Adeia Guides Inc.	11/06/2010	4418665	24179735.6	
4419059	Scewo AG	05/10/2022	4419059	22800632.6	German
4419422	Safran Seats	19/10/2022	4419422	22803011.0	French
4419451	AUTOSTORE TECHNOLOGY AS	12/10/2022	4419451	22801137.5	
4419855	Commissariat à l'Energie Atomique et aux Energies Alternatives	12/10/2022	4419855	22801139.1	French
4420717	Airbus Defence and Space SAS Pacesetter, Inc.	31/03/2023	4420717	24186975.9	
4420748	Johnson Health Tech Retail, Inc.	26/06/2018	4420748	24188002.0	
4420959	BRIDGESTONE CORPORATION	21/07/2020	4420959	24178642.5	
4421062	Obrist Technologies GmbH	05/07/2023	4421062	23183704.8	
4421334	Goodrich Actuation Systems SAS	23/02/2023	4421334	23305239.8	
4421383	Oriental Giant Dyes & Chemical Ind. Corp.	20/06/2023	4421383	23180482.4	
4421500	TOYOTA JIDOSHA KABUSHIKI KAISHA	19/01/2024	4421500	24152967.6	
4421639	Samsung Electronics Co., Ltd.	21/02/2024	4421639	24158810.2	
4421771	Panasonic Intellectual Property Management Co., Ltd.	16/02/2024	4421771	24158055.4	
4422155	FUJIFILM Business Innovation Corp.	04/08/2023	4422155	23189675.4	
4422161	CANON KABUSHIKI KAISHA	30/01/2024	4422161	24154632.4	
4422180	LG Electronics Inc.	23/06/2020	4422180	24187933.7	
4422808	P-Laser N.V.	25/10/2022	4422808	22805885.5	
4422922	Valeo Vision	21/10/2022	4422922	22805868.1	French
4423188	Continental Reifen Deutschland GmbH	13/10/2022	4423188	22793671.3	German
4423438	Truma Gerätetechnik GmbH & Co. KG	28/10/2022	4423438	22814285.7	German
4423471	Endress+Hauser SE+Co. KG	22/09/2022	4423471	22797028.2	German
4423784	Siemens Aktiengesellschaft	03/11/2022	4423784	22812617.3	German
4424843	10X Genomics, Inc.	22/12/2020	4424843	24169592.3	
4425038	GAZTRANSPORT ET TECHNIGAZ	28/02/2024	4425038	24160151.7	French
4425482	BIGO TECHNOLOGY PTE. LTD.	20/12/2022	4425482	22909972.6	
4425524	Samsung SDI Co., Ltd.	26/10/2023	4425524	23206216.6	
4425717	Honor Device Co., Ltd.	11/11/2020	4425717	24164750.2	
4425925	Nokia Technologies Oy	06/01/2012	4425925	24189121.7	
4426242	Salts Healthcare Limited	04/11/2022	4426242	22803048.2	
4427154	Cyber Grant Inc.	30/09/2022	4427154	22797485.4	
4427369	QUALCOMM INCORPORATED	21/10/2022	4427369	22809297.9	
4427448	British Telecommunications public limited company	17/10/2022	4427448	22821306.2	
4428074	G.D S.p.A.	18/12/2023	4428074	23217500.0	
4428309	Takeuchi Mfg. Co., Ltd.	28/07/2023	4428309	23188325.7	
4428362	Siemens Gamesa Renewable Energy Innovation & Technology S.L.	17/04/2023	4428362	23168171.9	
4428723	Bundesdruckerei GmbH	01/03/2024	4428723	24160891.8	German
4428728	Bundesdruckerei GmbH	01/03/2024	4428728	24160878.5	German
4428729	Bundesdruckerei GmbH	01/03/2024	4428729	24160885.0	German
4428758	Beijing Horizon Information Technology Co., Ltd.	08/03/2024	4428758	24162272.9	

4428956	TOYOTA JIDOSHA KABUSHIKI KAISHA	15/02/2024	4428956	24157909.3	
4429407	Novy	04/03/2024	4429407	24161133.4	
4429446	Seiko Epson Corporation	08/03/2024	4429446	24162232.3	
4429587	Nobel Biocare Services AG	10/11/2022	4429587	22822282.4	
4429616	Suweve B.V.	11/11/2022	4429616	22802749.6	
4430267	BiSN Tec Ltd	10/11/2022	4430267	22805939.0	
4431750	Crowntec (Jiang Xi) Sports Technology Co. Ltd	17/03/2023	4431750	23162707.6	
4433014	Sundance Spas, Inc.	16/11/2022	4433014	22830084.4	
4433337	Stellantis Auto SAS	14/10/2022	4433337	22801517.8	French
4433725	Audi AG	13/10/2022	4433725	22801466.8	German
4434141	Robert Bosch GmbH	07/11/2022	4434141	22813269.2	German
4434748	Seiko Epson Corporation	21/03/2024	4434748	24165036.5	
4434820	Benteler Automobiltechnik GmbH	22/03/2023	4434820	23163537.6	German
4435379	Maioli, Franco Ferrari, Gino	21/03/2024	4435379	24165352.6	
4436476	ENT Research Clinic Horsens	21/11/2022	4436476	22821389.8	
4436532	Plass, André	17/11/2022	4436532	22818655.7	
4436543	ETH Zurich	21/11/2022	4436543	22812827.8	
4436660	Koninklijke Philips N.V.	17/11/2022	4436660	22818339.8	
4436836	Faurecia Intérieur Industrie Stellantis Auto SAS	22/11/2022	4436836	22821483.9	French
4436838	AUDI AG	21/10/2022	4436838	22808738.3	German
4436839	Stellantis Auto SAS	28/09/2022	4436839	22789601.6	German
4436978	AIMPLAS - Asociación de Investigación de Materiales Plásticos y Conexas	24/11/2022	4436978	22822066.1	
4437251	Robert Bosch GmbH	07/11/2022	4437251	22813270.0	German
4438486	AIRBUS OPERATIONS (S.A.S.)	26/03/2024	4438486	24166214.7	French
4438945	RealD Spark, LLC	01/10/2020	4438945	24194866.0	
4439202	Siemens Schweiz AG	29/03/2023	4439202	23165167.0	
4439217	Siemens Sanayi ve Ticaret A. S.	30/03/2023	4439217	23165525.9	
4439367	STMicroelectronics International N.V.	19/03/2024	4439367	24164625.6	French
4439657	AT & S Austria Technologie & Systemtechnik Aktiengesellschaft	19/03/2024	4439657	24164527.4	
4440375	Parfums Christian Dior	23/11/2022	4440375	22826155.8	French
4441175	Evonik Operations GmbH	01/12/2022	4441175	22829702.4	
4441354	Safran Nacelles	02/12/2022	4441354	22834692.0	French
4441862	VALEO SYSTEMES THERMIQUES	17/11/2022	4441862	22817777.0	French
4442330	Technogym S.p.A.	15/03/2024	4442330	24163764.4	
4442418	Wemhöner Surface Technologies GmbH & Co. KG	29/02/2024	4442418	24160492.5	German
4444588	Stellantis Auto SAS	02/11/2022	4444588	22813671.9	French
4444589	Stellantis Auto SAS	15/11/2022	4444589	22834678.9	French
4444590	Stellantis Auto SAS	16/11/2022	4444590	22834680.5	French
4445119	TOMRA Sorting GmbH	06/12/2022	4445119	22830554.6	
4445434	Commissariat à l'Energie Atomique et aux Energies Alternatives Ion Beam Services	22/11/2022	4445434	22821486.2	French
4447812	Brainlab AG	12/12/2022	4447812	22835707.5	

4448030	INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) Centre Hospitalier Universitaire de Lille Université de Lille INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT Centre National de la Recherche Scientifique Centrale Lille Institut	16/12/2022	4448030	22850586.3	French
4448401	Anglian Bespoke Corrugated and Packaging Ltd.	14/12/2022	4448401	22839639.6	
4448461	Eurokera S.N.C.	15/12/2022	4448461	22840270.7	French
4448697	Innospec Limited	14/12/2022	4448697	22830590.0	
4448698	Innospec Limited	14/12/2022	4448698	22830592.6	
4448699	Innospec Limited	14/12/2022	4448699	22830591.8	
4449004	SAIPEM S.A.	12/12/2022	4449004	22844670.4	French
4449067	APTAR France SAS	15/12/2022	4449067	22847549.7	French
4449425	Baxter International Inc. BAXTER HEALTHCARE SA	12/12/2022	4449425	22859490.9	
4450722	Burgis, Wayne Desmond Burgis, Anne Ava	08/09/2023	4450722	23196311.7	
4451135	LTU Licens AB	20/04/2023	4451135	23168999.3	
4452269	Intervet International B.V.	19/12/2022	4452269	22843140.9	
4452354	Koninklijke Philips N.V.	08/12/2022	4452354	22834911.4	
4452428	Eaton Intelligent Power Limited	21/12/2022	4452428	22843639.0	
4452574	KUKA Deutschland GmbH	01/12/2022	4452574	22829541.6	German
4452625	ContiTech Deutschland GmbH	07/12/2022	4452625	22835220.9	German
4453340	Rossi, Dominique	06/12/2022	4453340	22830551.2	French
4453450	Poclain Hydraulics Industrie	22/12/2022	4453450	22847608.1	French
4453460	Samson Aktiengesellschaft	19/12/2022	4453460	22840104.8	German
4453912	TT Soft Sp. z.o.o.	14/12/2022	4453912	22851048.3	
4454558	Meta Platforms Technologies, LLC	28/03/2024	4454558	24167542.0	
4454562	Honor Device Co., Ltd.	12/05/2023	4454562	23851293.3	
4454723	Yamabiko Corporation	11/04/2022	4454723	24200141.0	
4454855	The Japan Steel Works, Ltd.	25/04/2024	4454855	24172347.7	
4456257	SK On Co., Ltd.	24/04/2024	4456257	24172116.6	
4456501	Beijing Volcano Engine Technology Co., Ltd.	16/04/2024	4456501	24170435.2	
4456706	HUSQVARNA AB	27/12/2021	4456706	21848083.8	
4457287	Aliquid S.r.l.	30/12/2022	4457287	22850606.9	
4458543	Automotive Cells Company SE	05/05/2023	4458543	23315170.3	
4458835	Zhejiang University of Technology Zhejiang Huaxian Photoelectricity Technology Co., Ltd	20/02/2024	4458835	24158729.4	
4459788	Kapsch TrafficCom AG	26/04/2023	4459788	24162051.7	
4460393	HTE GmbH The High Throughput Experimentation Company	04/01/2023	4460393	23700418.9	German
4460629	Siemens Gamesa Renewable Energy A/S	20/01/2023	4460629	23701150.7	
4461603	DAF Trucks N.V.	07/05/2024	4461603	24174554.6	
4461674	Marelec Food Technologies	06/05/2024	4461674	24174291.5	
4462399	Bode Chemie GmbH	08/05/2023	4462399	23382425.9	German
4462431	MACRONIX INTERNATIONAL CO., LTD.	19/05/2023	4462431	23174328.7	
4462608	Aptiv Technologies AG	10/05/2023	4462608	23172632.4	
4463400	Tehibo GmbH	10/01/2023	4463400	23700516.0	German
4463625	Siemens Gamesa Renewable Energy A/S	30/11/2022	4463625	22823449.8	
4464559	Seat, S.A.	13/05/2024	4464559	24382519.7	
4464570	Faiveley Transport Tours	07/05/2024	4464570	24174565.2	French
4464644	Mitsubishi Logisnext Co., Ltd.	08/08/2023	4464644	23190179.4	

4466125	Husqvarna AB	21/12/2022	4466125	22843433.8	
4466822	Siemens Aktiengesellschaft	02/03/2023	4466822	23710251.2	German
4467871	Ningbo Baogong Electrical Appliance Co., Ltd.	30/11/2023	4467871	23213383.5	
4469280	hubergroup Deutschland GmbH	26/07/2023	4469280	23748263.3	
4469510	Wacker Chemie AG	28/01/2022	4469510	22709591.6	German
4469545	Unilever Global IP Limited	24/01/2023	4469545	23701715.7	
4470355	Koninklijke Philips N.V.	26/01/2023	4470355	23701773.6	
4470571	Gea Procomac S.p.A.	22/05/2024	4470571	24177476.9	
4471358	Glen Dimplex Deutschland GmbH	14/02/2022	4471358	24206787.4	German
4471385	Balta, Florian Motit, Horia Mihai	29/05/2023	4471385	23020258.2	
4473193	Apex Dynamics, SIA	27/01/2023	4473193	23704837.6	
4473229	Taurob GmbH TotalEnergies OneTech	23/01/2023	4473229	23701907.0	German
	Petróleo Brasileiro S.A. Petrobras				
4474675	BAUER Maschinen GmbH	07/06/2023	4474675	23177986.9	German
4476071	Ricoh Company, Ltd.	03/02/2023	4476071	23704446.6	
4477129	MEIKO Maschinenbau GmbH & Co. KG	14/06/2024	4477129	24182236.0	German
4477134	Optos plc	14/06/2023	4477134	23179219.3	
4477483	Marelli Europe S.p.A.	11/06/2024	4477483	24181463.1	
4477804	BAUER Spezialtiefbau GmbH	15/06/2023	4477804	23179586.5	German
4477836	Union Winner International Co., Ltd.	19/02/2024	4477836	24158274.1	
4478070	STMicroelectronics International N.V.	31/05/2024	4478070	24179289.4	French
4479699	SIA "Allatherm" Thales Alenia Space Italia S.p.A. Con Unico Socio	18/02/2023	4479699	23708564.2	
4481196	Helmut-Schmidt-Universität	23/06/2023	4481196	23181241.3	
4483250	AGCO International GmbH	09/01/2023	4483250	23700338.9	
4483847	Globus Medical, Inc	25/06/2024	4483847	24184249.1	
4484515	SWISS KRONO Tec AG	27/06/2023	4484515	23181750.3	German
4484521	Suzhou Yisheng Optical Material Co., Ltd.	28/02/2024	4484521	24160324.0	
4485702	Japan Aviation Electronics Industry, Ltd.	14/05/2024	4485702	24175737.6	
4487380	Epinovatech AB	23/02/2023	4487380	23705611.4	
4488193	Bormioli Pharma S.p.A.	26/06/2024	4488193	24184622.9	
4488672	Omini	05/07/2023	4488672	23306132.4	
4489450	Deutsche Telekom AG	07/07/2023	4489450	23184121.4	
4491448	Sefar AG	11/07/2023	4491448	23184683.3	German
4491534	Acqua Minerale San Benedetto S.p.A.	03/05/2024	4491534	24174024.0	
4491843	BAUER Maschinen GmbH	13/07/2023	4491843	23185331.8	German
4492249	Nexperia Technology (Shanghai) Ltd. Nexperia B.V.	12/07/2024	4492249	24188489.9	
4492468	STMicroelectronics International N.V.	10/07/2023	4492468	23306169.6	
4493846	Neoperl GmbH	27/02/2023	4493846	23708457.9	German
4494288	Bose Corporation	17/03/2023	4494288	23715337.4	
4494935	Ningbo Welldon Infant and Child Safety Technology Co., Ltd.	21/06/2024	4494935	24183744.2	
4497438	Xinthera, Inc.	27/04/2023	4497438	24217893.7	
4497690	AIRBUS OPERATIONS (S.A.S.)	03/07/2024	4497690	24186311.7	French
4498053	TDK Electronics AG	16/09/2020	4498053	24217457.1	German
4499974	Vallourec Oil and Gas France NIPPON STEEL CORPORATION	22/03/2023	4499974	23711106.7	French
4500866	Koninklijke Philips N.V.	20/03/2023	4500866	23712518.2	
4502401	fischerwerke GmbH & Co. KG	02/11/2021	4502401	24219626.9	German
4503751	Deutsche Telekom AG	31/07/2023	4503751	23188819.9	
4505851	Yeda Research and Development Co. Ltd.	04/04/2023	4505851	23718360.3	
4508776	Ciena Corporation	26/06/2024	4508776	24742431.0	
4511280	BRIDGE - EU, s.r.o.	21/04/2023	4511280	23721481.2	
4514257	Koninklijke Philips N.V.	20/04/2023	4514257	23720298.1	
4514307	Unilever Global IP Limited	14/04/2023	4514307	23720075.3	
4514702	Schoeller Allibert GmbH	26/04/2023	4514702	23723831.6	German
4515607	Circuit Foil Luxembourg	20/07/2023	4515607	23744772.7	

4515894	Motion Applied Limited	18/09/2023	4515894	23777343.7	
4516369	1080Motion AB	04/09/2023	4516369	23195218.5	
4519662	ARCHIGAS GMBH	15/04/2024	4519662	24720078.5	German
4522803	Semperit AG Holding	10/05/2023	4522803	23727235.6	German
4522830	DELTA-X GmbH Ingenieurgesellschaft	26/02/2024	4522830	24708375.1	German
4523880	Nantong Tank Container Co., Ltd.	20/12/2023	4523880	23218654.4	
	Square Technology Group Co., Ltd.				
4524780	TOYOTA JIDOSHA KABUSHIKI	14/09/2023	4524780	23197535.0	
	KAISHA				
	Technical University of Munich				
4526576	Thiele GmbH & Co. KG	07/09/2023	4526576	23772771.4	German
4527478	Dongguan Saienchuangke Technology Co., Ltd	20/01/2021	4527478	25156689.9	
4527547	Schwäbische Werkzeugmaschinen GmbH	25/09/2023	4527547	23199559.8	German
4528728	Dolby International AB	19/03/2018	4528728	25156638.6	
4528806	STMicroelectronics International N.V.	16/09/2024	4528806	24200623.7	French
4530047	Rolls-Royce plc	29/08/2024	4530047	24197141.5	
4530758	SICK AG	28/09/2023	4530758	23200689.0	German
4534279	Syntegon Technology GmbH	19/09/2024	4534279	24201419.9	German
4536088	Shanghai United Imaging Healthcare Co., Ltd.	23/08/2023	4536088	23809956.8	
4538907	MITSUBISHI ELECTRIC CORPORATION	11/10/2023	4538907	23306766.9	
4539733	Koninklijke Philips N.V.	07/06/2023	4539733	23731255.8	
4540432	JX Metals Circular Solutions Co., Ltd.	13/07/2023	4540432	23748616.2	
4541226	SZ Zuvi Technology Co., Ltd.	16/09/2024	4541226	24200446.3	
4542401	Getac Technology Corporation	17/09/2024	4542401	24200844.9	
4544299	F. Hoffmann-La Roche AG	12/07/2023	4544299	23741691.2	
4546296	trinamiX GmbH	17/02/2022	4546296	25158638.4	
4549240	Bayerische Motoren Werke Aktiengesellschaft	21/02/2024	4549240	24158805.2	German
4555142	Versuni Holding B.V.	27/02/2023	4555142	23708456.1	
4555470	Swiss Reinsurance Company Ltd.	14/07/2023	4555470	23744713.1	
4556160	HEMA Maschinen- und Apparateschutz GmbH	15/11/2023	4556160	23209944.0	German
4556678	BAUER Maschinen GmbH	14/11/2023	4556678	23209748.5	German
4558946	SSI Schäfer IT Solutions GmbH	20/11/2023	4558946	23810024.2	German
4560135	Wölfel Engineering GmbH & Co. KG.	22/11/2023	4560135	23211532.9	German
4565850	Sartorius Lab Instruments GmbH & Co. KG	21/07/2023	4565850	23748460.5	German
4566425	Continental Automotive Technologies GmbH	22/12/2023	4566425	23840965.0	French
4569054	Evonik Operations GmbH	09/10/2024	4569054	24787147.8	
4569055	Evonik Operations GmbH	09/10/2024	4569055	24787146.0	
4569056	Evonik Operations GmbH	09/10/2024	4569056	24787145.2	
4569057	Evonik Operations GmbH	09/10/2024	4569057	24787148.6	

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2563857	Holcim Technology Ltd	28/04/2011	2563857	11719708.7	
2630804	Otoy, Inc.	19/10/2011	2630804	11835075.0	
2846904	Dow Global Technologies LLC	19/04/2013	2846904	13720658.7	
2867256	EMD Millipore Corporation	21/06/2013	2867256	13808723.4	
2898898	President and Fellows of Harvard College	05/03/2010	2898898	15154201.6	
2905750	HR Instrument Services GmbH	10/07/2009	2905750	15154792.4	German
2906964	Accipiter Radar Technologies Inc.	07/10/2013	2906964	13845294.1	
2915041	Microsoft Technology Licensing, LLC	01/11/2013	2915041	13795340.2	
2935661	Maschinenfabrik Niehoff GmbH & Co. KG	09/12/2013	2935661	13811125.7	German
2942066	Menicon Co., Ltd.	29/06/2009	2942066	15170639.7	
2958562	Merck Sharp & Dohme LLC	20/02/2014	2958562	14754282.3	

2959078	D & D Technologies Pty Ltd	24/01/2014	2959078	14754802.8	
2968212	Bio-Pharm Solutions Co., Ltd.	11/03/2014	2968212	14764907.3	
2992322	Baker Hughes Holdings LLC	25/04/2014	2992322	14726300.8	
3003114	Illinois Tool Works Inc.	05/06/2014	3003114	14733481.7	
3047017	The Regents of the University of California	09/10/2014	3047017	14852550.4	
3056824	Theodore, Jr., Michael Gregory	03/02/2016	3056824	16154142.0	
3071880	Lumentum Operations LLC	20/11/2014	3071880	14864733.2	
3082101	Kabushiki Kaisha TOPCON	13/04/2016	3082101	16165027.0	
3088970	ETA SA Manufacture Horlogère Suisse	27/04/2015	3088970	15165231.0	French
3113692	Amsel Medical Corporation	05/03/2015	3113692	15759070.4	
3130370	Sanofi-Aventis Deutschland GmbH	09/06/2011	3130370	16180721.9	
3143642	Texas Instruments Incorporated	15/05/2015	3143642	15792595.9	
	Texas Instruments Japan Limited				
3145034	TE Connectivity Germany GmbH	26/08/2016	3145034	16185800.6	
3148725	Anheuser-Busch, LLC	29/05/2015	3148725	15736318.5	
3149752	Texas Instruments Incorporated	28/05/2015	3149752	15799487.2	
3154044	Hyundai Motor Company	28/04/2016	3154044	16167491.6	
3155722	Synopsys, Inc.	12/06/2015	3155722	15806764.5	
3171891	Hansa Biopharma AB	10/07/2015	3171891	15756845.2	
3174835	Corning Incorporated	30/07/2015	3174835	15757030.0	
3186353	Ecolab USA Inc.	28/08/2015	3186353	15835104.9	
3192823	RxSight, Inc.	30/08/2012	3192823	17151478.9	
3194362	Covestro Deutschland AG	18/09/2015	3194362	15763630.9	German
3197532	Merit Medical Systems, Inc.	24/09/2015	3197532	15844212.9	
3202730	Sekisui Chemical Co., Ltd.	28/09/2015	3202730	15846128.5	
3203909	Kynetyka Technologies Pty Ltd	15/10/2015	3203909	15850063.7	
	Knuckey, Lawrie				
3204767	Qualyst Transporter Solutions LLC	07/10/2015	3204767	15848390.9	
3221284	University of Maryland, Baltimore	18/11/2015	3221284	15860844.8	
3234954	Borealis GmbH	18/12/2015	3234954	15813428.8	
3234955	Borealis GmbH	18/12/2015	3234955	15813431.2	
3243940	Kaneka Corporation	11/12/2015	3243940	15876989.3	
3247388	The United States of America, as represented by The Secretary, Department of Health and Human Services	20/01/2016	3247388	16702318.3	
3249373	Electronics and Telecommunications Research Institute	14/07/2009	3249373	17173025.2	
	Kwangwoon University Industry-Academic Collaboration Foundation				
3255104	Heraeus Epurio GmbH	07/10/2011	3255104	17176673.6	
3256423	Ecolab USA Inc.	11/02/2016	3256423	16749873.2	
3258387	Intel Corporation	19/11/2013	3258387	17183087.0	
3259465	Cummins Power Generation IP, Inc.	15/02/2016	3259465	16752860.3	
3261513	Covidien LP	26/02/2016	3261513	16710550.1	
3261631	Curtana Pharmaceuticals, Inc.	26/02/2016	3261631	16756516.7	
3263914	Nabtesco Corporation	27/06/2017	3263914	17177984.6	
3268769	California Institute of Technology	11/03/2016	3268769	16765505.9	
3268883	Valorisation Gestion, Limited Partnership	25/02/2016	3268883	16754848.6	
	Valorisation-Recherche, Limited Partnership				
3273783	Omniactive Health Technologies Limited	25/03/2016	3273783	16767854.9	

3274745	Bayerische Motoren Werke Aktiengesellschaft	10/03/2016	3274745	16709753.4	German
3277713	Sorriso Pharmaceuticals, Inc.	31/03/2016	3277713	16714361.9	
3278099	Waters Technologies Corporation	17/02/2016	3278099	16773640.4	
3281428	Apple Inc.	16/12/2015	3281428	15888719.0	
3286732	BD Kiestra B.V. Wiles, Timothy M.	22/04/2016	3286732	16720645.7	
3295844	Versuni Holding B.V.	25/11/2014	3295844	17171008.0	
3296779	Honeywell International Inc.	12/07/2017	3296779	17181056.7	
3305303	Fundacion Copec Universidad Católica Universidad de Valparaiso	04/06/2016	3305303	16802314.1	
3314013	European Molecular Biology Laboratory	27/06/2016	3314013	16732613.1	
3315080	GE Precision Healthcare LLC	16/12/2016	3315080	16204700.5	
3315974	Hitachi High-Tech Corporation	11/07/2016	3315974	16832691.6	
3316733	Form Orange Produktentwicklung	30/06/2016	3316733	16742174.2	German
3316734	Form Orange Produktentwicklung	30/06/2016	3316734	16742175.9	German
3317264	Exelixis, Inc.	30/06/2016	3317264	16738971.7	
3317645	IMEC VZW	30/06/2016	3317645	16733566.0	
3318072	Apple Inc.	23/12/2015	3318072	15897296.8	
3320488	Texas Instruments Incorporated	06/07/2016	3320488	16821919.4	
3320814	Guangdong Midea Consumer Electrics Manufacturing Co. Ltd. Midea Group Co., Ltd.	03/07/2017	3320814	17823590.9	
3322849	Kimberly-Clark Worldwide, Inc.	15/07/2016	3322849	16825230.2	
3324680	Huawei Technologies Co., Ltd.	30/05/2016	3324680	16836456.0	
3325008	Pfizer Inc.	18/07/2016	3325008	16741695.7	
3333856	Furukawa Electric Co., Ltd.	22/07/2016	3333856	16832802.9	
3335712	Opko Renal, LLC	25/04/2008	3335712	18155042.7	
3335869	The Boeing Company	27/11/2017	3335869	17203697.2	
3336487	Robert Bosch GmbH	14/11/2017	3336487	17201607.3	German
3341814	IntegenX Inc.	21/09/2016	3341814	16849529.9	
3342814	The Yokohama Rubber Co., Ltd.	26/08/2016	3342814	16839380.9	
3343437	Hyundai Motor Company Kia Corporation	04/12/2017	3343437	17205189.8	
3349548	Commissariat à l'Energie Atomique et aux Energies Alternatives	10/01/2018	3349548	18151037.1	French
3349641	Lovász, Sándor Rényi, Gábor Giber, János	15/09/2016	3349641	16809517.2	
3352681	Touchstone International Medical Science Co., Ltd.	25/07/2016	3352681	16831209.8	
3353131	Sika Technology AG	22/09/2016	3353131	16775578.4	German
3353793	California Institute of Technology	22/09/2016	3353793	16849637.0	
3356832	University Of California San Diego The Regents of the University of California Laboratory Corporation of America Holdings	29/09/2016	3356832	16852551.7	
3357289	Sierra Wireless, ULC	03/10/2016	3357289	16849994.5	
3362106	Suntory Holdings Limited PlasmaTreat GmbH	13/10/2015	3362106	15787040.3	
3367903	Stryker Corporation	28/10/2016	3367903	16858543.8	
3370084	Hokuyo Automatic Co., Ltd.	19/10/2016	3370084	16859653.4	
3370417	Canon Kabushiki Kaisha	15/02/2018	3370417	18156898.1	
3370910	Milwaukee Electric Tool Corporation	01/11/2016	3370910	16862789.1	

3376567	KABUSHIKI KAISHA TOSHIBA Toshiba Infrastructure Systems & Solutions Corporation	05/09/2017	3376567	17189370.4	
3376726	Tektronix, Inc.	12/03/2018	3376726	18161315.9	
3378415	Kaneka Corporation	18/11/2016	3378415	16866477.9	
3378514	Terumo Kabushiki Kaisha	17/11/2016	3378514	16866367.2	
3378972	Kabushiki Kaisha Toyota Chuo Kenkyusho	18/01/2018	3378972	18152259.0	
3381185	AUMOVIO Autonomous Mobility Germany GmbH	24/10/2016	3381185	16797729.7	German
3382654	Hexagon Technology Center GmbH	15/03/2018	3382654	18162138.4	
3383328	Odin Sleep, LLC	30/11/2016	3383328	16871456.6	
3388573	Woodrow Scientific Limited	08/07/2013	3388573	18171150.8	
3390632	Danisco US Inc.	15/12/2016	3390632	16825944.8	
3396434	Samsung Display Co., Ltd.	26/04/2018	3396434	18169414.2	
3403783	Michael Weinig AG	17/05/2018	3403783	18000466.5	German
3405011	FEDRIGONI S.P.A.	16/05/2017	3405011	17305560.9	
3407749	Elten GmbH	30/01/2017	3407749	17706145.4	German
3410398	Astemo, Ltd.	10/01/2017	3410398	17743902.3	
3410695	CANON KABUSHIKI KAISHA	30/05/2018	3410695	18175093.6	
3410830	Micron Technology, Inc.	03/12/2008	3410830	18183518.2	
3411555	Köster, Helmut	01/02/2017	3411555	17704184.5	
3412770	Japan as represented by Director General of Agency of National Institute of Infectious Diseases Denka Company Limited National Center for Geriatrics and Gerontology	01/02/2017	3412770	17747433.5	
3413064	Safran Landing Systems	04/06/2018	3413064	18175822.8	French
3417980	Tohoku Techno Arch Co., Ltd. TPR Co., Ltd.	16/01/2017	3417980	17752863.5	
3419566	Ottobock SE & Co. KGaA	23/02/2017	3419566	17706807.9	German
3420694	Accertify, Inc.	25/02/2016	3420694	16715142.2	
3423376	Bazoberry, Carlos, Fernando	27/02/2017	3423376	17770805.4	
3423633	Plasser & Theurer Export von Bahnbaumaschinen Gesellschaft m.b.H.	02/02/2017	3423633	17703025.1	German
3428254	Kyodo Yushi Co., Ltd.	08/03/2017	3428254	17763312.0	
3428969	LG Display Co., Ltd.	30/06/2016	3428969	18181556.4	
3429711	Skillz Platform Inc.	15/03/2017	3429711	17714099.3	
3432443	Goodrich Actuation Systems Limited	20/07/2017	3432443	17182363.6	
3433283	Stemmatters, Biotecnologia e Medicina Regenerativa, S.A.	24/03/2017	3433283	17719920.5	
3433669	Rodenstock GmbH	14/03/2017	3433669	17713578.7	German
3437441	AT & S Austria Technologie & Systemtechnik Aktiengesellschaft	30/03/2017	3437441	17714725.3	
3439781	Lummus Technology LLC	28/04/2017	3439781	17722639.6	
3440395	Hexagon Technology AS	04/04/2017	3440395	17718449.6	
3442206	LG Electronics Inc.	09/02/2018	3442206	18156020.2	
3442649	Duray, Gábor Mancsiczky, Lajos Major, László	12/04/2017	3442649	17726025.4	
3442908	Solvay SA	13/04/2017	3442908	17717709.4	
3446530	Intel Corporation	27/12/2016	3446530	16899687.4	
3446915	The Boeing Company	09/07/2018	3446915	18182506.8	
3447957	Huawei Technologies Co., Ltd.	11/05/2017	3447957	17795593.7	

3449972	MedTrace Pharma A/S	20/06/2016	3449972	18199616.6	German
3452127	BVW Invest AG	03/05/2017	3452127	17724673.3	
3453897	LG Display Co., Ltd.	11/07/2018	3453897	18182912.8	
3455329	Tremco CPG Germany GmbH	09/05/2017	3455329	17729019.4	
3456681	STILL GmbH	19/07/2018	3456681	18184455.6	
3458404	O.M.E.R. S.p.A.	18/05/2017	3458404	17729549.0	
3465705	X-Card Holdings, LLC	18/05/2017	3465705	17803315.5	
3466050	Google LLC	18/09/2017	3466050	17778027.7	
3466476	Teleflex Life Sciences LLC	24/05/2016	3466476	18204252.3	
3469411	Amphenol Cable and Interconnect Technologies, Inc.	12/06/2017	3469411	17732671.7	
3471328	LG Electronics Inc.	28/06/2018	3471328	18824824.9	German
3473706	National University Corporation Yokohama National University Kanagawa Institute of Industrial Science and Technology	13/06/2017	3473706	17813289.0	
3474166	Comsol AB	20/12/2013	3474166	18205625.9	
3474193	Graphcore Limited	12/10/2018	3474193	18200108.1	
3477648	Dassault Systemes Americas Corp.	23/10/2018	3477648	18202170.9	
3477655	Samsung Electronics Co., Ltd.	30/10/2018	3477655	18203288.8	
3478165	Niramai Health Analytix Pvt. Ltd.	29/06/2017	3478165	17819464.3	
3478397	TotalEnergies OneTech Veolia Water Solutions & Technologies Support SAIPEM S.A.	01/07/2016	3478397	16756790.8	
3479784	Dongbang Medical Co., Ltd.	30/06/2017	3479784	17820562.1	
3481161	AT & S Austria Technologie & Systemtechnik Aktiengesellschaft	02/11/2017	3481161	17199727.3	German
3481454	Geuder AG	17/07/2018	3481454	18759848.7	
3482341	Samsung Electronics Co., Ltd.	07/07/2017	3482341	17824585.8	
3483411	RTX Corporation	12/11/2018	3483411	18205748.9	
3483610	University Of Washington Center For Commercialization Clemson University	09/11/2010	3483610	18210840.7	
3483839	Siemens Healthineers AG	08/11/2017	3483839	17200642.1	French
3484363	Airofit A/S	13/07/2017	3484363	17739276.8	
3485324	Essilor International	18/07/2017	3485324	17757788.9	
3486867	OMRON CORPORATION	13/09/2018	3486867	18194192.3	
3487388	Amorv (IP) Company Limited	21/07/2017	3487388	17830504.1	
3487791	Martin, Benjamin	20/07/2017	3487791	17751649.9	French
3488163	Jets AS	27/02/2018	3488163	18771011.6	
3490579	Hartis-Pharma SA	26/07/2017	3490579	17743057.6	
3490656	Cook Medical Technologies LLC	20/07/2017	3490656	17746311.4	
3490770	Chemetall GmbH	25/07/2017	3490770	17748697.4	
3491022	Institut National de la Santé et de la Recherche Médicale (INSERM) Université Paul Sabatier Toulouse III Centre National de la Recherche Scientifique CNRS Centre Hospitalier Universitaire de Toulouse Institut Claudius Regaud	28/07/2017	3491022	17751675.4	German
3493162	CANON KABUSHIKI KAISHA	27/11/2018	3493162	18208659.5	
3497839	Alcatel Lucent	14/08/2017	3497839	17784997.3	
3502857	Samsung Electronics Co., Ltd.	09/10/2018	3502857	18199276.9	
3508319	Applied Medical Resources Corporation	19/02/2016	3508319	19159065.2	

3510958	Biosense Webster (Israel) Ltd.	03/10/2013	3510958	19158938.1	
3512406	Essilor International	24/03/2017	3512406	17713639.7	
3512440	T.A.G. Medical Devices - Agriculture Cooperative Ltd.	18/09/2017	3512440	17777976.6	
3512590	Boston Scientific Scimed, Inc.	14/09/2017	3512590	17772269.1	
3514421	Dresser, LLC	15/01/2019	3514421	19151948.7	
3514906	Hamilton Sundstrand Corporation	18/01/2019	3514906	19152643.3	
3515686	Stratasys Ltd.	20/09/2017	3515686	17783586.5	
3519995	Materialise NV	28/09/2017	3519995	17783678.0	
3520015	Musarubra US LLC	27/09/2017	3520015	17781303.7	
3522417	Huawei Technologies Co., Ltd.	02/11/2017	3522417	17868269.6	
3524421	ANDRITZ Schuler Pressen GmbH	25/01/2019	3524421	19153659.8	German
3525667	The Johns Hopkins University The Cleveland Clinic Foundation	10/11/2017	3525667	17869134.1	
3525696	Intuitive Surgical Operations, Inc.	11/10/2017	3525696	17860557.2	
3526016	Alcon Inc.	12/10/2017	3526016	17797739.4	
3526256	Agenus Inc.	11/10/2017	3526256	17794131.7	
3526820	POWER ROLL LIMITED	06/10/2017	3526820	17783568.3	
3530685	Cavenaghi SPA	21/04/2016	3530685	19156445.9	
3530735	NATIONAL AGRICULTURE AND FOOD RESEARCH ORGANIZATION	16/10/2017	3530735	17862918.4	
3531572	Huawei Technologies Co., Ltd.	06/07/2017	3531572	17917154.1	
3532644	Vedanta Biosciences, Inc.	27/10/2017	3532644	17863799.7	
3532880	Corning Incorporated	24/10/2017	3532880	17794594.6	
3534249	Samsung Electronics Co., Ltd.	27/02/2019	3534249	19159777.2	
3535810	Amphenol Cabelcon ApS	31/10/2017	3535810	17798060.4	
3538836	Alley, Randall	09/11/2017	3538836	17869127.5	
3538866	Biosurgical S.L.	10/11/2017	3538866	17804480.6	
3541277	Medici Technologies, LLC	17/11/2017	3541277	17872734.3	
3543306	Furukawa Electric Co., Ltd.	09/11/2017	3543306	17872786.3	
3546585	Genethon International Centre For Genetic Engineering And Biotechnology	27/04/2015	3546585	19172023.4	
3547212	Apple Inc.	25/01/2019	3547212	19153780.2	
3548548	Hilti Aktiengesellschaft	14/11/2017	3548548	17797937.4	German
3551039	ART Healthcare Ltd.	06/06/2017	3551039	17731951.4	
3551053	Nokia Technologies Oy	05/12/2017	3551053	17879558.9	
3557084	Schletter International B.V.	16/04/2018	3557084	18167538.0	German
3558834	P.E. Labellers S.p.A.	14/12/2017	3558834	17835622.6	
3559949	Medtronic MiniMed, Inc.	07/11/2017	3559949	17801242.3	
3560606	Musashi Engineering, Inc.	19/12/2017	3560606	17883339.8	
3563134	Hitachi Energy Ltd	02/01/2018	3563134	18734013.8	
3563901	Freudenberg Medical, LLC	08/03/2019	3563901	19161639.0	
3565424	Kronenberger, Ronald	05/01/2018	3565424	18736489.8	
3565695	ALPLA Werke Alwin Lehner GmbH & Co. KG	21/12/2017	3565695	17821641.2	German
3566007	Cascade Designs, Inc.	29/12/2017	3566007	17890345.6	
3566222	Kuipers, Johan Ritser	03/01/2018	3566222	18700307.4	
3567843	CANON KABUSHIKI KAISHA	23/01/2019	3567843	19153180.5	
3568903	Revibe Energy AB	16/01/2018	3568903	18738842.6	
3571784	QUALCOMM Incorporated	18/01/2018	3571784	18716690.5	
3573551	ArthroSave Holding B.V.	29/01/2018	3573551	18703717.1	
3575937	Beijing Xiaomi Mobile Software Co., Ltd.	13/05/2019	3575937	19174132.1	
3576058	Youon Technology Co., Ltd.	29/01/2018	3576058	18745456.6	
3576468	NTT DOCOMO, INC.	23/01/2018	3576468	18744180.3	

3577154	Gamma Meccanica S.P.A.	01/02/2018	3577154	18701504.5	
3578831	Kidde Technologies, Inc.	07/06/2019	3578831	19179030.2	
3579324	Kanadevia Corporation	23/01/2018	3579324	18748506.5	
3580152	Laitram, LLC	09/02/2018	3580152	18750719.9	
3580766	Prysmian S.p.A.	08/02/2017	3580766	17704708.1	
3582787	Ustav Experimentalni Mediciny Akademie Ved Cr, v.v.i.	13/02/2018	3582787	18754040.6	
3582901	Flottweg SE	14/02/2018	3582901	18710310.6	German
3583088	Provivi, Inc.	17/02/2018	3583088	18753853.3	
3583454	Magic Leap, Inc.	14/02/2018	3583454	18754258.4	
3585267	Nina Medical Ltd.	13/07/2017	3585267	17830598.3	
3586942	Hamilton Sundstrand Corporation	26/06/2019	3586942	19182516.5	
3590197	Apple Inc.	31/01/2018	3590197	18705277.4	
3591508	Canon Production Printing Holding B.V.	03/07/2018	3591508	18181373.4	
3595760	Becton, Dickinson and Company	16/03/2018	3595760	18767821.4	
3596102	The Regents of the University of California	15/03/2018	3596102	18768159.8	
3600071	University of Maryland Medical System Corporation University Of Maryland, Baltimore	22/03/2018	3600071	18771884.6	
3600282	Corcept Therapeutics Incorporated	30/03/2018	3600282	18777520.0	
3600471	Zimmer, Inc.	20/03/2018	3600471	18715460.4	
3600563	Joyderma AG	23/03/2018	3600563	18711581.1	
3601145	Krones AG	23/03/2018	3601145	18721691.6	German
3601742	BorgWarner Inc.	22/03/2018	3601742	18717176.4	
3602249	Google LLC	22/03/2018	3602249	18718260.5	
3602916	QUALCOMM Incorporated	03/03/2018	3602916	18712348.4	
3605618	Nichia Corporation	24/10/2013	3605618	19190180.0	
3605983	Huawei Technologies Co., Ltd.	17/11/2018	3605983	18878455.7	
3607988	Fisher & Paykel Healthcare Limited	03/06/2015	3607988	19183714.5	
3609435	GC Aesthetics (Distribution) Limited	22/03/2018	3609435	18716142.7	
3610111	Bard I Ltd	21/03/2018	3610111	18715074.3	
3612175	Genfit	18/04/2018	3612175	18717628.4	
3612491	NYPRO Inc.	03/05/2018	3612491	18794295.8	
3617748	Huawei Technologies Co., Ltd.	27/07/2017	3617748	17913152.9	
3619827	QUALCOMM Incorporated	28/04/2018	3619827	18725088.1	
3624491	ZTE Corporation	16/04/2018	3624491	18799268.0	
3625165	Heineken Supply Chain B.V.	18/05/2018	3625165	18732498.3	
3625343	The Broad Institute, Inc. Massachusetts Institute of Technology President and Fellows of Harvard College	18/05/2018	3625343	18733391.9	
3625620	SIGHTGLASS VISION, Inc.	08/05/2018	3625620	18798444.8	
3625799	Lodestar Licensing Group LLC	23/04/2018	3625799	18850106.8	
3626769	Shinryo Corporation	08/05/2018	3626769	18801569.7	
3627643	Sumitomo Electric Industries, Ltd.	19/03/2018	3627643	18803044.9	
3629098	BROTHER KOGYO KABUSHIKI KAISHA	31/03/2017	3629098	19208534.8	
3629427	LG Energy Solution, Ltd.	18/01/2019	3629427	19741910.4	
3631684	Bio-Rad Laboratories, Inc.	21/05/2018	3631684	18728987.1	
3632317	I-sens, Inc.	01/06/2018	3632317	18810282.6	
3633673	Harman International Industries, Incorporated	04/10/2019	3633673	19201533.7	
3634109	CNH Industrial Belgium NV	05/06/2018	3634109	18729114.1	
3635199	Chantiers de l'Atlantique	04/06/2018	3635199	18727035.0	French
3635407	Abbott Laboratories	26/04/2018	3635407	18727084.8	

3635818	Tektronix, Inc.	17/04/2018	3635818	18727070.7	
3637172	Toppa Printing Co., Ltd.	06/06/2018	3637172	18813298.9	
3637681	Nokia Solutions and Networks Oy	12/10/2018	3637681	18200181.8	
3639058	BEA S.A.	15/06/2018	3639058	18737497.0	German
3639100	Honeywell International Inc.	01/06/2018	3639100	18817368.6	
3639423	InterDigital Patent Holdings, Inc.	13/06/2018	3639423	18737468.1	
3639971	Michael Weinig AG	11/10/2019	3639971	19000466.3	German
3640663	NXP B.V.	15/10/2018	3640663	18200426.7	
3640747	Montres Breguet S.A.	15/07/2016	3640747	19207360.9	French
3641780	Corcept Therapeutics Incorporated	18/06/2018	3641780	18821665.9	
3642333	HI-STEM gGmbH Im Deutschen Krebsforschungszentrum DKFZ	21/06/2018	3642333	18731852.2	
3642339	Novozymes A/S	21/06/2018	3642339	18731850.6	
3644299	Frequentis AG	08/10/2019	3644299	19201912.3	German
3647544	RTX Corporation	30/10/2019	3647544	19206357.6	
3648594	BASF Corporation	06/07/2018	3648594	18827675.2	
3649454	Waters Technologies Corporation	28/06/2018	3649454	18755890.3	
3649460	Koh Young Technology Inc	06/07/2018	3649460	18828691.8	
3651358	Semtech Corporation	06/11/2019	3651358	19207366.6	
3651922	J.G. Weisser Söhne GmbH & Co. KG	12/07/2018	3651922	18755707.9	German
3652694	Visa International Service Association	11/07/2018	3652694	18831093.2	
3654687	T-Mobile USA, Inc.	07/11/2019	3654687	19207822.8	
3655747	Robert Bosch GmbH	13/07/2018	3655747	18740827.3	German
3656046	Tridonic GmbH & Co. KG	10/07/2018	3656046	18736925.1	
3656330	Biosense Webster (Israel) Ltd.	27/12/2017	3656330	20151234.0	
3656420	Gemtier Medical (Jiangsu) Inc.	12/07/2018	3656420	18835193.6	
3656828	3M Innovative Properties Company	23/11/2018	3656828	18207960.8	
3657080	Mitsubishi Electric Corporation	21/07/2017	3657080	17918577.2	
3657639	LG Electronics Inc.	19/11/2019	3657639	19210101.2	
3657891	Huawei Technologies Co., Ltd.	28/07/2017	3657891	17919059.0	
3658083	Intact Vascular, Inc.	24/07/2018	3658083	18839424.1	
3658614	Flexsys Holdings, Inc.	17/07/2018	3658614	18755344.1	
3658981	Barco N.V.	25/07/2017	3658981	17755069.6	
3661342	Lee, Sung Kyun	16/07/2018	3661342	18838527.2	
3662185	Xomox International GmbH&Co. OHG	16/05/2018	3662185	18726760.4	German
3663832	Koh Young Technology Inc	09/04/2018	3663832	18841333.0	
3665605	Banks and Acquirers International Holding	09/08/2018	3665605	18749409.1	French
3669824	Industrial Technology Research Institute	21/12/2018	3669824	18215690.1	
3670296	JTEKT CORPORATION	13/12/2019	3670296	19216026.5	
3670397	Cusinato Giovanni S.r.l. Soc. Unipersonale	20/12/2019	3670397	19218557.7	
3670623	NITTO BELGIUM N.V	20/12/2018	3670623	18214508.6	
3673233	Mobileye Vision Technologies Ltd.	18/04/2019	3673233	19787733.5	
3673401	Absolute Software Corporation	10/04/2018	3673401	18847963.8	
3675779	C. R. Bard, Inc.	18/09/2018	3675779	18859862.7	
3681478	Atossa Therapeutics, Inc.	10/09/2018	3681478	18853900.1	
3682062	OPAN concept SA De Cérenville géotechnique S.A.	12/09/2018	3682062	18779786.5	French
3684305	Salts Healthcare Limited	21/09/2018	3684305	18778993.8	
3688027	The United States of America, as represented by the Secretary, Department of Health and Human Services	17/09/2018	3688027	18780006.5	
3689068	Apple Inc.	28/09/2018	3689068	18863111.3	

3689563	Textor Maschinenbau GmbH	08/03/2016	3689563	20154531.6	German
3689906	Jiangsu Hengrui Medicine Co., Ltd. Shanghai Hengrui Pharmaceutical Co., Ltd.	28/09/2018	3689906	18860941.6	
3690329	Carrier Japan Corporation	30/01/2020	3690329	20154646.2	German
3690354	Deutsches Zentrum für Luft- und Raumfahrt e.V.	29/01/2020	3690354	20154223.0	
3692293	GPT Industries, LLC	30/01/2018	3692293	18865330.7	
3692634	Google LLC	16/07/2018	3692634	18753503.4	
3692953	DEKA Products Limited Partnership	01/05/2013	3692953	20161013.6	
3695242	Overhaul Group, Inc.	10/10/2018	3695242	18866753.9	
3695507	Conlon, Barry Johnson Controls Tyco IP Holdings LLP	10/10/2018	3695507	18796240.2	
3698814	Seoul National University Hospital	18/07/2018	3698814	18868312.2	
3699622	Sino Canada Health Engineering Research Institute (Hefei) Ltd.	28/01/2020	3699622	20153998.8	
3700016	TE Connectivity Germany GmbH	21/02/2019	3700016	19158540.5	
3701300	3M Innovative Properties Company	25/10/2018	3701300	18871222.8	
3701545	Motorola Solutions, Inc.	19/11/2018	3701545	18826847.8	
3701890	Geuder AG	09/01/2020	3701890	20150833.0	German
3702056	Unicharm Corporation	26/07/2018	3702056	18874188.8	
3702435	Mitsubishi Corporation	24/10/2018	3702435	18870167.6	
3702715	China Petroleum & Chemical Corporation Beijing Research Institute of Chemical Industry China Petroleum & Chemical Corporation	25/10/2018	3702715	18871432.3	
3706366	NIO (Anhui) Holding Co., Ltd.	22/06/2018	3706366	18873086.5	
3706380	NXP USA, Inc.	25/02/2020	3706380	20159249.0	
3706487	Sharp Kabushiki Kaisha	31/10/2018	3706487	18873338.0	
3707578	Razer (Asia-Pacific) Pte. Ltd.	10/11/2017	3707578	17931205.3	
3707736	Hitachi Energy Ltd	07/11/2018	3707736	18799765.5	German
3708172	Industry-Academic Cooperation Foundation, Yonsei University	05/11/2018	3708172	18872034.6	
3709446	Iriso Electronics Co., Ltd.	13/03/2020	3709446	20163167.8	
3709573	Juniper Networks, Inc.	24/06/2019	3709573	19182052.1	
3709721	HUAWEI TECHNOLOGIES CO., LTD.	25/12/2017	3709721	17936251.2	
3709994	Pizeta Pharma S.P.A.	13/11/2018	3709994	18815345.6	
3710955	X-System Limited	15/11/2018	3710955	18822435.6	
3711043	BAE Systems PLC	06/11/2018	3711043	18804060.4	
3712633	Siemens Healthineers AG	18/03/2019	3712633	19163417.9	
3712672	FUJIFILM Corporation	19/10/2018	3712672	18877851.8	
3714480	DH Technologies Development PTE. Ltd.	20/11/2018	3714480	18815032.0	
3715735	LG Electronics Inc.	19/02/2020	3715735	20158197.2	
3715762	Valeo Autosystemy Sp. z o.o.	28/03/2019	3715762	19461521.7	
3716119	STMicroelectronics (Rousset) SAS STMicroelectronics Belgium	23/03/2020	3716119	20165045.4	
3717320	Continental Automotive Technologies GmbH	15/11/2018	3717320	18811159.5	German
3718042	nChain Licensing AG	26/11/2018	3718042	18833112.8	
3718935	The Raymond Corporation	31/03/2020	3718935	20167284.7	

3719858	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	18/09/2018	3719858	18857377.8	
3719963	LC Advanced Motor Technology Corporation	31/03/2014	3719963	20174454.7	
3721056	Carbo Ceramics Inc.	29/11/2018	3721056	18885767.6	
3721526	Microsoft Technology Licensing, LLC	19/12/2018	3721526	18837026.6	
3721599	Dish Network Technologies India Pvt. Ltd.	03/12/2018	3721599	18830318.4	
3721788	Nidek Co., Ltd.	28/11/2018	3721788	18885428.5	
3721886	Ohdaira, Takeshi	07/12/2018	3721886	18885300.6	
3722569	RTX Corporation	08/04/2020	3722569	20168758.9	
3723607	Medtronic MiniMed, Inc.	15/10/2018	3723607	18796810.2	
3724061	Balltec Limited	13/12/2018	3724061	18829918.4	
3725479	SCM Group S.p.A.	30/03/2020	3725479	20166689.8	
3725823	JINAN SHENGQUAN GROUP SHARE-HOLDING CO., LTD.	23/11/2018	3725823	18887770.8	
3726354	NIO (Anhui) Holding Co., Ltd.	13/12/2018	3726354	18887721.1	
3726359	Apple Inc.	26/02/2014	3726359	20179198.5	
3728289	Axelia Oncology Pty Ltd	21/12/2018	3728289	18890144.1	
3729157	Honeywell International Inc.	17/12/2018	3729157	18890077.3	
3729417	ULTRAHAPTICS IP LTD	21/12/2018	3729417	18833494.0	
3729798	Japan Agency for Marine-Earth Science and Technology Okamoto Glass Co., Ltd.	11/12/2018	3729798	18891589.6	
3730542	Oji Holdings Corporation	18/12/2018	3730542	18892660.4	
3731029	Citizen Watch Co., Ltd.	24/10/2018	3731029	18891262.0	
3731097	EMC IP Holding Company LLC	27/03/2020	3731097	20166272.3	
3732513	Microsoft Technology Licensing, LLC	24/01/2019	3732513	19704174.2	
3732932	INTEL Corporation	28/06/2018	3732932	18895891.2	
3732942	Horsch Maschinen GmbH	18/12/2018	3732942	20172897.9	German
3733392	IHI Corporation IHI Machinery and Furnace Co., Ltd.	20/12/2018	3733392	18893960.7	
3733503	The Boeing Company	01/05/2020	3733503	20172622.1	
3733538	Yoshino Kogyosho Co., Ltd.	01/11/2018	3733538	18893503.5	
3733740	DAIKIN INDUSTRIES, LTD.	05/02/2019	3733740	19752024.0	
3734019	RTX Corporation	14/04/2020	3734019	20169443.7	
3734530	YI Tunnel (Beijing) Technology Co., Ltd.	02/01/2018	3734530	18896442.3	
3734645	Qualcomm Incorporated	07/12/2011	3734645	20161750.3	
3734908	HUAWEI TECHNOLOGIES CO., LTD.	28/12/2018	3734908	18896533.9	
3735523	Cummins, Inc.	02/01/2019	3735523	19735897.1	
3736450	Mitsubishi Electric Corporation	25/10/2018	3736450	20181735.0	
3736579	Innogy SE	28/02/2020	3736579	20160162.2	German
3737494	Cytiva BioProcess R&D AB	07/01/2019	3737494	19700767.7	
3740225	Pneumagen Ltd	27/02/2019	3740225	19710087.8	
3740707	Padmini VNA Mechatronics Pvt. Ltd.	07/07/2018	3740707	18900150.6	
3741872	Complete Genomics, Inc.	17/03/2014	3741872	20170317.0	
3742419	VOLKSWAGEN AG	30/04/2020	3742419	20172482.0	German
3743696	Ahrma Holding B.V.	25/01/2019	3743696	19714844.8	
3743841	Hewlett-Packard Development Company, L.P.	31/07/2018	3743841	18928794.9	
3744732	F. Hoffmann-La Roche AG	22/06/2016	3744732	20175658.2	
3744834	Promega Corporation	03/05/2010	3744834	20169057.5	
3745123	Bruker Scientific LLC	22/05/2020	3745123	20176076.6	

3745183	Ricoh Company, Ltd.	06/05/2020	3745183	20173198.1	
3745787	HUAWEI TECHNOLOGIES CO., LTD.	15/03/2019	3745787	19777491.2	
3745966	Boston Scientific Scimed, Inc.	18/01/2019	3745966	19703573.6	
3746018	Tusker Medical, Inc.	01/02/2019	3746018	19708913.9	
3748248	LG Electronics Inc.	16/01/2019	3748248	19748141.9	
3748936	The Boeing Company	05/06/2020	3748936	20178471.7	
3749143	Gbr mit Hans-Christian Toni Hackmann & Raphael Schneider KUBIVENT Sitz- und Liegepolster GmbH	06/02/2019	3749143	19703712.0	German
3750608	Tencent Technology (Shenzhen) Company Limited	23/11/2018	3750608	18905673.2	
3751304	HERE Global B.V.	12/05/2015	3751304	20185768.7	
3752251	AstraZeneca AB	15/02/2019	3752251	19710796.4	
3752268	Filtration Group GmbH	08/02/2019	3752268	19704002.5	German
3752582	A.P. Møller - Mærsk A/S Københavns Universitet	18/02/2019	3752582	19706939.6	
3753756	AUTEL INTELLIGENT TECHNOLOGY CORP., LTD.	06/03/2019	3753756	19767719.8	
3753959	Kuraray Co., Ltd.	05/02/2019	3753959	19755058.5	
3754211	Hamilton Sundstrand Corporation	21/11/2019	3754211	19210745.6	
3754264	The Boeing Company	23/04/2020	3754264	20171054.8	
3754921	Hamilton Sundstrand Corporation	19/11/2019	3754921	19210124.4	
3755417	Seoul National University Hospital	15/03/2019	3755417	19758306.5	
3755749	ARKEMA FRANCE	19/02/2019	3755749	19710062.1	French
3756062	Hewlett-Packard Development Company, L.P.	19/07/2018	3756062	18926614.1	
3756088	Pensando Systems Inc.	19/02/2019	3756088	19756995.7	
3756322	Telefonaktiebolaget LM Ericsson (publ)	15/03/2018	3756322	18710483.1	
3757170	Nisshinbo Chemical Inc.	13/02/2019	3757170	19756566.6	
3758233	NXP B.V.	22/06/2020	3758233	20181348.2	
3758363	Tencent Technology (Shenzhen) Company Limited	28/03/2019	3758363	19792554.8	
3758526	Imperial Tobacco Limited	21/02/2019	3758526	19706610.3	
3758583	Medtor LLC	07/02/2019	3758583	19710824.4	
3759822	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e. V. Diehl Metering Systems GmbH	18/02/2019	3759822	19706540.2	German
3759901	Imperial Tobacco Limited	13/02/2019	3759901	19704815.0	
3760408	Resonac Corporation	27/03/2019	3760408	19775176.1	
3760961	Fujitsu General Limited	24/01/2019	3760961	19761573.5	
3761826	NIKE Innovate C.V.	10/04/2019	3761826	19719121.6	
3762634	Robert Bosch GmbH	28/02/2019	3762634	19709858.5	German
3763107	British Telecommunications public limited company	04/03/2019	3763107	19707407.3	
3763555	RENK America LLC	16/03/2017	3763555	20193200.1	
3764108	Nihon Techno Co., Ltd.	31/05/2012	3764108	20181913.3	
3765240	Ancora S.p.A.	12/03/2019	3765240	19715226.7	
3765731	GE Renewable Technologies	19/04/2019	3765731	19718180.3	
3765739	Edwards Technologies Vacuum Engineering (Qingdao) Co Ltd	14/03/2019	3765739	19766796.7	
3766549	COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES Skis Rossignol	09/07/2020	3766549	20185089.8	French
3766827	KRONES AG	13/07/2020	3766827	20185518.6	German

3767354	Reichle & De-Massari AG	18/07/2019	3767354	19186988.2	
3767646	KOMAX HOLDING AG	19/07/2019	3767646	19305960.7	
3767931	Incall Limited	21/11/2014	3767931	20177893.3	
3769364	Valeo Systemes Thermiques-THS	18/04/2019	3769364	19724552.5	French
3769375	TE Connectivity Solutions GmbH	15/03/2019	3769375	19717361.0	
3769423	Nanyang Technological University	15/03/2019	3769423	19771480.1	
3770090	Duplo Seiko Corporation	15/07/2020	3770090	20185876.8	
3770138	Resonac Corporation	01/03/2019	3770138	19772358.8	
3770648	Tokuyama Corporation	19/03/2019	3770648	19770844.9	
3770651	Nitto Denko Corporation	22/03/2019	3770651	19770456.2	
3770951	Kabushiki Kaisha Nihon Micronics	25/03/2019	3770951	19777009.2	
3770989	VOLKSWAGEN AG	14/07/2020	3770989	20185588.9	German
3771001	Umicore	22/07/2020	3771001	20187243.9	
	Umicore Korea Ltd.				
3771094	NXP B.V.	06/07/2020	3771094	20184200.2	
3771412	Bionime Corporation	31/07/2020	3771412	20188982.1	
3771708	Nippon Shokubai Co., Ltd.	30/07/2020	3771708	20188626.4	
3773432	Biosynthis	10/04/2019	3773432	19715534.4	French
3773592	Noviga Research AB	04/04/2019	3773592	19781419.7	
3776431	Alphonso Inc.	27/03/2019	3776431	19716733.1	
3776645	Micron Technology, Inc.	03/04/2019	3776645	19841247.0	
3777553	Suntory Holdings Limited	10/04/2018	3777553	18914912.3	
3777652	Sony Group Corporation	28/02/2019	3777652	19774949.2	
3778709	Asahi Kasei Kabushiki Kaisha	29/03/2019	3778709	19778067.9	
3779090	VKR Holding A/S	03/02/2020	3779090	20155247.8	
3779700	DENSO CORPORATION	11/03/2019	3779700	19774351.1	
3780276	Huawei Technologies Co., Ltd.	01/07/2019	3780276	19826770.0	
3780879	HUAWEI TECHNOLOGIES CO., LTD.	26/04/2019	3780879	19792917.7	
3780913	Korea Research Institute of Standards and Science	15/04/2019	3780913	19912976.8	
3781117	ROQUETTE FRERES	16/04/2019	3781117	19772775.3	French
3781197	Elanco US Inc.	18/04/2019	3781197	19789302.7	
3781201	Orano Med SAS	16/04/2019	3781201	19737582.7	
	F. Hoffmann-La Roche AG				
3781734	Mermet	19/04/2019	3781734	19718185.2	
3782073	Surflin/Wavetrak, Inc.	15/04/2019	3782073	19789026.2	
3782131	Esko Software BV	14/04/2020	3782131	20719974.6	
3782592	Smith & Nephew, Inc.	11/06/2009	3782592	20179476.5	
3782624	Zevra Denmark A/S	28/04/2017	3782624	20200033.7	
3782803	The Boeing Company	15/07/2020	3782803	20185985.7	
3784746	Avery Dennison Corporation	26/04/2019	3784746	19730996.6	
3785017	BECTON, DICKINSON AND COMPANY	22/04/2019	3785017	19793753.5	
3785806	GOJO Industries, Inc.	15/04/2010	3785806	20177059.1	
3786117	Panasonic Intellectual Property Management Co., Ltd.	06/02/2019	3786117	19793856.6	
3786853	Robert Bosch GmbH	02/07/2020	3786853	20183640.0	German
3787279	CANON KABUSHIKI KAISHA	28/07/2020	3787279	20188046.5	
3787631	Emory University	03/05/2019	3787631	19796416.6	
	Hadasit Medical Research Services&Development Ltd.				
3787790	ExxonMobil Technology and Engineering Company	19/04/2019	3787790	19722764.8	
3788817	Plume Design, Inc.	03/05/2019	3788817	19797101.3	
3788927	LG Electronics Inc.	18/04/2019	3788927	19795886.1	

3789358	Greencraft LLC	20/11/2017	3789358	20202110.1	
3789453	Lotte Chemical Corporation	30/04/2019	3789453	19796798.7	
3790327	Samsung Electronics Co., Ltd.	23/04/2019	3790327	19797051.0	
3791863	Anjarium Biosciences AG	20/01/2015	3791863	20190918.1	
3792145	Wonderland Switzerland AG	10/09/2020	3792145	20195526.7	
3792436	Julius Blum GmbH	04/05/2017	3792436	20206472.1	German
3792670	Huawei Technologies Co., Ltd.	26/07/2019	3792670	19912196.3	
3792891	ESYLUX GmbH	16/07/2020	3792891	20186133.3	German
3794445	Microsoft Technology Licensing, LLC	19/06/2019	3794445	19735130.7	
3794932	CLAAS Selbstfahrende Erntemaschinen GmbH	02/07/2020	3794932	20183653.3	German
3795981	The Wave Talk, Inc.	17/05/2019	3795981	19804589.0	
3796607	Nokia Solutions and Networks Oy	18/09/2020	3796607	20196958.1	
3796774	DeLaval Holding AB	20/05/2019	3796774	19727120.8	
3797388	Microsoft Technology Licensing, LLC	24/06/2019	3797388	19737411.9	
3797577	CLAAS Selbstfahrende Erntemaschinen GmbH	16/07/2020	3797577	20186173.9	German
3798635	SYSMEX CORPORATION	24/09/2020	3798635	20197998.6	
3798936	Beijing Xiaomi Mobile Software Co., Ltd.	20/01/2020	3798936	20152696.9	
3799246	General Electric Renovables España, S.L.	30/09/2020	3799246	20199312.8	
3799468	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	28/06/2019	3799468	19827163.7	
3799632	Microsoft Technology Licensing, LLC	19/06/2019	3799632	19735131.5	
3799896	Arthrex, Inc	30/09/2020	3799896	20199198.1	
3800405	LG Electronics Inc.	28/10/2016	3800405	20210650.6	
3801270	Hologic, Inc.	24/05/2019	3801270	19730091.6	
3801605	Dr. Reddy's Laboratories Ltd.	24/05/2019	3801605	19808077.2	
3802028	URSCHEL LABORATORIES, INC.	10/06/2019	3802028	19814872.8	
3802661	The Procter & Gamble Company	30/05/2019	3802661	19731472.7	
3803445	AMS AG	20/05/2019	3803445	19725711.6	
3803502	Vuzix Corporation	12/06/2019	3803502	19831312.4	
3803885	ROQUETTE FRERES	28/05/2019	3803885	19740626.7	French
3803887	Fresenius Medical Care Holdings, Inc.	04/06/2019	3803887	19732822.2	
3804260	Anduril Industries Inc.	29/11/2018	3804260	18922318.3	
3804662	Desarrollos Biomecánicos Innovasan S.L.	10/06/2019	3804662	19820476.0	
3804931	GuangZhou KingTau Machinery&Electronics Equipment Co., Ltd.	28/05/2019	3804931	19811596.6	
3805845	Beijing 7Invensun Technology Co., Ltd.	25/04/2019	3805845	19815087.2	
3806592	HUAWEI TECHNOLOGIES CO., LTD.	11/07/2019	3806592	19840402.2	
3806778	Edwards Lifesciences Corporation	10/06/2019	3806778	19734565.5	
3807639	Ruhr-Universität Bochum	13/06/2019	3807639	19730773.9	German
3807704	Continental Automotive Technologies GmbH	13/06/2019	3807704	19731920.5	German
3808786	Tsinghua University	31/05/2019	3808786	19819330.2	
3808921	Unilin, BV	18/12/2014	3808921	20211085.4	
3809112	SYSMEX CORPORATION	14/10/2020	3809112	20201743.0	
3809402	Samsung Display Co., Ltd.	30/06/2020	3809402	20183312.6	
3809641	Juniper Networks, Inc.	16/06/2020	3809641	20180136.2	
3809714	Sonarworks SIA	25/02/2015	3809714	20212060.6	
3809766	HUAWEI TECHNOLOGIES CO., LTD.	16/07/2019	3809766	19838743.3	

3809779	Huawei Technologies Co., Ltd.	04/07/2019	3809779	19848112.9	
3810022	C. R. Bard, Inc.	19/06/2019	3810022	19823261.3	
3810046	Smith&Nephew, Inc. Smith & Nephew Orthopaedics AG Smith & Nephew Asia Pacific Pte. Limited	12/06/2019	3810046	19734605.9	
3811655	ORANGE	21/06/2019	3811655	19742873.3	French
3811761	CNH Industrial Belgium N.V.	23/10/2020	3811761	20203571.3	
3812442	DAIKIN INDUSTRIES, LTD.	21/06/2019	3812442	19822496.6	
3812967	Beijing Jingdong Shangke Information Technology Co., Ltd. Beijing Jingdong Century Trading Co., Ltd.	30/04/2019	3812967	19823347.0	
3814135	PFNonwovens Holding s.r.o. PFNonwovens LLC	17/05/2019	3814135	19804417.4	
3814202	Trailer Safe Global Pty Ltd	17/07/2019	3814202	19838676.5	
3814969	Nordic Semiconductor ASA	26/06/2019	3814969	19733773.6	
3817461	HUAWEI TECHNOLOGIES CO., LTD.	09/07/2019	3817461	19834452.5	
3818180	Université de Caen Normandie INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM) Centre Regional Francois Baclesse Université Grenoble Alpes	04/07/2019	3818180	19734435.1	
3819001	Hill-Rom Services PTE. LTD.	05/11/2020	3819001	20205983.8	
3819271	Nakajima Glass Co., Inc.	05/07/2018	3819271	18925217.4	
3819323	Evonik Operations GmbH	07/11/2019	3819323	19207810.3	German
3819406	NIPPON STEEL CORPORATION	05/07/2019	3819406	19830900.7	
3819427	Japan Tobacco Inc.	02/07/2018	3819427	18925369.3	
3820046	Hitachi, Ltd.	23/10/2020	3820046	20203514.3	
3820084	HUAWEI TECHNOLOGIES CO., LTD.	04/07/2019	3820084	19845147.8	
3820382	Paragon 28, Inc.	11/07/2019	3820382	19834848.4	
3820823	Vermeer Manufacturing Company	18/07/2018	3820823	18926080.5	
3821033	HiFiBiO SAS	12/07/2019	3821033	19748749.9	
3821043	BASF SE	09/07/2019	3821043	19737735.1	
3821231	Spectralys Innovation	12/07/2019	3821231	19740539.2	French
3821421	Trackman A/S	25/11/2019	3821421	19813160.9	
3821838	Biosense Webster (Israel) Ltd.	11/11/2020	3821838	20206844.1	
3822296	Menicon Co., Ltd.	21/02/2020	3822296	20762347.1	
3822757	HUAWEI TECHNOLOGIES CO., LTD.	30/07/2014	3822757	20198875.5	
3823062	BYD Company Limited	10/07/2019	3823062	19833625.7	
3823297	ZTE Corporation	01/07/2019	3823297	19833872.5	
3823338	HUAWEI TECHNOLOGIES CO., LTD.	13/11/2020	3823338	20207648.5	
3823350	Samsung Electronics Co., Ltd.	20/03/2015	3823350	20195137.3	
3823364	Vivo Mobile Communication Co., Ltd.	03/07/2019	3823364	19833042.5	
3823430	Lemken GmbH & Co KG	11/07/2019	3823430	19745967.0	German
3824023	3M Innovative Properties Company	11/07/2019	3824023	19755701.0	
3824039	SIKA TECHNOLOGY AG	18/07/2019	3824039	19739657.5	
3824389	ORANGE	02/07/2019	3824389	19753139.5	French
3824861	Liko Research & Development AB	16/11/2020	3824861	20207830.9	
3825236	Airbus SAS	02/11/2020	3825236	20205221.3	French

3825291	Panasonic Intellectual Property Management Co., Ltd.	19/06/2019	3825291	19838295.4	
3826011	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	21/07/2015	3826011	21152041.6	
3826177	Mitsubishi Electric Corporation	10/08/2018	3826177	18929095.0	
3826462	Woodstream Corporation	24/07/2019	3826462	19840939.3	
3826521	Illinois Tool Works Inc.	23/07/2019	3826521	19749945.2	
3826538	Fondazione IRCCS Istituto Nazionale dei Tumori	18/07/2019	3826538	19762214.5	
3826575	3D SMILE USA, INC	04/12/2019	3826575	19934345.0	
3827143	L2U Group Pty Ltd	24/07/2019	3827143	19841267.8	
3827757	Covidien LP	25/11/2020	3827757	20209845.5	
3828251	SEKISUI CHEMICAL CO., LTD.	24/06/2019	3828251	19839911.5	
3830305	LPW Technology Ltd	02/08/2019	3830305	19758450.1	
3830753	Renault s.a.s	30/07/2019	3830753	19765289.4	French
3830838	University of Miami	29/07/2019	3830838	19841394.0	
3830845	CommScope Technologies LLC	29/06/2019	3830845	19752573.6	
3830958	HUAWEI TECHNOLOGIES CO., LTD.	27/07/2019	3830958	19843109.0	
3831379	CONARIS research institute AG	14/06/2013	3831379	20214819.3	
3831629	Renault s.a.s	17/11/2020	3831629	20207941.4	French
3832402	Tissot S.A.	06/12/2019	3832402	19214190.1	French
3832642	Sony Group Corporation	08/05/2019	3832642	19845437.3	
3833003	TOYOTA JIDOSHA KABUSHIKI KAISHA	06/11/2018	3833003	21151546.5	
3835692	LG Electronics Inc.	30/10/2020	3835692	20204907.8	
3836371	Askoll Holding S.r.l. a socio unico	05/12/2018	3836371	21156377.0	
3836531	Ningbo Sunny Opotech Co., Ltd.	10/07/2019	3836531	19849568.1	
3837133	Audi AG	17/06/2019	3837133	19732573.1	German
3837196	Bausch + Ströbel SE + Co. KG	01/08/2019	3837196	19750105.9	German
3839234	Pratt & Whitney Canada Corp.	17/12/2020	3839234	20215203.9	
3839576	Siemens Healthineers AG	18/12/2019	3839576	19217562.8	German
3840630	NuVera Medical, Inc.	23/08/2019	3840630	19850959.8	
3841235	The LYCRA Company UK Limited	19/08/2019	3841235	19763136.9	
3841780	Cisco Technology, Inc.	16/08/2019	3841780	19765353.8	
3842607	Huf Hülsbeck & Fürst GmbH & Co. KG	18/12/2020	3842607	20215487.8	German
3842743	Y. E. Hub Armenia LLC	24/09/2020	3842743	20197972.1	
3843039	Biosense Webster (Israel) Ltd.	24/12/2020	3843039	20217185.6	
3843124	Samsung Electronics Co., Ltd.	10/07/2020	3843124	20185187.0	
3844102	Eurolasma	26/08/2019	3844102	19779059.5	French
3844249	Shell Internationale Research Maatschappij B.V.	28/08/2019	3844249	19759387.4	
3844668	ADVANCED NEW TECHNOLOGIES CO., LTD.	29/08/2019	3844668	19768961.5	
3844675	ADVANCED NEW TECHNOLOGIES CO., LTD.	30/08/2019	3844675	19769317.9	
3845112	Foshan Shunde Midea Washing Appliances Manufacturing Co., Ltd. Midea Group Co., Ltd.	01/07/2019	3845112	19856284.5	
3845169	Ethicon LLC	29/12/2020	3845169	20217650.9	
3845984	Schneider Electric Systems USA, Inc.	14/12/2020	3845984	20213710.5	
3846294	Aptiv Technologies AG	02/01/2020	3846294	20150115.2	
3846337	Solaredge Technologies Ltd.	23/12/2020	3846337	20217028.8	
3848024	Professional Dietetics S.p.A.	21/12/2020	3848024	20216177.4	
3848887	Advanced New Technologies Co., Ltd.	02/08/2019	3848887	19858087.0	
3849033	Schneider Electric Industries SAS	07/01/2021	3849033	21150519.3	French

3849379	No Rock Cafe Tables Pty Ltd	10/09/2019	3849379	19860471.2	
3851401	Opti-Run GmbH	12/01/2021	3851401	21401001.9	German
3851621	Gebr. Willach GmbH	24/11/2020	3851621	20209433.0	German
3851704	Gripple Limited	15/01/2018	3851704	21154737.7	
3851716	SISTO Armaturen S.A.	18/01/2021	3851716	21152006.9	German
3851841	LG Energy Solution, Ltd.	06/10/2020	3851841	20873373.3	
3852006	Hexagon Technology Center GmbH	20/01/2020	3852006	20152757.9	
3852233	Solaredge Technologies Ltd.	15/01/2021	3852233	21151834.5	
3852376	Wangsu Science & Technology Co., Ltd.	02/11/2018	3852376	18934311.4	
3852617	SFJ Pharma X, Inc.	20/09/2019	3852617	19863329.9	
3852992	Toncelli, Luca	17/09/2019	3852992	19784140.6	
3853734	Microsoft Technology Licensing, LLC	26/06/2019	3853734	19740155.7	
3855387	Zhejiang Uniview Technologies Co., Ltd.	18/09/2018	3855387	18934093.8	
3855420	Samsung Display Co., Ltd.	28/06/2019	3855420	19863037.8	
3855687	Juniper Networks, Inc.	18/01/2021	3855687	21152094.5	
3855885	CNH Industrial Italia S.p.A.	27/09/2019	3855885	19778989.4	
3856099	New World Medical, Inc.	20/09/2019	3856099	19864476.7	
3856357	Colgate-Palmolive Company	02/11/2018	3856357	18804867.2	
3856811	Dow Global Technologies LLC	17/09/2019	3856811	19780074.1	
3857235	Navrogen, Inc.	18/09/2019	3857235	19865808.0	
3857330	Google LLC	27/09/2019	3857330	19790360.2	
3857340	Apple Inc.	13/09/2019	3857340	19782816.3	
3857474	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	19/09/2019	3857474	19778448.1	German
3857689	Valeo eAutomotive Germany GmbH	20/09/2019	3857689	19774081.4	German
3857992	Lenovo (Singapore) Pte. Ltd.	25/09/2019	3857992	19813126.0	
3857997	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	23/09/2019	3857997	19865681.1	
3858942	Dexerials Corporation	23/08/2019	3858942	19864936.0	
3859106	ELBI International S.p.A.	13/01/2021	3859106	21151273.6	
3859814	A.F.W. Co., Ltd.	10/06/2020	3859814	20179396.5	
3860613	The Board of Trustees of the Leland Stanford Junior University	01/10/2019	3860613	19869113.1	
3862096	GEA Mechanical Equipment GmbH	26/05/2015	3862096	21164482.8	German
3862579	Magna Electronics Sweden AB	10/02/2020	3862579	20156340.0	
3862620	Lumileds LLC	04/02/2020	3862620	20155269.2	
3862726	Thinkware Systems Corporation	29/06/2008	3862726	21163629.5	
3862762	Fluke Corporation	05/02/2021	3862762	21155537.0	
3862994	TOYOTA JIDOSHA KABUSHIKI KAISHA	05/01/2021	3862994	21150217.4	
3863252	Wangsu Science & Technology Co., Ltd.	30/10/2018	3863252	18936861.6	
3863730	3M Innovative Properties Company	07/10/2019	3863730	19871331.5	
3864842	Huawei Technologies Co. Ltd.	06/11/2019	3864842	19883322.0	
3864882	Nokia Technologies Oy	11/10/2018	3864882	18786283.4	
3865416	SAINT-GOBAIN ISOVER	11/02/2021	3865416	21156675.7	
3865743	Crane ChemPharma & Energy Corp.	12/02/2021	3865743	21156814.2	
3865744	Crane ChemPharma & Energy Corp.	12/02/2021	3865744	21156815.9	
3866045	Robert Bosch GmbH	14/02/2020	3866045	20157479.5	
3866313	Jatco Ltd.	05/02/2021	3866313	21155402.7	
3866365	Robert Bosch GmbH	14/02/2020	3866365	20157400.1	
3866527	ZTE Corporation	15/01/2019	3866527	19870992.5	
3867299	Evonik Operations GmbH	17/10/2019	3867299	19786804.5	German
3868669	IHI Corporation	05/07/2019	3868669	19874137.3	

3868865	Korea University Research and Business Foundation	20/01/2021	3868865	21152502.7	
3868930	Toray Industries, Inc.	30/01/2020	3868930	20747719.1	
3869840	Huawei Technologies Co., Ltd.	11/11/2019	3869840	19884915.0	
3870254	Sharps Technology, Inc.	24/10/2019	3870254	19877448.1	
3870639	Alma Mater Studiorum -Università di Bologna	10/10/2019	3870639	19798723.3	
3870918	E. & J. Gallo Winery	25/10/2019	3870918	19876047.2	
3871633	Align Technology, Inc.	30/01/2015	3871633	21169821.2	
3872050	SAINT-GOBAIN PLACO	25/02/2020	3872050	20305179.2	
3872614	Ricoh Company, Ltd.	10/02/2021	3872614	21156278.0	
3872786	Volkswagen Aktiengesellschaft	27/02/2020	3872786	20159758.0	
3872825	Yanmar Power Technology Co., Ltd.	24/09/2019	3872825	19876244.5	
3873029	ZTE Corporation	22/10/2019	3873029	19875109.1	
3873947	ExxonMobil Chemical Patents Inc.	30/10/2019	3873947	19808660.5	
3873951	ExxonMobil Chemical Patents Inc.	30/10/2019	3873951	19845843.2	
3874038	NBE-Therapeutics AG	04/11/2019	3874038	19797282.1	
3874547	BOE Technology Group Co., Ltd.	01/11/2018	3874547	18932323.1	
3874731	Flare Safety, Inc.	28/10/2019	3874731	19880384.3	
3875179	Mooser Handelsagentur GmbH	05/03/2021	3875179	21161144.7	German
3875808	NOK Corporation	24/10/2019	3875808	19868157.9	
3876012	Corning Optical Communications LLC	17/05/2017	3876012	21164616.1	
3876029	Samsung Display Co., Ltd.	01/03/2021	3876029	21160071.3	
3876097	FUJITSU LIMITED	18/12/2020	3876097	20215464.7	
3876241	Resonac Corporation	24/10/2019	3876241	19880330.6	
3876279	Samsung Display Co., Ltd.	20/01/2021	3876279	21152423.6	
3876711	EcoTech, LLC	07/11/2019	3876711	19836672.6	
3876722	Corteva Agriscience LLC	30/10/2019	3876722	19808658.9	
3877809	Qphox B.V.	04/11/2019	3877809	19805415.7	
3877824	Microsoft Technology Licensing, LLC	29/10/2019	3877824	19806075.8	
3877973	Google LLC	08/02/2019	3877973	19707226.7	
3879580	Samsung Display Co., Ltd.	04/03/2021	3879580	21160685.0	
3879888	Samsung Electronics Co., Ltd.	16/02/2021	3879888	21157372.0	
3879937	Tridonic GmbH & Co KG	11/03/2020	3879937	20162442.6	
3881025	Tomahawk Robotics, Inc.	31/12/2019	3881025	19906876.8	
3881566	Nokia Technologies Oy	08/11/2019	3881566	19883814.6	
3883739	NIKE Innovate C.V.	18/11/2019	3883739	19824417.0	
3885091	Röttinger, Jochen	15/03/2021	3885091	21162599.1	German
3885259	Rakuten Group, Inc.	15/11/2019	3885259	19952908.2	
3885324	L'Air Liquide, société anonyme pour l'Étude et l'Exploitation des procédés Georges Claude	19/03/2021	3885324	21163737.6	French
3886076	Aptiv Technologies AG	27/03/2020	3886076	20166435.6	
3887810	Hamilton Bonaduz AG	29/11/2019	3887810	19813306.8	German
3888641	Jazz Pharmaceuticals Research UK Limited	14/10/2015	3888641	21166413.1	
3889202	Mitsubishi Chemical Corporation	11/11/2019	3889202	19889688.8	
3889760	Ricoh Company, Ltd.	30/03/2021	3889760	21165934.7	
3889958	Moodagent A/S	31/03/2020	3889958	20167281.3	
3889961	Huawei Technologies Co., Ltd.	17/07/2019	3889961	19901440.8	
3889979	LG Innotek Co., Ltd.	27/11/2019	3889979	19891663.7	
3891158	Imperial College Innovations Limited	04/12/2019	3891158	19821163.3	
3891533	SEW-Eurodrive GmbH & Co	28/11/2019	3891533	19817151.4	German
3891763	Westinghouse Electric Company Llc	06/11/2019	3891763	19893862.3	
3891941	Bayerische Motoren Werke Aktiengesellschaft	05/12/2019	3891941	19816303.2	German
3893577	Sony Group Corporation	29/06/2017	3893577	21176965.8	

3893787	Howmedica Osteonics Corp.	11/12/2019	3893787	19832802.3	
3893934	SANOFI	10/12/2019	3893934	19816338.8	
3893992	breident medical GmbH & Co. KG	10/12/2019	3893992	19813888.5	
3894175	Anomatic Corporation	12/12/2019	3894175	19896477.7	
3895472	QUALCOMM Incorporated	06/12/2019	3895472	19894724.4	
3895999	Yamada, Kikuo	01/02/2019	3895999	19883842.7	
3896260	RTX Corporation	17/02/2021	3896260	21157573.3	
3896317	Ali Group S.r.l.	12/04/2021	3896317	21167780.2	
3896355	Samsung Electronics Co., Ltd.	10/01/2020	3896355	20741899.7	
3896699	Accenture Global Solutions Limited	18/02/2021	3896699	21157997.4	
3896719	STMicroelectronics S.r.l.	12/04/2021	3896719	21167866.9	
3897087	Fuji Corporation	11/12/2018	3897087	18943198.4	
3897303	United Aluminium Limited	18/12/2019	3897303	19839258.1	
3897401	CONMED Corporation	18/12/2019	3897401	19839548.5	
3897626	Mundipharma International Corporation Limited	18/12/2019	3897626	19835808.7	
3897753	ASP Global Manufacturing GmbH	18/12/2019	3897753	19836555.3	
3897761	BORZACCHIELLO, Assunta Messina, Francesco	19/12/2019	3897761	19839135.1	
3897780	Eli Lilly and Company	12/12/2019	3897780	19839463.7	
3898238	Tata Steel IJmuiden B.V.	17/12/2019	3898238	19818115.8	
3898933	Ohly GmbH	20/12/2019	3898933	19824349.5	
3899045	Hill's Pet Nutrition, Inc.	18/12/2019	3899045	19839059.3	
3899926	Google LLC	19/12/2019	3899926	19900182.7	
3900186	Siemens Aktiengesellschaft	17/02/2020	3900186	20706995.6	German
3900547	Nisshin Seifun Welna Inc.	18/12/2019	3900547	19900342.7	
3901089	Tokuyama Corporation	21/01/2020	3901089	20744334.2	
3901213	Mitsubishi Chemical Corporation	28/11/2016	3901213	21164217.8	
3901366	DIC Corporation	03/12/2019	3901366	19899761.1	
3901749	Samsung Display Co., Ltd.	16/04/2021	3901749	21169023.5	
3902204	ZTE Corporation	17/12/2019	3902204	19899770.2	
3902680	Landa Corporation Ltd.	19/12/2019	3902680	19904467.8	
3902746	Dow Global Technologies LLC	28/12/2018	3902746	18945333.5	
3903254	Locus Robotics Corp.	30/01/2020	3903254	20708378.3	
3903466	McAfee, LLC	19/12/2019	3903466	19902714.5	
3903594	Wilmar (shanghai) Biotechnology Research & Development Center Co., Ltd.	27/12/2019	3903594	19904868.7	
3903894	Panasonic Intellectual Property Management Co., Ltd.	27/12/2019	3903894	19903142.8	
3905328	Samsung Display Co., Ltd.	22/04/2021	3905328	21170001.8	
3905375	LG Energy Solution, Ltd.	12/05/2020	3905375	20818712.0	
3907110	Eberspächer Controls Landau GmbH & Co. KG	01/04/2021	3907110	21166502.1	German
3907427	Hasco Vision Technology Co., Ltd.	25/02/2020	3907427	20763407.2	
3907891	BOE Technology Group Co., Ltd. Beijing BOE Technology Development Co., Ltd.	02/01/2019	3907891	19848925.4	
3908824	Becton, Dickinson and Company	10/01/2020	3908824	20738033.8	
3909355	QUALCOMM Incorporated	11/01/2020	3909355	20704685.5	
3910103	Valmet Technologies Oy	23/04/2021	3910103	21170038.0	
3910208	Segway Technology Co., Ltd.	12/05/2021	3910208	21173610.3	
3910454	Société BIC	04/05/2020	3910454	21169985.5	
3910863	Samsung Electronics Co., Ltd.	22/04/2021	3910863	21170010.9	
3911302	Georgia Tech Research Corporation	15/01/2020	3911302	20704732.5	
3911538	Ilker, Ayhan	13/01/2020	3911538	20742012.6	

3912038	Microsoft Technology Licensing, LLC	06/02/2020	3912038	20709089.5	
3912054	ServiceNow, Inc.	16/01/2020	3912054	20707879.1	
3912377	ZTE Corporation	15/01/2019	3912377	19910006.6	
3913462	Samsung Display Co., Ltd.	29/04/2021	3913462	21171213.8	
3913892	Tencent Technology (Shenzhen) Company Limited	10/12/2019	3913892	19910698.0	
3914084	Viscofan, S.A.	21/04/2020	3914084	20718696.6	
3914152	Otsuka Pharmaceutical Co., Ltd.	24/01/2020	3914152	20704617.8	
3915272	Gracenote Inc.	24/01/2020	3915272	20744793.9	
3915273	Gracenote Inc.	24/01/2020	3915273	20745591.6	
3915505	Mako Surgical Corp.	29/05/2019	3915505	21185161.3	
3915508	Baxter Medical Systems GmbH + Co. KG	29/05/2020	3915508	20177500.4	
3915565	XORTX Therapeutics Inc.	17/03/2014	3915565	21174259.8	
3915996	Universal Display Corporation	04/05/2016	3915996	21183696.0	
3917673	Life Technologies Holdings Pte Limited	30/01/2020	3917673	20708918.6	
3917682	Life Technologies Corporation				
3917682	APTAR France SAS	29/01/2020	3917682	20707500.3	French
3918417	Zhejiang Dahua Technology Co., Ltd.	31/10/2019	3918417	19924679.4	
3918446	Valeo Comfort and Driving Assistance	30/01/2020	3918446	20701640.3	French
3919345	Progress Rail Signaling S.p.A.	05/06/2020	3919345	20425040.1	
3919496	Novostar Pharmaceuticals, Ltd.	04/12/2019	3919496	19913230.9	
3919899	Gree Electric Appliances, Inc. of Zhuhai	18/12/2019	3919899	19933546.4	
3919956	Carl Zeiss Microscopy GmbH	07/05/2021	3919956	21172733.4	German
3920898	The Brigham & Women's Hospital, Inc.	07/02/2020	3920898	20752195.6	
3921223	Xfloat Ltd.	05/02/2020	3921223	20752331.7	
3921521	PHINIA Delphi Luxembourg SARL	31/01/2020	3921521	20703205.3	
3921825	Barco N.V.	06/02/2020	3921825	20706393.4	
3922203	Globus Medical, Inc.	07/06/2021	3922203	21177921.0	
3923213	Hitachi Energy Ltd	08/06/2020	3923213	20178840.3	
3923555	Samsung Electronics Co., Ltd.	16/04/2020	3923555	21189966.1	
3923717	Agrorobotica S.r.l.	06/02/2020	3923717	20703303.6	
3924081	Omphax SA	11/02/2020	3924081	20712402.5	
3924175	SAFRAN	31/01/2020	3924175	20708160.5	French
	SAFRAN AIRCRAFT ENGINES				
3924265	WestRock Packaging Systems, LLC	06/02/2020	3924265	20709910.2	
3924282	Landa Corporation Ltd.	22/03/2020	3924282	20784687.4	
3924626	ATLAS COPCO AIRPOWER,	04/02/2020	3924626	20704091.6	
	naamloze vennootschap				
3924910	BSH Hausgeräte GmbH	30/01/2020	3924910	20703002.4	German
3925323	TELEFONAKTIEBOLAGET LM	13/02/2020	3925323	20707865.0	
	ERICSSON (PUBL)				
3925338	Sony Group Corporation	12/02/2020	3925338	20703479.4	
3925393	Telefonaktiebolaget LM Ericsson (publ)	14/02/2020	3925393	20709500.1	
3925460	KT&G Corporation	08/03/2021	3925460	21736239.1	
3927184	Ohly GmbH	18/02/2020	3927184	20705957.7	
3927239	Argospect Technologies Inc.	18/02/2020	3927239	20758637.1	
3928427	Litespeed Energy, Inc.	04/03/2020	3928427	20766274.3	
3929359	Aqustix GbR	26/06/2020	3929359	20182686.4	
3929731	INTEL Corporation	18/11/2020	3929731	20208288.9	
3930043	Asahi Kasei Kabushiki Kaisha	16/03/2018	3930043	21190745.6	
3930183	LS Electric Co., Ltd.	11/07/2019	3930183	19916289.2	
3930398	HUAWEI TECHNOLOGIES CO., LTD.	13/03/2020	3930398	20774156.2	
3930608	Warsaw Orthopedic, Inc.	17/10/2019	3930608	19917301.4	
3930716	Scynexis, Inc.	25/02/2020	3930716	20714386.8	

3930866	Cytiva Sweden AB	24/02/2020	3930866	20706506.1	
3931158	Corning Incorporated	06/02/2020	3931158	20709097.8	
3931540	Endress+Hauser SE+Co. KG	23/01/2020	3931540	20701749.2	German
3931607	Barco n.v.	08/03/2019	3931607	19714552.7	
3932010	Telefonaktiebolaget LM Ericsson (publ)	27/02/2019	3932010	19709815.5	
3932158	CLAAS Tractor S.A.S.	31/05/2021	3932158	21176826.2	German
3932221	Shenzhen Eigate Technology Co., Ltd.	24/12/2020	3932221	20217281.3	
3932464	C. R. Bard, Inc.	18/05/2011	3932464	21192999.7	
3932706	Thermo King LLC	30/06/2021	3932706	21182906.4	
3933146	Siemens Gamesa Renewable Energy A/S	01/07/2020	3933146	20183436.3	
3933474	Sony Group Corporation	05/02/2020	3933474	20779101.3	
3933585	Samsung Electronics Co., Ltd.	07/01/2020	3933585	20769450.6	
3934238	LG Electronics Inc.	22/09/2015	3934238	21193875.8	
3934581	Medtronic, Inc.	04/03/2020	3934581	20714445.2	
3935027	Solventum Intellectual Properties Company	02/03/2020	3935027	20710619.6	
3935566	DeepMind Technologies Limited	05/05/2020	3935566	20725123.2	
3935625	Whelen Engineering Company, Inc.	07/03/2019	3935625	19713258.2	
3936100	Ontex BV	07/07/2020	3936100	20184374.5	
	Ontex Group NV				
3936394	Sony Group Corporation	17/05/2016	3936394	21194053.1	
3936655	ELECTROLUX APPLIANCES AKTIEBOLAG	10/07/2020	3936655	20185373.6	
3937425	Juniper Networks, Inc.	29/09/2020	3937425	20199034.8	
3937647	Pastificio Rana S.p.A.	13/03/2020	3937647	20718368.2	
3937804	malipano GmbH	08/04/2020	3937804	20719372.3	German
	hecht international GmbH				
3938077	Novilux, LLC	12/03/2020	3938077	20770261.4	
3938416	Covestro LLC	12/03/2020	3938416	20717450.9	
3938823	LiGenTec SA	13/03/2020	3938823	20711168.3	
3938959	Avery Dennison Retail Information Services LLC	12/03/2020	3938959	20717051.5	
3939503	THEA-Devices GmbH	18/03/2019	3939503	19919259.2	
3939940	Eckelberry, Nicholas	15/07/2020	3939940	20186019.4	
3940024	NAN YA PLASTICS CORPORATION	29/03/2021	3940024	21165548.5	
3940126	Pafasystem S.r.l.	14/07/2021	3940126	21185672.9	
3940524	Ricoh Company, Ltd.	15/07/2021	3940524	21185842.8	
3940577	Dassault Systèmes	15/07/2020	3940577	20305818.5	
3940661	Analog Devices, Inc.	13/12/2018	3940661	21178744.5	
3940720	Fujian Golden Dragon Rare-Earth Co., Ltd.	22/07/2020	3940720	20846773.8	
3941157	ABP Induction Systems GmbH	15/07/2020	3941157	20000253.3	German
	Primetals Technologies Austria GmbH				
3941361	Evalve, Inc.	22/05/2020	3941361	20732393.2	
3942907	Cisco Technology, Inc.	16/03/2020	3942907	20718917.6	
3943225	Hi-Tak Co., Ltd.	17/03/2020	3943225	20924991.1	
3943241	Karl Heesemann Maschinenfabrik GmbH & Co. KG	21/07/2021	3943241	21187042.3	German
3943245	Beijing Soft Robot Tech. Co., Ltd.	10/04/2020	3943245	20795427.2	
3943282	ESSILOR INTERNATIONAL	24/07/2020	3943282	20305855.7	
3943471	MITSUBISHI GAS CHEMICAL COMPANY, INC.	19/03/2020	3943471	20779346.4	
3943922	NEC CORPORATION	19/03/2019	3943922	19920191.4	
3944066	CANON KABUSHIKI KAISHA	21/07/2021	3944066	21186855.9	
3945357	CANON KABUSHIKI KAISHA	23/07/2021	3945357	21187421.9	

3945409	CANON KABUSHIKI KAISHA	23/07/2021	3945409	21187438.3	
3945672	NXP USA, Inc.	31/07/2020	3945672	20188823.7	
3946656	Valve Corporation	07/05/2020	3946656	20802925.6	
3946802	EuWe Eugen Wexler Holding GmbH & Co. KG	02/04/2019	3946802	19716116.9	
3947071	HL Mando Corporation	27/03/2020	3947071	20785329.2	
3947097	MATE GmbH	02/04/2020	3947097	20718523.2	German
3947133	Acery France SAS	19/03/2020	3947133	20730478.3	
3947556	Dow Global Technologies LLC	26/03/2020	3947556	20718120.7	
3947780	Topsoe A/S	31/03/2020	3947780	20715871.8	
3949310	Ypsomed AG	04/03/2020	3949310	20707114.3	German
3949561	Telefonaktiebolaget LM ERICSSON (PUBL)	27/03/2020	3949561	20718380.7	
3949857	Abbott Diabetes Care, Inc.	14/03/2014	3949857	21177068.0	
3951062	Sumitomo Construction Machinery Co., Ltd.	24/03/2020	3951062	20783985.3	
3951156	The Boeing Company	30/09/2019	3951156	21198699.7	
3951336	P&K Skin Research Center	24/03/2020	3951336	20782013.5	
3951632	Vayo (Shanghai) Technology Co., Ltd.	22/04/2020	3951632	20810778.9	
3951849	Sony Semiconductor Solutions Corporation	07/02/2020	3951849	20782788.2	
3951962	Mitsui Mining & Smelting Co., Ltd.	16/03/2020	3951962	20784642.9	
3952831	Henkel AG & Co. KGaA	10/02/2020	3952831	20705321.6	German
3952832	Henkel AG & Co. KGaA	10/02/2020	3952832	20705319.0	German
3952971	Phagenesis Limited	09/04/2020	3952971	20719710.4	
3953039	Stemcell Technologies Canada Inc.	06/04/2020	3953039	20722820.6	
3953602	DANTO Invention GmbH & Co. KG Rheinmetall Invent GmbH	30/01/2020	3953602	20704211.0	German
3953613	Sew-Eurodrive GmbH & Co. KG	11/03/2020	3953613	20711791.2	German
3954082	Roider, Oliver Roider, Nicolai	06/04/2020	3954082	20717832.8	German
3955039	Google LLC	05/05/2021	3955039	21172212.9	
3955160	Robert Bosch GmbH	22/07/2021	3955160	21187102.5	
3955298	Samsung Display Co., Ltd.	21/04/2021	3955298	21169558.0	
3955477	SubCom, LLC	20/04/2021	3955477	21169486.4	
3955543	Samsung Electronics Co., Ltd.	08/05/2020	3955543	20806284.4	
3956577	Liebherr-Components Biberach GmbH	25/05/2020	3956577	20728031.4	German
3957077	Zhejiang Dahua Technology Co., Ltd.	17/02/2020	3957077	20844298.8	
3957300	FBC (Shanghai) Pharmaceutical Technology Co., Ltd. Kewpie Corporation	02/04/2020	3957300	20791862.4	
3957523	BYD Company Limited	31/03/2020	3957523	20790839.3	
3957524	STILL GmbH	28/07/2021	3957524	21188169.3	German
3957631	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.	20/04/2020	3957631	20790646.2	
3957802	Scherzer Umwelttechnik GmbH	13/08/2021	3957802	21191187.0	German
3958107	Huawei Technologies Co., Ltd.	07/10/2020	3958107	20933906.8	
3958172	Sumitomo Life Welfare And Culture Foundation ARKRAY, Inc.	06/11/2019	3958172	21198954.6	
3958218	Robert Bosch GmbH	29/07/2021	3958218	21188368.1	
3958838	Amphastar Pharmaceuticals, Inc.	20/04/2020	3958838	20724361.9	
3959093	Inteva Products, LLC	27/04/2020	3959093	20794540.3	
3960444	Nitto Denko Corporation	22/04/2020	3960444	20795555.0	
3960649	Specialized Bicycle Components, Inc.	23/08/2021	3960649	21192666.2	

3961830	Changechun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences	14/04/2021	3961830	21168265.3	
3961981	Huawei Technologies Co., Ltd.	27/05/2020	3961981	20825902.8	
3962353	Medtronic, Inc.	25/03/2020	3962353	20719081.0	
3963159	SCHÜCO International KG	29/04/2020	3963159	20724016.9	German
3963528	Microsoft Technology Licensing, LLC	23/04/2020	3963528	20725355.0	
3963692	Robert Bosch GmbH	02/04/2020	3963692	20716775.0	German
3963788	Panasonic Intellectual Property Corporation of America	20/02/2020	3963788	20705086.5	
3963831	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	31/03/2020	3963831	20716740.4	
3963859	Microsoft Technology Licensing, LLC	27/04/2020	3963859	20727442.4	
3963984	Nokia Technologies Oy	30/04/2020	3963984	20723375.0	
3965634	Boston Scientific Scimed, Inc.	06/05/2020	3965634	20728336.7	
3966006	KEENCUT LIMITED	07/02/2020	3966006	20708547.3	
3966041	Bundesdruckerei GmbH	29/06/2020	3966041	20735387.1	German
3966804	Google LLC	22/04/2020	3966804	20728579.2	
3966813	Microsoft Technology Licensing, LLC	24/03/2020	3966813	20719873.0	
3967896	NOK Corporation	20/04/2020	3967896	20802340.8	
3967923	Hamamatsu Photonics K.K.	20/02/2019	3967923	21206368.9	
3968730	Datang Mobile Communications Equipment Co., Ltd.	31/03/2020	3968730	20805748.9	
3969661	Siut GmbH	14/05/2020	3969661	20732483.1	German
3970019	Microsoft Technology Licensing, LLC	07/04/2020	3970019	20722830.5	
3970604	Virtual Incision Corporation	14/03/2014	3970604	21203574.5	
3970782	Piedmont Medsystems (Zhuhai) Co., Ltd.	14/11/2019	3970782	19931574.8	
3972347	Comcast Cable Communications, LLC	07/12/2018	3972347	21204548.8	
3972509	St. Jude Medical, Cardiology Division, Inc.	31/07/2020	3972509	20753809.1	
3972833	Neyses, Benedikt Matthias	18/05/2020	3972833	20727949.8	
3973903	Biosense Webster (Israel) Ltd.	21/09/2021	3973903	21197900.0	
3974068	Nippon Paint Automotive Coatings Co., Ltd.	19/05/2020	3974068	20810582.5	
3974555	Institute of Research of Iron & Steel, Jiangsu Province/Sha-Steel, Co., Ltd. Zhangjiagang Hongchang Steel Plate Co., Ltd. Jiangsu Shagang Group Co., Ltd.	22/07/2019	3974555	19929629.4	
3974615	Metal Tool Inc.	13/05/2020	3974615	20808910.2	
3974830	Beijing Nanopep Biotech Corporation, Ltd.	19/05/2020	3974830	20810007.3	
3974879	SK microworks solutions Co., Ltd.	24/06/2021	3974879	21181562.6	
3974881	Google LLC	09/02/2021	3974881	21156137.8	
3975257	Samsung Electronics Co., Ltd.	29/05/2020	3975257	20814800.7	
3975486	Sanechips Technology Co., Ltd.	24/07/2020	3975486	20843511.5	
3975715	AGCO International GmbH	26/05/2020	3975715	20729676.5	
3976726	Magic Leap, Inc.	27/05/2020	3976726	20813867.7	
3977669	Giesecke+Devrient Mobile Security Germany GmbH	19/05/2020	3977669	20728672.5	German
3978336	Great Wall Motor Company Limited	09/07/2020	3978336	20836570.0	
3978716	Rottler und Rüdiger und Partner GmbH	01/10/2020	3978716	20199675.8	German
3979191	NEC Corporation	28/05/2019	3979191	19931205.9	
3979447	Airbus Operations SAS	13/09/2021	3979447	21196417.6	French
3980109	Loumedic GmbH	05/06/2020	3980109	20733213.1	German

3980516	Dow Global Technologies LLC	26/05/2020	3980516	20730956.8	
3980850	Continental Automotive Technologies GmbH	02/06/2020	3980850	20730251.4	German
3981817	Evonik Operations GmbH	12/10/2020	3981817	20201282.9	German
3982410	Sony Semiconductor Solutions Corporation	25/05/2020	3982410	20818462.2	
3982772	KT&G Corporation	06/10/2020	3982772	20874543.0	
3982846	Cohere Medical, Inc.	05/06/2020	3982846	20735240.2	
3983039	Fisher & Paykel Healthcare Limited	12/06/2020	3983039	20821910.5	
3983252	VOLKSWAGEN AKTIENGESELLSCHAFT	14/07/2020	3983252	20742219.7	German
3983994	Istituto Nazionale di Fisica Nucleare	11/06/2020	3983994	20732327.0	
3984416	Bruno Conzanet Conseil	13/10/2021	3984416	21202471.5	French
3984692	PASCAL ENGINEERING CORPORATION	12/06/2020	3984692	20821608.5	
3985464	DMG Mori Co., Ltd.	19/01/2021	3985464	21754641.5	
3986073	Beijing Xiaomi Mobile Software Co., Ltd.	17/06/2019	3986073	19933490.5	
3986296	Koninklijke Philips N.V. Philips Image Guided Therapy Corporation	11/06/2020	3986296	20732567.1	
3986576	Lewis, Leo Nelson Jr.	19/06/2020	3986576	20826251.9	
3987007	Politecnico di Milano	19/06/2020	3987007	20737288.9	
3987462	Psiquantum, Corp.	22/06/2020	3987462	20826691.6	
3988908	Hamamatsu Photonics K.K.	29/11/2019	3988908	19896810.9	
3989499	Huawei Technologies Co., Ltd.	03/07/2020	3989499	20840155.4	
3989621	Huawei Technologies Co., Ltd.	07/07/2020	3989621	20836463.8	
3989656	NTT DOCOMO, INC.	21/06/2019	3989656	19934011.8	
3990749	Siemens Energy, Inc.	13/11/2019	3990749	19817041.7	
3990913	Arugga A.I Farming Ltd	30/06/2020	3990913	20837779.6	
3991294	Dolby Laboratories Licensing Corporation	25/06/2020	3991294	20742549.7	
3991303	Microsoft Technology Licensing, LLC	11/05/2020	3991303	20728649.3	
3992040	Cummins, Inc.	22/09/2021	3992040	21198356.4	
3992445	Andreas Stihl AG & Co. KG	02/11/2020	3992445	20205168.6	German
3992634	Hitachi High-Tech Corporation	09/03/2020	3992634	20831954.1	
3992693	Huawei Technologies Co., Ltd.	16/07/2020	3992693	20846136.8	
3992787	Huawei Technologies Co., Ltd.	30/07/2020	3992787	20846803.3	
3993281	Huawei Technologies Co., Ltd.	13/07/2020	3993281	20841315.3	
3993286	Juniper Networks, Inc.	01/02/2021	3993286	21154617.1	
3993972	Spectrum Brands, Inc.	01/07/2020	3993972	20835428.2	
3994017	VALEO SYSTEMES THERMIQUES	30/06/2020	3994017	20746256.5	French
3994034	Jaguar Land Rover Limited	03/07/2020	3994034	20739593.0	
3994101	Blue Whale Ocean Filtration LLC	03/07/2020	3994101	20834361.6	
3994505	Huawei Technologies Co., Ltd.	31/07/2019	3994505	19753272.4	
3994597	Beyond Semiconductor d.o.o.	03/07/2020	3994597	20737589.0	
3994790	Schaeffler ELMOTEC STATOMAT GmbH	02/07/2020	3994790	20737122.0	German
3995154	TOKYO MEDICAL UNIVERSITY	03/07/2020	3995154	20836641.9	
3995173	Greatbatch Ltd.	08/11/2021	3995173	21206936.3	
3995806	Carrier Corporation	05/11/2021	3995806	21206803.5	
3995868	odelo GmbH	04/11/2020	3995868	20205735.2	German
3996009	BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.	21/09/2021	3996009	21197920.8	
3996144	CANON KABUSHIKI KAISHA	10/07/2020	3996144	21210833.6	
3996386	AUDIO-TECHNICA U.S., INC.	03/11/2021	3996386	21206291.3	
3996417	Huawei Technologies Co., Ltd.	20/07/2020	3996417	20845004.9	

3996606	Boston Scientific Scimed, Inc.	02/07/2020	3996606	20745414.1	
3997220	Carbios	10/07/2020	3997220	20736723.6	
3997599	Rhombus Systems	01/07/2020	3997599	20737579.1	
3997615	Versuni Holding B.V.	08/07/2020	3997615	20736710.3	
3997652	PepsiCo, Inc.	25/06/2020	3997652	20837415.7	
3998379	Boston Scientific Scimed, Inc.	26/01/2010	3998379	21216706.8	
3998875	BIO ON S.p.A.	09/07/2020	3998875	20744132.0	
3998930	Tusker Medical, Inc.	17/07/2020	3998930	20753579.0	
3999159	Medtronic, Inc.	14/07/2020	3999159	20747313.3	
3999367	Schaeffler Technologies AG & Co. KG	16/07/2020	3999367	20743640.3	German
3999561	Borealis GmbH	15/07/2020	3999561	20737486.9	
4000008	Banks and Acquirers International Holding	03/07/2020	4000008	20734991.1	French
4000011	VOLKSWAGEN AKTIENGESELLSCHAFT	14/07/2020	4000011	20740607.5	German
4000030	Capital One Services, LLC	09/07/2020	4000030	20751412.6	
4000117	Bloom Energy Corporation	15/07/2020	4000117	20840352.7	
4000936	Hand Held Products, Inc.	28/02/2018	4000936	22150192.7	
4001176	Liu, Suhua	20/07/2020	4001176	20840076.2	
4001233	SEKISUI CHEMICAL CO., LTD.	14/07/2020	4001233	20840749.4	
4001672	Balltec Limited	19/10/2016	4001672	22150784.1	
4004341	Herrenknecht AG	21/07/2020	4004341	20744020.7	German
4004674	Veridium IP Limited	22/07/2020	4004674	20843870.5	
4004793	VOLKSWAGEN AG	23/07/2020	4004793	20746605.3	German
4005150	JPMorgan Chase Bank, N.A.	27/07/2020	4005150	20845132.8	
4005192	Samsung Electronics Co., Ltd.	12/11/2020	4005192	20889238.0	
4005195	Vexcel Imaging GmbH	05/10/2020	4005195	20789902.2	German
4005352	Signify Holding B.V.	06/07/2020	4005352	20735223.8	
4005519	IUCF-HYU (INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY)	17/07/2020	4005519	20848499.8	
4005776	Fuji Corporation	31/07/2019	4005776	19939655.7	
4006082	Kuraray Co., Ltd.	27/07/2020	4006082	20846314.1	
4006261	Möller GmbH & Co. KG	22/11/2021	4006261	21209555.8	German
4006441	MITSUBISHI ELECTRIC CORPORATION	25/07/2019	4006441	19938495.9	
4006615	Leica Instruments (Singapore) Pte. Ltd.	30/11/2020	4006615	20210808.0	
4006883	LG Electronics Inc.	26/07/2019	4006883	19939321.6	
4007553	Atlantic Technological University	31/07/2020	4007553	20751464.7	
4007653	ExxonMobil Technology and Engineering Company	30/07/2020	4007653	20753851.3	
4007757	Sperogenix Therapeutics Limited	31/07/2020	4007757	20846890.0	
4008281	Globus Medical, Inc.	01/12/2021	4008281	21211591.9	
4008444	Universidade Do Porto Universidade De Aveiro	21/12/2020	4008444	20216239.2	
4008821	NIKE Innovate C.V.	31/05/2018	4008821	22152589.2	
4008895	General Electric Renovables España S.L.	03/12/2020	4008895	20383056.7	
4009283	Biosense Webster (Israel) Ltd	24/11/2021	4009283	21210115.8	
4009574	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	15/12/2017	4009574	22151228.8	
4009784	Bayer CropScience Schweiz AG	04/08/2020	4009784	20747000.6	German
4010537	New Pig Corporation	29/04/2020	4010537	20726651.1	
4010749	Google LLC	04/11/2020	4010749	20808610.8	

4011042	Liverson, Inc.	07/08/2020	4011042	20761040.3	
4011230	Hwang, Ya-Chang	16/06/2021	4011230	21179754.3	
4011946	Commissariat à l'Energie Atomique et aux Energies Alternatives SAFT	09/12/2021	4011946	21213526.3	French
4012626	IQM Finland Oy	08/12/2020	4012626	20212481.4	
4013011	Tencent Technology (Shenzhen) Company Limited	23/02/2021	4013011	21780931.8	
4013186	Tokyo Electron Limited	06/12/2021	4013186	21212461.4	
4013502	Cyclacel Limited	14/08/2020	4013502	20758301.4	
4013934	Reynaers Aluminium, naamloze vennootschap	24/09/2020	4013934	20786080.0	
4014052	Voyomotive, LLC	06/08/2020	4014052	20853098.0	
4014442	Microsoft Technology Licensing, LLC	15/06/2020	4014442	20737071.9	
4014746	Sollich KG	06/10/2021	4014746	21201237.1	German
4015910	Collins Engine Nozzles, Inc.	17/12/2021	4015910	21215655.8	
4016669	LG ENERGY SOLUTION, LTD.	21/07/2021	4016669	21847095.3	
4016689	LG ENERGY SOLUTION, LTD.	16/10/2020	4016689	20879203.6	
4016805	General Electric Renovables España S.L.	01/12/2021	4016805	21211718.8	
4016859	Nokia Technologies Oy	14/12/2021	4016859	21214308.5	
4016963	Vodafone Italia S.p.A. Scuola Superiore di Studi Universitari e Perfezionamento Sant'Anna	15/12/2021	4016963	21214695.5	
4017414	Alcon Inc.	21/08/2020	4017414	20764470.9	
4017559	Ypsomed AG	18/08/2020	4017559	20758169.5	German
4018150	Rheinmetall Waffe Munition GmbH	23/07/2020	4018150	20746602.0	German
4018619	Google LLC	28/10/2020	4018619	20808598.5	
4018703	Motorola Solutions, Inc.	24/07/2020	4018703	20757038.3	
4018800	Bourgault Industries Ltd.	30/08/2019	4018800	22158086.3	
4019152	Beijing Geekplus Technology Co., Ltd.	16/03/2020	4019152	20854469.2	
4019237	Bridgestone Bandag, LLC	30/11/2021	4019237	21211509.1	
4019333	MAZDA MOTOR CORPORATION	24/11/2021	4019333	21210127.3	
4019831	Hasco Vision Technology Co., Ltd.	30/10/2020	4019831	20892174.2	
4020003	NXP USA, Inc.	28/06/2021	4020003	21290043.5	
4020055	FUJIFILM Corporation	17/08/2020	4020055	20858757.6	
4020157	Ricoh Company, Ltd.	06/12/2021	4020157	21212557.9	
4020601	Hamamatsu Photonics K.K.	19/08/2020	4020601	20856455.9	
4021695	Dow Global Technologies LLC	26/08/2020	4021695	20768761.7	
4021817	Andocksysteme G. Untch GmbH	27/08/2020	4021817	20764623.3	German
4022450	Google LLC	30/11/2020	4022450	20825377.3	
4022922	Huawei Technologies Co., Ltd.	21/09/2020	4022922	20867105.7	
4023128	LG Electronics Inc.	02/06/2020	4023128	20856677.8	
4023510	Nio Technology (Anhui) Co., Ltd	03/01/2022	4023510	22150024.2	
4023643	Tarapeutics Science Inc.	14/08/2020	4023643	20858009.2	
4024687	Astemo, Ltd.	13/07/2020	4024687	20857303.0	
4025398	Airex AG	23/07/2020	4025398	20753295.3	German
4025427	Wacker Chemie AG	30/10/2019	4025427	19797658.2	German
4026040	SAHINKAYASI, HAMIDE SAHINKAYASI, YUNIS	26/02/2021	4026040	21774673.4	
4026063	VOLKSWAGEN AKTIENGESELLSCHAFT	29/07/2020	4026063	20747407.3	German
4027226	Huawei Technologies Co. Ltd.	28/07/2020	4027226	20871567.2	
4027525	Huawei Technologies Co., Ltd.	24/07/2020	4027525	20870487.4	
4027632	Sony Group Corporation	02/10/2019	4027632	19943874.8	

4028042	Etablissement Français du Sang INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE - INSERM Centre Hospitalier Régional Universitaire de Besançon Universite De Franche Comte	10/09/2020	4028042	20775210.6	French
4028224	Berhalter AG	10/09/2020	4028224	20774902.9	German
4028459	ICP Construction, Inc.	09/09/2020	4028459	20862320.7	
4028770	Universiteit Gent	10/09/2020	4028770	20767571.1	
4028934	Radicalid, Inc.	17/08/2020	4028934	20863670.4	
4029348	Lenovo (Singapore) Pte. Ltd.	15/07/2020	4029348	20754350.5	
4029701	Dai Nippon Printing Co., Ltd.	11/09/2020	4029701	20862360.3	
4029786	Rolls-Royce plc	20/12/2021	4029786	21215797.8	
4030485	Samsung Display Co., Ltd.	18/01/2022	4030485	22151917.6	
4030767	Panasonic Intellectual Property Corporation of America	17/11/2017	4030767	22161169.2	
4030823	Huawei Technologies Co., Ltd.	25/09/2020	4030823	20867920.9	
4030834	Huawei Technologies Co., Ltd.	25/09/2020	4030834	20882593.5	German
4032015	Private Identity LLC	16/09/2020	4032015	20865304.8	
4032401	Transmedics, Inc.	13/04/2012	4032401	22158928.6	
4032657	Kosmek Ltd.	13/08/2020	4032657	20864148.0	
4033244	M & C TechGroup Germany GmbH	25/01/2021	4033244	21153216.3	
4033253	Hitachi High-Tech Corporation	18/09/2020	4033253	20864733.9	
4033535	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	30/09/2019	4033535	19948199.5	
4033567	LG ENERGY SOLUTION, LTD.	29/09/2020	4033567	20871086.3	
4034002	Simplify Medical Pty Limited	23/09/2020	4034002	20868407.6	
4034610	Transitions Optical, Ltd.	27/09/2019	4034610	19782534.2	
4035143	Trackman A/S	19/01/2021	4035143	21701360.6	French
4035227	Omega Engineering, Inc.	05/12/2019	4035227	19947304.2	
4035585	FUJIFILM Corporation	17/09/2020	4035585	20868395.3	
4035937	Hitachi Construction Machinery Co., Ltd.	15/09/2020	4035937	20869786.2	
4036008	B/E Aerospace, Inc.	20/01/2022	4036008	22152435.8	
4036459	L'Air Liquide, société anonyme pour l'Étude et l'Exploitation des procédés Georges Claude	12/01/2022	4036459	22151105.8	
4036884	Analog Devices, Inc.	13/12/2018	4036884	22162254.1	
4037026	LG Energy Solution, Ltd.	12/11/2020	4037026	20888002.1	
4037278	PRIBIT Technology, Inc.	24/09/2020	4037278	20868932.3	
4037801	Tevet Water Technologies Ltd	29/09/2020	4037801	20871197.8	
4038267	Tula Technology, Inc. Cummins Inc.	07/10/2021	4038267	21878756.2	French
4038667	LG Display Co., Ltd. DuPont Specialty Materials Korea Ltd.	22/09/2020	4038667	20853610.2	
4038978	Sony Group Corporation	29/09/2020	4038978	20781529.1	
4039542	STANLEY ELECTRIC CO., LTD.	28/09/2020	4039542	20872567.1	
4039888	Hitachi Construction Machinery Co., Ltd.	28/09/2020	4039888	20872854.3	
4039892	Hitachi Construction Machinery Co., Ltd.	29/09/2020	4039892	20871610.0	
4040023	SMC Corporation	16/06/2020	4040023	20870762.0	
4040245	Siemens Aktiengesellschaft	09/02/2021	4040245	21156056.0	
4040400	Hitachi, Ltd.	26/11/2021	4040400	21210732.0	

4040420	Apollo Intelligent Connectivity (Beijing) Technology Co., Ltd.	14/06/2022	4040420	22178910.0	
4040945	Zaglacher, Andreas	07/10/2020	4040945	20807256.1	German
4041371	Liberate Medical, LLC	25/09/2020	4041371	20869393.7	
4041415	Ardent Limited	29/09/2020	4041415	20803232.6	
4041656	Evonik Operations GmbH	30/09/2020	4041656	20788727.4	German
4041976	REHAU Industries SE & Co. KG	07/10/2020	4041976	20792316.0	German
4042081	Linde GmbH	05/10/2020	4042081	20792290.7	German
4042493	WESTERN DIGITAL TECHNOLOGIES, INC.	19/05/2021	4042493	21833637.8	
4042603	Brightpoint North America L.P.	25/09/2020	4042603	20863371.9	
4043319	VOLKSWAGEN AG	02/02/2022	4043319	22154684.9	German
4043671	Sani-Marc Inc.	01/10/2021	4043671	21200399.0	
4043780	Deutsche Holzveredelung Schmeing GmbH & Co. KG	11/01/2022	4043780	22150870.8	German
4043813	Valeo Japan Co., Ltd.	06/10/2020	4043813	20873673.6	
4044275	LG Energy Solution, Ltd.	21/04/2021	4044275	21793350.6	
4045792	VESTAS WIND SYSTEMS A/S	14/09/2020	4045792	20774879.9	
4045892	Viavi Solutions Inc.	16/10/2020	4045892	20804109.5	
4046242	HARTING Electric Stiftung & Co. KG	16/10/2019	4046242	19949282.8	
4046295	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	16/10/2019	4046295	19790188.7	
4046446	QUALCOMM INCORPORATED	14/10/2020	4046446	20803366.2	
4046799	manroland Goss web systems GmbH	07/02/2022	4046799	22155341.5	German
4046906	Autel Robotics Co., Ltd.	21/10/2020	4046906	20878980.0	
4047030	Tokuyama Corporation	09/10/2020	4047030	20876755.8	
4047042	Teraloop OY	15/02/2022	4047042	22156826.4	
4047277	Sagemcom Energy & Telecom SAS	21/02/2022	4047277	22157751.3	French
4047621	Eaton Intelligent Power Limited	16/02/2022	4047621	22157143.3	
4047782	Watt & Well	22/02/2021	4047782	21158361.2	
4048606	Karl Knauer KG	22/10/2020	4048606	20797430.4	German
4048758	Saudi Arabian Oil Company	17/12/2020	4048758	20842457.2	
4049233	Carl Zeiss Microscopy GmbH	23/10/2020	4049233	20817595.0	
4049436	Microsoft Technology Licensing, LLC	16/10/2020	4049436	20803710.1	
4050302	Shining 3D Tech Co., Ltd.	26/10/2020	4050302	20878731.7	
4050574	MFTB Holdco, Inc.	18/01/2022	4050574	22152019.0	
4050606	Samsung Electronics Co., Ltd.	22/11/2021	4050606	21209508.7	
4050715	LG Energy Solution, Ltd.	27/05/2021	4050715	21817334.2	
4050843	Juniper Networks, Inc.	28/03/2019	4050843	22167208.2	
4050844	Palo Alto Networks, Inc.	12/06/2018	4050844	22167696.8	
4051358	Hollister Incorporated	27/10/2020	4051358	20811181.5	
4051546	ZF CV Systems Europe BV	05/10/2020	4051546	20790216.4	German
4051940	Tyco Fire Products LP	28/10/2020	4051940	20883296.4	
4052024	Degould Limited	22/09/2020	4052024	20780322.2	
4052330	European Space Agency	29/10/2019	4052330	19797644.2	
4052422	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	28/10/2019	4052422	19795192.4	
4052637	Samsung Electronics Co., Ltd.	09/11/2021	4052637	21207213.6	
4053160	Shanxi Jinbo Bio-Pharmaceutical Co., Ltd.	26/10/2020	4053160	20881368.3	
4053624	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	01/11/2019	4053624	19949544.1	
4053783	Huawei Technologies Co., Ltd.	17/11/2020	4053783	20891976.1	
4054228	HUAWEI TECHNOLOGIES CO., LTD.	03/12/2020	4054228	20897538.3	
4054291	Miele & Cie. KG	14/02/2022	4054291	22156515.3	German

4056068	NIKE Innovate C.V.	22/03/2018	4056068	22172142.6	
4056097	Hako GmbH	10/03/2021	4056097	21161832.7	German
4057513	Simmonds Precision Products, Inc.	03/03/2017	4057513	22171328.2	
4057729	Xiaomi Communications Co., Ltd.	08/11/2019	4057729	19951591.7	
4057854	NIKE Innovate C.V.	03/11/2020	4057854	20816689.2	
4058277	Dentsply Sirona Inc.	16/11/2020	4058277	20807737.0	
	Sirona Dental Systems GmbH				
4058400	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	13/11/2019	4058400	19812695.5	German
4058679	Lamello AG	10/11/2020	4058679	20804261.4	German
4058727	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	10/11/2020	4058727	20804255.6	German
4058736	Samsung Electronics Co., Ltd.	30/03/2021	4058736	21780979.7	
4058813	Pure Technologies Ltd.	13/11/2020	4058813	20887170.7	
4059172	Sony Group Corporation	02/11/2020	4059172	20797143.3	
4059292	QUALCOMM INCORPORATED	14/11/2020	4059292	20821516.0	
4059592	Swissmeca SA	16/03/2021	4059592	21162916.7	German
	Axon Lab AG				
4059699	TRUMPF Photonic Components GmbH	18/03/2021	4059699	21163491.0	
4059875	HITACHI INDUSTRIAL EQUIPMENT SYSTEMS CO., LTD.	02/07/2020	4059875	20888560.8	
4060502	AGARIK SAS	18/03/2021	4060502	21163350.8	
4060614	Aptiv Technologies AG	19/03/2021	4060614	21163577.6	
4061004	Shenzhen Shokz Co., Ltd.	29/04/2021	4061004	21797894.9	
4061640	Contiweb B.V.	20/11/2020	4061640	20839379.3	
4061684	Jaguar Land Rover Limited	17/11/2020	4061684	20804569.0	
4061704	Technische Universität Berlin	19/11/2020	4061704	20816896.3	German
4062204	Skyfora Oy	19/11/2020	4062204	20889418.8	
4062517	TKMS GmbH	12/11/2020	4062517	20807328.8	German
	thyssenkrupp AG				
4062807	Chunmi Technology (shanghai) Co., Ltd.	06/04/2021	4062807	21812002.0	
4063166	CLAAS E-Systems GmbH	26/11/2021	4063166	21210788.2	German
4063998	Dynabook Inc.	28/09/2021	4063998	21199485.0	
4064098	Scalar, Inc	17/11/2020	4064098	20890791.5	
4064538	Sungrow Power Supply Co., Ltd.	25/05/2020	4064538	20889604.3	
4064975	Directed Systems Limited	27/11/2020	4064975	20821097.1	
4065453	Dürr Systems AG	20/11/2020	4065453	20820323.2	German
4066616	Kubota Corporation	25/11/2021	4066616	21210569.6	
4066966	Renault s.a.s	25/03/2022	4066966	22164517.9	French
4067023	Wenzhou Meibao Technology Co., Ltd.	03/04/2020	4067023	20928239.1	
4067133	Thermo King LLC	30/03/2022	4067133	22165432.0	
4067234	Goodrich Corporation	24/03/2022	4067234	22164080.8	
4067590	Viega Technology GmbH & Co. KG	21/03/2022	4067590	22163153.4	German
4067603	MBI Group B.V.	31/03/2022	4067603	22165889.1	
4067963	Beijing Xiaomi Mobile Software Co., Ltd.	24/06/2021	4067963	21181546.9	
4068128	STMicroelectronics (ALPS) SAS	28/03/2022	4068128	22164860.3	French
	STMicroelectronics (Grand Ouest) SAS				
4068166	Cognifiber Ltd.	31/03/2022	4068166	22165781.0	
4068366	LG Electronics Inc.	10/02/2020	4068366	20891570.2	
4068694	Petal Cloud Technology Co., Ltd.	17/12/2020	4068694	20901580.9	
4068835	Nokia Technologies Oy	18/03/2022	4068835	22162938.9	
4068872	Nokia Technologies Oy	22/03/2022	4068872	22163410.8	
4070267	IBEX Innovations Limited	04/12/2020	4070267	20825218.9	
4070600	Ofinno, LLC	10/12/2021	4070600	21840742.7	

4070890	Wobben Properties GmbH	09/04/2021	4070890	21167686.1	German
4071208	ENEOS Materials Corporation	03/12/2020	4071208	20897104.4	
4071511	Y. E. Hub Armenia LLC	31/01/2022	4071511	22154187.3	
4071528	Nippon Telegraph and Telephone Corporation	28/10/2020	4071528	20896826.3	
4071636	Ricoh Company, Ltd.	18/03/2022	4071636	22162932.2	German
4072091	Panasonic Intellectual Property Corporation of America	13/03/2017	4072091	22176007.7	
4072174	Nokia Technologies Oy	06/04/2021	4072174	21167014.6	
4072566	Alberta Veterinary Laboratories Ltd	11/12/2020	4072566	20899993.8	
4072786	Milwaukee Electric Tool Corporation	04/12/2020	4072786	20897068.1	German
4073376	VESTAS WIND SYSTEMS A/S	01/12/2020	4073376	20821117.7	
4074030	Aixemtec GmbH	10/12/2020	4074030	20829808.3	
	MicroVision, Inc.				
4074222	TS Tech Co., Ltd.	11/12/2020	4074222	20900384.7	German
4074354	Ascendis Pharma A/S	29/12/2016	4074354	22176777.5	
4074903	Neoperl GmbH	18/12/2017	4074903	22172123.6	
4075208	Kawasaki Jukogyo Kabushiki Kaisha	10/12/2020	4075208	20900360.7	
4075665	HITACHI INDUSTRIAL EQUIPMENT SYSTEMS CO., LTD.	01/07/2020	4075665	20898510.1	German
4076410	Alar Pharmaceuticals Inc.	18/12/2020	4076410	20901388.7	
4076443	Iomet Pharma Ltd.	14/12/2020	4076443	20902198.9	
	Merck Sharp & Dohme LLC				
4077422	ExxonMobil Chemical Patents Inc.	18/11/2020	4077422	20821561.6	German
4078636	Deutsches Zentrum für Luft- und Raumfahrt e.V.	18/12/2020	4078636	20838972.6	
4079175	Shenzhen Smoore Technology Limited	15/10/2020	4079175	20903767.0	
4079346	Eoflow Co., Ltd.	30/11/2020	4079346	20904051.8	
4079555	CLAAS Tractor S.A.S.	17/12/2021	4079555	21215466.0	German
4079633	Mitsubishi Heavy Industries, Ltd.	17/12/2020	4079633	20915467.3	
	Nabtesco Corporation				
4079787	Daikin Industries, Ltd.	10/12/2020	4079787	20903923.9	
4079820	POSCO	17/12/2020	4079820	20901967.8	German
4079876	POSCO	25/11/2020	4079876	20903022.0	
	Research Institute of Industrial Science & Technology				
4080071	HARDLOCK INDUSTRY CO., Ltd.	29/09/2020	4080071	20903780.3	
4080159	ABUS August Bremicker Söhne KG	30/03/2022	4080159	22165581.4	German
4080840	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	22/01/2020	4080840	20915621.5	
4081242	ANACARDIO R&D AB	18/12/2020	4081242	20842695.7	
4081858	Saint-Gobain Glass France	21/12/2020	4081858	20855835.3	
4082580	Chengdu New Radiomedicine Technology Co., Ltd.	23/04/2021	4082580	21859651.8	French
4082849	Aptiv Technologies AG	28/04/2022	4082849	22170520.5	
4083684	PreciPoint GmbH	29/04/2021	4083684	21171336.7	
4084312	OMRON Corporation	16/12/2020	4084312	20918002.5	
4084572	Vivo Mobile Communication Co., Ltd.	07/02/2021	4084572	21751197.1	French
4084593	ABB Schweiz AG	19/05/2021	4084593	22173979.0	
4084678	Vivonics, Inc.	31/12/2020	4084678	20909518.1	
4084729	Carl Zeiss Meditec AG	29/12/2020	4084729	20839348.8	
4084970	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	31/12/2019	4084970	19845681.6	French
4085729	QUALCOMM INCORPORATED	30/12/2020	4085729	20845856.2	
4085773	Shenzhen Eigate Technology Co., Ltd.	10/12/2021	4085773	21000349.7	

4086568	Helmholtz-Zentrum für Umweltforschung GmbH-UFZ Deutsches Zentrum für Luft- und Raumfahrt e.V. Friedrich-Schiller-Universität Jena Universität Rostock	07/05/2021	4086568	21172776.3	German
4086862	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	29/02/2020	4086862	20921243.0	
4086880	LG Electronics Inc.	31/12/2019	4086880	19958174.5	
4087187	Nokia Solutions and Networks Oy	05/05/2022	4087187	22171720.0	
4087329	Chadra Laboratories LLC	26/02/2020	4087329	22180097.2	
4087361	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	28/02/2020	4087361	20920843.8	
4087486	Cleerly, Inc.	05/01/2021	4087486	21738911.3	
4087810	Liebherr-Werk Biberach GmbH	17/03/2021	4087810	21713608.4	German
4088311	CemeCon AG	16/12/2020	4088311	20839246.4	German
4088437	Microsoft Technology Licensing, LLC	20/11/2020	4088437	20824041.6	
4088439	Pixovr, Corp.	31/12/2020	4088439	20912121.9	
4089014	The Boeing Company	06/05/2022	4089014	22172170.7	
4089092	Hangzhou Innogate Pharma Co., Ltd.	11/01/2021	4089092	21738700.0	
4089353	LG Electronics Inc.	07/01/2020	4089353	20912164.9	
4089660	Seadronix Corp.	04/01/2021	4089660	21738118.5	
4090097	Huawei Technologies Co., Ltd.	10/04/2015	4090097	22166702.5	
4090114	NEC Corporation	21/11/2017	4090114	22160601.5	
4090197	Accuride International Inc.	13/01/2021	4090197	21741727.8	
4090938	HORIBA ABX SAS UNIVERSITE DE MONTPELLIER Centre National de la Recherche Scientifique (CNRS)	15/01/2021	4090938	21705241.4	French
4090946	BIOMÉRIEUX	13/01/2021	4090946	21704598.8	French
4091884	REINZ-Dichtungs-GmbH	20/05/2022	4091884	22174475.8	German
4092194	Huvis Corporation	19/01/2021	4092194	21757424.3	
4092333	Miele & Cie. KG	20/04/2022	4092333	22168951.6	German
4092900	AISIN CORPORATION Nagoya Institute Of Technology	29/09/2020	4092900	20914585.3	
4092967	Sonos, Inc.	28/05/2014	4092967	22179261.7	
4093493	Medtronic Xomed, Inc.	22/01/2021	4093493	21706100.1	
4094196	DeepMind Technologies Limited	05/02/2021	4094196	21703903.1	
4094526	Sony Group Corporation	15/02/2021	4094526	21704300.9	
4094634	Malu GmbH	30/05/2022	4094634	22176244.6	German
4094687	Biosense Webster (Israel) Ltd.	23/05/2022	4094687	22174769.4	
4094698	W. L. Gore & Associates, Inc.	18/04/2018	4094698	22185055.5	
4094720	Water Pik, Inc.	15/12/2017	4094720	22185426.8	
4095016	VOLKSWAGEN AG	26/04/2022	4095016	22170090.9	German
4095430	Toshiba Lighting & Technology Corporation	02/02/2022	4095430	22154843.1	
4095436	Nifco Inc.	08/01/2021	4095436	21744027.0	
4095482	Seiko Epson Corporation	25/05/2022	4095482	22175286.8	
4095560	Suteng Innovation Technology Co., Ltd.	09/07/2020	4095560	20865826.0	
4095986	LG Energy Solution, Ltd.	29/04/2021	4095986	21796250.5	
4096131	Samsung Electronics Co., Ltd.	25/02/2021	4096131	21759914.1	
4096279	Beijing Xiaomi Mobile Software Co., Ltd.	20/01/2020	4096279	20915403.8	
4096564	Ferton Holding S.A.	28/01/2021	4096564	21702481.9	

4096859	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	22/01/2021	4096859	21701522.1	German
	Technische Universität Dresden				
4097642	Avery Dennison Retail Information Services LLC	27/01/2021	4097642	21706780.0	
4097935	InterDigital Patent Holdings, Inc.	28/01/2021	4097935	21708794.9	
4097956	ARRIS Enterprises LLC	21/01/2021	4097956	21747268.7	
4097987	ZTE Corporation	24/06/2020	4097987	20941585.0	
4098349	Mat Plus Co., Ltd.	12/07/2021	4098349	21185033.4	
4098518	VOLKSWAGEN AG	02/05/2022	4098518	22171089.0	German
4099617	nChain Licensing AG	12/12/2018	4099617	22174133.3	
4099675	Canon Kabushiki Kaisha	04/12/2019	4099675	22178813.6	
4099682	Canon Kabushiki Kaisha	30/05/2022	4099682	22176042.4	
4099798	Weber-Stephen Products LLC	01/07/2017	4099798	22180377.8	
4100090	JOYEUX LAB COMPANY LIMITED	05/02/2020	4100090	20917754.2	
4100741	Oklahoma Medical Research Foundation	04/02/2021	4100741	21750408.3	
	The Board of Regents of the University of Oklahoma				
4100981	ABB SCHWEIZ AG	07/02/2020	4100981	20917371.5	
4101161	Samsung Electronics Co., Ltd.	05/11/2020	4101161	20945276.2	
4101221	ZTE Corporation	07/02/2020	4101221	20886292.0	
4101734	JTEKT CORPORATION	03/06/2022	4101734	22177139.7	
4101882	LG Chem, Ltd.	16/09/2021	4101882	21886562.4	
4102205	PRATT & WHITNEY CANADA CORP.	09/06/2022	4102205	22178246.9	
4102891	Nokia Technologies Oy	01/06/2022	4102891	22176678.5	
4102931	Telefonaktiebolaget LM Ericsson (publ)	03/10/2018	4102931	22187863.0	
4103796	CMC Elements ApS	03/02/2021	4103796	21708112.4	
4103919	Technische Universiteit Delft	05/02/2021	4103919	21704039.3	
4104532	Sony Group Corporation	24/03/2021	4104532	21713953.4	
4104683	NETZSCH-Feinmahltechnik GmbH	21/02/2018	4104683	22181979.0	German
4104755	Siemens Healthineers AG	16/06/2021	4104755	21179677.6	
4104894	ECP Entwicklungsgesellschaft mbH	06/04/2018	4104894	22187906.7	
4105084	Autoliv Development AB	20/01/2021	4105084	21753543.4	
4105167	STMicroelectronics S.r.l.	30/05/2022	4105167	22176138.0	
4105765	Huawei Technologies Co., Ltd.	15/03/2021	4105765	21775512.3	
4106277	ORANGE	07/06/2022	4106277	22177645.3	French
4106280	VMware LLC	01/10/2018	4106280	22166144.0	
4106282	Avago Technologies International Sales Pte. Limited	08/06/2022	4106282	22177712.1	
4106317	Sony Group Corporation	11/03/2021	4106317	21772141.4	
4106483	Huawei Technologies Co., Ltd.	28/04/2016	4106483	22189351.4	
4106825	Carl Zeiss Meditec AG	16/02/2021	4106825	21706239.7	German
4107050	Towles Lawson, Jr., Thomas	19/02/2021	4107050	21757673.5	
4107052	Mercedes-Benz Group AG	27/01/2021	4107052	21702237.5	German
4107341	Hydro International Ltd	18/02/2021	4107341	21706573.9	
4107818	PHOENIX CONTACT GMBH & CO. KG	18/02/2021	4107818	21707201.6	German
4108009	QUALCOMM INCORPORATED	25/01/2021	4108009	21705409.7	
4108375	LG Energy Solution, Ltd.	07/01/2022	4108375	22736893.3	
4108973	Ningbo Tuotuo River Design Company	19/04/2021	4108973	21791698.0	
4109011	ARNEG S.P.A.	22/06/2022	4109011	22180528.6	
4109386	INTEL Corporation	07/03/2022	4109386	22160458.0	
4109505	Intel Corporation	04/04/2022	4109505	22166446.9	
4109805	SOLiD Inc.	09/06/2022	4109805	22178037.2	
4110683	Stellantis Auto SAS	26/01/2021	4110683	21708272.6	French

4110787	Dow Global Technologies LLC	10/02/2021	4110787	21709592.6	
4110958	Sanigen Co., Ltd.	11/03/2022	4110958	22767559.2	
	Korea Food & Drug Administration				
4111326	CRFS Limited	25/02/2021	4111326	21709770.8	
4111535	Huawei Technologies Co., Ltd.	01/04/2020	4111535	20717132.3	
4111573	Robert Bosch GmbH	28/12/2020	4111573	20838109.5	German
4111760	QUALCOMM INCORPORATED	23/02/2021	4111760	21760958.5	
4112861	Illing, Mike	01/07/2022	4112861	22182707.4	German
4113165	Aptiv Technologies AG	15/06/2022	4113165	22179201.3	
4114138	Kyocera Corporation	24/03/2021	4114138	21780938.3	
4114250	Tallinn University of Technology	02/03/2021	4114250	21715675.1	
4114260	Aetrex, Inc.	05/03/2021	4114260	21719750.8	
4114540	Backbone Labs, Inc.	26/02/2021	4114540	21713304.0	
4116069	Toray Industries, Inc.	29/01/2021	4116069	21765025.8	
4116619	Cartoni S.p.A.- Societa' Benefit	08/07/2022	4116619	22183923.6	
4116661	Hamilton Sundstrand Corporation	11/07/2022	4116661	22184069.7	
4116723	LG Energy Solution, Ltd.	14/09/2021	4116723	21883022.2	
4117944	Renault s.a.s	09/03/2021	4117944	21709432.5	French
4117970	ZF Friedrichshafen AG	12/03/2020	4117970	20715961.7	
4118022	INVENTIO AG	12/03/2021	4118022	21711228.3	
4118276	Université de La Réunion	12/03/2021	4118276	21716496.1	French
4118279	USG Interiors, LLC	04/03/2021	4118279	21717604.9	
4118377	Beghelli S.p.A.	11/02/2021	4118377	21711060.0	
4118916	Samsung Electronics Co., Ltd.	20/04/2021	4118916	21793349.8	
4119785	Liebherr Machines Bulle SA	30/06/2022	4119785	22182101.0	German
4120039	Chiba Institute of Technology	13/03/2020	4120039	20924757.6	
4120040	Schmitz Cargobull AG	12/07/2021	4120040	21185038.3	German
4120111	Avast Software S.R.O.	15/07/2022	4120111	22185317.9	
4120303	LS Electric Co., Ltd.	03/03/2021	4120303	21767770.7	
4120690	SHOKZ HEARING PTE. LTD.	29/08/2020	4120690	20950836.5	
4120999	Shinshu University	07/09/2020	4120999	20775943.2	
	KABUSHIKI KAISHA TOSHIBA				
4121139	Bayer HealthCare LLC	15/03/2021	4121139	21716056.3	
4121983	Light AI Inc.	19/03/2021	4121983	21772601.7	
4122174	Cisco Technology, Inc.	04/03/2021	4122174	21715022.6	
4122238	Tejas Networks Limited	18/03/2021	4122238	21771692.7	
4122829	AMI Industries, Inc.	06/07/2022	4122829	22183344.5	
4122850	CiTEX Holding GmbH	18/07/2022	4122850	22185370.8	German
4122923	Sumitomo Pharma Co., Ltd.	16/03/2021	4122923	21770862.7	
4123067	Formosa Plastics Corporation	21/07/2022	4123067	22186292.3	
4123270	Commissariat à l'Energie Atomique et aux Energies Alternatives	18/07/2022	4123270	22185569.5	French
4123906	Huf Hülsbeck & Fürst GmbH & Co. KG	01/07/2022	4123906	22182559.9	German
4123992	NXP B.V.	14/07/2022	4123992	22185000.1	
4124009	Canon Kabushiki Kaisha	19/07/2022	4124009	22185639.6	
4124192	Delta Electronics, Inc.	16/06/2022	4124192	22179418.3	
4124204	HERMETIK HYDRAULIK AB	17/06/2021	4124204	21736981.8	German
4124339	TARIS Biomedical LLC	06/03/2015	4124339	22196596.5	
4124432	TSO TONNELLERIES	28/07/2022	4124432	22187545.3	French
4125048	FUJITSU LIMITED	27/07/2022	4125048	22187187.4	
4125067	FUJITSU LIMITED	21/07/2022	4125067	22186220.4	
4125071	OPTEX CO., LTD.	01/12/2021	4125071	21211631.3	
4125320	Cifarelli S.p.A.	29/03/2021	4125320	21721179.6	
4125653	Warsaw Orthopedic, Inc.	05/03/2021	4125653	21781791.5	

4126298	HTE GmbH The High Throughput Experimentation Company	30/03/2021	4126298	21714233.0	
4126300	Poh, Ralf	19/03/2021	4126300	21714818.8	German
4126445	Mitsubishi Electric Corporation	09/02/2021	4126445	21712913.9	
4127156	Metagenomi, Inc.	30/03/2021	4127156	21779798.4	
4127549	BRAWO SYSTEMS GmbH	01/04/2021	4127549	21717788.0	German
4127922	Microsoft Technology Licensing, LLC	31/01/2021	4127922	21707576.1	
4128592	QUALCOMM INCORPORATED	02/04/2020	4128592	20929551.8	
4128838	One2Many B.V.	23/03/2021	4128838	21713036.8	
4128841	British Telecommunications public limited company	16/02/2021	4128841	21704819.8	
4128874	QUALCOMM INCORPORATED	31/03/2021	4128874	21720638.2	
4128918	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	03/04/2020	4128918	20754345.5	
4129081	NISSIN FOODS HOLDINGS CO., LTD.	10/03/2021	4129081	21775183.3	
4129385	Nipro Corporation	27/05/2021	4129385	21818435.6	
4129401	RADEXEL INC.	23/04/2021	4129401	21791842.4	
4129632	LG Energy Solution, Ltd.	03/11/2021	4129632	21889542.3	
4129731	Elringklinger Marusan Corporation	26/01/2021	4129731	21775167.6	
4130528	Asahi Yukizai Corporation	09/03/2021	4130528	21775163.5	
4131283	Boston Scientific Cardiac Diagnostics, Inc.	14/04/2022	4131283	22168515.9	
4131297	Siemens Aktiengesellschaft	19/07/2022	4131297	22185636.2	German
4131790	The Boeing Company	18/04/2018	4131790	22197651.7	
4131998	Powersoft SpA	03/08/2022	4131998	22188582.5	
4132200	Huawei Technologies Co., Ltd.	01/07/2021	4132200	21832092.7	
4132430	TECRES S.P.A.	07/04/2021	4132430	21729628.4	
4133387	Google LLC	24/09/2021	4133387	21799399.7	
4133579	Halliburton Energy Services, Inc.	11/03/2021	4133579	21785508.9	
4133616	T-Mobile Innovations LLC	02/04/2021	4133616	21721317.2	
4133650	ZTE Corporation	15/05/2020	4133650	20895955.1	
4133873	QUALCOMM INCORPORATED	08/04/2021	4133873	21723051.5	
4136317	Enpro Subsea Limited	14/04/2021	4136317	21726954.7	
4136505	Ramot at Tel-Aviv University Ltd.	14/05/2021	4136505	21805223.1	
4136610	Samsung Electronics Co., Ltd.	08/10/2021	4136610	21878052.6	
4136784	Lenovo (Singapore) Pte. Ltd.	16/04/2021	4136784	21721195.2	
4136863	dSPACE GmbH	15/07/2021	4136863	21745755.5	German
4137348	Textron Innovations Inc.	15/09/2021	4137348	21197006.6	
4137444	LG Energy Solution, Ltd.	24/11/2021	4137444	21898611.5	
4137636	Heimbach GmbH	12/05/2022	4137636	22172904.9	German
4137754	PHC Holdings Corporation	14/05/2021	4137754	21816648.6	
4138169	LG Energy Solution, Ltd.	25/02/2022	4138169	22781403.5	
4138557	AGROMIX sp. z o.o.	21/04/2021	4138557	21734245.0	
4138883	Micreos Human Health B.V.	16/04/2021	4138883	21717923.3	
4138983	Bard Access Systems, Inc.	26/04/2021	4138983	21732609.9	
4139191	RENAULT s.a.s.	29/03/2021	4139191	21715596.9	French
	NISSAN MOTOR CO., LTD.				
4139545	Evva Sicherheitstechnologie GmbH	13/04/2021	4139545	21719556.9	German
4139579	Northrop Grumman Systems Corporation	15/01/2021	4139579	21752605.2	
4139599	Dresser Water, LLC	21/04/2021	4139599	21793757.2	
4139769	Microsoft Technology Licensing, LLC	23/02/2021	4139769	21712629.1	
4140088	QUALCOMM Incorporated	23/04/2021	4140088	21725322.8	
4140326	Japan Tobacco Inc.	22/04/2021	4140326	21792469.5	

4140569	GX Energy Ltd. Kimura Chemical Plants Co., Ltd. Rasa Industries, Ltd.	26/03/2021	4140569	21793280.5	
4140592	SMS group GmbH	12/07/2022	4140592	22184474.9	German
4141085	Resonac Corporation	06/10/2021	4141085	21877665.6	
4141364	LG Electronics Inc.	19/01/2011	4141364	22181271.2	
4141400	Infineon Technologies AG	18/10/2021	4141400	21203290.8	
4142130	NXP USA, Inc.	23/06/2022	4142130	22180851.2	
4142560	Alfred Kärcher SE & Co. KG	30/03/2021	4142560	21716986.1	German
4142574	RDS	29/04/2021	4142574	21722830.3	
4142824	CareFusion 303, Inc.	27/04/2021	4142824	21726281.5	
4143038	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	30/04/2021	4143038	21726805.1	
4143041	RealD Spark, LLC	29/04/2021	4143041	21795435.3	
4143136	Omya International AG	26/04/2021	4143136	21720763.8	
4143691	Pensando Systems Inc.	27/04/2021	4143691	21796106.9	
4144030	QUALCOMM INCORPORATED	29/04/2021	4144030	21726786.3	
4144478	POSCO	23/04/2021	4144478	21795496.5	
4144618	NISSAN MOTOR CO., LTD. Renault s.a.s	28/04/2020	4144618	20932859.0	
4144844	DuPont US Holding, LLC	11/10/2016	4144844	22189338.1	
4145054	Daikin Industries, Ltd.	26/04/2021	4145054	21796058.2	
4145124	Serum Institute of India Private Limited	02/09/2022	4145124	22193755.0	
4145347	Composecure, LLC	08/01/2019	4145347	22187110.6	
4145719	MITSUBISHI ELECTRIC CORPORATION	27/01/2017	4145719	22198692.0	
4145759	Texas Instruments Incorporated	30/04/2008	4145759	22186809.4	
4145800	Huawei Technologies Co., Ltd.	19/04/2019	4145800	22186522.3	
4145944	Apple Inc.	25/08/2022	4145944	22192207.3	
4146063	E-Valve Systems Ltd.	06/01/2021	4146063	21800249.1	
4146463	Continental Reifen Deutschland GmbH	04/12/2020	4146463	20820386.9	German
4146818	F. Hoffmann-La Roche AG	06/05/2021	4146818	21724258.5	
4146908	Halliburton Energy Services Inc.	07/07/2020	4146908	20944361.3	
4147125	Apple Inc.	01/04/2021	4147125	21721303.2	
4147169	Microsoft Technology Licensing, LLC	30/03/2021	4147169	21720127.6	
4147952	Ignasi Clotet, S.L.U.	14/09/2021	4147952	21382828.8	
4148027	Panasonic Intellectual Property Management Co., Ltd.	26/04/2021	4148027	21800356.4	
4148349	Hisense Ronshen (Guangdong) Refrigerator Co., Ltd.	30/12/2020	4148349	20934745.9	
4149043	LG Electronics, Inc.	04/01/2018	4149043	22205119.5	
4149083	Motorcomm Electronic Technology Co., Ltd.	23/11/2021	4149083	21209910.5	
4149115	BAIDU ONLINE NETWORK TECHNOLOGY (BEIJING) CO., LTD.	24/09/2020	4149115	20943465.3	
4149369	JT Godfrey, LLC	12/05/2021	4149369	21734034.8	
4149610	Battelle Memorial Institute	14/05/2021	4149610	21730411.2	
4149822	VOLVO TRUCK CORPORATION	11/05/2020	4149822	20725164.6	
4150042	Heineken Supply Chain B.V.	11/05/2021	4150042	21723781.7	
4150419	SMS group GmbH	12/05/2021	4150419	21726078.5	German
4150432	Microsoft Technology Licensing, LLC	14/05/2021	4150432	21728405.8	
4150672	Yangtze Memory Technologies Co., Ltd.	09/12/2020	4150672	20964575.3	
4150719	Microsoft Technology Licensing, LLC	04/05/2021	4150719	21726541.2	
4150886	Cisco Technology, Inc.	23/04/2021	4150886	21724977.0	
4151249	Carl Zeiss Meditec AG	15/09/2022	4151249	22195884.6	German

4151356	Hirotec Corporation	21/04/2021	4151356	21804600.1	
4151897	Shenzhen Gloshine Technology Co., Ltd.	24/05/2022	4151897	22731976.1	
4152289	Sony Group Corporation	06/07/2022	4152289	22183318.9	
4152376	Huawei Technologies Co., Ltd.	20/05/2021	4152376	21817520.6	
4152698	Samsung Electronics Co., Ltd.	04/06/2021	4152698	21848994.6	
4152877	QUALCOMM Incorporated	10/05/2017	4152877	22206357.0	
4153597	Pharmacosmos Holding A/S	18/05/2021	4153597	21807941.6	
4153952	Saudi Arabian Oil Company	18/05/2021	4153952	21731357.6	
4154038	Smiths Detection France S.A.S.	17/05/2021	4154038	21728613.7	
4154072	Autodesk, Inc.	18/05/2020	4154072	20730530.1	
4154794	Illinois Tool Works, Inc.	13/07/2022	4154794	22184815.3	
4154879	Korea Institute of Science and Technology	08/04/2022	4154879	22167414.6	
4155255	STMicroelectronics S.r.l.	14/09/2022	4155255	22195564.4	
4155542	Loeffler, Joachim	26/09/2022	4155542	22197708.5	German
4155928	Honor Device Co., Ltd.	24/04/2022	4155928	22751239.9	
4156176	Iflytek Co., Ltd.	02/12/2020	4156176	20936660.8	
	University of Science and Technology of China				
4156232	INTEL Corporation	16/08/2022	4156232	22190629.0	
4156837	CHINA MOBILE COMMUNICATION CO., LTD. RESEARCH INSTITUTE CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.	21/06/2021	4156837	21826467.9	
4157029	Blue Ice Europe	25/05/2021	4157029	21734196.5	French
4157469	Sage Products, LLC	28/05/2021	4157469	21734688.1	
4158474	Microsoft Technology Licensing, LLC	02/03/2021	4158474	21715698.3	
4159228	Designed Cells Co., Ltd.	30/09/2022	4159228	22198922.1	
4159502	OPmobility SE	30/09/2022	4159502	22199140.9	French
4159942	Cersanit S.A.	29/10/2021	4159942	21205572.7	
4160019	Schwäbische Hüttenwerke Automotive GmbH	29/09/2022	4160019	22198807.4	German
4160217	HITACHI HIGH-TECH CORPORATION	27/05/2020	4160217	20938133.4	
4160241	Waveguide Corporation	26/03/2018	4160241	22209741.2	
4160286	Corning Research & Development Corporation	30/11/2017	4160286	22202692.4	
4160287	Corning Research & Development Corporation	30/11/2017	4160287	22202699.9	
4160288	Corning Research & Development Corporation	30/11/2017	4160288	22202754.2	
4161434	Dental Monitoring	09/06/2021	4161434	21730618.2	French
4161792	QUALCOMM INCORPORATED	05/05/2021	4161792	21729369.5	
4162194	HELLA GmbH & Co. KGaA	03/06/2020	4162194	20732133.2	
4162558	CMC Materials LLC	07/06/2021	4162558	21821952.5	
4162663	Orange	01/06/2021	4162663	21734429.0	French
4163191	Sika Technology AG	08/10/2021	4163191	21201618.2	German
4163193	MAN Truck & Bus SE	04/10/2022	4163193	22199643.2	German
4163350	MEISEI CHEMICAL WORKS, LTD.	03/06/2021	4163350	21818596.5	
4163444	Enersea B.V.	07/10/2022	4163444	22200435.0	
4163781	Canon Kabushiki Kaisha	12/07/2019	4163781	22204953.8	
4163807	Emteq Limited	27/02/2018	4163807	22208642.3	
4164135	RTX Corporation	07/10/2022	4164135	22200407.9	
4164219	LG ELECTRONICS INC.	04/06/2020	4164219	20939447.7	

4164242	Honor Device Co., Ltd.	17/05/2022	4164242	22798226.1	
4165303	VESTAS WIND SYSTEMS A/S	03/06/2021	4165303	21734273.2	
4165503	Snap Inc.	03/06/2021	4165503	21821128.2	
4165972	Eurosystems S.P.A.	07/10/2022	4165972	22200231.3	
4166052	Marmon Foodservice Technologies, Inc.	17/10/2022	4166052	22202025.7	
4166101	Yunnan Liheng Medical Technology Co., Ltd.	28/05/2021	4166101	21821051.6	
4166828	KOITO MANUFACTURING CO., LTD.	08/06/2021	4166828	21822993.8	
4166846	BECKETT THERMAL SOLUTIONS S.R.L.	23/09/2022	4166846	22197374.6	
4167099	Texas Instruments Incorporated	12/10/2022	4167099	22201095.1	
4167490	Industrial Technology Research Institute	14/12/2021	4167490	21214270.7	
4167580	Huawei Technologies Co., Ltd.	01/07/2021	4167580	21833204.7	
4167608	ZTE Corporation	02/06/2021	4167608	21828725.8	
4167679	Huawei Technologies Co., Ltd.	13/02/2019	4167679	22188064.4	
4168097	TC1 LLC	09/06/2021	4168097	21736886.9	
4168327	Ocado Innovation Limited	11/06/2021	4168327	21733922.5	
4168840	Corning Research & Development Corporation	16/06/2021	4168840	21739851.0	
4169074	International Business Machines Corporation	17/06/2021	4169074	21735215.2	
4169090	Novald GmbH	18/06/2021	4169090	21733809.4	
4169139	Siemens Gamesa Renewable Energy Innovation & Technology S.L.	29/07/2021	4169139	21752032.9	
4170130	RTX Corporation	21/10/2022	4170130	22203149.4	
4171285	Altria Client Services LLC	16/06/2021	4171285	21740331.0	
4171409	Mimeo Medical GmbH	23/06/2021	4171409	21739581.3	German
4171437	Pregenzer, Bruno	02/11/2021	4171437	21802688.8	German
4171459	Guangzhou Follisave Technology Development Ltd.	24/06/2021	4171459	21828395.0	
4171559	Zevra Denmark A/S	24/06/2021	4171559	21733160.2	
4171870	Jäger-Engineering GmbH	22/06/2021	4171870	21742724.4	German
4172449	KSR Consultancy (NW) Limited	29/06/2020	4172449	20737379.6	
4172458	Aker Solutions AS	28/06/2021	4172458	21751499.1	
4172464	Hunting Titan, Inc.	26/06/2021	4172464	21829726.5	
4172929	Samsung Electronics Co., Ltd.	31/12/2021	4172929	21915897.9	
4172969	Volvo Autonomous Solutions AB	30/06/2020	4172969	20942861.4	
4173254	ORANGE	23/06/2021	4173254	21751601.2	French
4173694	TOYOBO MC Corporation	16/06/2021	4173694	21833697.2	
4173890	Adient US LLC	02/11/2022	4173890	22205084.1	German
4174250	Samsung C&T Corporation	21/06/2021	4174250	21834600.5	
4174307	Aktiebolaget SKF	13/10/2022	4174307	22201227.0	German
4174364	Guangdong Minglun Optoelectronics Technology Co., Ltd.	08/07/2022	4174364	22183924.4	
4174851	Huawei Technologies Co., Ltd.	16/07/2021	4174851	21842181.6	
4174941	LG Electronics, Inc.	26/06/2020	4174941	20941942.3	
4175079	Instytut Wysokich Cisnien Polskiej Akademii Nauk	30/10/2022	4175079	22461628.4	
4175102	Huawei Digital Power Technologies Co., Ltd.	13/07/2020	4175102	20944939.6	
4175324	Alps Alpine Co., Ltd.	12/10/2022	4175324	22201186.8	
4175329	Huawei Technologies Co., Ltd.	22/07/2021	4175329	21850424.9	
4175346	Huawei Technologies Co., Ltd.	13/07/2021	4175346	21842982.7	

4175519	La Marzocco S.r.l.	02/07/2021	4175519	21746809.9	
4175759	APTAR France SAS	02/07/2021	4175759	21748919.4	French
4175921	Sika Technology AG	28/06/2021	4175921	21736322.5	
4176089	Institut Pasteur	02/07/2021	4176089	21735737.5	
4176224	SAAB AB	17/06/2021	4176224	21832209.7	
4176424	VOLKSWAGEN	31/05/2021	4176424	21730549.9	German
	AKTIENGESELLSCHAFT				
4177419	Dyka B.V.	03/11/2022	4177419	22205223.5	
4177447	Yanmar Holdings Co., Ltd.	04/11/2022	4177447	22205498.3	
4177976	Kyocera Corporation	01/07/2021	4177976	21832013.3	
4178309	MEDIATEK INC.	29/10/2022	4178309	22204599.9	
4178314	Huawei Technologies Co., Ltd.	22/07/2021	4178314	21851261.4	
4178474	Mimeo Medical GmbH	09/07/2021	4178474	21749107.5	German
4178959	Univerzita Palackého v Olomouci	13/07/2020	4178959	20743578.5	
4179162	Wavin B.V.	02/07/2021	4179162	21737504.7	
4179165	Martin Vandereyt BV	08/07/2021	4179165	21739402.2	
	SAAMO Brussel vzw				
4179182	Baker Hughes Oilfield Operations, LLC	07/07/2021	4179182	21841493.6	
4179262	Renson NV	08/07/2021	4179262	21752161.6	
4179265	ebm-papst Mulfingen GmbH & Co. KG	23/06/2021	4179265	21742726.9	German
4179706	Sclera Holdings, LLC	12/07/2021	4179706	21842525.4	
4180437	Tosoh Corporation	08/07/2021	4180437	21837609.3	
4180578	Otto Arena System GmbH	12/11/2021	4180578	21207887.7	German
4180666	Hitachi Industrial Equipment Systems Co., Ltd.	09/07/2020	4180666	20943980.1	
4181275	LG Energy Solution, Ltd.	07/10/2021	4181275	21880401.1	
4181374	Huawei Digital Power Technologies Co., Ltd.	29/07/2020	4181374	20946620.0	
4181454	Samsung Electronics Co., Ltd.	11/11/2022	4181454	22207007.0	
4181558	Huawei Technologies Co. Ltd.	22/07/2020	4181558	20946141.7	
4181920	Pfizer Inc.	15/07/2021	4181920	21749550.6	
	CTXT PTY LTD				
4182248	Laitram, L.L.C.	14/06/2021	4182248	21742216.1	
4182478	Università Degli Studi di Cagliari	13/07/2021	4182478	21751622.8	
4182822	ARM Limited	12/07/2021	4182822	21746125.0	
4182824	British Telecommunications public limited company	10/06/2021	4182824	21731172.9	
4182997	Huawei Technologies Co. Ltd.	28/07/2020	4182997	20747389.3	
4183512	LG Energy Solution, Ltd.	25/06/2021	4183512	21845372.8	
4183664	VOLKSWAGEN AG	19/09/2022	4183664	22196367.1	German
4183669	Nad, S.L.	22/11/2021	4183669	21383050.8	
4183674	W-FIN S.à R.L.	22/11/2021	4183674	21209480.9	
4184129	Honeywell International Inc.	21/11/2022	4184129	22208598.7	
4184326	Hangzhou Hikvision Digital Technology Co., Ltd.	14/07/2021	4184326	21843419.9	
4184476	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	23/07/2020	4184476	20946409.8	
4184878	Innovative Technology Lab Co., Ltd.	05/11/2015	4184878	23151183.3	
4184958	Huawei Technologies Co., Ltd.	30/07/2020	4184958	20947312.3	
4185032	LG Electronics Inc.	29/09/2021	4185032	21876016.3	
4185179	BSH Hausgeräte GmbH	06/07/2021	4185179	21743395.2	German
4185587	JANSSEN Pharmaceutica NV	21/07/2021	4185587	21754730.6	
4185762	Kondex Corporation	20/07/2021	4185762	21846437.8	
4186195	QUALCOMM Incorporated	22/06/2021	4186195	21746305.8	
4186259	Signify Holding B.V.	06/07/2021	4186259	21742099.1	
4186309	Huawei Technologies Co. Ltd.	05/08/2021	4186309	21762267.9	
4186338	Signify Holding B.V.	15/07/2021	4186338	21745968.4	

4186502	Vanda Pharmaceuticals Inc.	13/02/2020	4186502	23152614.6	
4187073	Hamilton Sundstrand Corporation	28/11/2022	4187073	22209941.8	
4187092	Microjet Technology Co., Ltd.	28/01/2022	4187092	22153878.8	
4187193	Sistemas de Control Remoto, S.L.	29/11/2021	4187193	21210980.5	
4187283	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	30/07/2020	4187283	20947111.9	
4187538	Samsung Electronics Co., Ltd.	22/11/2022	4187538	22208785.0	
4188592	BASF SE	26/07/2021	4188592	21751784.6	
4188774	Continental Autonomous Mobility US, LLC	29/07/2021	4188774	21758995.1	
4188795	Latecoere	23/07/2021	4188795	21746064.1	French
4188902	Koch Technology Solutions UK Limited	27/07/2021	4188902	21758135.4	
4189411	Limatech	23/07/2021	4189411	21751523.8	French
4189433	Schaeffler Technologies AG & Co. KG	22/07/2021	4189433	21748831.1	German
4189570	Telefonaktiebolaget LM ERICSSON (PUBL)	16/07/2021	4189570	21746675.4	
4189667	Cyalume Technologies, Inc.	14/07/2021	4189667	21751924.8	
4189684	NEC Corporation	12/03/2021	4189684	21715150.5	
4189958	Koninklijke Philips N.V.	26/07/2021	4189958	21749177.8	
4190023	INTEL Corporation	23/07/2021	4190023	21850503.0	
4190330	Pharos Ibio Co., Ltd. Korea Institute of Science and Technology	30/07/2021	4190330	21849180.1	
4190512	Samsung Electronics Co., Ltd.	01/10/2021	4190512	21894878.4	
4190520	Furanwood Co., Ltd. Kyoto Prefectural Public University Corporation	27/07/2021	4190520	21849954.9	
4190569	Electronics for Imaging, Inc.	07/07/2017	4190569	23152246.7	
4190718	Murata Machinery, Ltd.	10/02/2021	4190718	21852561.6	
4190721	Daifuku Co., Ltd.	18/05/2021	4190721	21851091.5	
4191038	PRATT & WHITNEY CANADA CORP.	06/12/2022	4191038	22211789.7	
4191085	Schaeffler Technologies AG & Co. KG	28/07/2020	4191085	20947675.3	German
4191852	Commissariat à l'Energie Atomique et aux Energies Alternatives	05/12/2022	4191852	22211344.1	French
4192006	Axis AB	03/12/2021	4192006	21212337.6	
4192057	Huawei Technologies Co. Ltd.	26/07/2021	4192057	21855349.3	
4192474	GILEAD SCIENCES, INC.	05/08/2021	4192474	21762257.0	
4193574	Robert Bosch GmbH	15/07/2021	4193574	21745982.5	German
4193888	La Rocca Expres, S.A.	27/07/2021	4193888	21852124.3	
4194101	Subaru Corporation	11/11/2022	4194101	22206948.6	
4194566	Roche Sequencing Solutions, Inc.	27/02/2013	4194566	23154993.2	
4195491	MITSUBISHI ELECTRIC CORPORATION	04/08/2020	4195491	20947835.3	
4195540	Huawei Technologies Co. Ltd.	19/03/2021	4195540	21859545.2	
4195547	INTEL Corporation	27/09/2022	4195547	22198026.1	
4196422	INVENTIO AG	29/07/2021	4196422	21749853.4	
4197037	Silicon Storage Technology Inc.	04/03/2021	4197037	21714564.8	
4197234	Nokia Technologies Oy	12/08/2020	4197234	20756840.3	
4197469	Applied Medical Resources Corporation	18/05/2015	4197469	23154961.9	
4197490	C. R. Bard, Inc.	30/11/2015	4197490	23156764.5	
4198299	General Electric Renovables España S.L.	14/12/2021	4198299	21383137.3	
4198650	ETA SA Manufacture Horlogère Suisse	17/12/2021	4198650	21215634.3	French
4198672	SZ DJI Technology Co., Ltd.	31/03/2015	4198672	23155585.5	

4198750	dSPACE GmbH	17/12/2021	4198750	21215621.0	German
4198891	Vito NV	18/12/2020	4198891	23154740.7	
4198965	Casio Computer Co., Ltd.	08/11/2022	4198965	22205981.8	
4199026	Ellenberger & Poensgen GmbH	01/12/2022	4199026	22210880.5	German
4199252	The Boeing Company	25/10/2022	4199252	22203667.5	
4200308	Studiengesellschaft Kohle gGmbH	28/09/2021	4200308	21785863.8	
4200608	Omicron electronics GmbH	06/10/2021	4200608	21791277.3	German
4200968	Robert Bosch GmbH	20/07/2021	4200968	21746711.7	German
4201256	GB Boucherie NV	09/11/2022	4201256	22206308.3	German
4201349	Wright Medical Technology, Inc.	22/08/2014	4201349	23157314.8	
4201753	RESRG Automotive SE & Co. KG	20/12/2022	4201753	22214884.3	German
4202134	Neoperl GmbH	13/12/2019	4202134	22194943.1	German
4202204	Trauschke, Siegfried	15/11/2022	4202204	22207445.2	German
4203222	Electricité de France	02/11/2022	4203222	22205133.6	French
4203524	Dolby International AB	18/12/2018	4203524	23153129.4	
4203559	THALES	22/12/2022	4203559	22215812.3	French
4203729	RAI Strategic Holdings, Inc.	26/08/2021	4203729	21763413.8	
4203875	Alcon Inc.	03/08/2021	4203875	21759401.9	
4204240	Alcon Inc.	16/08/2021	4204240	21769185.6	
4204278	Pick8Ship Technology AG	18/08/2021	4204278	21766138.8	
4205684	Biosense Webster (Israel) Ltd.	30/12/2022	4205684	22217252.0	
4205702	Shifamed Holdings, LLC	07/06/2018	4205702	23155928.7	
4205907	ETABLISSEMENTS GEORGES RENAULT	14/12/2022	4205907	22213533.7	French
4206088	Leef Blattwerk GmbH	28/12/2022	4206088	22216881.7	German
4206781	The Boeing Company	11/09/2015	4206781	23158751.0	
4206842	Rockwell Collins, Inc.	06/12/2022	4206842	22211657.6	
4206919	Huawei Technologies Co. Ltd.	30/07/2021	4206919	21860050.0	
4206980	BOE Technology Group Co., Ltd. Beijing Boe Sensor Technology Co., Ltd.	26/05/2021	4206980	21942294.6	
4207294	BOE Technology Group Co., Ltd.	01/04/2021	4207294	21934001.5	
4207339	LG Energy Solution, Ltd.	01/04/2022	4207339	22788310.5	
4207522	Huawei Technologies Co. Ltd.	29/07/2021	4207522	21860039.3	
4207843	Sony Group Corporation	02/07/2021	4207843	21860976.6	
4207891	Samsung Electronics Co., Ltd.	05/04/2019	4207891	23157630.7	
4207993	LG Display Co., Ltd.	20/12/2022	4207993	22215052.6	
4208991	Huawei Technologies Co. Ltd.	17/02/2021	4208991	21926084.1	
4209725	TROX SE	11/01/2022	4209725	22151051.4	German
4209780	Rigaku Corporation	09/06/2021	4209780	21863913.6	
4210061	Huawei Technologies Co. Ltd.	26/10/2020	4210061	20958958.9	
4210639	Warsaw Orthopedic, Inc.	10/09/2021	4210639	21791521.4	
4210806	Elbatron GmbH	17/08/2021	4210806	21769053.6	German
4211534	Microsoft Technology Licensing, LLC	28/05/2021	4211534	21735027.1	
4212305	Zeon Corporation	13/08/2021	4212305	21864085.2	
4212824	STMicroelectronics S.r.l.	02/01/2023	4212824	23150057.0	
4213065	ELATEC GmbH	25/08/2022	4213065	22192088.7	
4213130	Simply Ltd	12/01/2023	4213130	23151310.2	
4213565	NEC Corporation	30/10/2018	4213565	23159496.1	
4214521	Fluke Corporation	15/09/2021	4214521	21787249.8	
4214809	Robert Bosch GmbH	15/07/2021	4214809	21745763.9	German
4214900	Snap Inc.	16/09/2021	4214900	21787285.2	
4215033	Samson Agro A/S	18/01/2023	4215033	23152163.4	
4215390	AISIN CORPORATION	03/12/2021	4215390	21910224.1	
4215783	Georg Fischer Central Plastics LLC	10/01/2023	4215783	23150877.1	
4216482	LG Electronics Inc.	13/06/2016	4216482	23161832.3	
4216865	Mobius Imaging, LLC	22/09/2021	4216865	21799389.8	

4217015	Centre Hospitalier Annecy Genevois Institut Polytechnique de Grenoble Centre national de la recherche scientifique Centre Hospitalier Universitaire Grenoble Alpes Université Grenoble Alpes	21/09/2021	4217015	21778143.4	French
4217599	SAFRAN	22/09/2021	4217599	21790955.5	French
4217761	THALES	22/09/2021	4217761	21782712.0	French
4218452	Shenzhen Huachengda Precision Industry Co., Ltd.	28/09/2020	4218452	20954321.4	
4218853	Becton, Dickinson and Company	28/10/2020	4218853	23150752.6	
4219020	Gema Switzerland GmbH	23/01/2019	4219020	23171569.9	German
4219086	Ocado Innovation Limited	28/02/2017	4219086	23172552.4	
4219252	VOLVO TRUCK CORPORATION	28/01/2022	4219252	22153941.4	
4219271	TOYOTA JIDOSHA KABUSHIKI KAISHA	16/12/2022	4219271	22214088.1	
4219929	YAMAHA HATSUDOKI KABUSHIKI KAISHA	14/12/2021	4219929	21957737.6	
4219938	Bladebug Limited	11/02/2019	4219938	23156191.1	
4220013	General Electric Company	13/05/2022	4220013	22173332.2	
4220046	LG Electronics Inc.	27/01/2023	4220046	23153751.5	
4220080	Leica Geosystems AG	27/01/2022	4220080	22153735.0	
4220317	RTX Corporation	27/01/2023	4220317	23153752.3	
4220557	Reactive Reality GmbH	28/01/2022	4220557	22153890.3	
4220861	THALES	26/01/2023	4220861	23153543.6	French
4221360	Datang Mobile Communications Equipment Co., Ltd.	18/11/2019	4221360	23154727.4	
4221735	Activ'Inside	27/09/2021	4221735	21787315.7	French
4222337	Sandvik Mining and Construction Tools AB	30/09/2021	4222337	21786207.7	
4222338	Sandvik Mining and Construction Tools AB	30/09/2021	4222338	21786208.5	
4222565	Siemens Aktiengesellschaft	01/12/2021	4222565	21824330.1	German
4223653	Lantech.Com LLC	22/09/2016	4223653	23164572.2	
4223947	Lehmann GmbH & Co. KG	03/02/2023	4223947	23154941.1	German
4224017	Hagleitner, Hans Georg	23/01/2023	4224017	23152914.0	German
4224140	Netzsch-Gerätebau GmbH	03/05/2022	4224140	23160087.5	German
4224164	HITACHI HIGH-TECH CORPORATION	10/02/2021	4224164	21874763.2	
4224269	Hitachi Construction Machinery Co., Ltd.	26/05/2021	4224269	21874810.1	
4224885	Harman International Industries, Inc.	10/01/2019	4224885	23165528.3	
4225110	Johnson Outdoors Inc.	05/10/2021	4225110	21878364.5	
4225597	Renault s.a.s	08/10/2021	4225597	21790424.2	French
4226069	Sartorius Stedim Biotech GmbH	27/09/2021	4226069	21783263.3	German
4226706	Telefonaktiebolaget LM Ericsson (publ)	07/10/2020	4226706	20789736.4	
4227185	ALSTOM Holdings	10/02/2023	4227185	23156086.3	French
4227733	VOPTICA S.L.	04/10/2021	4227733	21811404.9	
4228962	Fincantieri S.p.A.	14/10/2021	4228962	21798788.2	
4229266	Saudi Arabian Oil Company	15/10/2021	4229266	21819255.7	
4229384	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	08/10/2021	4229384	21791300.3	German
4230349	Hu, Bobby	16/10/2020	4230349	20957211.4	
4230456	TOYOTA JIDOSHA KABUSHIKI KAISHA	06/12/2022	4230456	22211586.7	

4230489	Suzuki Motor Corporation	02/02/2023	4230489	23154707.6	
4230532	Comando de Operações Aeroespaciais - Comae	16/10/2020	4230532	20956906.0	
4231039	NXP B.V.	22/02/2022	4231039	22158099.6	
4231678	Panasonic Intellectual Property Corporation of America	23/02/2015	4231678	23185483.7	
4232514	Giesecke+Devrient Currency Technology GmbH	14/10/2021	4232514	21798565.4	German
4232716	Industrie Saleri Italo S.P.A.	27/09/2021	4232716	21789827.9	
4232755	Zehnder Group International AG	21/10/2021	4232755	21798653.8	
4232811	E-Scopics	22/10/2021	4232811	21798663.7	French
4232884	Hap2u	22/10/2021	4232884	21798682.7	French
4233155	Brose Fahrzeugteile SE & Co. Kommanditgesellschaft, Würzburg	06/12/2021	4233155	21830637.1	German
4233747	BO-IP B.V. UMC Utrecht Holding B.V.	12/12/2018	4233747	23177302.9	
4233959	Fisher & Paykel Healthcare Limited	05/11/2019	4233959	23178773.0	
4234162	OFFICINA MECCANICA DOMASO S.p.A.	16/07/2018	4234162	23168245.1	German
4234176	Samsung Electronics Co., Ltd.	30/11/2021	4234176	21923407.7	
4234291	Zhejiang Hangong Intelligent Industry Co., Ltd	09/10/2021	4234291	21881872.2	
4235707	Suncall Corporation	02/03/2020	4235707	23180553.2	
4235931	Prime Planet Energy & Solutions, Inc.	10/02/2023	4235931	23156076.4	
4236375	Dolby Laboratories Licensing Corporation Dolby International AB	17/11/2016	4236375	23176131.3	
4237242	Modvion AB	02/11/2021	4237242	21887044.2	
4237346	The Procter & Gamble Company	21/10/2021	4237346	21806605.8	
4238068	Ancestry.com Operations Inc.	28/10/2021	4238068	21810844.7	
4238321	Nokia Technologies Oy	23/09/2021	4238321	21783431.6	
4238570	Guangxi Xinhai Pharmaceutical Technology Co., Ltd	19/12/2022	4238570	22865878.7	
4238773	Ricoh Company, Ltd.	28/10/2021	4238773	21886335.5	
4238870	Rolls-Royce plc	03/02/2023	4238870	23154920.5	
4240199	Shedrain Corporation	03/11/2021	4240199	21889963.1	
4240200	Kaz Europe Sàrl	29/10/2021	4240200	21889866.6	
4240603	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	05/11/2021	4240603	21802369.5	German
4241030	VALEO SYSTEMES THERMIQUES	21/10/2021	4241030	21798360.0	French
4241115	dSPACE GmbH	04/11/2021	4241115	21806210.7	German
4241619	Studiotoools.io GmbH	08/03/2022	4241619	22160905.0	German
4241639	Luo, Jichuan	17/03/2022	4241639	22813078.7	
4241755	Iage Tech Limited	10/03/2022	4241755	22161284.9	
4241923	Robert Bosch GmbH	01/02/2023	4241923	23154492.5	German
4242443	Rohr, Inc.	07/03/2023	4242443	23160551.0	
4242445	Rohr, Inc.	07/03/2023	4242445	23160603.9	
4242475	Newfrey LLC	01/03/2019	4242475	23189583.0	
4243180	LG Energy Solution, Ltd.	04/01/2022	4243180	22736808.1	
4243246	Dr. Ing. h.c. F. Porsche Aktiengesellschaft	07/03/2022	4243246	22020094.3	German
4243361	Juniper Networks, Inc.	26/03/2021	4243361	23183401.1	
4244418	Norafin Technologies GmbH	08/11/2021	4244418	21807083.7	German
4244581	Rosemount Inc.	19/07/2021	4244581	21752411.5	
4245022	Telefonaktiebolaget LM Ericsson (publ)	04/11/2021	4245022	21806695.9	
4245279	Ye, Kong Meng Chia, Lai Joo	07/12/2020	4245279	20961389.2	

4245670	Syntegon Packaging Systems AG	26/01/2023	4245670	23153364.7	German
4245819	SHIN-ETSU CHEMICAL CO., LTD.	01/11/2021	4245819	21891702.9	
4245830	Kao Corporation	10/11/2021	4245830	21891897.7	
4245963	Rolls-Royce Deutschland Ltd & Co KG	16/03/2022	4245963	22162560.1	
	Oerlikon Surface Solutions AG, Pfäffikon				
4246188	Honor Device Co., Ltd.	04/01/2023	4246188	23728574.7	
4246262	Siemens Aktiengesellschaft	18/03/2022	4246262	22163000.7	German
4246281	Ricoh Company, Ltd.	28/02/2023	4246281	23159000.1	
4246507	Google LLC	31/05/2019	4246507	23189740.6	
4246846	QUALCOMM Incorporated	30/05/2019	4246846	23191005.0	
4247443	Zobe Holding SpA	17/11/2021	4247443	21807135.5	
4247604	Eurospacers AB	12/11/2021	4247604	21895228.1	
4248026	Neoperl GmbH	19/11/2021	4248026	21811359.5	German
4248090	Rennie, Scott, Hughan	16/09/2021	4248090	21893127.7	
4248101	Aktiebolaget SKF	05/11/2021	4248101	21806704.9	German
4248721	Wieland-Werke AG	21/10/2021	4248721	21799184.3	German
4249026	ResMed Pty Ltd	28/05/2009	4249026	23169694.9	
4249087	Specialty Fitness Systems, LLC	01/06/2021	4249087	23184595.9	
4249134	Contemporary Amperex Technology (Hong Kong) Limited	09/06/2022	4249134	22848056.2	
4249236	MCT Holdings LTD	13/03/2015	4249236	23181163.9	
4249272	Toshiba TEC Kabushiki Kaisha	27/10/2022	4249272	22204093.3	
4249275	Seiko Instruments Inc.	20/03/2023	4249275	23162858.7	
4249822	Zehnder Group International AG	21/10/2021	4249822	23192230.3	
4249847	Carl Zeiss Industrielle Messtechnik GmbH	08/04/2019	4249847	23186434.9	German
4249960	PGS Geophysical AS	13/12/2017	4249960	23184077.8	
4250440	Panasonic Energy Co., Ltd.	15/11/2021	4250440	21894586.3	
4250517	Mipro Electronics Co., Ltd.	22/03/2022	4250517	22163554.3	
4250619	Huawei Device Co., Ltd.	03/05/2013	4250619	23161942.0	
4251385	Saint-Gobain Weber France	25/11/2021	4251385	21820189.5	
4251855	SAFRAN AIRCRAFT ENGINES	16/11/2021	4251855	21820670.4	French
4252659	Siemens Healthineers AG	30/03/2022	4252659	22165569.9	German
4253241	B/E Aerospace, Inc.	27/03/2023	4253241	23164385.9	
4253347	Saint-Gobain TM K.K.	24/11/2021	4253347	21897994.6	
4253378	Lg Chem, Ltd.	22/02/2022	4253378	22756597.5	
4253802	Huawei Digital Power Technologies Co., Ltd.	30/12/2020	4253802	20967583.4	
4253915	Crompton Technology Group Limited	30/03/2022	4253915	22275039.0	
4253965	F. Hoffmann-La Roche AG	01/04/2022	4253965	22166263.8	
4254148	Société Civile "GALILEO 2011"	29/03/2022	4254148	22164928.8	
4255074	Electronics and Telecommunications Research Institute	29/11/2021	4255074	21898726.1	
4255324	Stryker European Operations Limited	01/12/2021	4255324	21823373.2	
4255915	Forchem Oyj	01/12/2021	4255915	21823338.5	
4256156	Yeti Coolers, LLC	16/12/2021	4256156	21841146.0	
4256272	CiTEX Holding GmbH	02/12/2021	4256272	21834715.1	German
4256318	FACC AG	01/12/2021	4256318	21820097.0	German
4256377	AUMOVIO Autonomous Mobility Germany GmbH	23/11/2021	4256377	21847928.5	German
4256776	Microsoft Technology Licensing, LLC	28/10/2021	4256776	21811622.6	
4256831	ZTE Corporation	14/01/2021	4256831	21918479.3	
4256944	Deere & Company	13/03/2023	4256944	23161511.3	
4257057	Teledyne Dalsa B.V.	04/04/2023	4257057	23166496.2	
4257108	Dongguan Hongyu Plastic Co., Ltd	15/04/2022	4257108	22168672.8	

4257970	Korea Institute of Science and Technology	27/03/2023	4257970	23164335.4	
4258697	Huawei Technologies Co. Ltd.	25/07/2018	4258697	23164063.2	
4259189	BaroPace, Inc.	16/11/2021	4259189	21904096.1	
4259498	ZF CV Systems Europe BV	29/11/2021	4259498	21824505.8	German
4259767	Henkel AG & Co. KGaA	09/12/2021	4259767	21819155.9	German
4260865	Anvest Group S.r.l.	11/04/2023	4260865	23167248.6	
4260985	MAX CO., LTD.	14/04/2023	4260985	23167978.8	
4261129	AGCO International GmbH	17/03/2023	4261129	23162582.3	
4261646	Sandvik Mining and Construction Oy	14/04/2022	4261646	22168315.4	
4262157	Juniper Networks, Inc.	26/05/2022	4262157	22175655.4	
4262621	Trisa Holding AG	15/10/2021	4262621	21789768.5	German
4264145	Steinel GmbH	17/12/2021	4264145	21844215.0	German
4264888	SCHNEIDER ELECTRIC INDUSTRIES SAS	05/01/2022	4264888	22700576.6	German
4265189	Siemens Healthineers AG	30/09/2022	4265189	22199104.5	German
4265190	Siemens Healthineers AG	30/09/2022	4265190	22199183.9	German
4265378	Seiko Epson Corporation	14/04/2023	4265378	23168123.0	
4265832	Nitto Boseki Co., Ltd.	18/02/2022	4265832	22779630.7	
4266069	LG Energy Solution, Ltd.	21/11/2022	4266069	22896163.7	
4266364	Sony Group Corporation Sony Semiconductor Solutions Corporation	02/12/2021	4266364	21906367.4	
4266447	Zhuhai CosMX Battery Co., Ltd.	16/03/2022	4266447	22774096.6	
4266501	NXP B.V.	06/04/2023	4266501	23167074.6	
4266885	BASF SE	13/12/2021	4266885	21835300.1	
4267066	Paul Hartmann AG	21/12/2021	4267066	21844649.0	German
4267232	3R LIFE SCIENCES CORPORATION	02/12/2022	4267232	22908825.7	
4267395	Projecta Engineering S.r.l.	22/12/2021	4267395	21847535.8	
4267536	Sabir Agri-Nutrients Company	13/12/2021	4267536	21840998.5	
4267946	TIAMA	09/12/2021	4267946	21848169.5	French
4268046	Microsoft Technology Licensing, LLC	27/07/2021	4268046	21759200.5	
4268723	DRTECH CORP	24/12/2021	4268723	21911625.8	
4269048	Suntory Holdings Limited	17/04/2023	4269048	23168176.8	
4269247	Goodrich Corporation	27/03/2023	4269247	23164317.2	
4269833	Murata Machinery, Ltd.	17/11/2021	4269833	21910058.3	
4269915	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	14/04/2023	4269915	23167912.7	French
4269975	Fukuda Co., Ltd.	24/12/2021	4269975	21911108.5	
4270032	LG Energy Solution, Ltd.	18/10/2022	4270032	22887469.9	
4270287	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	01/11/2021	4270287	21913443.4	
4270321	Beijing Zitiao Network Technology Co., Ltd.	30/09/2022	4270321	22808576.7	
4270770	Nidec Corporation Nidec Instruments Corporation	24/12/2021	4270770	21915223.8	
4271342	Essity Hygiene and Health Aktiebolag	29/12/2020	4271342	20841955.6	
4271924	Cavagna Group S.p.A.	21/12/2021	4271924	21844057.6	
4272066	Razer (Asia-Pacific) Pte. Ltd.	30/12/2020	4272066	20968115.4	
4272564	Poly-clip System GmbH & Co. KG	06/05/2022	4272564	22172192.1	
4272647	BIOSENSE WEBSTER (ISRAEL) LTD.	21/12/2017	4272647	23194851.4	
4272931	Quve Co. Ltd.	14/12/2021	4272931	21915613.0	
4273117	Moresco Corporation	09/02/2022	4273117	22752757.9	

4273794	Hangzhou Hikmicro Sensing Technology Co., Ltd.	09/10/2021	4273794	21913315.4	
4274195	Nokia Solutions and Networks Oy	08/05/2023	4274195	23172016.0	
4274315	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	10/03/2021	4274315	21929556.5	
4274691	Rattunde AG	08/12/2022	4274691	22835590.5	German
4275007	Hovione Scientia Limited	18/01/2022	4275007	22700955.2	
4275151	Google LLC	01/04/2022	4275151	22722373.2	
4275969	STABILUS GmbH	11/07/2022	4275969	23199499.7	German
4276052	Marmon Foodservice Technologies, Inc.	10/05/2023	4276052	23172624.1	
4276162	The Procter & Gamble Company	13/11/2015	4276162	23198978.1	
4276310	Enerpac Tool Group Corp.	16/05/2018	4276310	23195553.5	
4277162	ViaSat Inc.	11/03/2010	4277162	23200961.3	
4277257	Honor Device Co., Ltd.	27/04/2022	4277257	22854957.2	
4278282	LA POSTE	11/01/2022	4278282	22702761.2	French
4278442	Xilinx, Inc.	04/03/2022	4278442	22712177.9	
4278944	Qingdao Haier Dishwasher Co. Ltd	07/02/2022	4278944	22755513.3	
	Haier Smart Home Co., Ltd.				
4278988	Ethicon LLC	21/12/2017	4278988	23193346.6	
4279887	ROSEMOUNT AEROSPACE INC.	15/05/2023	4279887	23173475.7	
4279923	Asahi Kasei Kabushiki Kaisha	14/01/2022	4279923	22739499.6	
4280375	Honor Device Co., Ltd.	06/05/2022	4280375	22857341.6	
4281046	LDN Pharma Limited	25/01/2022	4281046	22702657.2	
4281339	AGCO International GmbH	03/12/2021	4281339	21824673.4	
4281395	Syntegon Technology GmbH	20/01/2022	4281395	22701233.3	German
4281498	Borealis GmbH	20/01/2022	4281498	22701930.4	
4281645	Somfy Activites SA	25/01/2022	4281645	22701624.3	French
4282671	VOLVO TRUCK CORPORATION	25/05/2022	4282671	22175478.1	
4282803	KONE Corporation	25/05/2023	4282803	23175371.6	
4282856	Zhejiang Nhu Pharmaceutical Co. Ltd.	07/07/2022	4282856	22899903.3	
	Shangyu Nhu Bio-Chem Co., Ltd.				
	Zhejiang NHU Company Ltd.				
4282917	SUMITOMO CHEMICAL COMPANY, LIMITED	16/12/2021	4282917	21921292.5	
4283095	RTX Corporation	18/05/2023	4283095	23174135.6	
4283574	WAYMO LLC	04/02/2013	4283574	23202381.2	
4283644	Nanjing Chervon Industry Co., Ltd.	28/01/2022	4283644	22773911.7	
4284143	Samsung Electronics Co., Ltd.	25/04/2023	4284143	23169926.5	
4285576	Zoom Communications, Inc.	28/01/2022	4285576	22707539.7	
4285981	Northwestern University	29/03/2019	4285981	23204531.0	
4286062	Seiko Epson Corporation	15/05/2023	4286062	23173498.9	
4286392	Samsung Electronics Co., Ltd.	30/05/2023	4286392	23175981.2	
4287018	Apple Inc.	24/04/2023	4287018	23169461.3	
4287080	Google LLC	05/03/2020	4287080	23204399.2	
4287953	Alcon Inc.	01/02/2022	4287953	22706668.5	
4288277	Bridgestone Bandag, LLC	02/02/2022	4288277	22750618.5	
4288604	UNAFOR LTD	04/02/2022	4288604	22703400.6	
4288666	Hydac Technology GmbH	06/07/2022	4288666	22740392.0	German
4289082	QUALCOMM Incorporated	23/11/2021	4289082	21840761.7	
4289320	Hagleitner, Hans Georg	25/05/2023	4289320	23175360.9	German
4289744	Hamilton Sundstrand Corporation	05/06/2023	4289744	23177381.3	
4290042	Plastex SA	27/06/2022	4290042	23206355.2	
	Lombardini, Marco				
4290101	Federal-Mogul Burscheid GmbH	28/11/2018	4290101	23192651.0	German

4290199	Korea Institute of Energy Research	08/11/2022	4290199	22895948.2	
4290262	Siemens Healthineers AG	08/06/2022	4290262	22177768.3	
4290409	Jiangsu Yongde Intelligent Label Technology Co., Ltd	14/02/2022	4290409	22925433.9	
4290689	Honor Device Co., Ltd.	04/01/2023	4290689	23745813.8	
4290738	Honor Device Co., Ltd.	16/05/2022	4290738	22844957.5	
4291253	MEIKO Maschinenbau GmbH & Co. KG	10/02/2022	4291253	22705771.8	German
4291562	GILEAD SCIENCES, INC.	08/02/2022	4291562	22706464.9	
4292958	COSTRUZIONI MECCANICHE E TECNOLOGICHE S.R.L.	08/06/2023	4292958	23178220.2	
4293630	Xiaomi EV Technology Co., Ltd.	29/11/2022	4293630	22210246.9	
4294336	Purewick Corporation	18/02/2022	4294336	22710221.7	
4294473	Warsaw Orthopedic, Inc.	04/02/2022	4294473	22705660.3	
4294504	CardioInsight Technologies, Inc.	03/02/2022	4294504	22705946.6	
4294506	BIOTRONIK SE & Co. KG	07/02/2022	4294506	22705750.2	
4294813	Merck Sharp & Dohme LLC	14/02/2022	4294813	22707560.3	
4294994	TE-PLAN Korlátolt Felelősségű Társaság	03/02/2022	4294994	22755633.9	
4295097	SWEP International AB	14/02/2022	4295097	22705919.3	
4295352	VALEO SYSTEMES D'ESSUYAGE	21/02/2022	4295352	22706857.4	
4295588	Huawei Technologies Co. Ltd.	01/03/2021	4295588	21709643.7	
4295767	Ivoclar Vivadent AG	21/06/2022	4295767	22180128.5	German
4296420	Qingdao Haier Washing Machine Co., Ltd.	24/03/2022	4296420	22774296.2	
4296423	Haier Smart Home Co., Ltd.				
4296423	Qingdao Haier Drum Washing Machine Co., Ltd.	18/01/2022	4296423	22770185.1	
4296423	Haier Smart Home Co., Ltd.				
4299210	Sandvik SRP AB	01/07/2022	4299210	22182569.8	
4299443	B/E Aerospace, Inc.	29/06/2023	4299443	23182457.4	
4299545	Etex Services NV	29/06/2023	4299545	23182512.6	
4299694	Merck Patent GmbH	28/06/2023	4299694	23181945.9	
4299923	Hamilton Sundstrand Corporation	28/04/2023	4299923	23170780.3	
4299956	Tecomec S.r.l.	21/06/2023	4299956	23180531.8	
4300057	Hitachi High-Tech Analytical Science GmbH	01/07/2022	4300057	22182557.3	
4300075	Bunge SA	23/02/2022	4300075	22716848.1	
4300252	Panasonic Intellectual Property Management Co., Ltd.	16/12/2021	4300252	21928095.5	
4300278	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	07/02/2022	4300278	22762353.5	
4300290	nChain Licensing AG	05/07/2018	4300290	23197250.6	
4300613	SK On Co., Ltd.	27/04/2023	4300613	23170512.0	
4300745	SK Innovation Co., Ltd.				
4300745	Huawei Digital Power Technologies Co., Ltd.	31/03/2021	4300745	21933763.1	
4301003	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	20/05/2021	4301003	21940193.2	
4301255	Stryker Corporation	01/03/2022	4301255	22711400.6	
4301634	Autoliv Development AB	24/02/2022	4301634	22709670.8	German
4302184	Microsoft Technology Licensing, LLC	22/02/2022	4302184	22709126.1	
4303008	Canon Production Printing Holding B.V.	08/07/2022	4303008	22183845.1	
4303016	CANON KABUSHIKI KAISHA	06/07/2023	4303016	23183824.4	

4303194	Compagnie Gervais Danone	09/03/2023	4303194	23161050.2	
4303288	Nuseed Global Innovation Ltd	07/07/2015	4303288	23206971.6	
4303550	Yokogawa Electric Corporation	05/07/2023	4303550	23183620.6	
4303576	Toyota School Foundation				
4303576	HITACHI HIGH-TECH CORPORATION	08/12/2021	4303576	21929199.4	
4303741	Paramount Pictures Corporation	29/01/2014	4303741	23212630.0	
4303784	VOLVO TRUCK CORPORATION	07/07/2022	4303784	22183605.9	
4304039	Huawei Digital Power Technologies Co., Ltd.	25/03/2021	4304039	21932223.7	
4304161	Bayerische Motoren Werke Aktiengesellschaft	06/07/2023	4304161	23183975.4	
4304447	Rodenstock GmbH	11/03/2022	4304447	22714168.6	German
4304532	Lamartina, Claudio	04/03/2022	4304532	22714241.1	
4304876	Berjano Coquillat, Pedro Luis				
4304876	Bridgestone Americas Tire Operations, LLC	07/10/2021	4304876	21930579.4	
4304904	ZF CV Systems Global GmbH	01/03/2022	4304904	22710028.6	German
4305338	Praxair Technology, Inc.	10/01/2022	4305338	22706702.2	
4306090	Ontex BV	15/07/2022	4306090	22185328.6	
4306261	Ontex Group NV				
4306261	DN Solutions Co., Ltd.	15/04/2022	4306261	22788501.9	
4306345	VOLVO TRUCK CORPORATION	11/07/2022	4306345	22184143.0	
4306354	Huawei Digital Power Technologies Co., Ltd.	14/07/2023	4306354	23185519.8	
4307018	Cedes AG	14/07/2022	4307018	22185045.6	German
4307038	ENOVATE3D (HANGZHOU) TECHNOLOGY DEVELOPMENT CO., LTD.	28/10/2022	4307038	22922533.9	
4307290	Samsung Electronics Co., Ltd.	30/05/2022	4307290	22820461.6	
4307519	Huawei Digital Power Technologies Co., Ltd.	06/07/2023	4307519	23184018.2	
4307585	Koninklijke Philips N.V.	12/07/2018	4307585	23207016.9	
4307660	CANON KABUSHIKI KAISHA	11/07/2023	4307660	23184710.4	
4307855	Changxin Memory Technologies, Inc.	08/06/2022	4307855	22924558.4	
4308875	Gestamen Kutatás Fejlesztés Zrt.	25/02/2022	4308875	22715691.6	
4309024	Snap Inc.	11/03/2022	4309024	22713841.9	
4309132	Microsoft Technology Licensing, LLC	01/03/2022	4309132	22711748.8	
4309340	INOVA Semiconductors GmbH	29/09/2021	4309340	21798438.4	
4309479	Engels Familie Holding B.V.	27/06/2023	4309479	23181637.2	
4310234	Picanol	19/07/2022	4310234	22185744.4	
4310299	PRATT & WHITNEY CANADA CORP.	24/07/2023	4310299	23187334.0	
4310424	LG Electronics Inc.	20/07/2023	4310424	23186780.5	
4310982	Huawei Digital Power Technologies Co., Ltd.	22/03/2022	4310982	22778654.8	
4311516	Dentsply Sirona Inc.	27/07/2022	4311516	22187241.9	
4311533	Sirona Dental Systems GmbH				
4311533	Prometheus S.r.l.	30/11/2020	4311533	23216121.6	
4311581	TROX SE	27/07/2022	4311581	22187320.1	German
4311797	Igin Smart Hygiene Ltd	27/12/2020	4311797	23216117.4	
4311805	Carlsberg Breweries A/S	27/07/2022	4311805	22187142.9	
4312320	Adrenio GmbH	28/07/2022	4312320	22187415.9	German
4312368	EM Microelectronic-Marin SA	25/07/2022	4312368	22186739.3	
4312670	Sysco Guest Supply, LLC	22/03/2022	4312670	22715496.0	
4312703	Eltek S.p.A.	29/03/2022	4312703	22719340.6	

4312706	Boston Scientific Scimed, Inc.	26/04/2022	4312706	22724968.7	
4314194	Merck Patent GmbH	29/03/2022	4314194	22718706.9	
4314740	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	22/03/2022	4314740	22715101.6	German
4315437	Valeo Vision	23/03/2022	4315437	22717189.9	French
4315447	Ricoh Company, Ltd.	10/03/2022	4315447	22711619.1	
4315815	Google LLC	22/03/2022	4315815	22720529.1	
4316643	DAIKIN INDUSTRIES, LTD.	18/03/2022	4316643	22780254.3	
4316749	Helmut-Schmidt-Universität, Universität der Bundeswehr Hamburg	02/08/2022	4316749	22188374.7	
4316776	LG ENERGY SOLUTION, LTD.	12/12/2022	4316776	22911728.8	
4316933	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	14/04/2021	4316933	21936387.6	
4317613	Sumitomo Construction Machinery Co., Ltd.	30/03/2022	4317613	22781199.9	
4317856	Samsung Electronics Co., Ltd.	21/06/2022	4317856	22876618.4	
4317953	Stichting IMEC Nederland	17/07/2023	4317953	23185721.0	
4318009	LG ENERGY SOLUTION, LTD.	11/10/2022	4318009	22904426.8	
4318194	Honor Device Co., Ltd.	01/04/2022	4318194	22810197.8	
4318228	INTEL Corporation	12/07/2023	4318228	23185090.0	
4318242	NXP B.V.	28/07/2023	4318242	23188403.2	
4318247	Huawei Technologies Co. Ltd.	15/06/2021	4318247	21945428.7	
4318618	FUJITSU LIMITED	22/03/2021	4318618	21932866.3	
4319390	DENSO CORPORATION TOYOTA JIDOSHA KABUSHIKI KAISHA	24/03/2022	4319390	22775784.6	
4319531	Samsung Electronics Co., Ltd.	25/05/2023	4319531	23175340.1	
4320306	Lamoral Holding B.V.	08/04/2022	4320306	22717944.7	
4320421	Astrazeneca AB	08/04/2022	4320421	22719466.9	
4321468	Magswitch Automation Company	29/01/2019	4321468	23201224.5	
4321713	Renault s.a.s	07/07/2023	4321713	23184246.9	French
4322040	Winbond Electronics Corp.	13/01/2023	4322040	23151478.7	
4322300	LG Energy Solution, Ltd.	14/10/2022	4322300	22883905.6	
4322362	Electricité de France	17/11/2021	4322362	23219745.9	French
4323024	Prolitec Inc.	08/04/2022	4323024	22719472.7	
4323179	Safran Nacelles	08/04/2022	4323179	22720744.6	French
4323661	igus GmbH	08/04/2022	4323661	22721761.9	German
4323664	igus GmbH	08/04/2022	4323664	22721763.5	German
4324419	Shenzhen Ulike Smart Electronics Co., Ltd.	20/06/2023	4324419	23800297.6	
4324442	Recensmedical, Inc.	29/07/2019	4324442	24150567.6	
4324684	Huawei Digital Power Technologies Co., Ltd.	31/07/2023	4324684	23188600.3	
4324724	Hyundai Mobis Co., Ltd.	05/12/2022	4324724	22211406.8	
4325127	BSH Hausgeräte GmbH	28/07/2023	4325127	23188491.7	
4325626	LG Energy Solution, Ltd.	10/04/2023	4325626	23788544.7	
4325794	NTT DOCOMO, INC.	17/08/2022	4325794	22190721.5	
4326162	De Belloy de Saint Liénard, Claire Marie Elisabeth	19/04/2022	4326162	22723598.3	
4326173	Stryker European Operations Limited	22/04/2022	4326173	22721135.6	
4327452	Siemens Aktiengesellschaft	03/06/2022	4327452	22734229.2	German
4327526	Landis+Gyr Technology, Inc.	15/04/2022	4327526	22725327.5	
4327730	Vital Connect, Inc.	19/04/2018	4327730	23217372.4	
4327804	Xeris Pharmaceuticals, Inc.	25/09/2016	4327804	23218481.2	
4328036	RISO Technologies Corporation	07/07/2023	4328036	23184045.5	
4328507	Daikin Industries, Ltd.	21/02/2022	4328507	22795248.8	
4328828	Seiko Epson Corporation	18/08/2023	4328828	23192204.8	

4329647	Neurochase Technologies Limited	29/04/2022	4329647	22720493.0	
4329849	3D Engineering Design Limited	29/04/2022	4329849	22725285.5	
4331098	Huawei Technologies Co., Ltd.	02/07/2021	4331098	21739641.5	
4331698	Melissa & Doug, LLC	31/08/2023	4331698	23194443.0	
4332451	Daikin Industries, Ltd.	27/04/2022	4332451	22795861.8	
4332661	Apple Inc.	14/04/2021	4332661	24152439.6	
4332683	Canon Kabushiki Kaisha	14/06/2017	4332683	23219129.6	
4333408	128 Technology, Inc.	29/01/2018	4333408	23211276.3	
4333552	Google LLC	10/03/2021	4333552	24150770.6	
4334159	Safran Landing Systems	03/05/2022	4334159	22727112.9	French
4334927	Disney Enterprises, Inc.	04/05/2022	4334927	22725613.8	
4335302	Mizkan Holdings Co., Ltd.	19/08/2020	4335302	24154300.8	
4335378	Canon Medical Systems Corporation	05/09/2023	4335378	23195477.7	
4335490	The Charles Stark Draper Laboratory, Inc.	13/11/2018	4335490	24153443.7	
4335787	Franke Technology and Trademark Ltd	23/08/2023	4335787	23192914.2	
4335788	Franke Technology and Trademark Ltd	23/08/2023	4335788	23192974.6	
4336014	Joy Global Underground Mining LLC	13/12/2018	4336014	24153729.9	
4336697	Huawei Digital Power Technologies Co., Ltd.	03/06/2021	4336697	21943554.2	
4336740	Nokia Technologies Oy	02/08/2023	4336740	23189141.7	
4337455	Harburg-Freudenberger Maschinenbau GmbH	04/05/2022	4337455	22723021.6	German
4337967	Isabellenhütte Heusler GmbH & Co. KG	20/07/2022	4337967	22744224.1	German
4338081	ASSA ABLOY AB	10/05/2022	4338081	22728788.5	
4338395	Telefonaktiebolaget LM Ericsson (publ)	10/02/2022	4338395	22708829.1	
4338579	CLAAS Selbstfahrende Erntemaschinen GmbH	20/07/2023	4338579	23186590.8	German
4338621	Nicoventures Trading Limited	24/10/2018	4338621	24155721.4	
4340085	LG Energy Solution, Ltd.	24/10/2022	4340085	22887526.6	
4340340	Samsung Electronics Co., Ltd.	01/05/2020	4340340	24154939.3	
4340628	V. Mane Fils	17/05/2022	4340628	22747110.9	
4340738	Readygo Diagnostics Limited	17/05/2022	4340738	22730133.0	
4340810	Eye Pharma SpA	19/05/2022	4340810	22730154.6	
4340913	W.O.M. World of Medicine GmbH	15/05/2022	4340913	22728672.1	German
4341606	HELLA GmbH & Co. KGaA	19/05/2021	4341606	21726029.8	
4341760	VusionGroup Deutschland GmbH	18/05/2021	4341760	21728477.7	German
4342323	Nike Innovate C.V.	12/08/2022	4342323	24156688.4	
4342769	Pentland Firth Software GmbH	21/09/2022	4342769	22196927.2	
4342880	Cansino (Shanghai) Biological Research Co., Ltd.	10/05/2022	4342880	22836593.8	
4343078	Jenkem Technology Co., Ltd. (Tianjin)				
4343078	WERNER CO.	25/06/2021	4343078	24156673.6	
4344241	Honor Device Co., Ltd.	28/12/2022	4344241	22928461.7	
4347138	Graco Minnesota Inc.	03/06/2022	4347138	22738788.3	
4347212	Persico S.p.A.	16/05/2022	4347212	22730624.8	
4347262	Solutia Inc.	10/05/2022	4347262	22733769.8	
4348207	GEA Process Engineering NV	27/05/2022	4348207	22730530.7	
4349261	EP Solutions SA	07/10/2022	4349261	22200250.3	
4349552	BAM IP Holding LLC	05/10/2023	4349552	23201854.9	
4349668	Great Wall Motor Company Limited	29/03/2022	4349668	22810180.4	
4349702	Indian Motorcycle International, LLC	27/01/2021	4349702	24151582.4	
4349755	Markleen Management, S.L.	17/05/2022	4349755	22810700.9	
4349924	Nippon Paint Marine Coatings Co., Ltd.	19/07/2023	4349924	23813539.6	
4350126	RTX Corporation	05/10/2023	4350126	23201943.0	

4351385	L'OREAL	09/06/2022	4351385	22732218.7	
4351388	Wonderland Switzerland AG	10/06/2022	4351388	22732531.3	
4352292	Lindauer Dornier Gesellschaft mit beschränkter Haftung	03/06/2022	4352292	22732136.1	German
4352349	RTX Corporation	13/06/2022	4352349	22738201.7	
4352722	SAFRAN	08/06/2022	4352722	22735550.0	French
4353553	ZF CV Systems Global GmbH	26/09/2023	4353553	23199595.2	
4353650	TK Elevator Innovation and Operations GmbH	10/10/2022	4353650	22200506.8	German
4353774	Polykey Polymers, S.L. Universidad del País Vasco/Euskal Herriko Unibertsitatea Basque Center for Macromolecular Design and Engineering, POLYMAT Fundazioa	10/10/2022	4353774	22382958.1	
4354112	Perimetrics, Inc.	30/12/2018	4354112	24159646.9	
4354764	Huawei Technologies Co., Ltd.	05/07/2022	4354764	22836893.2	
4354832	Huawei Technologies Co., Ltd.	21/05/2019	4354832	23208341.0	
4355026	BORGWARNER EMISSIONS SYSTEMS SPAIN, S.L.U.	13/10/2022	4355026	22382973.0	
4355617	Behr, Peter Behr, Daniel	10/06/2022	4355617	22732530.5	German
4355661	Lagora	09/06/2022	4355661	22733583.3	French
4355973	Campiglia, Carla Martinelli, Roberto	14/06/2022	4355973	22734046.0	
4356277	Microsoft Technology Licensing, LLC	18/05/2022	4356277	22730648.7	
4356493	Siemens Aktiengesellschaft	15/06/2022	4356493	22737380.0	German
4356506	Huawei Digital Power Technologies Co., Ltd.	08/10/2021	4356506	21789718.0	
4356869	Gamborena Querejeta, José Ignacio Pi Urgell, Joan	19/10/2022	4356869	22383001.9	
4356925	Takeda Vaccines, Inc.	18/10/2023	4356925	23204288.7	
4357159	Sumitomo Rubber Industries, Ltd.	21/09/2023	4357159	23198835.3	
4357555	Tongji University	08/11/2022	4357555	22927598.7	
4357885	Nokia Technologies Oy	21/10/2022	4357885	22203143.7	
4358795	pronorm Einbauküchen GmbH	22/06/2022	4358795	22746950.9	German
4358802	Wonderland Switzerland AG	23/06/2022	4358802	22735163.2	
4359204	Pinweld Limited	20/06/2022	4359204	22736334.8	
4360899	Polska Wytwornia Papierow Wartosciowych S.A.	26/10/2023	4360899	23206229.9	
4360930	Hyundai Mobis Co., Ltd.	19/12/2022	4360930	22214647.4	
4360978	McLaren Automotive Limited	25/10/2023	4360978	23205868.5	
4361284	Gen-Probe Incorporated	09/12/2020	4361284	24164098.6	
4361472	ALSTOM Holdings	24/10/2022	4361472	22306610.1	French
4361826	NXP B.V.	18/10/2023	4361826	23204357.0	
4362023	NXP USA, Inc.	18/10/2023	4362023	23204287.9	
4362413	Industrial Security Provide Ltd.	29/11/2022	4362413	22871108.1	
4363406	Astrazeneca AB Mitsubishi Tanabe Pharma Corporation	01/07/2022	4363406	22744149.0	
4363458	Syensqo Specialty Polymers Italy S.p.A.	23/06/2022	4363458	22738407.0	
4363462	Syensqo Specialty Polymers Italy S.p.A.	23/06/2022	4363462	22738406.2	
4363866	Támogatott Kutatócsoportok Irodája Budapesti Műszaki és Gazdaságtudományi Egyetem	27/06/2022	4363866	22760768.6	
4364551	Nanjing Chervon Industry Co., Ltd.	16/10/2023	4364551	23203680.6	

4364584	Körber Technologies GmbH	24/10/2023	4364584	23205465.0	German
4365367	ANDRITZ INC.	17/09/2013	4365367	24166235.2	
4365710	Samsung Electronics Co., Ltd.	28/09/2022	4365710	22876839.6	
4366285	Samsung Display Co., Ltd.	28/09/2018	4366285	24164365.9	
4366292	Brother Kogyo Kabushiki Kaisha	18/10/2023	4366292	23204300.0	
4366448	Kyocera Corporation	03/08/2022	4366448	22853089.5	
4366975	ONgineer GmbH	05/07/2022	4366975	22738483.1	German
4367215	Koninklijke Philips N.V.	05/07/2022	4367215	22743810.8	
4368268	RES RIDES AG Ride Engineers Switzerland	14/11/2022	4368268	22207268.8	German
4368343	Schwaborn Geraetebau GmbH	19/10/2023	4368343	23204538.5	German
4368415	Continental Reifen Deutschland GmbH	26/10/2023	4368415	23206084.8	German
4369190	Honeywell International Inc.	16/10/2023	4369190	23203919.8	
4370033	Solventum Intellectual Properties Company	05/07/2022	4370033	22744524.4	
4370290	Koninklijke Philips N.V.	13/07/2022	4370290	22736311.6	
4370363	Bayerische Motoren Werke Aktiengesellschaft	08/07/2022	4370363	22741276.4	German
4370471	BASF SE	12/07/2022	4370471	22748041.5	
4370508	BASF SE	04/07/2022	4370508	22735923.9	
4370593	Evoenzyme, S.L. Repsol, S.A.	15/07/2022	4370593	22750831.4	
4370990	Robert Bosch GmbH	01/07/2022	4370990	22747270.1	German
4371308	GOOGLE LLC	04/10/2022	4371308	22801260.5	
4371762	Nike Innovate C.V.	30/11/2017	4371762	24150112.1	
4371862	SRAM, LLC.	20/11/2023	4371862	23210949.6	
4372189	ERA Home Security Limited	17/02/2023	4372189	23157306.4	
4372217	General Electric Company	11/10/2023	4372217	23203046.0	
4373100	Samsung Electronics Co., Ltd.	20/06/2022	4373100	22858591.5	
4373624	SMS group GmbH	08/07/2022	4373624	22748023.3	German
4373707	Wonderland Switzerland AG	22/07/2022	4373707	22747712.2	
4373759	BASF SE	22/07/2022	4373759	22757512.3	
4373765	Exotec Product France	20/07/2022	4373765	22744223.3	French
4374023	Teleco Automation S.R.L.	21/07/2022	4374023	22748473.0	
4374109	IFP Energies nouvelles TotalEnergies OneTech	04/07/2022	4374109	22734654.1	French
4374301	Vulog	20/07/2022	4374301	22754844.3	French
4374305	Vulog	20/07/2022	4374305	22754850.0	French
4374431	SG1 S.r.l.	19/07/2022	4374431	22748470.6	
4375047	Krones AG	17/11/2023	4375047	23210587.4	German
4375056	Continental Reifen Deutschland GmbH	09/11/2023	4375056	23208676.9	German
4375093	Continental Reifen Deutschland GmbH	02/11/2023	4375093	23207542.4	German
4375468	GEZE GmbH	04/10/2023	4375468	23201536.2	German
4375518	A. Raymond et Cie	21/11/2023	4375518	23211259.9	French
4375524	Aktiebolaget SKF	30/10/2023	4375524	23206617.5	
4375568	Hella Autotechnik Nova, s.r.o.	23/11/2022	4375568	22209098.7	
4375752	Zhuhai Pantum Electronics Co., Ltd.	16/11/2023	4375752	23210241.8	
4375754	Oki Electric Industry Co., Ltd.	14/11/2023	4375754	23209704.8	
4375763	ETA SA Manufacture Horlogère Suisse	24/11/2022	4375763	22209465.8	French
4375933	TOYOTA JIDOSHA KABUSHIKI KAISHA	22/11/2022	4375933	22208901.3	
4377075	Continental Reifen Deutschland GmbH	12/07/2022	4377075	22746959.0	German
4377170	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	18/07/2022	4377170	22751094.8	German
4377228	K-fee System GmbH	01/08/2022	4377228	22761427.8	German
4377229	K-fee System GmbH	01/08/2022	4377229	22761428.6	German

4377230	K-fee System GmbH	01/08/2022	4377230	22761429.4	German
4377511	A.CELLI PAPER S.P.A.	25/07/2022	4377511	22747790.8	
4377584	ContiTech Deutschland GmbH	04/07/2022	4377584	22782844.9	German
4377644	MITSUBISHI ELECTRIC CORPORATION	16/06/2023	4377644	23741801.7	
4377741	Nexdot	29/07/2022	4377741	22754431.9	
4378350	Lumson S.p.A.	27/11/2023	4378350	23212328.1	
4378693	SII Printek Inc.	28/11/2023	4378693	23212687.0	
4378768	Robert Bosch GmbH	13/07/2022	4378768	22754916.9	
4378988	Qingdao Doublestar Tire Industrial Co., Ltd.	10/07/2023	4378988	23823292.0	
4379492	Schako KG	30/11/2023	4379492	23213461.9	German
4380157	Velos Media International Limited	09/11/2012	4380157	24171827.9	
4380449	Koninklijke Philips N.V.	28/07/2022	4380449	22757287.2	
4380769	CyBe Construction BV	31/07/2022	4380769	22789705.5	
4380893	NEXTCHEM TECH S.p.A.	04/08/2021	4380893	21790245.1	
4381180	Schaeffler Technologies AG & Co. KG	20/07/2022	4381180	22751736.4	German
4381206	Voith Patent GmbH	25/07/2022	4381206	22755157.9	German
4381219	Sew-Eurodrive GmbH & Co. KG	11/07/2022	4381219	22744111.0	German
4381582	Sew-Eurodrive GmbH & Co. KG	11/07/2022	4381582	22740423.3	German
4382253	fischerwerke GmbH & Co. KG	01/12/2023	4382253	23213587.1	German
4382655	Beko Europe Management S.r.l.	04/12/2023	4382655	23214011.1	
4382847	VALEO SYSTEMES THERMIQUES	05/12/2022	4382847	22211359.9	
4383064	Suzuki Motor Corporation	25/10/2023	4383064	23205794.3	
4383558	Ciel et Terre International	04/12/2023	4383558	23214081.4	French
4383660	LG Electronics Inc.	18/07/2022	4383660	22853299.0	
4383687	Amadeus S.A.S.	08/12/2022	4383687	22315319.8	
4384125	Alpinestars Research S.p.A.	05/08/2022	4384125	22754956.5	
4384344	TOX PRESSOTECHNIK GmbH & Co. KG	06/07/2022	4384344	22747296.6	German
4384373	Robert Bosch GmbH	08/07/2022	4384373	22748017.5	German
4384457	ZOJA, Manuelito	29/07/2022	4384457	22778046.7	
4384771	Sera Ingenierie	29/07/2022	4384771	22754442.6	French
4385102	Robert Bosch GmbH	25/07/2022	4385102	22757527.1	German
4385459	Alcon Inc.	19/12/2019	4385459	24166190.9	
4386415	The General Hospital Corporation	15/12/2022	4386415	22213936.2	
4386469	Siemens Healthineers AG				
4386469	Wenzhou Eyekeeper Technology Co., Ltd.	07/07/2023	4386469	23184019.0	
4387393	Miele & Cie. KG	20/11/2023	4387393	23210888.6	German
4387551	Koninklijke Philips N.V.	06/07/2022	4387551	22744452.8	
4387889	Rutten Herstal SRL	18/08/2022	4387889	22762149.7	French
4388068	Partners for Endoscopy Limited	04/10/2022	4388068	22789991.1	
4388213	Tirsan Kardan Sanayi Ve Ticaret Anonim Sirketi	04/07/2022	4388213	22861818.7	
4388374	Siemens Aktiengesellschaft	27/10/2022	4388374	22808839.9	German
4388727	Signify Holding B.V.	20/07/2022	4388727	22755089.4	
4388913	Lee, Cheonggeun	06/11/2023	4388913	23207863.4	
4388995	Stryker European Operations Limited	22/07/2020	4388995	24167877.0	
4389004	Biosense Webster (Israel) Ltd.	20/12/2023	4389004	23218455.6	
4389054	Shanghai Droidsurg Medical Co., Ltd	02/06/2021	4389054	24167106.4	
4389091	Paul Hartmann AG	15/12/2023	4389091	23217007.6	German
4389092	Paul Hartmann AG	15/12/2023	4389092	23217021.7	German
4389116	Dechra Ltd	10/01/2023	4389116	23151010.8	
4389219	Aerochemica Dr. Deppe GmbH	21/12/2022	4389219	22215412.2	German
4389351	Max Co., Ltd.	21/12/2023	4389351	23219246.8	
4389352	Max Co., Ltd.	21/12/2023	4389352	23219247.6	

4389604	AIRBUS OPERATIONS	15/12/2023	4389604	23216990.4	French
4389951	Groz-Beckert KG	21/12/2022	4389951	22215342.1	German
4389952	Fuse London Ltd	25/01/2018	4389952	24151906.5	
	Spin Master Ltd.				
4389960	LG Electronics Inc.	29/01/2021	4389960	24169534.5	
4390167	Aktiebolaget SKF	14/12/2023	4390167	23216754.4	
4390985	Premo, SL	21/12/2022	4390985	22383252.8	
4391273	Huawei Digital Power Technologies Co., Ltd.	06/12/2023	4391273	23214562.3	
4391673	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	24/09/2021	4391673	21957851.5	
4392114	B. Braun Melsungen AG	24/05/2023	4392114	23729986.2	German
4392199	INTEL Corporation	05/08/2022	4392199	22757632.9	
4392355	Robot System Automation S.R.L. Barnini S.r.l.	23/08/2022	4392355	22765950.5	
4393349	King Slide Works Co., Ltd.	07/06/2023	4393349	23178105.5	
	King Slide Technology Co., Ltd.				
4393352	Zhejiang Sanhe Kitchenware Co., Ltd.	13/06/2023	4393352	23866686.1	
4393629	LG Energy Solution, Ltd.	15/11/2022	4393629	22901622.5	
4393707	Solventum Intellectual Properties Company	06/11/2019	4393707	24173374.0	
4393713	Ricoh Company, Ltd.	19/12/2023	4393713	23218027.3	
4393745	Renault s.a.s	18/12/2023	4393745	23217454.0	French
4394222	XIAMEN JIANWU INDUSTRIAL CO., LTD.	18/09/2021	4394222	21957153.6	
4394453	Samsung Electronics Co., Ltd.	11/10/2022	4394453	22883846.2	
4394552	STMicroelectronics S.r.l.	07/04/2022	4394552	24176237.6	
4395161	Somfy Activites SA	01/12/2023	4395161	23213747.1	French
4397931	Ways SAS	04/01/2024	4397931	24150450.5	French
4398119	Samsung Electronics Co., Ltd.	05/12/2023	4398119	23214461.8	
4398205	Mashang Consumer Finance Co., Ltd.	01/02/2023	4398205	23822630.2	
4398244	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	07/07/2011	4398244	24167817.6	
4398247	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	07/07/2011	4398247	24167820.0	
4399085	Henkel AG & Co. KGaA	30/06/2022	4399085	22743470.1	German
4399901	Oracle International Corporation	10/08/2022	4399901	22764538.9	
4399972	crop.zone GmbH	23/12/2020	4399972	24178748.0	German
4400048	Retractable Technologies, Inc. Shaw, Thomas J.	14/12/2018	4400048	24179176.3	
4400186	Antonio Zamperla S.p.A.	15/01/2024	4400186	24151890.1	
4400338	Hyundai Mobis Co., Ltd.	13/11/2023	4400338	23209385.6	
4400754	Saint-Gobain Pam Canalisation	12/08/2020	4400754	24179106.0	French
4400922	VEGA Grieshaber KG	11/01/2023	4400922	23151077.7	German
4400969	Huawei Technologies Co. Ltd.	06/07/2017	4400969	24168942.1	
4401404	Huawei Technologies Co. Ltd.	02/06/2010	4401404	24160284.6	
4401741	PALTECH	14/09/2022	4401741	22801214.2	
4401941	Subsea 7 Limited	15/09/2022	4401941	22789983.8	
4401950	KOK & VAN ENGELN COMPOSITE STRUCTURES B.V.	15/09/2022	4401950	22773555.2	
4402271	Universidad de Castilla-la Mancha Universitat Politècnica de València Consejo Superior De Investigaciones Científicas	15/09/2022	4402271	22789883.0	
4402412	RIOGLASS SOLAR SCH, SL	12/09/2022	4402412	22773265.8	

4403206	The Regents of The University of Michigan	16/05/2018	4403206	24180772.6	
4403336	LG Energy Solution, Ltd.	02/12/2022	4403336	22911680.1	
4403785	Honor Device Co., Ltd.	05/05/2023	4403785	23810788.2	
4404775	Swedish Match North Europe AB	22/09/2022	4404775	22782517.1	
4405070	Cobra Beheer B.V.	22/09/2022	4405070	22777204.3	
4405216	ZF Friedrichshafen AG	15/08/2022	4405216	22772796.3	German
	ZF CV Systems Europe BV				
4405746	THALES	15/09/2022	4405746	22789522.4	French
4405995	HAGER-ELECTRO SAS	20/09/2022	4405995	22785725.7	French
4406047	Verkor	05/12/2023	4406047	23825467.6	French
4406384	Lumifoil AB	19/09/2022	4406384	22778082.2	
4406594	Madrigal Pharmaceuticals, Inc.	17/09/2013	4406594	24173563.8	
	F. Hoffmann-La Roche Ltd				
4406749	Kyocera Corporation	21/04/2023	4406749	23796259.2	
4407322	Robert Bosch GmbH	08/07/2022	4407322	24176735.9	German
4407619	Samsung Electronics Co., Ltd.	20/10/2023	4407619	23204785.2	
4407921	Samsung Electronics Co., Ltd.	27/09/2023	4407921	23200224.6	
4408002	Samsung Electronics Co., Ltd.	15/03/2021	4408002	24181634.7	
4408910	BASF SE	28/09/2022	4408910	22797707.1	
4409127	Liebherr-Components Deggendorf GmbH	14/12/2022	4409127	22838753.6	German
4409151	igus GmbH	22/09/2022	4409151	22782530.4	German
4409182	Akwel Sweden AB	29/09/2022	4409182	22793760.4	French
4409307	Robert Bosch GmbH	25/07/2022	4409307	22755161.1	German
4409379	Microsoft Technology Licensing, LLC	25/07/2022	4409379	22754663.7	
4409843	Oracle International Corporation	28/09/2022	4409843	22798002.6	
4410101	Eberhardt GmbH	17/01/2024	4410101	24152405.7	German
4410146	Fidlock GmbH	03/03/2022	4410146	24177650.9	German
4410185	BIOSENSE WEBSTER (ISRAEL) LTD.	29/12/2023	4410185	23220720.9	
4410256	The Procter & Gamble Company	30/08/2018	4410256	24168241.8	
4411103	Grant Prideco, Inc.	26/01/2024	4411103	24154116.8	
4411237	PRATT & WHITNEY CANADA CORP.	26/01/2024	4411237	24154277.8	
4411257	Intuis & Cie	05/02/2024	4411257	24155851.9	French
4411511	Huawei Technologies Co., Ltd.	11/12/2020	4411511	24161628.3	
4411770	ABB SCHWEIZ AG	02/02/2023	4411770	23154779.5	
4412807	Koenig & Bauer AG	27/01/2023	4412807	23702970.7	German
4412912	PHOENIX CONTACT GmbH & Co. KG	29/09/2022	4412912	22801712.5	German
4413225	Hettich-Heinze GmbH & Co. KG	19/09/2022	4413225	22789546.3	German
4413358	Carl Zeiss SMT GmbH	05/10/2022	4413358	22800205.1	
4413609	TECHNISCHE UNIVERSITÄT WIEN	04/10/2022	4413609	22798324.4	German
4413721	Cetitec GmbH	28/09/2022	4413721	22793556.6	
4413811	Sony Group Corporation	29/09/2022	4413811	22790547.8	
4414046	MANN+HUMMEL LIFE SCIENCES & ENVIRONMENT HOLDING SINGAPORE PTE. LTD.	13/02/2023	4414046	23156201.8	
4414099	GFM GmbH	23/03/2022	4414099	24186035.2	German
4414193	AISIN CORPORATION	04/10/2022	4414193	22878506.9	
4414555	General Electric Renovables España S.L.	09/02/2023	4414555	23382116.4	
4415006	Hitachi Energy Ltd	13/02/2023	4415006	23156259.6	
4415249	Yamaha Hatsudoki Kabushiki Kaisha	02/01/2024	4415249	24150064.4	
4415257	KABUSHIKI KAISHA TOSHIBA	24/08/2023	4415257	23193174.2	
4415534	Invers	13/10/2022	4415534	22793241.5	French

4415582	Formenti & Giovenzana S.p.A.	10/10/2022	4415582	22801222.5	
4415598	Miele & Cie. KG	05/10/2022	4415598	22801042.7	German
4415992	Renault s.a.s	28/09/2022	4415992	22797722.0	French
4416019	Kautex Textron GmbH & Co. KG	15/10/2021	4416019	21797971.5	
4416416	Szrom, Marcin	05/10/2022	4416416	22802247.1	
4416597	Telefonaktiebolaget LM Ericsson (publ)	13/10/2021	4416597	21790897.9	
4416909	Lenovo (Singapore) Pte. Ltd.	24/11/2021	4416909	21820175.4	
4417276	Tyrolia Technology GmbH	06/02/2024	4417276	24155959.0	German
4417354	TIPMAN CO., LTD.	28/10/2022	4417354	22907045.3	
4417374	Jiangsu Dongcheng Tools Technology Co., Ltd	09/05/2023	4417374	23866700.0	
4417736	RM2 Technology LLC	14/11/2014	4417736	24174622.1	
4418495	Xiaomi EV Technology Co., Ltd.	31/10/2023	4418495	23207010.2	
4419595	Solutum Technologies Ltd	26/12/2022	4419595	22844687.8	
4419878	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN SAFRAN Safran Electronics & Defense Safran Landing Systems	19/10/2022	4419878	22803014.4	French
4420229	Huawei Digital Power Technologies Co., Ltd.	09/11/2021	4420229	21809992.7	
4421313	Wobben Properties GmbH	26/05/2020	4421313	24181013.4	German
4421332	fischerwerke GmbH & Co. KG	01/02/2024	4421332	24155157.1	German
4421836	Siemens Aktiengesellschaft	27/02/2023	4421836	23158854.2	
4422844	Dow Global Technologies LLC	26/10/2022	4422844	22813796.4	
4422871	APS France	10/08/2022	4422871	22764413.5	French
4422885	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	29/10/2021	4422885	21810147.5	
4423413	Bontaz Centre	20/10/2022	4423413	22813640.4	French
4423514	Saint-Gobain Glass France	27/10/2022	4423514	22809450.4	
4423595	Huawei Technologies Co. Ltd.	16/11/2021	4423595	21815957.2	
4424041	Cisco Technology, Inc.	28/10/2022	4424041	22830065.3	
4424181	CHINA TOBACCO YUNNAN INDUSTRIAL CO., LTD	14/06/2022	4424181	22899840.7	
4424406	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	14/02/2024	4424406	24157686.7	French
4424575	ORBEA, S. COOP.	02/03/2023	4424575	23382189.1	
4425383	DeepMind Technologies Limited	22/05/2018	4425383	24181457.3	
4426594	Continental Automotive Technologies GmbH	27/10/2022	4426594	22801990.7	German
4426803	Chevron Oronite Company LLC ExxonMobil Chemical Patents Inc.	04/11/2022	4426803	22818558.3	
4426925	Robert Bosch GmbH	27/07/2022	4426925	22757937.2	German
4426964	Giacomini S.p.A.	17/01/2023	4426964	23705059.6	
4427281	SAFT	22/09/2022	4427281	22782881.1	French
4427604	Philip Morris Products S.A.	07/10/2021	4427604	24183358.1	
4427619	Moa Sport Mantovani Vincenzo S.r.l.	19/01/2024	4427619	24152939.5	
4427798	Shenzhen GEMO Science and Technology Co., Ltd.	30/11/2023	4427798	23213249.8	
4428310	Takeuchi Mfg. Co., Ltd.	28/07/2023	4428310	23188326.5	
4428734	Oracle International Corporation	08/03/2024	4428734	24162222.4	
4428814	GÖPEL electronic GmbH Robert Bosch GmbH	08/03/2024	4428814	24162347.9	German
4429109	GigaDevice Semiconductor Inc.	28/11/2023	4429109	23212697.9	

4429165	nChain Licensing AG	12/02/2021	4429165	24191234.4	
4430323	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	25/10/2022	4430323	22803042.5	French
4430333	STABILUS GmbH	22/11/2022	4430333	22822878.9	German
4430478	Advanced Micro Devices, Inc. ATI Technologies ULC	30/06/2023	4430478	23832383.6	
4430986	Chromavis S.p.A.	11/03/2024	4430986	24162692.8	
4431684	King Slide Works Co., Ltd. King Slide Technology Co., Ltd.	07/07/2023	4431684	23184168.5	
4431691	Veka AG	11/03/2024	4431691	24162732.2	German
4431981	SICK AG	24/01/2024	4431981	24153800.8	German
4432813	Precision Planting LLC	19/10/2022	4432813	22799984.4	
4432971	Koninklijke Philips N.V.	08/11/2022	4432971	22817122.9	
4432974	Koninklijke Philips N.V.	11/11/2022	4432974	22818219.2	
4433152	Boston Scientific Neuromodulation Corporation	30/11/2022	4433152	22834824.9	
4433182	Antonio Zamperla S.p.A.	15/11/2021	4433182	21815138.9	
4433199	DOW GLOBAL TECHNOLOGIES LLC	15/11/2022	4433199	22839022.5	
4433341	BREMBO S.p.A.	14/11/2022	4433341	22834714.2	
4433376	I.M.A. Industria Macchine Automatiche S.p.A.	15/11/2022	4433376	22822690.8	
4433798	Expertmed S.r.L.	18/11/2022	4433798	22823620.4	
4435084	iPreg Inc.	29/05/2023	4435084	23175916.8	
4436619	Audi AG	12/10/2022	4436619	22802917.9	German
4436857	Siemens Mobility GmbH	01/12/2022	4436857	22823087.6	German
4437188	Grotti S.r.l.	24/10/2022	4437188	22798196.6	
4437208	Julius Blum GmbH	22/11/2022	4437208	22813399.7	German
4438987	MITSUBISHI ELECTRIC CORPORATION	27/03/2023	4438987	23164320.6	
4440018	Viavi Solutions Inc.	27/03/2024	4440018	24166887.0	
4440888	ZF CV Systems Global GmbH	02/11/2022	4440888	22805904.4	German
4440911	LIF (Lab) Lepage, Charlotte Barbaroux, Jean-Baptiste	06/01/2023	4440911	23703266.9	French
4440998	AGC Glass Europe	30/11/2022	4440998	22823518.0	
4440999	AGC Glass Europe	30/11/2022	4440999	22823517.2	
4441000	AGC Glass Europe	30/11/2022	4441000	22823519.8	
4441001	AGC Glass Europe	30/11/2022	4441001	22823520.6	
4441324	SOILMEC S.P.A.	30/11/2022	4441324	22826211.9	
4441355	Safran Nacelles	02/12/2022	4441355	22834693.8	French
4441443	Chase Research Cryogenics Limited	01/12/2022	4441443	22821597.6	
4442506	CI 85 (Carrosserie Industrielle et Services)	29/03/2024	4442506	24167898.6	French
4442733	Jenkem Technology Co., Ltd. (Tianjin)	09/01/2023	4442733	23739955.5	
4442773	MITSUBISHI PENCIL COMPANY, LIMITED	02/04/2024	4442773	24168043.8	
4443191	Infineon Technologies AG	04/04/2023	4443191	23166452.5	
4443810	Commissariat à l'Energie Atomique et aux Energies Alternatives	05/04/2023	4443810	23305495.6	
4444108	Symrise AG	07/12/2021	4444108	21834756.5	
4444115	Philip Morris Products S.A.	05/12/2022	4444115	22830218.8	
4444176	Koninklijke Philips N.V.	29/11/2022	4444176	22822971.2	
4444534	SAFRAN	06/12/2022	4444534	22843849.5	French
4444579	Valeo Vision	07/12/2022	4444579	22834908.0	French
4445334	AUMOVIO Autonomous Mobility Germany GmbH	10/11/2022	4445334	22808952.0	German

4445688	Cook, Graham Arthur Way, Joshua Samuel	25/11/2022	4445688	22817331.6	
4445973	Shenzhen Qianyan Technology Ltd. Shenzhen Intellirocks Tech. Co., Ltd.	21/10/2023	4445973	23205067.4	
4446007	VELLAP Diagnostics GmbH	13/04/2023	4446007	23167713.9	German
4446054	Roland Mandler GmbH & Co. KG	14/04/2023	4446054	23167981.2	German
4446206	SpeedInnov	12/04/2023	4446206	23305545.8	
4446533	Aug. Winkhaus SE & Co. KG	19/03/2024	4446533	24164522.5	German
4447741	NIKE Innovate C.V.	21/04/2022	4447741	22722064.7	
4448155	Bühler AG	21/02/2024	4448155	24705694.8	German
4448221	Atlas Copco Industrial Technique AB	14/12/2022	4448221	22844267.9	
4448265	VESTAS WIND SYSTEMS A/S	12/12/2022	4448265	22847122.3	
4448383	Safran Electronics & Defense	16/12/2022	4448383	22850585.5	French
4448931	SAFRAN AIRCRAFT ENGINES	12/12/2022	4448931	22840260.8	French
4449009	G.D S.p.A.	23/11/2022	4449009	22813753.5	
4449289	Telefonaktiebolaget LM Ericsson (publ)	12/04/2022	4449289	22717921.5	
4449694	Cisco Technology, Inc.	14/12/2022	4449694	22851158.0	
4449806	Telefonaktiebolaget LM Ericsson (publ)	15/12/2022	4449806	22830955.5	
4451809	Shenzhen Qianyan Technology LTD. Shenzhen Intellirocks Tech. Co., Ltd.	10/10/2023	4451809	23202550.2	
4451842	Silnova GmbH	19/12/2022	4451842	22840125.3	German
4451877	Université de Limoges	22/12/2022	4451877	22850597.0	French
4452882	Saint-Gobain Glass France	16/12/2022	4452882	22839695.8	French
4453163	EUROTAB OPERATIONS	22/12/2022	4453163	22850731.5	French
4453236	The United States of America, as represented by the Secretary, Department of Health and Human Services	21/12/2022	4453236	22854698.2	
4453543	Horiba Instruments Incorporated	22/12/2022	4453543	22854296.5	
4454741	Kansai Altan Boya Sanayi Ve Ticaret A.S.	24/04/2023	4454741	23169444.9	
4454963	ZF CV Systems Europe BV	26/04/2023	4454963	23170056.8	
4455053	Mecalux, S.A.	24/04/2023	4455053	23728390.8	
4455379	SHIMA SEIKI MFG., LTD.	22/04/2024	4455379	24171573.9	
4455727	NXP B.V.	21/03/2024	4455727	24165059.7	
4456067	Samsung Electronics Co., Ltd	12/01/2023	4456067	23770943.1	
4456742	Philip Morris Products S.A.	29/12/2022	4456742	22844234.9	
4456825	Solventum Intellectual Properties Company	27/12/2022	4456825	22843401.5	
4456981	Carthera	28/12/2022	4456981	22844506.0	French
4457165	Koenig & Bauer AG	19/04/2023	4457165	23721600.7	German
4457511	LUMICKS CA Holding B.V.	29/12/2022	4457511	22844224.0	
4457512	LUMICKS CA Holding B.V.	29/12/2022	4457512	22844225.7	
4458598	BCS S.p.A.	30/04/2024	4458598	24173351.8	
4459137	fischerwerke GmbH & Co. KG	02/05/2024	4459137	24173704.8	German
4459138	fischerwerke GmbH & Co. KG	02/05/2024	4459138	24173706.3	German
4459408	Volvo Autonomous Solutions AB	03/05/2023	4459408	23171302.5	
4460605	Studio Solarix B.V.	06/01/2023	4460605	23700083.1	
4461447	Yamabiko Corporation	06/05/2024	4461447	24174321.0	
4461489	TWT S.r.l.	10/05/2024	4461489	24175111.4	
4461975	Knapp Holding GmbH	09/05/2023	4461975	23172336.2	German
4463026	Whimpossible Ltd Opher, Eyal	19/12/2022	4463026	22839414.4	
4463640	Schaeffler Technologies AG & Co. KG	30/11/2022	4463640	22821297.3	German
4466183	SAFRAN AIRCRAFT ENGINES	18/01/2023	4466183	23706388.8	French
4466294	ROQUETTE FRERES	18/01/2023	4466294	23702045.8	French

4466320	Saint-Gobain Weber France	18/01/2023	4466320	23701104.4	French
4466600	Cryovac, LLC	07/03/2023	4466600	23713218.8	
4466976	Maschinenfabrik Bernard Krone GmbH & Co. KG	12/04/2024	4466976	24169939.6	German
4467408	VOLKSWAGEN AG CARIAD SE	15/05/2024	4467408	24176061.0	German
4467447	Airbus Operations, S.L.U.	23/05/2023	4467447	23382480.4	
4468978	Nuvasive, Inc.	04/01/2023	4468978	23702950.9	
4469273	Saint-Gobain Sekurit France	25/01/2023	4469273	23701736.3	German
4469274	Saint-Gobain Sekurit France	25/01/2023	4469274	23701737.1	German
4469618	Aixtron SE	19/01/2023	4469618	23701363.6	German
4469777	Bayerische Motoren Werke Aktiengesellschaft	17/01/2023	4469777	23701273.7	German
4470580	Archer Biotechnology Development Co., Ltd. Su, Chien-Chung	31/05/2024	4470580	24179222.5	
4470689	Commissariat à l'Energie Atomique et aux Energies Alternatives	31/05/2024	4470689	24179221.7	French
4471848	Valeo eAutomotive Germany GmbH	24/05/2024	4471848	24178045.1	
4472808	Solystic	03/02/2023	4472808	23702816.2	French
4473060	Wacker Chemie AG	19/01/2023	4473060	23701392.5	
4474025	Shenzhen Yile Dynamic Technology Co., LTD	07/07/2023	4474025	23184084.4	
4474612	Renson NV	03/06/2024	4474612	24179623.4	
4474785	Techem Energy Services GmbH	02/05/2024	4474785	24173944.0	German
4476182	Sicit Group S.p.A.	09/02/2023	4476182	23709268.9	
4476474	"KR15T5" UNIPESSOAL LDA FILIALE	03/06/2024	4476474	24732368.6	
4476572	CooperVision International Limited	25/09/2023	4476572	23785833.7	
4477475	MAZDA MOTOR CORPORATION	14/06/2024	4477475	24182136.2	
4479671	Nord-Micro GmbH & Co. Ohg	01/02/2023	4479671	23703034.1	German
4480010	Singulus Technologies AG	19/01/2023	4480010	23701407.1	German
4481404	SAGEMCOM ENERGY & TELECOM SAS	12/06/2024	4481404	24181771.7	French
4483013	Phononic Vibes S.r.l.	22/02/2023	4483013	23706762.4	
4484242	Volvo Car Corporation	27/06/2023	4484242	23181829.5	
4484967	Kries Ingenieurbüro GmbH & Co. KG	26/06/2023	4484967	23181529.1	German
4485378	Axis AB	27/06/2023	4485378	23181628.1	
4485800	POLITECHNIKA WARSZAWSKA	07/08/2018	4485800	24208861.5	
4487041	VIR Valvoindustria Ing. Rizzio S.p.A.	01/03/2023	4487041	23709163.2	
4488820	aiMotive Kft.	05/07/2023	4488820	23183657.8	
4489590	Casillo, Angelo Casillo, Gennaro	10/01/2024	4489590	24703233.7	
4490210	ORGANIK KIMYA SAN. VE TIC. A.S. Organik Kimya Netherlands BV	02/03/2023	4490210	23707759.9	
4491486	DTEC GmbH	14/07/2023	4491486	23185573.5	
4492013	SICK AG	26/04/2024	4492013	24172641.3	German
4492735	SAGEMCOM BROADBAND SAS	10/07/2024	4492735	24187628.3	French
4494778	Schlatter Industries AG	20/07/2023	4494778	23186783.9	German
4494794	Naldi, Valter	16/07/2024	4494794	24189026.8	
4494834	Persico S.p.A.	16/05/2022	4494834	24197978.0	
4495371	Athmer oHG	19/07/2023	4495371	23186489.3	German
4496182	MAHLE International GmbH	20/07/2023	4496182	23186697.1	
4496183	MAHLE International GmbH	20/07/2023	4496183	23186698.9	
4497313	Nanjing Chervon Industry Co., Ltd.	07/06/2024	4497313	24180652.0	
4497316	Nanjing Chervon Industry Co., Ltd.	04/06/2024	4497316	24179790.1	

4497962	Brembo S.p.A.	26/07/2024	4497962	24191223.7	
4497998	Oilon Technology Oy	05/07/2024	4497998	24186813.2	
4498033	CiTEX Holding GmbH	10/07/2024	4498033	24187756.2	German
4498171	FUJIFILM Business Innovation Corp.	19/02/2024	4498171	24158419.2	
4499386	Thermapet Technologies Pte. Ltd.	08/03/2023	4499386	23710185.2	German
4499961	Emuca S.A.	27/03/2023	4499961	23713670.0	
4501174	King Slide Works Co., Ltd.	26/01/2024	4501174	24154139.0	
	King Slide Technology Co., Ltd.				
4501396	JTG Solutions, S.L.	01/08/2023	4501396	23382805.2	
4504474	Toncelli, Dario	04/04/2023	4504474	23722941.4	
4505854	Tecomec S.r.l.	04/07/2024	4505854	24186429.7	
4506718	SICK AG	08/07/2024	4506718	24187186.2	German
4509327	OVD Kinegram AG	30/05/2022	4509327	24202952.8	German
4511234	Memjet Technology Limited	05/04/2023	4511234	23716326.6	
4512495	Che, Xiaoling	13/08/2024	4512495	24194321.6	
	Duan, Jinyan				
4512956	PPK (Shanghai) Packaging Co., Ltd.	07/12/2022	4512956	25151035.0	
4513544	SHINKO ELECTRIC INDUSTRIES CO., LTD.	21/08/2024	4513544	24195620.0	
4514782	Astrazeneca AB	18/05/2023	4514782	23727858.5	
4516508	Wiesböck, Ludwig	14/08/2024	4516508	24194466.9	German
4516639	Technische Hochschule Ulm	31/08/2023	4516639	23194661.7	
4516744	Beijing Easpring Material Technology Co., Ltd.	09/10/2023	4516744	23202406.7	
4517300	Flooring Technologies Ltd.	31/08/2023	4517300	23194577.5	German
4518810	INVENT MEDICAL GROUP, S.R.O.	02/05/2023	4518810	23733615.1	
4519199	Société des Produits Nestlé S.A.	28/04/2023	4519199	23723504.9	
4520232	Jiangsu Sanjo Intelligent Technology Co., Ltd.	30/07/2024	4520232	24191918.2	
	Photon Robot (Ningbo) Co., Ltd.				
4520233	Jiangsu Sanjo Intelligent Technology Co., Ltd.	30/07/2024	4520233	24191919.0	
	Photon Robot (Ningbo) Co., Ltd.				
4524472	Rolls-Royce plc	25/03/2024	4524472	25155567.8	
4524529	Martínez Lluch, Antonio	10/11/2023	4524529	23820970.4	
4527065	AUDI AG	09/05/2023	4527065	23726006.2	German
4528729	Dolby International AB	19/03/2018	4528729	25156639.4	
4531820	NTT Research, Inc.	31/05/2022	4531820	22732463.9	
4535391	Mik Electronic Corporation	17/08/2023	4535391	23833295.1	
4536173	Unilever Global IP Limited	06/06/2023	4536173	23731206.1	
4536462	CooperVision International Limited	19/07/2023	4536462	23751059.9	
4539799	Peruza, Sia	22/07/2024	4539799	24749035.2	
4543781	Haas, Fabian	12/09/2024	4543781	24771932.1	German
	Bahr, Ulrich				
4544177	Morina, Shpetim	16/06/2023	4544177	23732973.5	
	Heta, Ramiz				
4554562	MedinCell SA	10/01/2024	4554562	24700866.7	
4555376	CooperVision International Limited	26/10/2023	4555376	23810427.7	
4558259	Johnson Matthey Public Limited Company	18/07/2024	4558259	24746792.1	
4568913	Wittur Holding GmbH	09/10/2023	4568913	23789772.3	
4570727	Hieber, Dominik	01/10/2024	4570727	24203844.6	German
4571458	OVH	15/12/2023	4571458	23307234.7	
4572314	Aptiv Technologies AG	15/12/2023	4572314	23217328.6	

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2487335	RTX Corporation	23/01/2012	2487335	12152061.3	
2585551	Halliburton Energy Services Inc.	21/06/2011	2585551	11728369.7	
2658104	Hamilton Sundstrand Corporation	23/04/2013	2658104	13164898.2	
2674598	Marelli Europe S.p.A.	12/06/2013	2674598	13171758.9	
2682052	Adidas AG	08/07/2013	2682052	13175499.6	
2784599	Disney Enterprises, Inc.	17/01/2014	2784599	14151681.5	
2815810	Kellogg Brown & Root LLC	13/02/2012	2815810	12753263.8	
2882444	ZS Pharma, Inc	22/10/2013	2882444	13849651.8	
2912203	MGA Thermal Pty Ltd	22/10/2013	2912203	13849028.9	
2912349	Auburn Gear, LLC	01/03/2013	2912349	13849472.9	
2916846	Drawbridge Pharmaceuticals Pty Ltd	06/11/2013	2916846	13853492.0	
2964156	Mayo Foundation for Medical Education and Research	04/03/2014	2964156	14760202.3	
3006144	Nitto Kohki Co., Ltd.	28/05/2014	3006144	14803350.9	
3010841	Ocado Innovation Limited	12/06/2014	3010841	14737326.0	
3017287	Cytomos Limited	04/07/2014	3017287	14747970.3	
3071102	THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH	20/11/2014	3071102	14864081.6	
3085239	DMK Deutsches Milchkontor GmbH	25/04/2015	3085239	15165143.7	German
3097142	Henkel AG & Co. KGaA	22/01/2015	3097142	15702926.5	
3108015	Covestro Deutschland AG	19/02/2015	3108015	15705036.0	
3122081	KDDI Corporation	12/03/2015	3122081	15764224.0	
3127154	Texas Instruments Incorporated	30/01/2015	3127154	15742923.4	
3129725	L'Garde, Inc.	09/03/2015	3129725	15776061.2	
3144121	South China University of Technology Guangzhou Huaxinke Intelligent Manufacturing Technology Co., Ltd.	13/07/2015	3144121	15793301.1	
3152399	Officine Maccaferri Italia S.r.l.	28/05/2015	3152399	15732416.1	
3154450	Intershunt Technologies, Inc. Vardi, Gil	12/06/2015	3154450	15807173.8	
3154679	Umicore AG & Co. KG	15/06/2015	3154679	15728024.9	
3159426	Fujimi Incorporated	18/10/2016	3159426	16194314.7	
3192355	Nisula, Ali	11/01/2017	3192355	17150979.7	
3197375	Think Surgical, Inc.	23/09/2015	3197375	15845042.9	
3201439	New Way Machine Components, Inc.	29/09/2015	3201439	15847735.6	
3212562	The Coca-Cola Company	30/10/2015	3212562	15854221.7	
3214479	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. Friedrich-Schiller-Universität Jena	28/02/2017	3214479	17158452.7	German
3220808	Nike Innovate C.V.	19/11/2015	3220808	15816919.3	
3232779	Biotech, Inc.	21/12/2015	3232779	15871266.1	
3233409	Elysee Piping Systems Limited	04/12/2015	3233409	15831229.8	
3233963	Poly-Med Inc.	18/12/2015	3233963	15871232.3	
3235488	Otsuka Pharmaceutical Factory, Inc. Otsuka Techno Corporation	17/12/2015	3235488	15870051.8	
3238736	GemVax & Kael Co., Ltd.	22/12/2015	3238736	15873613.2	
3241059	Essilor International	30/12/2015	3241059	15837139.3	
3243105	E Ink Corporation	05/01/2016	3243105	16735290.5	
3245555	Essilor International	14/01/2016	3245555	16703340.6	French
3259811	Ferdinand-Braun-Institut gGmbH, Leibniz-Institut für Höchstfrequenztechnik	18/02/2016	3259811	16704864.4	German
3265374	CSL Enterprise Holdings Limited	04/03/2016	3265374	16713994.8	
3268295	Maricap OY	08/03/2016	3268295	16761145.8	
3274760	Jabil Inc.	28/03/2016	3274760	16773928.3	
3277767	POLYVANTIS GmbH	23/03/2016	3277767	16714317.1	German
3278352	DH Technologies Development PTE. Ltd.	22/03/2016	3278352	16771481.5	
3283900	Texas Instruments Incorporated	13/04/2016	3283900	16780653.8	
3287218	Kyocera Corporation	27/04/2012	3287218	17188378.8	
3297164	LS Automotive Technologies Co., Ltd.	20/10/2016	3297164	16860137.5	
3300738	Korea Institute of Science and Technology	11/04/2016	3300738	17201805.3	

3301439	PHC Holdings Corporation	27/11/2009	3301439	17197312.6	
3302977	Actega Metal Print GmbH	27/05/2016	3302977	16732757.6	
3303833	Vestas Wind Systems A/S	23/05/2016	3303833	16725358.2	
3304856	IPLA Holdings Inc.	03/06/2016	3304856	16731708.0	
3310201	New Balance Athletics, Inc.	13/06/2016	3310201	16733784.9	
3317711	Microsoft Technology Licensing, LLC	23/06/2016	3317711	16736334.0	
3323523	Victaulic Company	11/08/2015	3323523	17202758.3	
3324930	DFB Soria, LLC	16/09/2016	3324930	16778937.9	
3328575	Primetals Technologies USA LLC	25/07/2016	3328575	16745387.7	
3328873	Caris Science, Inc.	28/07/2016	3328873	16831384.9	
3329576	Relink Limited	27/07/2016	3329576	16831274.2	
3339943	Fielmann Ventures GmbH	21/12/2016	3339943	16205896.0	
3351120	Liven, S.A.U.	04/05/2016	3351120	16789357.7	
3358462	Tata Consultancy Services Limited	28/03/2017	3358462	17163301.9	
3359864	Pressure Pipe Relining Sweden AB	07/10/2016	3359864	16853995.5	
3367301	Samsung Display Co., Ltd.	22/02/2018	3367301	18158104.2	
3368561	Medimmune Limited	28/10/2016	3368561	16788515.1	
3373146	INTEL Corporation	23/11/2015	3373146	18165252.0	
3374327	Yara International ASA	10/11/2016	3374327	16801154.2	
3378139	Roxtec AB	07/11/2016	3378139	16866746.7	
3379941	PepsiCo, Inc.	18/11/2016	3379941	16869105.3	
3383324	Edwards Lifesciences Corporation	02/12/2016	3383324	16871658.7	
3384942	Becton, Dickinson and Company	11/01/2010	3384942	18173862.6	
3391174	BOE Technology Group Co., Ltd.	02/12/2016	3391174	16874741.8	
3393902	Thales	22/12/2016	3393902	16816313.7	French
3399976	The Regents of the University of California	04/01/2017	3399976	17736233.2	
3401558	Mitsubishi Heavy Industries, Ltd.	28/12/2016	3401558	16897123.2	
3402950	Inter IKEA Systems B.V.	13/01/2017	3402950	17738728.9	
3403340	Samsung Electronics Co., Ltd.	09/01/2017	3403340	17738606.7	
3406104	Nokia Solutions and Networks Oy	19/01/2016	3406104	16701736.7	
3406729	Zhejiang Hisun Pharmaceutical Co., Ltd.	20/01/2016	3406729	16885588.0	
3412215	Covidien LP	18/05/2018	3412215	18173304.9	
3413727	PM-International AG	08/02/2017	3413727	17703979.9	German
3415417	The Boeing Company	08/06/2018	3415417	18176849.0	
3416196	Shangrao Xinyuan YueDong Technology Development Co. Ltd	06/02/2018	3416196	18155274.6	
3417776	Keio University	15/02/2017	3417776	17753214.0	
3422354	Fenwal, Inc.	25/06/2018	3422354	18179551.9	
3423297	Tesla, Inc.	23/02/2017	3423297	17760495.6	
3425623	Beijing Xiaomi Mobile Software Co., Ltd.	29/06/2018	3425623	18180743.9	
3426733	STEINBACHER, Franz	07/03/2016	3426733	16717694.0	
3428953	Scienta Omicron AB	06/03/2012	3428953	18184080.2	
3429357	BASF SE	14/03/2017	3429357	17709719.3	
3432390	Universidad Carlos III de Madrid	16/03/2017	3432390	17765906.7	
3432835	Edwards Lifesciences Corporation	24/03/2017	3432835	17771284.1	
3437210	Hughes Network Systems, LLC	29/03/2017	3437210	17716394.6	
3437424	Sharp Kabushiki Kaisha	29/03/2017	3437424	17776554.2	
3439555	Medtronic MiniMed, Inc.	04/04/2017	3439555	17718263.1	
3439738	Chrono Eyewear B.V.	04/04/2017	3439738	17718435.5	
3442280	Sharp Kabushiki Kaisha	03/04/2017	3442280	17779092.0	
3442324	Semillas Fito, S. A.	28/04/2017	3442324	17725518.9	
3444530	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	06/04/2017	3444530	17781829.1	
3445048	Holo Surgical Inc.	15/08/2017	3445048	17186307.9	
3448073	Samsung Electronics Co., Ltd.	30/05/2017	3448073	17820410.3	
3448242	Bayer Healthcare LLC	27/04/2017	3448242	17722602.4	
3449279	R3Vox Ltd.	26/04/2017	3449279	17790354.9	
3451636	LG Electronics Inc.	12/06/2018	3451636	18177216.1	
3454682	Nicoventures Trading Limited	12/05/2017	3454682	17726220.1	
3454860	Beta Pharma, Inc.	11/05/2017	3454860	17796819.5	
3455996	Nokia Technologies Oy	09/05/2016	3455996	16901562.5	

3459019	SILICON STORAGE TECHNOLOGY, INC.	12/05/2017	3459019	17799921.6	
	The Regents of the University of California				
3459720	JF Polymers (Suzhou) Co., Ltd.	26/04/2016	3459720	18200852.4	
3460915	Samsung Electronics Co., Ltd.	13/09/2018	3460915	18194313.5	
3463588	Symrise AG	30/05/2016	3463588	16728868.7	
3464689	Jorgenson, Robbie	26/05/2017	3464689	17803716.4	
3465884	Moteurs Leroy-Somer	06/06/2017	3465884	17727892.6	French
3466453	Seoul Viosys Co. Ltd.	24/05/2017	3466453	17806927.4	
3468606	Liqmeds Limited	07/06/2017	3468606	17737639.9	
3469216	Edwards Limited	16/05/2017	3469216	17725727.6	
3471657	Nobel Biocare Services AG	20/06/2017	3471657	17732863.0	
3472744	Giesecke+Devrient ePayments GmbH	31/05/2017	3472744	17729010.3	German
3475853	Siemens Industry Software Inc.	28/07/2016	3475853	16747716.5	
3477822	Romax Technology Limited	30/10/2018	3477822	18203564.2	
3480569	Yamaha Corporation	05/11/2018	3480569	18204313.3	
3483311	Gen9, Inc.	24/06/2013	3483311	18194361.4	
3483844	TOYOTA JIDOSHA KABUSHIKI KAISHA	13/11/2018	3483844	18205920.4	
3484121	Capital One Services, LLC	07/11/2018	3484121	18205037.7	
3488047	Huhtamaki Molded Fiber Technology B.V.	21/07/2017	3488047	17755273.4	
3490648	Avent, Inc.	14/07/2017	3490648	17743448.7	
3491856	Sharp Kabushiki Kaisha	25/07/2017	3491856	17835095.5	
3492786	Microtecnica S.r.l.	01/12/2017	3492786	17204962.9	
3492962	Samsung Electronics Co., Ltd.	26/07/2018	3492962	18185773.1	
3496848	Clarkson University	08/08/2016	3496848	16751797.8	
3497509	Rodenstock GmbH	20/06/2017	3497509	17734985.9	German
3498102	Société des Produits Nestlé S.A.	13/12/2018	3498102	18212466.9	
3500024	Sun Patent Trust	21/06/2013	3500024	19152717.5	
3500922	Altera Corporation	20/07/2017	3500922	17844079.8	
3501117	QUALCOMM Incorporated	01/08/2017	3501117	17751916.2	
3502145	ASAHI KASEI KABUSHIKI KAISHA	07/08/2017	3502145	17841419.9	
3503875	Canopy Growth Corporation	29/08/2017	3503875	17847412.8	
3504461	ContiTech Vibration Control GmbH	12/06/2017	3504461	17731104.0	German
3506297	Ethicon LLC	11/09/2018	3506297	18193595.8	
3506449	Nordex Energy Spain, S.A.	24/05/2018	3506449	18382356.6	
3507627	HOYA OPTICAL LABS OF AMERICA, INC	01/09/2017	3507627	17847652.9	
3507758	Chicago Mercantile Exchange Inc.	21/06/2017	3507758	17737105.1	
3508872	Goodrich Corporation	28/12/2018	3508872	18248239.8	
3510822	ZTE Corporation	28/09/2017	3510822	17926842.0	
3511349	FUJIFILM Corporation	21/07/2017	3511349	17848429.1	
3511751	Sumitomo Electric Industries, Ltd.	05/09/2017	3511751	17848769.0	
3513092	D Morrison Consulting Inc	16/08/2017	3513092	17849951.3	
3513585	Qualcomm Incorporated	16/08/2017	3513585	17785059.1	
3515460	The University Court Of The University of Edinburgh	18/09/2017	3515460	17783964.4	
3518662	Bioret Agri-Logette Confort	02/10/2017	3518662	17792114.5	French
3519183	Essel Propack Ltd.	28/09/2017	3519183	17855183.4	
3520008	ORANGE	28/09/2017	3520008	17787493.0	French
3520263	Apple Inc.	29/09/2017	3520263	17785102.9	
3520555	Apple Inc.	27/06/2017	3520555	17737965.8	
3520950	Rohr, Inc.	08/01/2019	3520950	19150845.6	
3529286	ExxonMobil Chemical Patents Inc.	04/10/2017	3529286	17787736.2	
3531430	NTN Corporation	08/11/2016	3531430	16919203.6	
3534254	Rakuten Group, Inc.	27/10/2016	3534254	16919989.0	
3535573	Robert Bosch GmbH	21/09/2017	3535573	17777209.2	German
3536368	MannKind Corporation	09/11/2011	3536368	19168470.3	
3539651	Saudi Arabian Oil Company	14/03/2018	3539651	18382168.5	
	Consejo Superior de Investigaciones Científicas (CSIC)				
	Universitat Politecnica de Valencia				

3540309	CANNON BONO S.P.A.	12/03/2018	3540309	18161206.0	
3540607	salesforce.com, inc.	05/11/2018	3540607	18204312.5	
3544684	The Brigham and Women's Hospital, Inc.	22/11/2017	3544684	17872994.3	
3545221	Parker-Hannifin Corporation	08/11/2017	3545221	17808251.7	
3545594	Ørsted Wind Power A/S	10/10/2017	3545594	17787901.2	
3545792	WashTec Holding GmbH	28/03/2019	3545792	19165999.4	German
3545826	Nihon Kohden Corporation	29/03/2019	3545826	19166164.4	
3549059	Koninklijke Philips N.V.	22/11/2017	3549059	17812258.6	
3551418	B.Braun Medical SAS	30/09/2016	3551418	16815714.7	French
3552905	Hyundai Motor Company	29/11/2018	3552905	18209168.6	
	Kia Corporation				
3554736	Alcotec Wire Corporation	16/12/2016	3554736	16923657.7	
3555794	Blanco Technology Group IP Oy	02/02/2018	3555794	18703307.1	
3557086	Illinois Tool Works, Inc.	16/04/2019	3557086	19169557.6	
3558658	GP System	20/12/2017	3558658	17838047.3	French
3558788	KNORR-BREMSE Systeme für Schienenfahrzeuge GmbH	12/12/2017	3558788	17816722.7	German
3562519	Scent Experience, S.L.U.	28/12/2017	3562519	17825880.2	
3566572	Tomofun Co., Ltd.	08/05/2019	3566572	19173210.6	
3567324	Trane International Inc.	09/05/2019	3567324	19173578.6	
3567595	DEKA Products Limited Partnership	20/12/2013	3567595	19182943.1	
3569468	ALSTOM Holdings	14/05/2018	3569468	18172150.7	
3571940	KT & G Corporation	18/01/2018	3571940	18741016.2	
3574314	TechnipFMC Subsea France	24/01/2018	3574314	18704882.2	French
3575071	Crompton Technology Group Limited	30/05/2018	3575071	18275073.7	
3575514	Biondan North America Inc.	30/05/2019	3575514	19177531.1	
3575967	ORANGE	23/05/2019	3575967	19176100.6	French
3577039	Ocado Innovation Limited	01/02/2018	3577039	18703297.4	
3577468	HighRes Biosolutions, Inc.	31/01/2018	3577468	18705776.5	
3580302	CMBlu Energy AG	13/02/2018	3580302	18706458.9	
3580389	CMBlu Energy AG	13/02/2018	3580389	18706457.1	
3580659	Alibaba Group Holding Limited	09/02/2018	3580659	18751406.2	
3581148	Biomet 3I, LLC	05/02/2014	3581148	19163882.4	
3582685	Fundació Institut d'Investigació en Ciències de la Salut Germans Trias i Pujol	16/02/2018	3582685	18704566.1	
3583708	ThinKom Solutions	14/02/2018	3583708	18707573.4	
3584835	InnoLux Corporation	30/04/2019	3584835	19171788.3	
3588575	INTEL Corporation	17/05/2019	3588575	19175268.2	
3589207	IBEX Innovations Limited	01/03/2018	3589207	18718902.2	
3589580	Schlumberger Technology B.V.	02/03/2018	3589580	18760736.1	
3591359	Linde GmbH	06/06/2019	3591359	19020364.6	German
3592330	Givaudan SA	08/03/2018	3592330	18711269.3	
3593356	Koninklijke Philips N.V.	08/03/2018	3593356	18711266.9	
3593390	Ricoh Company, Ltd.	05/03/2018	3593390	18711712.2	
3595606	Care Strategic D.I.R. Holdings Pty. Ltd.	15/03/2018	3595606	18768544.1	
3596891	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	13/03/2018	3596891	18711093.7	
3596896	Visa International Service Association	15/03/2017	3596896	17900418.9	
3598418	The Boeing Company	10/07/2019	3598418	19185433.0	
3600415	Novartis AG	20/03/2018	3600415	18719334.7	
	Beth Israel Deaconess Medical Center, Inc.				
3601449	The United States Of America As Represented By The Secretary of the Navy	28/11/2017	3601449	17903389.9	
3603648	Shionogi & Co., Ltd	28/03/2018	3603648	18775491.6	
3606646	BL Technologies, Inc.	29/03/2018	3606646	18718347.0	
3608666	Thermo Finnigan LLC	01/08/2019	3608666	19189573.9	
3608756	Apple Inc.	16/07/2019	3608756	19186552.6	
3610849	Kao Corporation	09/04/2018	3610849	18784620.9	
3611828	Flender GmbH	16/08/2018	3611828	18189260.5	German
3611898	Adeia Media Solutions Inc.	13/03/2013	3611898	19179538.4	
3612176	Genfit	18/04/2018	3612176	18718462.7	
3616240	Micron Technology, Inc.	02/04/2018	3616240	18790949.4	

3618136	Mikuni Electron Corporation	17/07/2019	3618136	19186679.7	
3618604	CNH Industrial Belgium N.V. Autonomous Solutions, Inc.	01/05/2018	3618604	18726629.1	
3619171	United Rentals, Inc.	25/07/2019	3619171	19794871.4	
3621253	Huawei Technologies Co., Ltd.	31/12/2017	3621253	17911912.8	
3621688	Pacesetter, Inc.	07/05/2018	3621688	18727514.4	
3622152	Julius Blum GmbH	04/05/2018	3622152	18733154.1	German
3623714	Samsung Electronics Co., Ltd.	19/07/2018	3623714	18854420.9	
3624576	Fuji Corporation	10/05/2017	3624576	17909081.6	
3625179	Corning Incorporated	15/05/2018	3625179	18727991.4	
3626652	F. Hoffmann-La Roche AG	20/09/2018	3626652	18195680.6	
3627194	Essilor International	20/09/2018	3627194	18306224.9	
3627832	Yamaha Corporation	20/09/2019	3627832	19198684.3	
3627852	Sony Group Corporation	02/05/2018	3627852	18802088.7	
3629248	Samsung Electronics Co., Ltd.	04/09/2019	3629248	19195403.1	
3629300	INTEL Corporation	26/06/2019	3629300	19182738.5	
3629891	Medichanical Engineering APS	31/05/2018	3629891	18729093.7	
3630165	Eli Lilly and Company	18/05/2018	3630165	18729289.1	
3631357	Centre National de la Recherche Scientifique	23/05/2018	3631357	18724590.7	French
3631565	Dispelix Oy	18/05/2018	3631565	18809972.5	
3632965	Latexx Manufacturing SDN. BHD.	02/03/2017	3632965	19210944.5	German
3634342	APRICOT GMBH	08/06/2018	3634342	18740498.3	German
3634948	Institut National de la Santé et de la Recherche Médicale (INSERM) Centre National de la Recherche Scientifique Nantes Université Chu, Nantes	06/06/2018	3634948	18728642.2	
3635587	Wix.com Ltd.	07/06/2018	3635587	18813721.0	
3637431	FUJITSU LIMITED	12/10/2018	3637431	18200109.9	
3639487	Nokia Technologies Oy	13/06/2017	3639487	17732682.4	
3641329	Alcatel Submarine Networks	17/10/2018	3641329	18306361.9	
3641360	Panasonic Intellectual Property Corporation of America	17/05/2018	3641360	18818375.0	
3641475	Vivo Mobile Communication Co., Ltd.	12/06/2018	3641475	18818907.0	
3642805	MOVYON S.p.A.	19/06/2018	3642805	18740901.6	
3644149	Kabushiki Kaisha Yaskawa Denki	17/10/2019	3644149	19203779.4	
3644900	Open Stent Solution	26/06/2018	3644900	18822634.4	
3646241	Huddly Inc.	25/06/2018	3646241	18825019.5	
3646715	CNH Industrial Belgium NV	02/11/2018	3646715	18204210.1	
3647761	Kawasaki Jukogyo Kabushiki Kaisha	17/05/2018	3647761	18825520.2	
3647852	BOE Technology Group Co., Ltd.	01/02/2018	3647852	18769939.2	
3648286	Samsung SDI Co., Ltd.	30/10/2018	3648286	18203308.4	
3648579	Whitney, Charles T.	15/06/2018	3648579	18738102.5	
3648810	Smith & Nephew plc	02/07/2018	3648810	18740523.8	
3650009	Liu, Qi	07/07/2017	3650009	17916890.1	
3651543	Samsung Electronics Co., Ltd.	27/07/2018	3651543	18848264.0	
3651699	Paragon 28, Inc.	11/07/2018	3651699	18831633.5	
3652145	Orphalan S.A.	03/05/2019	3652145	19724752.1	
3652559	Li, Brandon Li, Gregory	22/03/2019	3652559	19774688.6	
3653271	Hill-Rom Services, Inc.	15/11/2013	3653271	19219026.2	
3653626	Daewoong Pharmaceutical Co., Ltd.	12/07/2018	3653626	18832639.1	
3654237	ARKRAY, Inc. Sumitomo Life Welfare And Culture Foundation	06/11/2019	3654237	19207547.1	
3654563	MellanoX Technologies, Ltd.	12/11/2019	3654563	19208717.9	
3656601	Amogreentech Co., Ltd.	11/06/2018	3656601	18835181.1	
3656989	RTX Corporation	21/11/2019	3656989	19210777.9	
3658179	Janssen Vaccines & Prevention B.V. Massachusetts Institute Of Technology	27/07/2018	3658179	18762177.6	

3659282	QUALCOMM Incorporated	25/07/2018	3659282	18758994.0	
3661514	MyoKardia, Inc.	03/08/2018	3661514	18759209.2	
3661981	ExxonMobil Chemical Patents Inc.	22/06/2018	3661981	18740481.9	
3663586	Gree Green Refrigeration Technology Center Co., Ltd. of Zhuhai	04/06/2018	3663586	18875486.5	
3663830	Samsung Electronics Co., Ltd.	05/12/2019	3663830	19213806.3	
3663974	HERE Global B.V.	04/12/2019	3663974	19213544.0	
3665876	Snap Inc.	08/08/2018	3665876	18842992.2	
3665944	IPCom GmbH & Co. KG	08/08/2018	3665944	18758830.6	
3665950	Nokia Technologies Oy	11/08/2017	3665950	17920898.8	
3666229	Waldemar Link GmbH & Co. KG	10/12/2018	3666229	18211379.5	German
3666319	Fisher & Paykel Healthcare Limited	03/06/2010	3666319	19211737.2	
3669456	RF360 Singapore Pte. Ltd.	02/08/2018	3669456	18750166.3	
3669712	All-Clad Metalcrafters LLC	10/12/2019	3669712	19214681.9	
3670805	Aumüller Aumatic GmbH	12/12/2019	3670805	19215482.1	German
3671340	Samsung Electronics Co., Ltd. Korea Advanced Institute of Science and Technology	06/06/2019	3671340	19178751.4	
3672490	Carestream Dental Technology Topco Limited	21/08/2018	3672490	18759285.2	
3673572	Advanced Micro Devices, Inc.	21/08/2018	3673572	18848109.7	
3673603	Qualcomm Incorporated	22/08/2018	3673603	18765272.2	
3675580	Samsung Electronics Co., Ltd.	27/12/2019	3675580	19219890.1	
3676977	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	24/08/2018	3676977	18756253.3	
3677742	Somfy Activites SA	26/12/2019	3677742	19219719.2	French
3677818	RTX Corporation	24/12/2019	3677818	19219645.9	
3677931	University Of Seoul Industry Cooperation Foundation	10/05/2018	3677931	18879465.5	
3678567	Adagio Medical, Inc.	05/09/2018	3678567	18853221.2	
3678568	Boston Scientific Scimed Inc.	05/07/2018	3678568	18854593.3	
3679811	JT International SA	10/01/2019	3679811	19151251.6	
3680580	Copeland LP	06/05/2015	3680580	20159604.6	
3681112	Huawei Technologies Co., Ltd.	09/07/2018	3681112	18863203.8	
3681865	R. J. Reynolds Tobacco Company	05/09/2018	3681865	18779031.6	
3685946	Black & Decker Inc.	14/01/2020	3685946	20151622.6	
3685994	Ivoclar Vivadent AG	24/01/2019	3685994	19153519.4	German
3687418	Weber, Paul	25/09/2018	3687418	18859414.7	
3687468	Cega Innovations, Inc.	29/05/2018	3687468	18731718.5	
3688897	Warner Bros. Entertainment Inc.	28/09/2018	3688897	18860182.7	
3691331	Electronics And Telecommunications Research Institute	30/10/2010	3691331	20164185.9	
3691553	Mullin Patents, LLC	04/10/2018	3691553	18864910.7	
3691593	Lakany, Heba	02/10/2018	3691593	18785705.7	
3693499	Kuraray Co., Ltd.	28/09/2018	3693499	18864845.5	
3694309	Jarousseau, Yves	09/10/2018	3694309	18808416.4	French
3694636	The Falcon Project Ltd	08/10/2018	3694636	18783465.0	
3694796	KRONES Aktiengesellschaft	02/10/2018	3694796	18783421.3	German
3695860	Poly Medicure Limited	22/09/2017	3695860	20160632.4	
3699029	Koito Manufacturing Co., Ltd.	16/10/2018	3699029	18868081.3	
3699060	Hitachi, Ltd.	04/10/2018	3699060	18869344.4	
3699075	HITACHI RAIL STS S.P.A. Nine Intelligent (Changzhou) Tech Co., Ltd.	08/05/2019	3699075	19768691.8	
3699222	Hemicellulose Ltd.	04/12/2019	3699222	19213466.6	
3700564	Elanco Animal Health GmbH	07/12/2018	3700564	18829225.4	
3701851	FUJIFILM Corporation	27/02/2020	3701851	20159693.9	
3702700	HORECO2 Dry Ice Blasting Equipment & Service Co., Ltd.	17/12/2019	3702700	19217101.5	
3703227	Kabushiki Kaisha Toshiba	15/01/2020	3703227	20152058.2	
3705923	Sumitomo Electric Industries, Ltd.	02/11/2018	3705923	18872419.9	
3706648	Boston Scientific Scimed, Inc.	07/11/2018	3706648	18812465.5	

3709163	Kabushiki Kaisha Toshiba	29/08/2019	3709163	19194326.5	
3709168	Samsung Electronics Co., Ltd.	03/03/2020	3709168	20160774.4	
3709759	Volkswagen Aktiengesellschaft	13/03/2019	3709759	19162469.1	
3709802	Triticum Exploitation B.V.	15/11/2018	3709802	18842470.9	
3710807	Bruker Nano, Inc.	13/11/2018	3710807	18876275.1	
3710858	ABB Schweiz AG	17/11/2017	3710858	17804839.3	
3711659	Contemporary Han Cloud Co., Ltd	11/06/2019	3711659	20171508.3	
3713787	Volvo Truck Corporation	24/11/2017	3713787	17837897.2	
3714369	Alibaba Group Holding Limited	21/12/2018	3714369	18892960.8	
3715349	Jiangsu Ascentage Biomed Development Inc.	20/11/2018	3715349	18881691.2	
	HEALTHQUEST PHARMA INC.				
3715569	Ningbo Pentagon Damper Co., Ltd.	05/11/2018	3715569	18894196.7	
3716262	Sony Group Corporation	10/10/2019	3716262	19874236.3	
3716526	Acer Incorporated	28/08/2019	3716526	19193960.2	
3716581	Ctera Networks, Ltd.	18/03/2020	3716581	20163872.3	
3716617	CANON KABUSHIKI KAISHA	11/03/2020	3716617	20162320.4	
3716645	Nitto Denko Corporation	20/11/2018	3716645	18880654.1	
3717007	Compugen Ltd.	28/11/2018	3717007	18811506.7	
	Bayer Aktiengesellschaft				
	Bayer Pharma Aktiengesellschaft				
3717024	Copernicus Therapeutics, Inc.	28/11/2018	3717024	18883916.1	
	Clearside Biomedical				
3717417	Corning Incorporated	28/11/2018	3717417	18819430.2	
3720926	Steeper Energy ApS	09/11/2018	3720926	18800916.1	
3721184	Mettler Toledo Instrument (Shanghai) Company Limited	30/11/2018	3721184	18885819.5	
	Mettler-Toledo International Trading (Shanghai) Co., Ltd.				
3721306	KUKA Deutschland GmbH	12/11/2018	3721306	18803613.1	German
3723203	TE Connectivity Germany GmbH	07/04/2020	3723203	20168387.7	
3723494	Société des Produits Nestlé S.A.	13/12/2018	3723494	18814983.5	
3726521	Sony Group Corporation	10/10/2019	3726521	19873732.2	
3726634	Zeon Corporation	04/12/2018	3726634	18887412.7	
3726726	JTEKT CORPORATION	16/04/2020	3726726	20169835.4	
3727217	Millet Innovation	12/12/2018	3727217	18833472.6	French
3728571	Carbios	21/12/2018	3728571	18829396.3	
3729487	Micromass UK Limited	21/12/2018	3729487	18829956.4	
3730581	DAIKIN INDUSTRIES, LTD.	18/12/2018	3730581	18892001.1	
3730742	RTX Corporation	15/04/2020	3730742	20169674.7	
3731155	ABB Schweiz AG	25/04/2019	3731155	19171036.7	
3731306	SK Innovation Co., Ltd.	24/04/2020	3731306	20171419.3	
	SK ie technology Co., Ltd.				
3731743	Samsung Electronics Co., Ltd.	12/02/2020	3731743	20743575.1	
3732756	ams-OSRAM International GmbH	27/12/2018	3732756	18896645.1	
3734263	Hanwha Solutions Corporation	29/11/2018	3734263	18896720.2	
3736491	Kyungdong Navien Co., Ltd.	04/05/2020	3736491	20172777.3	
3736565	Korea Research Institute of Chemical Technology	28/12/2018	3736565	18898135.1	
3737050	Huawei Technologies Co., Ltd.	11/10/2019	3737050	19871722.5	
3737229	Spotta Limited	11/01/2019	3737229	19701143.0	
3738074	Immersion Networks, Inc.	07/01/2019	3738074	19736149.6	
3738251	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	12/01/2018	3738251	18701818.9	
3739896	Samsung Electronics Co., Ltd.	07/01/2019	3739896	19788486.9	
3743668	NeoGraf Solutions, LLC	11/01/2019	3743668	19705559.3	
3744367	Sooil Development Co., Ltd.	25/10/2019	3744367	19205345.2	
3744377	Fisher & Paykel Healthcare Limited	01/05/2013	3744377	20169412.2	
3744725	Glycom A/S	14/05/2012	3744725	20182361.4	
3744768	Toray Industries, Inc.	17/01/2019	3744768	19744140.5	
3747003	LG Electronics Inc.	30/10/2018	3747003	18903899.5	
3747036	Robotiq Inc.	01/02/2019	3747036	19748309.2	

3748690	NXP B.V.	29/05/2020	3748690	20177367.8	
3749123	Philip Morris Products, S.A.	07/02/2019	3749123	19751007.6	
3751537	Robert Bosch GmbH	22/04/2020	3751537	20170771.8	German
3751648	Diehl & Eagle Picher GmbH	04/06/2020	3751648	20178289.3	German
3751751	Samsung Electronics Co., Ltd.	26/11/2008	3751751	20189631.3	
	Korea Advanced Institute of Science and Technology				
3752824	bioMérieux, Inc.	11/02/2019	3752824	19754812.6	
3752954	Intelligent Fingerprinting Limited	13/02/2019	3752954	19707069.1	
3755357	SporeGen Limited	15/02/2019	3755357	19705996.7	
3755614	Brechin Design Inc.	22/02/2019	3755614	19757405.6	
3756023	Commonwealth Scientific and Industrial Research Organisation	29/03/2019	3756023	19776098.6	
3756151	Tata Consultancy Services Limited	22/02/2019	3756151	19757774.5	
3757035	Alka Global Ltd	24/06/2020	3757035	20181866.3	
3757171	FUJIFILM Corporation	19/02/2019	3757171	19754987.6	
3757324	Gebr. Willach GmbH	30/04/2020	3757324	20172236.0	German
3757992	Nokia Technologies Oy	12/06/2020	3757992	20179600.0	
3758194	Valeo eAutomotive Germany GmbH	16/06/2020	3758194	20180288.1	German
3759407	Aktiebolaget Electrolux	01/03/2018	3759407	18708400.9	
3759878	Nokia Technologies Oy	28/02/2018	3759878	18708960.2	
3760066	Ayr Ltd	27/02/2015	3760066	20187975.6	
3760332	JFE Steel Corporation	21/02/2019	3760332	19760805.2	
3761045	Tamura Corporation	26/06/2020	3761045	20182619.5	
3761061	ITI Scotland Limited	22/02/2013	3761061	20188257.8	
3761234	DeepMind Technologies Limited	07/10/2014	3761234	20172810.2	
3762017	Shanghai Benemae Pharmaceutical Corporation	08/03/2019	3762017	19764435.4	
3762082	Medtronic Vascular, Inc.	05/03/2019	3762082	19711786.4	
3763005	NEC Corporation	07/03/2018	3763005	18908496.5	
3763069	Nokia Technologies Oy	08/03/2018	3763069	18908970.9	
3764332	Qualcomm Technologies International, Ltd.	03/05/2016	3764332	20192010.5	
3764408	Samsung Electronics Co., Ltd.	05/03/2019	3764408	19764312.5	
3764483	Kyocera Corporation	21/02/2019	3764483	19764273.9	
3764511	Innomotics GmbH	10/07/2019	3764511	19185464.5	German
3766270	Roblox Corporation	06/03/2019	3766270	19767940.0	
3767443	Samsung Display Co., Ltd.	26/06/2020	3767443	20182628.6	
3767543	Robert Bosch GmbH	17/07/2019	3767543	19186797.7	
3768419	Omya International AG	19/03/2019	3768419	19714134.4	
3769529	MEDIATEK INC.	17/04/2019	3769529	19789384.5	
3769687	CANON KABUSHIKI KAISHA	01/02/2019	3769687	19772046.9	
3771028	NXP B.V.	25/07/2019	3771028	19188375.0	
3771409	Bionime Corporation	31/07/2020	3771409	20188964.9	
3772223	Advanced Semiconductor Engineering, Inc.	18/10/2019	3772223	19204023.6	
3772620	Miele & Cie. KG	06/07/2020	3772620	20184234.1	German
3772803	HORNET ACQUISITIONCO, LLC	10/12/2019	3772803	19214733.8	
3773093	Société des Produits Nestlé S.A.	28/03/2019	3773093	19713051.1	
3774074	ECOSYS S.r.l.	26/03/2019	3774074	19721089.1	
3774666	Phospholutions, Inc.	26/03/2019	3774666	19774427.9	
3775193	The University of Liverpool	29/03/2019	3775193	19716520.2	
3775261	Guangzhou Chengyuan Bioimmunology Technology Co., Ltd.	25/03/2019	3775261	19776940.9	
3775684	Motherson Innovations Company Limited	12/04/2019	3775684	19720787.1	
3775782	AgJunction LLC	18/03/2019	3775782	19715611.0	
3776331	Google LLC	04/02/2019	3776331	19705895.1	
3776392	Microsoft Technology Licensing, LLC	12/03/2019	3776392	19714271.4	
3776819	Safran Electrical & Power	26/03/2019	3776819	19713469.5	
3776921	Cable Television Laboratories, Inc.	29/03/2019	3776921	19717174.7	
3777141	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	28/03/2019	3777141	19712793.9	
3777796	Brightwake Limited	03/04/2007	3777796	20193334.8	
3778693	Sekisui Chemical Co., Ltd.	15/03/2019	3778693	19777376.5	

3780877	ZTE Corporation	04/04/2019	3780877	19780942.9	
3781233	Bayer Healthcare LLC	18/04/2019	3781233	19723256.4	
3781362	Shanghai Flexiv Robotics Technology Co., Ltd. Flexiv Ltd.	24/09/2019	3781362	19871356.2	
3781853	Uponor Innovation AB	04/03/2019	3781853	19709023.6	German
3782060	Thales Dis France SAS	17/04/2019	3782060	19717497.2	French
3782599	VOCO GmbH	13/08/2020	3782599	20190855.5	German
3782708	Ninghai Xingda Leisure Products Co., Ltd.	17/02/2020	3782708	20020026.9	
3783628	Forschungszentrum Jülich GmbH	11/08/2020	3783628	20190480.2	German
3784025	HUSQVARNA AB	02/04/2019	3784025	19715890.0	
3784255	Board of Regents, The University of Texas System	19/04/2019	3784255	19787925.7	
3785204	nChain Licensing AG	24/04/2019	3785204	19721856.3	
3786826	Barclays Execution Services Limited	30/08/2019	3786826	19194741.5	
3786962	Tata Consultancy Services Limited	17/07/2020	3786962	20186478.2	
3787635	Oric Pharmaceuticals, Inc.	30/04/2019	3787635	19796584.1	
3787766	REGENERON PHARMACEUTICALS, INC.	26/04/2019	3787766	19734173.8	
3788960	FUJIFILM Corporation	02/09/2020	3788960	20194174.7	
3789330	MB Automation GmbH & Co. KG	28/07/2020	3789330	20188017.6	German
3791639	Sony Group Corporation	07/05/2019	3791639	19724268.8	
3792956	Quantinuum LLC	08/07/2020	3792956	20184829.8	
3794239	VICTORINOX AG	30/09/2020	3794239	20780711.6	
3795762	micas AG	18/09/2020	3795762	20196852.6	German
3796408	Korea Institute of Science and Technology	11/06/2020	3796408	20179571.3	
3796446	Svolt Energy Technology Company Limited	17/05/2019	3796446	19802781.5	
3798265	SHPP Global Technologies B.V.	30/09/2019	3798265	19200433.1	
3798907	AO Kaspersky Lab	14/09/2020	3798907	20195968.1	
3799398	New H3C Security Technologies Co., Ltd.	15/05/2019	3799398	19808429.5	
3800949	Apple Inc.	01/10/2020	3800949	20199510.7	
3801195	Alcon Inc.	04/06/2019	3801195	19814657.3	
3801269	Hologic, Inc.	24/05/2019	3801269	19730090.8	
3801861	Wilco AG	06/06/2019	3801861	19729514.0	
3803565	Lodestar Licensing Group LLC	27/03/2019	3803565	19811868.9	
3804965	Hürner Schweisstechnik GmbH	10/10/2019	3804965	19202442.0	German
3805165	Sterlite Technologies Ltd	13/08/2020	3805165	20191009.8	
3805293	mitsubishi GAS CHEMICAL COMPANY, INC.	31/05/2019	3805293	19811496.9	
3805541	RTX Corporation	31/07/2015	3805541	20205206.4	
3806594	CGF Counsel Group Frankfurt AG	07/10/2020	3806594	20200442.0	German
3806976	Caterpillar Inc.	13/06/2019	3806976	19734610.9	
3807750	Google LLC	04/04/2019	3807750	19718549.9	
3808387	Johnson & Johnson Surgical Vision, Inc.	11/11/2016	3808387	20212178.6	
3809221	CODESYS Holding GmbH	18/10/2019	3809221	19204091.3	
3809478	Samsung SDI Co., Ltd. Samsung Electronics Co., Ltd.	26/02/2019	3809478	19819247.8	
3810881	AGC Glass Europe	19/06/2019	3810881	19732612.7	
3811118	Sercel	05/06/2019	3811118	19763080.9	
3811287	MetaSystems Hard & Software GmbH	19/06/2019	3811287	19801619.8	
3811338	KBC Global Services NV	25/06/2019	3811338	19732051.8	
3811578	ORANGE	07/06/2019	3811578	19790585.4	French
3811698	Apple Inc.	08/08/2019	3811698	19846369.7	
3811762	CNH Industrial Belgium N.V.	23/10/2020	3811762	20203573.9	
3812555	RTX Corporation	26/10/2020	3812555	20203942.6	
3813034	Yunex GmbH	22/10/2019	3813034	19204612.6	German
3813329	Honeywell International Inc.	15/10/2020	3813329	20202154.9	
3813548	Arla Foods amba	26/06/2019	3813548	19732386.8	
3814365	Dana-Farber Cancer Institute, Inc.	27/06/2019	3814365	19739837.3	
3815599	Nidek Co., Ltd.	29/06/2018	3815599	18924990.7	
3815912	Barberan Latorre, Jesús Francisco	25/04/2019	3815912	19800710.6	

3815998	Astemo, Ltd.	24/06/2019	3815998	19827570.3	
3816625	Scholar Rock, Inc.	06/05/2014	3816625	20193425.4	
3817642	The Johns Hopkins University	02/07/2019	3817642	19830933.8	
3817810	Pfizer Inc.	03/07/2019	3817810	19766356.0	
3818219	FEF Group Pty Ltd	03/07/2019	3818219	19829868.9	
3818848	KT&G Corporation	20/05/2020	3818848	20816084.6	
3819316	Kuraray Co., Ltd.	04/07/2019	3819316	19831478.3	
3819952	Samsung Electronics Co., Ltd.	30/10/2020	3819952	20204869.0	
3820465	Ambient Photonics, Inc.	09/07/2019	3820465	19834489.7	
3820779	Selig Sealing Products, Inc.	09/07/2019	3820779	19834494.7	
3822225	Institute of Flexible Electronics Technology of Thu, Zhejiang Tsinghua University	07/12/2018	3822225	18926354.4	
3822375	SUMITOMO METAL MINING CO., LTD.	11/07/2019	3822375	19833469.0	
3822548	GD Midea Air-Conditioning Equipment Co., Ltd.	26/10/2018	3822548	18926568.9	
3822853	Midea Group Co., Ltd.				
3822853	Hand Held Products, Inc.	09/11/2020	3822853	20206541.3	
3823025	Samsung Electronics Co., Ltd.	07/08/2020	3823025	20190146.9	
3823867	Continental Automotive Systems, Inc.	17/07/2019	3823867	19745952.2	
3824059	Entegris, Inc.	18/07/2019	3824059	19838029.7	
3824193	Fairchild Fasteners Europe - Camloc GmbH	22/03/2019	3824193	19714573.3	German
3824199	Saint-Gobain Performance Plastics Rencol Limited	15/07/2019	3824199	19742165.4	
3824415	University of Maryland, College Park IonQ, Inc.	18/07/2019	3824415	19749088.1	
3824738	Société des Produits Nestlé S.A.	13/12/2018	3824738	20210454.3	
3824907	The University of Tokyo	19/07/2019	3824907	19838340.8	
3825013	St. Marianna University School of Medicine				
3825013	Musashi Engineering, Inc.	03/12/2014	3825013	20211442.7	
3825618	Parmair ilmanvaihto Oy	19/11/2020	3825618	20208679.9	
3825961	INTEL Corporation	17/03/2016	3825961	20216681.5	
3826964	Omya International AG	23/07/2019	3826964	19740590.5	
3827619	Nokia Technologies Oy	19/07/2019	3827619	19742579.6	
3827906	Imec VZW	29/11/2019	3827906	19212564.9	
3828169	West China Hospital, Sichuan University	24/07/2019	3828169	19841271.0	
3829023	SANYO Electric Co., Ltd.	23/07/2019	3829023	19840192.9	
3830805	QORVO PARIS	30/07/2019	3830805	19779953.9	
3831107	QUALCOMM INCORPORATED	30/07/2019	3831107	19755733.3	
3831551	OMRON Corporation	12/03/2019	3831551	19865929.4	
3832513	Vocalink Limited	06/12/2019	3832513	19214184.4	
3832530	Accenture Global Solutions Limited	23/10/2020	3832530	20203555.6	
3832600	OMRON Corporation	14/03/2019	3832600	19918794.9	
3832613	dormakaba Schweiz AG	27/11/2020	3832613	20210183.8	German
3835119	ALSTOM Holdings	17/11/2020	3835119	20208162.6	German
3837051	Life Technologies Corporation	16/08/2019	3837051	19765351.2	
3837528	Becton, Dickinson and Company	30/07/2019	3837528	19850216.3	
3837911	QUALCOMM Incorporated	08/08/2019	3837911	19759789.1	
3838037	KOB GmbH	08/03/2017	3838037	20207407.6	German
3838373	AMCON INC.	26/11/2019	3838373	19916469.0	
3842708	DAIKIN INDUSTRIES, LTD.	05/06/2019	3842708	19852339.1	
3842877	Simmonds Precision Products, Inc.	23/12/2020	3842877	20216986.8	
3843298	Roku, Inc.	26/05/2016	3843298	21151892.3	
3844820	Efficient Power Conversion Corporation	29/08/2019	3844820	19855368.7	
3844907	Cisco Technology, Inc.	27/08/2019	3844907	19766149.9	
3846016	VIVO MOBILE COMMUNICATION CO., LTD.	24/07/2019	3846016	19855229.1	
3846308	Globe (Jiangsu) Co., Ltd.	16/12/2020	3846308	20214679.1	
3847705	Apple Inc.	23/08/2019	3847705	19762671.6	

3847758	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. Friedrich-Alexander-Universität Erlangen-Nürnberg	30/08/2019	3847758	19762927.2	German
3848477	Tokushu Kinzoku Excel Co., Ltd. JFE Steel Corporation	08/11/2019	3848477	19817932.7	
3848647	Gree Electric Appliances, Inc. of Zhuhai	14/12/2018	3848647	18937304.6	
3849128	MediaTek Singapore Pte. Ltd.	14/12/2020	3849128	20213847.5	
3851847	Prüftechnik Dieter Busch GmbH	12/01/2021	3851847	21151073.0	German
3853134	PPG Advanced Surface Technologies, LLC	31/10/2019	3853134	19877588.4	
3853579	Humanetics Innovative Solutions, Inc.	23/09/2019	3853579	19863168.1	
3854324	Gyrus ACMI, Inc. d/b/a Olympus Surgical Technologies America	20/03/2019	3854324	21156438.0	
3855164	Kurita Water Industries Ltd.	09/08/2019	3855164	19861749.0	
3855355	Robert Bosch GmbH	23/01/2020	3855355	20153424.5	
3855495	Samsung Display Co., Ltd.	21/03/2019	3855495	19863523.7	
3855562	Niterra Co., Ltd.	11/09/2019	3855562	19863426.3	
3855563	KABUSHIKI KAISHA TOSHIBA	16/07/2019	3855563	19853251.7	
3855925	Cupffee Ltd	16/09/2019	3855925	19798527.8	
3855933	Tropicana Products, Inc.	20/09/2019	3855933	19794732.8	
3856147	Research Development Foundation	27/09/2019	3856147	19864106.0	
3856621	Razor USA LLC	27/09/2019	3856621	19867332.9	
3857058	General Electric Renovables España, S.L.	28/09/2018	3857058	18788971.2	
3857298	ESSILOR INTERNATIONAL	24/09/2019	3857298	19770138.6	French
3857849	ORANGE	26/09/2019	3857849	19806015.4	French
3857984	Telefonaktiebolaget LM Ericsson (publ)	24/09/2019	3857984	19778939.9	
3858364	Poviva Corp.	10/06/2015	3858364	20206775.7	
3858447	Tyrolia Technology GmbH	10/11/2020	3858447	20206778.1	German
3858761	Aerospace Transmission Technologies GmbH	25/01/2021	3858761	21153319.5	German
3859175	Crompton Technology Group Limited	29/01/2020	3859175	20275019.6	
3859311	CKD CORPORATION	24/07/2019	3859311	19866824.6	
3859503	Evolution Malta Ltd	03/02/2020	3859503	20155164.5	
3861685	Capital One Services, LLC	01/10/2019	3861685	19868289.0	
3862298	Ammeraal Beltech Modular A/S	02/02/2021	3862298	21154750.0	
3862958	nChain Licensing AG	16/02/2017	3862958	21153080.3	
3863204	Huawei Technologies Co., Ltd.	01/11/2019	3863204	19881175.4	
3863452	Ayr Ltd	14/10/2019	3863452	19790760.3	
3864621	Nokia Technologies Oy	12/10/2018	3864621	18936706.3	
3864784	QUALCOMM Incorporated	30/09/2019	3864784	19790976.5	
3864872	ASSA ABLOY AB	01/10/2020	3864872	20789870.1	
3866219	Asahi Kasei Battery Separator Corporation	11/10/2019	3866219	19870116.1	
3866513	Beijing Xiaomi Mobile Software Co., Ltd.	30/07/2020	3866513	20188498.8	
3866630	Lashify, Inc.	19/10/2019	3866630	19874123.3	
3867404	Provincial Health Services Authority	15/10/2019	3867404	19873608.4	
3867511	Doosan Bobcat North America, Inc.	11/10/2019	3867511	19797894.3	
3867715	TRUMPF Werkzeugmaschinen SE + Co. KG	08/10/2019	3867715	19786312.9	German
3868163	Lenovo (Beijing) Limited	16/10/2018	3868163	18937197.4	
3868521	Koras Robotics Co., Ltd.	03/02/2021	3868521	21154988.6	
3869439	VKR Holding A/S	18/02/2021	3869439	21158008.9	
3870635	PPG Advanced Surface Technologies, LLC	21/11/2019	3870635	19887123.8	
3871200	Krones AG	23/10/2019	3871200	19794954.8	German
3871742	Sumitomo Rubber Industries, Ltd.	22/02/2021	3871742	21158488.3	
3872579	Casio Computer Co., Ltd.	18/02/2021	3872579	21157756.4	
3873649	BASF Mobile Emissions Catalysts LLC	24/10/2019	3873649	19794530.6	
3873853	Crystal IS, Inc.	02/11/2019	3873853	19878215.3	
3874306	Corning Research & Development Corporation	28/10/2019	3874306	19880841.2	
3874951	Kao Corporation	30/10/2019	3874951	19879087.5	
3876642	Comcast Cable Communications LLC	21/05/2019	3876642	21171212.0	
3877217	Motherson Innovations Company Limited	07/10/2019	3877217	19786526.4	

3877695	Karl Leibinger Asset Management GmbH & Co. KG	08/11/2019	3877695	19802142.0	German
3878155	Telefonaktiebolaget LM Ericsson (publ)	05/11/2019	3878155	19802286.5	
3878371	Koninklijke Philips N.V.	16/02/2016	3878371	21165943.8	
3879398	Petal Cloud Technology Co., Ltd.	03/12/2019	3879398	19902930.7	
3879477	Advanced New Technologies Co., Ltd.	07/11/2019	3879477	19912085.8	
3879644	Thorlabs Quantum Electronics, Inc.	05/03/2021	3879644	21160867.4	
3879821	Zhejiang Uniview Technologies Co., Ltd.	04/04/2019	3879821	19882129.0	
3880145	Stryker Corporation	12/11/2019	3880145	19884762.6	
3880688	DSM Nutritional Products, LLC DSM IP Assets B.V.	08/11/2019	3880688	19882805.5	
3881296	Samsung Electronics Co., Ltd.	20/12/2019	3881296	19900042.3	
3882160	Honeywell International Inc.	05/03/2021	3882160	21161132.2	
3882313	SHIN-ETSU CHEMICAL CO., LTD.	24/10/2019	3882313	19883933.4	
3882502	The Yokohama Rubber Co., Ltd.	22/02/2021	3882502	21158400.8	
3883349	micas AG	15/03/2021	3883349	21162668.4	German
3884390	Microsoft Technology Licensing, LLC	13/11/2019	3884390	19817017.7	
3884439	QMWare AG	19/11/2019	3884439	19886577.6	
3884566	Dynamic E Flow GmbH	18/11/2019	3884566	19805667.3	German
3884785	Liu, Tuanfang	22/09/2020	3884785	20197423.5	
3886047	Imagination Technologies Limited	22/03/2021	3886047	21163998.4	
3886758	Andersen, Leonhardt Morosky, William	29/11/2019	3886758	19888778.8	
3886954	Noble International, Inc.	02/12/2019	3886954	19891623.1	
3887007	Microsoft Technology Licensing, LLC	13/11/2019	3887007	19817494.8	
3887137	TPI Composites, Inc.	27/11/2019	3887137	19890210.8	
3887233	Bayerische Motoren Werke Aktiengesellschaft	29/11/2019	3887233	19817173.8	German
3888444	CNH Industrial Belgium N.V.	02/04/2021	3888444	21166840.5	
3888640	Reverse Bioengineering, Inc.	03/06/2014	3888640	21157975.0	
3889824	DENSO WAVE INCORPORATED	29/03/2021	3889824	21165533.7	
3890279	MellanoX Technologies, Ltd.	26/03/2021	3890279	21165309.2	
3890493	BIPA NV	04/12/2019	3890493	19808954.2	
3890522	KT&G Corporation	07/10/2020	3890522	20874419.3	
3890582	Intuitive Surgical Operations, Inc.	03/12/2019	3890582	19828402.8	
3891307	Faron Pharmaceuticals OY	04/12/2019	3891307	19821263.1	
3891385	Wobben Properties GmbH	06/12/2019	3891385	19817259.5	German
3891582	BAE SYSTEMS plc	03/12/2019	3891582	19816859.3	
3891846	WAGO Verwaltungsgesellschaft mit beschränkter Haftung	18/11/2019	3891846	19809624.0	German
3892570	Fuji Corporation	06/12/2018	3892570	18942459.1	
3892790	Sorkin, Felix, L.	06/04/2021	3892790	21166980.9	
3892824	RTX Corporation	10/03/2021	3892824	21161855.8	
3892929	Carrier Japan Corporation	04/12/2019	3892929	19893827.6	
3893192	NEC Corporation	07/12/2018	3893192	18942078.9	
3893296	Toray Industries, Inc. Toyota Jidosha Kabushiki Kaisha	20/11/2019	3893296	19892727.9	
3894011	Obsidian Therapeutics, Inc.	11/12/2019	3894011	19836302.0	
3894784	Saint-Gobain Sekurit France	06/12/2019	3894784	19813550.1	French
3895494	Hannibal IP LLC	11/12/2019	3895494	19895031.3	
3895508	Zinner, Gerald Kübel, Johann	10/12/2019	3895508	19821435.5	German
3896438	Transtech Systems, Inc.	14/04/2021	3896438	21168255.4	
3896654	Stryker European Operations Limited	22/02/2021	3896654	21158363.8	
3896730	NXP USA, Inc.	30/03/2021	3896730	21166104.6	
3897309	Versuni Holding B.V.	11/12/2019	3897309	19832576.3	
3898366	Ampere SAS	12/12/2019	3898366	19829043.9	French
3899238	G.W. Lisk Company, Inc.	17/01/2020	3899238	20741864.1	
3901742	Samsung Display Co., Ltd.	20/04/2021	3901742	21169341.1	
3901832	Imagination Technologies Limited	03/05/2017	3901832	21172321.8	
3901917	Canon Medical Systems Corporation	23/04/2021	3901917	21170232.9	

3902147	Yealink (Xiamen) Network Technology Co., Ltd.	23/04/2021	3902147	21170234.5	
3903359	LG Display Co., Ltd.	21/12/2019	3903359	19901690.8	
3904133	BeijingWest Industries Co. Ltd.	23/04/2021	3904133	21170190.9	
3904481	ENEOS Materials Corporation	24/12/2019	3904481	19901467.1	
3904805	BUCHEN EnergyServices GmbH	30/03/2021	3904805	21166084.0	German
3905167	Park, Hee Young	26/03/2021	3905167	21165213.6	
3905168	Park, Hee Young	26/03/2021	3905168	21165283.9	
3905364	Panasonic Energy Co., Ltd.	02/12/2019	3905364	19901775.7	
3905613	Huawei Technologies Co., Ltd.	14/02/2020	3905613	20759660.2	
3905933	Blendjet Inc.	25/11/2019	3905933	19907968.2	
3906006	Kerr Corporation	02/01/2019	3906006	19701408.7	
3906138	Sarcos Corp.	30/12/2019	3906138	19842577.9	
3906691	InterDigital VC Holdings, Inc.	16/12/2019	3906691	19839202.9	
3908125	Société des Produits Nestlé S.A.	18/12/2019	3908125	19821092.4	
3909654	Sumitomo Rubber Industries, Ltd.	20/04/2021	3909654	21169504.4	
3910531	dormakaba Deutschland GmbH	14/05/2020	3910531	20174833.2	German
3910837	Beijing Xiaomi Mobile Software Co., Ltd.	08/01/2019	3910837	19908430.2	
3911069	LG Electronics Inc.	13/01/2020	3911069	20737896.9	
3911224	RhythmLink International, LLC	14/01/2020	3911224	20741428.5	
3911656	International Flavors & Fragrances Inc.	16/01/2020	3911656	20741947.4	
3911883	HUTCHINSON	13/01/2020	3911883	20701148.7	French
3911980	Corning Incorporated	07/01/2020	3911980	20702963.8	
3913121	LMW LIMITED	06/04/2021	3913121	21166887.6	
3913183	EXTE GmbH	03/05/2021	3913183	21171824.2	German
3913295	Shanghai Meicon Intelligent Construction Co., Ltd.	03/04/2020	3913295	20814127.5	
	GD Midea Heating & Ventilating Equipment Co., Ltd.				
3913686	Samsung Electronics Co., Ltd.	18/05/2021	3913686	21174314.1	
3914091	Mars, Incorporated	23/01/2020	3914091	20712073.4	
	The Trustees of the University of Pennsylvania				
3915149	BOE Technology Group Co., Ltd.	05/06/2019	3915149	19858625.7	
	Chengdu BOE Optoelectronics Technology Co., Ltd.				
3915198	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	09/01/2020	3915198	20700632.1	
3915244	JFD LIMITED	23/01/2020	3915244	20702887.9	
3916323	LG Electronics Inc.	28/05/2021	3916323	21176467.5	
3916366	Yokogawa Electric Corporation	21/01/2020	3916366	20745634.4	
3916452	Hauff-Technik GRIDCOM GmbH	29/05/2020	3916452	20177470.0	German
3916509	VOLKSWAGEN AG	28/05/2020	3916509	20177022.9	
3916897	BYD Company Limited	11/05/2021	3916897	21173246.6	
3917848	Graphic Packaging International, LLC	24/01/2020	3917848	20747669.8	
3918498	Microsoft Technology Licensing, LLC	24/02/2020	3918498	20712772.1	
3918838	Telefonaktiebolaget LM Ericsson (publ)	29/01/2020	3918838	20704082.5	
3918885	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	31/01/2020	3918885	20703960.3	German
3919283	Nippon Paper Industries Co., Ltd.	25/02/2020	3919283	20774130.7	
3919917	Craif Inc.	29/01/2020	3919917	20748065.8	
3920028	KONICA MINOLTA, INC.	26/05/2021	3920028	21175984.0	
3920168	BOE TECHNOLOGY GROUP CO., LTD.	19/01/2020	3920168	20749432.9	
3921119	Wera Werkzeuge GmbH	03/02/2020	3921119	20704223.5	German
3922216	Korea Institute of Machinery & Materials	29/01/2020	3922216	20752208.7	
3923235	Beijing Xiaomi Pinecone Electronics Co., Ltd.	05/02/2021	3923235	21155379.7	
3923364	Novaled GmbH	12/06/2020	3923364	20179726.3	
3923730	NUTRIEN AG SOLUTIONS (CANADA) INC.	14/02/2020	3923730	20755958.4	
3924599	Quantico Energy Solutions, LLC	27/06/2019	3924599	19740234.0	
3924722	Ventana Medical Systems, Inc.	10/02/2020	3924722	20710378.9	

3925576	SPS S.r.l.	16/06/2021	3925576	21179701.4	
3925577	SPS S.r.l.	16/06/2021	3925577	21179710.5	
3925699	Nippon Soda Co., Ltd.	10/02/2020	3925699	20755442.9	
3927623	Northrop Grumman Systems Corporation University of Southern California	07/10/2019	3927623	19794345.9	
3928030	Dialight Corporation	20/02/2020	3928030	20759168.6	
3928109	Promaxo, Inc.	24/02/2020	3928109	20759888.9	
3928811	TecMed AG	23/06/2020	3928811	20181599.0	
3929087	The Boeing Company	18/06/2021	3929087	21180303.6	
3929105	FPS Investments B.V.	26/06/2020	3929105	20182432.3	
3929718	Accenture Global Solutions Limited	02/06/2021	3929718	21177461.7	
3929747	INTEL Corporation	22/12/2020	3929747	20216697.1	
3929755	INTEL Corporation	30/11/2020	3929755	20210591.2	
3930310	Sony Semiconductor Solutions Corporation	11/12/2019	3930310	19916223.1	
3930345	Zhu, Aidao	20/02/2020	3930345	20759577.8	
3930545	La Piccola S.r.l.	24/02/2020	3930545	20712023.9	
3931027	VOLKSWAGEN AKTIENGESELLSCHAFT	19/02/2020	3931027	20706450.2	German
3932287	Suzhou Argus Medical Technology Corp Ltd	25/03/2020	3932287	20779952.9	
3932705	Thermo King LLC	28/06/2021	3932705	21182194.7	
3932776	Illinois Tool Works Inc.	28/05/2021	3932776	21176743.9	
3933258	SL Corporation	21/05/2021	3933258	21175200.1	
3933736	Mastercard International Incorporated	30/06/2020	3933736	20183056.9	
3933856	RIKEN	03/02/2020	3933856	20763499.9	
3934474	RE-U-ZIP, LLC	02/03/2020	3934474	20770542.7	
3935762	Ciena Corporation	09/10/2020	3935762	20797959.2	
3935885	Sony Group Corporation	07/02/2020	3935885	20771035.1	
3936196	Ilsun System Co., Ltd	26/04/2021	3936196	21740421.9	
3936239	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	25/02/2020	3936239	20770501.3	
3936343	AGFA NV	09/07/2021	3936343	21184833.8	
3936403	MAZDA MOTOR CORPORATION	06/03/2020	3936403	20782421.0	
3936849	Hitachi, Ltd.	18/11/2019	3936849	19919171.9	
3937011	Huawei Technologies Co., Ltd.	25/03/2020	3937011	20776538.9	
3937014	UiPath, Inc.	30/09/2020	3937014	20199147.8	
3937718	Ecco Sko A/S	12/03/2020	3937718	20714113.6	
3938194	Ecco Sko A/S	12/03/2020	3938194	20714114.4	
3938325	4JET microtech GmbH	10/03/2020	3938325	20711104.8	German
3938848	Universal Electronics Inc.	05/03/2020	3938848	20770681.3	
3939047	Ultima Genomics, Inc.	10/03/2020	3939047	20770884.3	
3939201	Samsung Electronics Co., Ltd.	13/05/2020	3939201	20806729.8	
3940427	Trimble Inc.	05/07/2021	3940427	21183644.0	
3940522	LG Electronics, Inc.	15/12/2020	3940522	20214131.3	
3940586	Sony Group Corporation	09/06/2021	3940586	21178558.9	
3941372	Doc-Invent SA	19/03/2020	3941372	20723523.5	
3941465	Oryzon Genomics, S.A.	20/03/2020	3941465	20712563.4	
3941849	Boston Wine Devices, LLC	18/03/2020	3941849	20774181.0	
3941925	CURIA SPAIN, S.A.U.	18/03/2020	3941925	20711181.6	
3942149	PARADIGM DRILLING SERVICES LIMITED	19/03/2020	3942149	20714501.2	
3942297	Yun, Kyuson	18/03/2020	3942297	20773626.5	
3942319	Rombit NV	20/03/2020	3942319	20716581.2	
3942495	Kepler Vision Technologies B.V.	23/03/2020	3942495	20711630.2	
3942849	Kymeta Corporation	19/03/2020	3942849	20778865.4	
3942865	Samsung Electronics Co., Ltd.	28/04/2020	3942865	20799331.2	
3942906	Phoenix Contact Development and Manufacturing, Inc.	09/03/2020	3942906	20716319.7	
3942910	LS Mtron Ltd.	19/03/2020	3942910	20773596.0	
3943000	Suzhou Rainmed Medical Technology Co., Ltd.	13/05/2019	3943000	19920012.2	
3943849	LG Electronics Inc.	15/07/2015	3943849	21191694.5	

3944165	Climate LLC	27/06/2017	3944165	21197069.4	
3944705	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	26/04/2019	3944705	19926714.7	
3944744	Sonova AG	18/12/2019	3944744	19828717.9	
3944918	Vratny, Andreas	20/07/2021	3944918	21186563.9	German
3945155	Huhtamaki Flexible Packaging Germany GmbH & Co. KG	29/07/2021	3945155	21188572.8	German
3946169	Catalyst OrthoScience Inc.	03/04/2020	3946169	20722800.8	
3947578	PPG Industries Ohio, Inc.	01/04/2020	3947578	20722055.9	
3947671	Eli Lilly and Company	31/03/2020	3947671	20722021.1	
3947877	ASSA ABLOY Entrance Systems AB	27/03/2020	3947877	20715822.1	
3947988	Audi AG	20/03/2020	3947988	20713566.6	German
3948779	Howmedica Osteonics Corp.	18/03/2020	3948779	20717536.5	
3948857	Telefonaktiebolaget LM Ericsson (publ)	27/03/2020	3948857	20715049.1	
3948973	REINZ-Dichtungs-GmbH	25/03/2020	3948973	20714997.2	German
3949285	Robert Bosch GmbH	20/03/2020	3949285	20713598.9	German
3949626	Lenovo (Singapore) Pte. Ltd.	01/04/2020	3949626	20732659.6	
3949629	Nokia Technologies Oy	18/03/2020	3949629	20781898.0	
3950371	DAI NIPPON PRINTING CO., LTD.	25/03/2020	3950371	20782444.2	
3951080	KUBOTA CORPORATION	20/12/2019	3951080	19923443.6	
3951082	Jiangsu XCMG Construction Machinery Research Institute Ltd.	15/10/2020	3951082	20920863.6	
3952029	TE Connectivity Solutions GmbH	04/08/2021	3952029	21189627.9	
3952344	Nokia Solutions and Networks Oy	30/07/2021	3952344	21188668.4	
3953013	MATEC INDUSTRIES SPA	08/04/2020	3953013	20730100.3	
3953377	Prevail Therapeutics, Inc.	10/04/2020	3953377	20724262.9	
3953516	Aplix	31/03/2020	3953516	20713909.8	French
3953808	C-Sky Microsystems Co., Ltd.	10/04/2020	3953808	20788334.9	
3954050	Samsung Electronics Co., Ltd.	29/06/2020	3954050	20834479.6	
3954217	Bunge Lodders Croklaan B.V.	19/01/2017	3954217	21195726.1	
3954236	Philip Morris Products S.A.	05/07/2017	3954236	21195392.2	
3954655	LG Energy Solution, Ltd.	01/07/2020	3954655	20851716.9	
3954730	puren GmbH	10/08/2021	3954730	21190585.6	German
3955498	Beijing Xiaomi Mobile Software Co., Ltd.	16/04/2019	3955498	19924865.9	
3955519	Centripetal Limited	30/08/2013	3955519	21197287.2	
3956239	ALPLA Werke Alwin Lehner GmbH & Co. KG	15/04/2020	3956239	20719422.6	German
3956280	Envalior Deutschland GmbH	06/04/2020	3956280	20715898.1	German
3956700	Horiba France SAS	17/04/2020	3956700	20720027.0	French
3957047	Microsoft Technology Licensing, LLC	31/03/2020	3957047	20721065.9	
3957085	Hearing Diagnostics Limited	15/04/2020	3957085	20719417.6	
3957296	The Procter & Gamble Company	19/03/2021	3957296	21163764.0	
3957940	Brasseur, Olivier	18/01/2021	3957940	21151998.8	German
3957996	The University of North Carolina at Chapel Hill	05/10/2016	3957996	21183583.0	
3958919	MERIT MEDICAL SYSTEMS, INC.	21/04/2020	3958919	20794775.5	
3959273	Talga Technologies Limited	24/04/2020	3959273	20730683.8	
3959324	President and Fellows of Harvard College OHIO STATE INNOVATION FOUNDATION Massachusetts Eye & Ear Infirmary	24/04/2020	3959324	20794633.6	
3960074	Biosense Webster (Israel) Ltd	31/08/2021	3960074	21193985.5	
3961686	Samsung Electronics Co., Ltd.	27/08/2021	3961686	21193446.8	
3961847	Hitachi, Ltd.	04/03/2020	3961847	20795222.7	
3962105	Goertek Inc	20/04/2020	3962105	20795996.6	
3962250	Kyocera Corporation	01/04/2020	3962250	20795316.7	
3963162	Kiekert AG	16/04/2020	3963162	20726676.8	German
3963205	VESTAS WIND SYSTEMS A/S	21/04/2020	3963205	20721411.5	
3963321	Immutep S.A.S.	01/05/2020	3963321	20723847.8	
3963561	Honeywell International Inc.	04/05/2020	3963561	20799294.2	
3963854	Nokia Technologies Oy	29/04/2019	3963854	19927441.6	
3965310	ZTE Corporation	22/04/2020	3965310	20799390.8	

3965370	Huawei Technologies Co., Ltd.	06/05/2020	3965370	20802074.3	
3965507	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	19/07/2019	3965507	19938513.9	
3965561	Lely Patent N.V.	04/05/2020	3965561	20726577.8	
3965850	Ypsomed AG	05/05/2020	3965850	20725657.9	German
3966439	Rior, Industrie- en Handelonderneming B.V.	06/05/2020	3966439	20732330.4	
3967444	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)	01/05/2020	3967444	20801452.2	
3969113	UNILEVER GLOBAL IP LIMITED	12/05/2020	3969113	20726038.1	
3969192	Milwaukee Electric Tool Corporation	12/05/2020	3969192	20805954.3	
3969359	Oru Kayak, Inc.	14/05/2020	3969359	20806463.4	
3969680	Brentwood Europe GmbH	19/02/2020	3969680	20729611.2	German
3969785	Ametek, Inc.	14/05/2020	3969785	20729922.3	
3969859	Schrader Electronics Ltd.	29/10/2020	3969859	20800115.6	
3970621	Samsung Electronics Co., Ltd.	10/11/2014	3970621	21184905.4	
3971332	Visbatex GmbH	25/05/2021	3971332	21175771.1	German
3973896	Zhao, Tianli	21/05/2020	3973896	20917786.4	
3974006	DSM IP Assets B.V.	05/10/2018	3974006	21200348.7	
	Academisch Ziekenhuis Maastricht				
3975934	Edwards Lifesciences Corporation	22/05/2020	3975934	20735045.5	
3976176	Sunnybrook Research Institute	28/05/2020	3976176	20815648.9	
3976983	Pi Tech Innovations, LLC	29/05/2020	3976983	20827227.8	
3977078	Meridian Innovation Pte Ltd	28/05/2020	3977078	20730773.7	
3977246	Volkswagen AG	27/04/2020	3977246	20725437.6	German
3977267	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	29/05/2019	3977267	19730111.2	
3977318	SANOFI	25/05/2020	3977318	20728027.2	
3977777	ORANGE	25/05/2020	3977777	20729663.3	French
3978663	TEIJIN FRONTIER CO., LTD.	18/05/2020	3978663	20813326.4	
3979129	BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.	11/12/2020	3979129	20918915.8	
3979427	Aptiv Technologies AG	30/09/2021	3979427	21200223.2	
3979619	Vivo Mobile Communication Co., Ltd.	26/05/2020	3979619	20813784.4	
3980515	Torrgreen Technology B.V.	05/06/2020	3980515	20733368.3	
3980728	Orbis Intelligent Systems, Inc.	05/06/2020	3980728	20751851.5	
3980819	GeoQuest Systems B.V.	04/06/2020	3980819	20819594.1	
3981118	Cisco Technology, Inc.	02/06/2020	3981118	20747175.6	
3981237	Climate LLC	06/10/2016	3981237	21206140.2	
3982176	SUMITOMO ELECTRIC INDUSTRIES, LTD.	30/09/2021	3982176	21200139.0	
3982489	Delta Plus Co., Ltd.	01/06/2020	3982489	20819494.4	
3982517	Valeo eAutomotive Germany GmbH	08/10/2021	3982517	21201557.2	German
3983232	Illinois Tool Works Inc.	11/06/2020	3983232	20751712.9	
3983615	Caterpillar SARL	12/06/2020	3983615	20734643.8	
3984603	Kidde-Fenwal, LLC	25/05/2016	3984603	21204722.9	
3984616	FAUDI Aviation GmbH	13/10/2020	3984616	20201624.2	German
3984741	Barberan Latorre, Jesús Francisco	16/10/2020	3984741	20382907.2	
3984992	Clariant International Ltd	19/06/2017	3984992	21208352.1	
3985759	BTR NEW MATERIAL GROUP CO., LTD.	21/04/2021	3985759	21819318.3	
3986077	Beijing Xiaomi Mobile Software Co., Ltd.	11/06/2019	3986077	19932981.4	
3987481	SurgVision GmbH	16/06/2020	3987481	20735081.0	
3987917	Knospe, Bernd	26/08/2021	3987917	21193155.5	German
3988179	LG Energy Solution, Ltd.	04/03/2021	3988179	21764423.6	
3988587	Borealis GmbH	26/10/2020	3988587	20203896.4	
3988791	Hamilton Sundstrand Corporation	22/10/2021	3988791	21204317.8	
3988972	Optotune Switzerland AG	30/09/2021	3988972	21200252.1	
3989889	Coloplast A/S	25/06/2020	3989889	20736571.9	
3990129	MSA Technology, LLC	26/06/2020	3990129	20832315.4	
3991017	Telefonaktiebolaget LM Ericsson (publ)	28/06/2019	3991017	19734788.3	
3991023	Microsoft Technology Licensing, LLC	11/05/2020	3991023	20728650.1	

3991247	The Regents of the University of California	26/06/2020	3991247	20831237.1	
3991789	National Central University	29/10/2021	3991789	21205502.4	
3992124	Fujifilm Business Innovation Corp.	24/12/2019	3992124	19934721.2	
3992238	ENEOS Materials Corporation	26/10/2021	3992238	21204651.0	
3992841	Valeo Schalter und Sensoren GmbH	30/10/2020	3992841	20204810.4	
3993106	Panasonic Intellectual Property Management Co., Ltd.	16/06/2020	3993106	20832549.8	
3993107	Panasonic Intellectual Property Management Co., Ltd.	16/06/2020	3993107	20833072.0	
3994417	1791 Outdoor Lifestyle Group, LLC	18/01/2021	3994417	21741568.6	
3994607	Thales Dis France SAS	29/06/2020	3994607	20736610.5	
3996814	Labiotre S.r.l.	13/07/2020	3996814	20757662.0	
3997280	Marantier, Frédéric Franz	09/07/2020	3997280	20739948.6	French
3997515	Areti S.p.A.	13/07/2020	3997515	20754022.0	
3997574	Indian Institute Of Technology Madras (IIT Madras)	09/07/2020	3997574	20837685.5	
3999306	Tekalen Holding Verwaltungs GmbH	08/07/2020	3999306	20735637.9	
3999418	SAFRAN AIRCRAFT ENGINES	13/07/2020	3999418	20751612.1	French
4001352	Sika Technology AG	11/11/2020	4001352	20207045.4	
4002038	VEGA Grieshaber KG	13/11/2020	4002038	20207449.8	German
4002168	Ricoh Company, Ltd.	16/11/2021	4002168	21208403.2	
4002261	Xiaomi Technology (Wuhan) Co., Ltd. Beijing Xiaomi Pinecone Electronics Co., Ltd.	28/05/2021	4002261	21176628.2	
4002326	Honeywell International Inc.	09/11/2021	4002326	21207339.9	
4002507	Samsung Display Co., Ltd.	04/10/2021	4002507	21200637.3	
4003078	Ansell Limited	28/07/2020	4003078	20846332.3	
4003259	Attends Healthcare Products, Inc.	20/07/2020	4003259	20753603.8	
4003427	Sapreme Technologies B.V.	24/07/2020	4003427	20746624.4	
4003756	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	21/07/2020	4003756	20754002.2	French
4004081	Eastman Chemical Company	29/07/2020	4004081	20847380.1	
4004465	LG Electronics Inc.	08/07/2020	4004465	20848318.0	
4004789	Microsoft Technology Licensing, LLC	10/06/2020	4004789	20751341.7	
4005022	Motherson Innovations Company Limited	14/04/2020	4005022	20720389.4	
4005221	Roku, Inc.	22/07/2020	4005221	20845115.3	
4006155	Sekisui Medical Co., Ltd.	22/07/2020	4006155	20846919.7	
4006353	Shenzhen Hebron Technology Co., Ltd.	13/03/2020	4006353	20917550.4	
4007133	Valeo eAutomotive Germany GmbH	15/11/2021	4007133	21208334.9	German
4007359	Kyocera Corporation	09/08/2017	4007359	22151973.9	
4007480	Fuji Corporation	26/07/2019	4007480	19939279.6	
4007907	ams Sensors Singapore Pte. Ltd.	24/05/2021	4007907	21828369.5	
4008110	Tencent America LLC	16/11/2020	4008110	20946427.0	
4008140	Telefonaktiebolaget LM Ericsson (publ)	08/07/2020	4008140	20739330.7	
4008264	Wuxi Hisky Medical Technologies Co., Ltd.	28/07/2020	4008264	20848009.5	
4009246	Eat Just, Inc.	30/09/2016	4009246	21204496.0	
4009589	Mitel Networks Corporation	07/12/2021	4009589	21212902.7	
4010050	Fresenius Medical Care Holdings, Inc. Debiotech S.A.	22/07/2020	4010050	20753627.7	
4010893	Simtolife B.V.	04/08/2020	4010893	20753320.9	
4011623	Cath'Air	13/06/2019	4011623	21217359.5	French
4012519	CANON KABUSHIKI KAISHA	24/11/2021	4012519	21210257.8	
4013255	NIKE Innovate C.V.	12/08/2020	4013255	20852126.0	
4014407	QUALCOMM INCORPORATED	07/08/2020	4014407	20760713.6	
4014598	QUALCOMM INCORPORATED	15/08/2019	4014598	19941112.5	
4014603	QUALCOMM INCORPORATED	13/08/2020	4014603	20761108.8	
4015903	AIR PRODUCTS AND CHEMICALS, INC.	09/12/2021	4015903	21213413.4	
4016634	LG Display Co., Ltd.	06/12/2021	4016634	21212635.3	
4016798	Stichting IMEC Nederland	17/12/2020	4016798	20214809.4	

4016882	CHINA MOBILE COMMUNICATION CO., LTD. RESEARCH INSTITUTE CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.	03/08/2020	4016882	20855067.3	
4018710	QUALCOMM INCORPORATED	18/08/2020	4018710	20765145.6	
4018962	Shanghai Smartee Denti-Technology Co., Ltd. Taikang Bybo Dental Group Co., Ltd. Shen, Gang	25/12/2019	4018962	19945581.7	
4018996	LG Household & Health Care Ltd.	21/08/2020	4018996	20854144.1	
4020479	Commissariat à l'Energie Atomique et aux Energies Alternatives	06/12/2021	4020479	21212530.6	French
4021719	Saint-Gobain Sekurit France	29/05/2020	4021719	20727827.6	German
4021854	Novonix Battery Technology Solutions Inc.	24/08/2020	4021854	20768182.6	
4022088	Hill's Pet Nutrition, Inc.	19/12/2019	4022088	19839077.5	
4022994	QUALCOMM INCORPORATED	10/08/2020	4022994	20761067.6	
4023019	QUALCOMM Incorporated	26/08/2020	4023019	20767932.5	
4023056	University Public Corporation Osaka Kusakabe Kikai Co., Ltd.	24/08/2020	4023056	20858659.4	
4023123	Mahn, Sven	26/05/2021	4023123	21175972.5	German
4023232	Bionox Inc.	26/08/2019	4023232	19943591.8	
4023471	Seoul Semiconductor Co., Ltd.	17/09/2020	4023471	20864561.4	
4023939	Kyungdong Navien Co., Ltd.	29/12/2021	4023939	21218239.8	
4024083	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	24/09/2019	4024083	19946829.9	
4024179	LG Display Co., Ltd.	13/12/2021	4024179	21213991.9	
4024411	Westinghouse Electric Company Llc	21/08/2018	4024411	22000019.4	
4024416	LS Electric Co., Ltd.	28/04/2020	4024416	20856676.0	
4024459	Samsung Electronics Co., Ltd.	31/12/2021	4024459	21218436.0	
4024691	SolarEdge Technologies Ltd.	05/01/2022	4024691	22150370.9	
4024948	HUAWEI TECHNOLOGIES CO., LTD.	18/09/2020	4024948	20865418.6	
4025170	Hoffman, Jonathan	24/08/2020	4025170	20861783.7	
4025687	Enlivex Therapeutics R&D Ltd	23/08/2020	4025687	20860408.2	
4025945	Corning Research & Development Corporation	20/08/2020	4025945	20764545.8	
4026024	ORACLE INTERNATIONAL CORPORATION	25/06/2020	4026024	20743406.9	
4026255	Nokia Technologies Oy	04/09/2019	4026255	19769914.3	
4026453	ASICS Corporation	05/09/2019	4026453	19944208.8	
4026502	Gyrus ACMI, Inc. d/b/a Olympus Surgical Technologies America	04/01/2022	4026502	22150117.4	
4028875	Oracle International Corporation	04/09/2020	4028875	20780405.5	
4030367	Beijing Jingbangda Trade Co., Ltd. Beijing Jingdong Zhenshi Information Technology Co., Ltd.	28/08/2020	4030367	20902109.6	
4030423	Volvo Car Corporation	13/01/2022	4030423	22151314.6	
4031201	Les Hôpitaux Universitaires de Genève UNIVERSITE DE GENEVE	21/09/2020	4031201	20796476.8	
4032220	QUALCOMM Incorporated	18/09/2020	4032220	20786218.6	
4032487	Covidien LP	20/01/2022	4032487	22152532.2	
4032653	Yamazaki Mazak Corporation	30/10/2019	4032653	19950323.6	
4033673	Atlas Global Technologies LLC	09/05/2016	4033673	21184549.0	
4033682	Nokia Technologies Oy	31/12/2021	4033682	21218456.8	
4033793	Hill-Rom Services, Inc.	20/01/2022	4033793	22152478.8	
4034258	Henkel AG & Co. KGaA	13/07/2020	4034258	20740300.7	German
4034828	Sturm, Ruger & Company, Inc.	24/09/2020	4034828	20868657.6	
4035093	Google LLC	23/09/2020	4035093	20789333.0	
4035479	Nokia Technologies Oy	29/09/2019	4035479	19947254.9	
4035595	Caliber Imaging & Diagnostics Inc.	05/05/2015	4035595	22162228.5	
4035618	Covidien LP	01/02/2022	4035618	22154396.0	
4035873	The Boeing Company	29/01/2021	4035873	21382077.2	
4036355	DOM Sicherheitstechnik GmbH & Co. KG	26/01/2022	4036355	22153527.1	German

4036554	MGI Tech Co., Ltd.	24/09/2019	4036554	19946668.1	
4036777	Nikola, Daniel	15/12/2021	4036777	21214825.8	German
	Diepstraten, Joachim				
4037645	The Procter & Gamble Company	30/09/2019	4037645	19947668.0	
4037995	PKA Solutions S.R.L.	30/09/2020	4037995	20781013.6	
4038138	Borealis GmbH	30/09/2020	4038138	20780204.2	
4038760	QUALCOMM Incorporated	18/08/2020	4038760	20765399.9	
4038829	nChain Licensing AG	29/09/2020	4038829	20789675.4	
4040075	Daikin Industries, Ltd.	24/09/2020	4040075	20870617.6	
4040570	Toyoda Iron Works Co., Ltd.	30/09/2020	4040570	20873029.1	
	TOYOTA JIDOSHA KABUSHIKI				
	KAISHA				
4041189	Oak Crest Institute of Science	07/10/2020	4041189	20797620.0	
4041726	Molecure SA	25/09/2020	4041726	20803247.4	
4041990	The Gorman-Rupp Company	05/10/2020	4041990	20873902.9	
4042095	Rheinmetall Electronics GmbH	24/09/2020	4042095	20788718.3	German
4042446	King's College London	30/09/2020	4042446	20788854.6	
4042736	Intertrust Technologies Corporation	09/10/2020	4042736	20797964.2	
4043147	Ficai, Giovanni	31/01/2022	4043147	22154294.7	
4044136	Becton Dickinson Rowa Germany GmbH	03/02/2017	4044136	22160684.1	German
4044151	Motional AD LLC	19/04/2018	4044151	22164961.9	
4044518	Deutsche Telekom AG	15/02/2021	4044518	21157171.6	
4044709	Huawei Technologies Co., Ltd.	08/11/2019	4044709	19951663.4	
4044992	Lubrizol Advanced Materials, Inc.	13/10/2020	4044992	20804028.7	
4045074	Università degli Studi di Roma "La Sapienza"	09/10/2020	4045074	20792936.5	
	Fondazione Per La Ricerca Sulla Fibrosi				
	Cistica - Onlus				
	Istituto Giannina Gaslini				
4046439	BAE SYSTEMS Information and Electronic Systems Integration Inc.	15/10/2020	4046439	20910720.0	
4047861	Terra Quantum AG	14/04/2021	4047861	21168449.3	
4048045	Fuji Corporation	18/10/2019	4048045	19949177.0	
4049052	Hyperfine Operations, Inc.	23/10/2020	4049052	20808559.7	
4049069	Saudi Arabian Oil Company	23/10/2020	4049069	20879809.0	
	Schlumberger Technology B.V.				
4049258	Rapiscan Holdings, Inc.	20/10/2020	4049258	20879231.7	
4049632	W. L. Gore & Associates, Inc.	06/03/2015	4049632	22166820.5	
4049939	Rohto Pharmaceutical Co., Ltd.	21/10/2019	4049939	19950176.8	
4050287	Dometic Sweden AB	26/02/2021	4050287	21159510.3	
4050474	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	23/06/2020	4050474	20888565.7	
4050610	Seoul National University R & DB Foundation	25/10/2019	4050610	19950031.5	
4050657	LG Electronics Inc.	22/10/2019	4050657	19949870.0	
4051330	Hollister Incorporated	27/10/2020	4051330	20811182.3	
4051368	Platinum Pharma Service S.r.l.	30/10/2020	4051368	20808188.5	
4051861	National Oilwell Varco, L.P.	30/10/2020	4051861	20882927.5	
4052130	Microsoft Technology Licensing, LLC	19/10/2020	4052130	20807166.2	
4052151	Microsoft Technology Licensing, LLC	23/10/2020	4052151	20804742.3	
4052248	Evolution Optiks Limited	30/10/2020	4052248	20881350.1	
4052367	Robert Bosch GmbH	25/09/2020	4052367	20781346.0	German
4053273	CJ Cheiljedang Corporation	19/04/2021	4053273	21739225.7	
4053613	Westlake University	10/04/2020	4053613	20880848.5	
4053617	Nippon Telegraph And Telephone Corporation	29/10/2019	4053617	19951167.6	
4053678	Beijing SuperHexa Century Technology Co. Ltd.	21/07/2021	4053678	21186993.8	
4053834	CANON KABUSHIKI KAISHA	23/02/2022	4053834	22158207.5	
4053988	LG Energy Solution, Ltd.	28/12/2020	4053988	20919292.1	
4054033	Kaiser GmbH & Co. KG	08/03/2019	4054033	22168861.7	German
4054092	Kohoku Kogyo Co., Ltd.	11/09/2020	4054092	20883622.1	

4054439	Covidien LP	03/11/2020	4054439	20816074.7	
4054686	The Regents of The University of Michigan	04/11/2020	4054686	20884526.3	
4054815	Estes-Haselbach Innovations, LLC	04/11/2019	4054815	19951478.7	
4055614	Align Technology, Inc.	04/11/2020	4055614	20816725.4	
4055669	Star BP, Inc.	08/11/2019	4055669	19951866.3	
4055966	QUALCOMM INCORPORATED	06/11/2020	4055966	20821451.0	
4056116	IDrop Inc.	20/10/2020	4056116	20885459.6	
4056141	Stryker European Operations Limited	08/03/2021	4056141	21161300.5	
4056827	Toshiba Energy Systems & Solutions Corporation	02/11/2020	4056827	20884994.3	
4057541	ZTE Corporation	09/11/2020	4057541	20884270.8	
4057559	Vivo Mobile Communication Co., Ltd.	04/11/2020	4057559	20885512.2	
4058273	Nexgen Pipes Pte. Ltd.	31/07/2020	4058273	20888624.2	
4058354	MAG Aerospace Industries, LLC	12/11/2020	4058354	20824724.7	
4059649	Newfrey LLC	16/03/2021	4059649	21162805.2	
4060483	Google LLC	22/07/2021	4060483	21187297.3	
4060967	Samsung Electronics Co., Ltd.	21/12/2020	4060967	20912847.9	
4060979	Huawei Technologies Co., Ltd.	18/12/2020	4060979	20901983.5	
4062073	Metso Finland Oy	20/11/2020	4062073	20889690.2	
4062115	LG Electronics Inc.	03/11/2020	4062115	20890329.4	
4062655	Shenzhen Shokz Co., Ltd.	30/12/2020	4062655	20929619.3	
4062678	QUALCOMM INCORPORATED	29/09/2020	4062678	20793222.9	
4063083	Siemens Aktiengesellschaft	26/03/2021	4063083	21165098.1	
4064087	Commissariat à l'Energie Atomique et aux Energies Alternatives	23/03/2022	4064087	22163858.8	French
4064279	Samsung Electronics Co., Ltd.	26/01/2022	4064279	22700278.9	
4064462	LG Energy Solution, Ltd.	24/03/2021	4064462	21799631.3	
4064543	Infineon Technologies Austria AG	22/03/2021	4064543	21164038.8	
4064816	CNH Industrial Italia S.p.A.	30/11/2020	4064816	20811687.1	
4065051	Getset Surgical SA	25/11/2020	4065051	20828205.3	
4065071	Beiersdorf AG	28/10/2020	4065071	20800072.9	
4065946	Kamstrup A/S	26/11/2020	4065946	20815793.3	
4066241	Gracenote Inc.	18/11/2020	4066241	20891501.7	
4066541	ZTE Corporation	07/08/2020	4066541	20948393.2	
4066758	Medtronic Vascular Inc.	30/03/2022	4066758	22165290.2	
4067266	Swisslog GmbH Swisslog AG	30/03/2021	4067266	21165814.1	German
4067504	Tsinghua University	22/01/2021	4067504	21743632.8	
4067559	Qingdao Haier Drum Washing Machine Co., Ltd. Haier Smart Home Co., Ltd.	23/10/2020	4067559	20894389.4	
4067565	Jeanologia, S.L.	30/03/2021	4067565	21382259.6	
4068074	BOE Technology Group Co., Ltd. K-Tronics (Suzhou) Technology Co., Ltd.	02/12/2019	4068074	19946246.6	
4068183	nChain Licensing AG	16/07/2018	4068183	22160306.1	
4068412	Maxell, Ltd.	24/11/2020	4068412	20891663.5	
4068810	Datang Mobile Communications Equipment Co., Ltd.	07/12/2020	4068810	20901648.4	
4069067	Medtronic, Inc.	04/12/2020	4069067	20896963.4	
4069166	Johnson & Johnson Surgical Vision, Inc.	23/11/2020	4069166	20817080.3	
4069249	NTC S.r.l.	03/12/2020	4069249	20829208.6	
4069984	Acument Intellectual Properties LLC	04/12/2020	4069984	20896626.7	
4070180	ICU Medical, Inc.	01/12/2020	4070180	20828627.8	
4070275	Microsoft Technology Licensing, LLC	27/11/2020	4070275	20828209.5	
4070838	Boehringer Ingelheim Vetmedica GmbH	27/03/2015	4070838	22176075.4	
4071402	Marelli Automotive Lighting Italy S.p.A. Con Socio Unico	04/04/2022	4071402	22166515.1	
4071540	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	08/12/2020	4071540	20900509.9	
4072041	Huawei Technologies Co., Ltd.	23/09/2020	4072041	20910106.2	
4072072	Huawei Technologies Co., Ltd.	30/09/2020	4072072	20913346.1	
4072284	Nordic Clean Pumps AS	14/12/2020	4072284	20898636.4	

4072664	Novocure GmbH	30/11/2020	4072664	20845211.0	
4072671	Centessa Pharmaceuticals (UK) Limited	11/12/2020	4072671	20828090.9	
4072868	Rimgard Sweden AB	02/12/2020	4072868	20896356.1	
4072908	PODBIKE AS	07/12/2020	4072908	20900143.7	
4073591	Lexmark International, Inc.	20/11/2020	4073591	20898563.0	
4073652	Cisco Technology, Inc.	07/12/2020	4073652	20829472.8	
4073657	Pony AI Inc.	09/12/2020	4073657	20898936.8	
4073937	Samsung Electronics Co., Ltd.	11/12/2020	4073937	20900202.1	
4074219	Frio Enterprise	14/04/2022	4074219	22168557.1	French
4074650	Shanghai Industrial µ Technology Research Institute	31/03/2022	4074650	22165761.2	
4075308	OMRON Corporation	24/03/2022	4075308	22164033.7	
4077891	Hevatech	18/12/2020	4077891	20838058.4	French
4078597	NEC Corporation	01/04/2020	4078597	20718583.6	
4078739	ams Sensors Asia Pte. Ltd.	17/12/2020	4078739	20833988.7	
4078903	Lutron Technology Company LLC	18/12/2020	4078903	20845466.0	
4079734	Shanghai Simr Biotechnology Co., Ltd. Shanghai Simrd Biotechnology Co., Ltd	16/12/2020	4079734	20904065.8	
4079987	Isopan S.p.A.	22/04/2022	4079987	22169556.2	
4081010	Fuji Corporation	16/12/2019	4081010	19956681.1	
4081276	Farrow Medtech, LLC	24/12/2020	4081276	20905007.9	
4082005	Motorola Solutions, Inc.	24/11/2020	4082005	20828427.3	
4082867	Kabushiki Kaisha Toshiba	06/11/2020	4082867	20908391.4	
4082911	Hamilton Sundstrand Corporation	29/04/2022	4082911	22170995.9	
4083466	Geberit International AG	30/04/2021	4083466	21171556.0	German
4083610	National Institute for Materials Science	04/11/2020	4083610	20906413.8	
4083739	Shenzhen Pudu Technology Co., Ltd.	09/12/2020	4083739	20916000.1	
4083835	Google LLC	31/03/2022	4083835	22165953.5	
4084037	Hitachi Energy Ltd	30/04/2021	4084037	21171459.7	
4084925	Nuburu, Inc.	30/12/2020	4084925	20908467.2	
4084982	HUF Hülsbeck & Fürst GmbH & Co. KG	14/01/2021	4084982	21700721.0	German
4084993	United Parcel Service Of America, Inc.	27/10/2020	4084993	20811796.0	
4085327	Purdue Research Foundation	29/12/2020	4085327	20911111.1	
4085884	Deere & Company Smith & Nephew, Inc. University of Massachusetts	29/08/2017	4085884	22179746.7	
4086083	Mühlbauer ID Services GmbH	22/04/2022	4086083	22169438.3	German
4086392	Deere & Company	05/04/2022	4086392	22166608.4	
4086435	RTX Corporation	27/04/2022	4086435	22170329.1	
4086531	Qingdao Haier Air-Conditioning Electronic Co., Ltd Haier Smart Home Co., Ltd.	13/11/2020	4086531	20910026.2	
4087222	Huawei Technologies Co. Ltd.	01/03/2021	4087222	21764381.6	
4087754	Luxembourg Institute of Science and Technology	03/02/2021	4087754	21702046.0	
4087821	TANIOBIS GmbH	04/01/2021	4087821	21700486.0	German
4088721	Neuroventi	08/01/2021	4088721	21738899.0	
4089273	RTX Corporation	16/05/2022	4089273	22173606.9	
4089490	Beijing Keyi Technology Co., Ltd.	06/01/2021	4089490	21738211.8	
4089570	Deutsche Telekom AG	14/05/2021	4089570	21173871.1	
4090119	INTEL Corporation	15/03/2022	4090119	22162062.8	
4090245	Capmet, Inc.	18/01/2021	4090245	21741400.2	
4090326	Astromedical Biotechnology, Ltd.	19/11/2020	4090326	20913982.3	
4090419	Jörgens, Marion Biscuso, Ettore Biscuso, Marco	15/01/2021	4090419	21704314.0	
4090474	Alcon Inc.	14/01/2021	4090474	21701596.5	
4091104	TOYOTA JIDOSHA KABUSHIKI KAISHA ETH Zurich - The Swiss Federal Institute of Technology Zurich Katholieke Universiteit Leuven	14/01/2020	4091104	20701406.9	

4091150	Vulog	14/01/2021	4091150	21706015.1	French
4091336	Shenzhen Shokz Co., Ltd.	11/11/2020	4091336	20928540.2	
4091425	CNH Industrial Belgium N.V.	21/05/2021	4091425	21175412.2	
4091484	Shenzhen Huachengda Precision Industry Co., Ltd.	23/06/2020	4091484	20941848.2	
4091965	Krones Aktiengesellschaft	15/03/2022	4091965	22162049.5	German
4092237	GEZE GmbH	16/05/2022	4092237	22173540.0	German
4093025	FUJIFILM Corporation	19/05/2022	4093025	22174398.2	
4093168	SHENZHEN ENVICOOL TECHNOLOGY CO., LTD.	31/03/2022	4093168	22165917.0	
4093291	Dawako Medtech, S.L.	21/01/2021	4093291	21703151.7	
4094504	Samsung Electronics Co., Ltd.	25/02/2021	4094504	21761598.8	
4094519	QUALCOMM INCORPORATED	14/01/2021	4094519	21704139.1	
4095068	DAIO PAPER CORPORATION	14/01/2021	4095068	21744810.9	
4095682	Google LLC	14/02/2022	4095682	22156571.6	
4096132	Vivo Mobile Communication Co., Ltd.	07/04/2021	4096132	21783945.5	
4096203	Vivo Mobile Communication Co., Ltd.	18/02/2021	4096203	21760090.7	
4096345	Arlo Technologies, Inc.	27/05/2022	4096345	22175826.1	
4096803	KX Technologies LLC	27/04/2021	4096803	21795919.6	
4097042	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	26/01/2021	4097042	21702213.6	German
4097045	Linde GmbH	19/11/2020	4097045	20812222.6	German
4097280	Getzner Textil Aktiengesellschaft	01/02/2021	4097280	21701035.4	German
4097340	Cummins Inc.	29/01/2021	4097340	21747284.4	
4097356	Aspen Pumps Limited	05/01/2021	4097356	21700063.7	
4097851	QUALCOMM Incorporated	14/12/2020	4097851	20839469.2	
4097865	QUALCOMM INCORPORATED	27/01/2021	4097865	21707493.9	
4098036	QUALCOMM INCORPORATED	31/12/2020	4098036	20845864.6	
4098383	Baotou Jinshan Magnetic Material Co. Ltd	22/10/2021	4098383	21204102.4	
4098393	LG Energy Solution, Ltd.	08/07/2021	4098393	21843092.4	
4098804	Hitachi Construction Machinery Co., Ltd.	27/01/2021	4098804	21922818.6	
4098808	Hitachi Construction Machinery Co., Ltd.	07/04/2021	4098808	21825442.3	
4099088	BOE Technology Group Co., Ltd. BEIJING BOE DISPLAY TECHNOLOGY CO., LTD.	05/03/2020	4099088	20922728.9	
4099180	Amadeus S.A.S.	01/06/2021	4099180	21305735.9	
4099210	Volkswagen Aktiengesellschaft	31/05/2021	4099210	21176774.4	
4099501	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	23/02/2021	4099501	21761311.6	
4099891	Prevayl Innovations Limited	09/02/2021	4099891	21704935.2	
4099971	Alphatec Spine, Inc.	01/02/2021	4099971	21750233.5	
4100287	Volvo Autonomous Solutions AB	07/02/2020	4100287	20706119.3	
4100483	Solvcor Technologies, LLC	03/02/2021	4100483	21853318.0	
4101037	Robert Bosch GmbH	09/12/2020	4101037	20824177.8	German
4101117	Intuit Inc.	01/07/2020	4101117	20743507.4	
4101205	InterDigital Patent Holdings, Inc.	05/02/2021	4101205	21708876.4	
4101310	Spécialités Pet Food	27/01/2014	4101310	22182018.6	
4101377	ESSILOR INTERNATIONAL	09/06/2021	4101377	21305782.1	
4101435	FrontAct Co., Ltd.	22/01/2021	4101435	21750623.7	
4101919	Idemitsu Kosan Co.,Ltd.	20/01/2021	4101919	21750720.1	
4101991	Hitachi Construction Machinery Co., Ltd.	31/03/2021	4101991	21780963.1	
4102043	PRATT & WHITNEY CANADA CORP.	13/06/2022	4102043	22178726.0	
4102065	General Electric Renovables España, S.L.	30/05/2022	4102065	22176193.5	
4102143	Panasonic Intellectual Property Management Co., Ltd.	25/05/2022	4102143	22175558.0	
4102607	Contemporary Ampere Technology (Hong Kong) Limited	23/04/2021	4102607	21921626.4	
4102774	Deutsche Telekom AG Technische Universität Darmstadt	11/06/2021	4102774	21179089.4	
4103376	L'AIR LIQUIDE, SOCIÉTÉ ANONYME POUR L'ÉTUDE ET L'EXPLOITATION DES PROCÉDÉS GEORGES CLAUDE	29/01/2021	4103376	21702652.5	

4103466	BMT Limited	03/02/2021	4103466	21704900.6	
4103575	SAVANNA Ingredients GmbH	10/02/2021	4103575	21704535.0	German
4103960	Qualcomm Incorporated	14/01/2021	4103960	21704121.9	
4104148	Giesecke+Devrient Currency Technology GmbH	11/02/2021	4104148	21707616.5	German
4104265	Niedax GmbH & Co. KG	09/02/2021	4104265	21704494.0	German
4104271	Ampx Limited	14/02/2020	4104271	20705356.2	
4105022	Chang Chun Petrochemical Co., Ltd.	15/03/2022	4105022	22162117.0	
4105068	TOYOTA JIDOSHA KABUSHIKI KAISHA	10/06/2022	4105068	22178435.8	
4105673	Commissariat à l'Energie Atomique et aux Energies Alternatives	09/06/2022	4105673	22178129.7	French
4105764	Auki Labs Ltd	18/06/2021	4105764	21180317.6	
4105920	LG Electronics, Inc.	17/02/2020	4105920	20919107.1	
4106012	Nanovation	15/06/2022	4106012	22020286.5	French
4106029	DAI NIPPON PRINTING CO., LTD.	14/06/2022	4106029	22178943.1	
4106075	LG Energy Solution, Ltd.	26/11/2021	4106075	21900934.7	
4106158	Hyosung Heavy Industries Corporation	28/01/2021	4106158	21753119.3	
4106876	GILEAD SCIENCES, INC.	17/02/2021	4106876	21710377.9	
4106888	BIOMOORE SNC SP PLAST CREATING S.r.l. BIOFORCE SAS	19/02/2021	4106888	21711962.7	
4107099	KHS GmbH	08/02/2021	4107099	21704231.6	German
4107552	GeoQuest Systems B.V.	15/02/2021	4107552	21757600.8	
4107644	nChain Licensing AG	15/02/2021	4107644	21707787.4	
4107674	Institut d'Optique Théorique et Appliquée Centre national de la recherche scientifique	12/02/2021	4107674	21703948.6	French
4107795	MetOx International, Inc.	12/02/2021	4107795	21711086.5	
4108131	Berry Beauté Marolles SAS	24/06/2022	4108131	22180943.7	
4108180	Biosense Webster (Israel) Ltd.	23/06/2022	4108180	22180642.5	
4108248	Biomed Valley Discoveries, Inc. The Johns Hopkins University	28/03/2014	4108248	22171112.0	
4109023	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBELITE, LTD.)	15/05/2020	4109023	20920063.3	
4109484	Schneider Electric Usa, Inc.	20/06/2022	4109484	22179796.2	
4109528	Samsung Display Co., Ltd.	01/03/2022	4109528	22159542.4	
4109934	Datang Mobile Communications Equipment Co., Ltd.	16/12/2020	4109934	20919680.7	
4110254	The Procter & Gamble Company	24/07/2020	4110254	20920891.7	
4110554	Milwaukee Electric Tool Corporation	24/02/2021	4110554	21760776.1	
4110990	Matthews International Corporation	24/02/2021	4110990	21760541.9	
4111782	Nokia Technologies Oy	19/01/2021	4111782	21708934.1	
4111811	QUALCOMM INCORPORATED	23/02/2021	4111811	21712640.8	
4112529	Sany Mobile Cranes Co., Ltd.	15/01/2021	4112529	21761286.0	
4112974	Guangdong Zhaoqing L & V Co., Ltd.	20/02/2021	4112974	21760782.9	
4113026	Viessmann Holding International GmbH	01/06/2022	4113026	22176625.6	German
4113250	GE Aviation Systems Limited	09/12/2019	4113250	22190199.4	
4113446	BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.	25/02/2021	4113446	21770661.3	
4113536	Tata Consultancy Services Limited	28/10/2021	4113536	21205182.5	
4114508	OBOE IPR AB	23/02/2021	4114508	21710079.1	
4114993	Schwartz GmbH	24/02/2021	4114993	21708199.1	German
4115366	FMC CORPORATION	04/03/2021	4115366	21714084.7	
4116635	Hitachi-Johnson Controls Air Conditioning, Inc.	05/03/2020	4116635	20891468.9	
4116673	Sony Group Corporation	03/06/2022	4116673	22177272.6	
4118344	Safran Aerosystems	12/03/2021	4118344	21711240.8	French
4118528	Google LLC	14/12/2021	4118528	21857020.8	
4119203	Sumitomo Rubber Industries, Ltd.	06/07/2022	4119203	22183378.3	
4119394	Hyundai Transys Inc.	12/07/2022	4119394	22184419.4	
4119460	Kao Corporation	13/03/2020	4119460	20924360.9	

4120753	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	23/03/2020	4120753	20926686.5	
4120956	Onvi, Inc.	17/03/2021	4120956	21770493.1	
4122181	ReAct Now GmbH	19/03/2021	4122181	21715159.6	
4122813	Kay Seven Co., Ltd.	15/03/2021	4122813	21770860.1	
	Sasaki, Noriyuki				
	Kamome Propeller Co., Ltd.				
4123167	Nabtesco Corporation	18/07/2022	4123167	22185516.6	
4123293	MGI Tech Co., Ltd.	03/11/2017	4123293	22194670.0	
4123396	PHOENIX CONTACT GmbH & Co. KG	19/07/2022	4123396	22185736.0	German
4123650	Samsung Electronics Co., Ltd.	29/03/2022	4123650	22164984.1	
4124193	Delta Electronics, Inc.	17/06/2022	4124193	22179510.7	
4124287	Welch Allyn, INC.	26/07/2022	4124287	22187011.6	
4125270	Samsung Electronics Co., Ltd.	23/03/2022	4125270	22163843.0	
4125284	Huawei Technologies Co., Ltd.	07/12/2018	4125284	22178965.4	
4125622	4 CARDIOVASCULAR S.R.L.	05/02/2021	4125622	21707374.1	
4126608	Hyperloop Technologies, Inc.	09/03/2021	4126608	21715712.2	
4126781	ROCKWOOL A/S	01/04/2021	4126781	21715653.8	
4127055	Basell Poliolefine Italia S.r.l.	08/03/2021	4127055	21709690.8	
4127254	BASF SE	23/03/2021	4127254	21712876.8	
4127690	Analog Devices International Unlimited Company	15/03/2021	4127690	21712760.4	
4128137	TCL Research Europe Sp. z o. o.	24/03/2020	4128137	20744167.6	
4128559	Telefonaktiebolaget LM ERICSSON (PUBL)	01/04/2020	4128559	20717137.2	
4128964	QUALCOMM INCORPORATED	30/03/2021	4128964	21720886.7	
4129183	FUJIFILM Corporation	19/03/2021	4129183	21779051.8	
4130065	NITTO DENKO CORPORATION	26/07/2022	4130065	22186987.8	
4130534	Zhejiang Sanhua Automotive Components Co., Ltd.	23/03/2021	4130534	21782364.0	
4130606	Yanmar Power Technology Co., Ltd.	04/03/2021	4130606	21775276.5	
4130655	Guided Ultrasonics Ltd	09/10/2019	4130655	22190609.2	
4130721	LG Energy Solution, Ltd.	30/07/2021	4130721	21848808.8	
4131216	Canon Kabushiki Kaisha	22/03/2021	4131216	21780926.8	
4131610	LG Energy Solution, Ltd.	11/01/2022	4131610	22742758.0	
4131763	Hitachi, Ltd.	03/12/2020	4131763	20927721.9	
4131996	Audio-Technica Corporation	01/12/2020	4131996	20929345.5	
4132018	Samsung Electronics Co., Ltd.	03/06/2021	4132018	21822362.6	
4132211	Sony Group Corporation	05/03/2021	4132211	21774715.3	
4132823	Hitachi Astemo France	07/04/2021	4132823	21717406.9	French
4133784	QUALCOMM INCORPORATED	31/03/2021	4133784	21721280.2	
4133915	ElringKlinger AG	30/03/2021	4133915	21716347.6	German
4134489	BAUER Maschinen GmbH	12/08/2021	4134489	21191049.2	German
4134720	LARGAN Precision Co., Ltd.	10/12/2021	4134720	21213620.4	
4135005	SFC Co., Ltd.	05/08/2022	4135005	22189000.7	
4135683	ARIVA Med GmbH	16/04/2021	4135683	21718587.5	
4135829	Illinois Tool Works Inc.	13/04/2021	4135829	21720961.8	
4135892	Kellogg Brown & Root LLC	13/04/2021	4135892	21788392.5	
4136558	Microsoft Technology Licensing, LLC	18/02/2021	4136558	21711127.7	
4136913	Panasonic Intellectual Property Corporation of America	18/02/2021	4136913	21935428.9	
4137092	Shih, Jui-Yuan	12/08/2022	4137092	22190116.8	
4137276	Techtronic Cordless GP	03/04/2022	4137276	22166420.4	
4137409	The Yokohama Rubber Co., Ltd.	07/01/2021	4137409	21788609.2	
4137736	Wang, Mengjun	30/07/2021	4137736	21940003.3	
4138471	Nokia Technologies Oy	16/08/2022	4138471	22190509.4	
4138976	Bard Peripheral Vascular, Inc.	30/04/2020	4138976	20727073.7	
4140065	QUALCOMM Incorporated	18/04/2021	4140065	21724866.5	
4140350	Nike Innovate C.V.	17/05/2018	4140350	22201557.0	
4140401	Starkey Laboratories, Inc.	02/08/2022	4140401	22188227.7	
4140539	ViewRay Systems, Inc.	14/03/2014	4140539	22203401.9	

4141342	Qingdao Haier Air-Conditioning Electronic Co., Ltd	04/02/2021	4141342	21792632.8	
	Haier Smart Home Co., Ltd.				
4141343	Qingdao Haier Air-Conditioning Electronic Co., Ltd	04/02/2021	4141343	21793723.4	
	Haier Smart Home Co., Ltd.				
4141779	JVC KENWOOD Corporation	06/04/2021	4141779	21813468.2	
4142636	Medtronic Navigation, Inc.	28/04/2021	4142636	21727282.2	
4143062	SOS Solutions, Inc.	20/04/2021	4143062	21724136.3	
4143442	Caterpillar Motoren GmbH & Co. KG	16/04/2021	4143442	21721830.4	
4143586	Isabellenhütte Heusler GmbH & Co. KG	05/02/2021	4143586	21703888.4	German
4143883	Microsoft Technology Licensing, LLC	25/03/2021	4143883	21720330.6	
4144124	ZTE Corporation	01/06/2020	4144124	20938596.2	
4144529	Climb Products Co., Ltd.	01/05/2020	4144529	20933556.1	
4145176	R3Vox Ltd.	28/04/2017	4145176	22203420.9	
4145429	Wistron Corporation	22/06/2022	4145429	22180451.1	
4146854	Rieter CZ s.r.o.	05/05/2021	4146854	21730461.7	
4146974	ROCKWOOL A/S	06/07/2021	4146974	21739381.8	
4147122	Microsoft Technology Licensing, LLC	16/03/2021	4147122	21716937.4	
4147381	Sew-Eurodrive GmbH & Co. KG	14/04/2021	4147381	21720175.5	German
4147518	Telefonaktiebolaget LM ERICSSON (PUBL)	04/05/2021	4147518	21723246.1	
4147737	ResMed Pty Ltd	16/03/2015	4147737	22184421.0	
4147905	Ningbo Baby First Baby Products Co., Ltd.	16/04/2021	4147905	21846406.3	
4147930	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	21/07/2020	4147930	20945990.8	
4149058	Huawei Technologies Co., Ltd.	28/05/2021	4149058	21816688.2	
4149780	FPT Motorenforschung AG	14/05/2021	4149780	21725995.1	
4151157	NuVera Medical, Inc.	15/07/2022	4151157	22205440.5	
4151194	Ahn, Jin Hee	17/05/2021	4151194	21802959.3	
4151998	P&K Skin Research Center	27/04/2021	4151998	21803025.2	
4152640	Apple Inc.	20/09/2022	4152640	22196584.1	
4153014	SEB S.A.	17/05/2021	4153014	21727112.1	French
4153076	X-Bolt Orthopedics Limited	18/05/2021	4153076	21728482.7	
4153333	Realization by Investment 4.0 Risikokapitalgesellschaft mbH Dobrin, Alin	19/05/2021	4153333	21730483.1	German
4153481	Fotokite AG	10/05/2021	4153481	21725834.2	
4153548	ZF Airbag Germany GmbH	17/05/2021	4153548	21726104.9	German
4153676	Borealis GmbH	19/05/2021	4153676	21726128.8	
4153923	Samsung Electronics Co., Ltd.	15/07/2021	4153923	21846316.4	
4154229	THALES DIS FRANCE SAS	19/05/2021	4154229	21726912.5	
4154781	LG Electronics Inc.	21/05/2021	4154781	21807856.6	
4154783	LG Electronics Inc.	21/05/2021	4154783	21809192.4	
4155073	Flex Packaging AI S.p.A.	26/09/2022	4155073	22197629.3	
4155823	BOE Technology Group Co., Ltd. BEIJING BOE DISPLAY TECHNOLOGY CO., LTD.	21/12/2020	4155823	20966219.6	
4155991	INTEL Corporation	22/07/2022	4155991	22186366.5	
4156864	Dr. Ralf Hinkel Holding GmbH	23/09/2022	4156864	22020456.4	German
4157065	Pupil Labs GmbH	12/03/2021	4157065	21710513.9	
4157126	Candela Corporation	25/05/2021	4157126	21813527.5	
4157401	CareFusion 303, Inc.	26/05/2021	4157401	21733644.5	
4158134	Henry van Boekel B.V.	26/05/2021	4158134	21729051.9	
4158433	Siemens Aktiengesellschaft	29/06/2021	4158433	21739606.8	German
4158812	ORANGE	20/05/2021	4158812	21733485.3	French
4160231	Sanechips Technology Co., Ltd.	24/05/2021	4160231	21813092.0	
4160782	LG Energy Solution, Ltd.	17/06/2021	4160782	21843086.6	
4160972	QUALCOMM Incorporated	09/08/2018	4160972	22208003.8	
4161393	AMX Technologies, LLC	13/07/2020	4161393	20841488.8	
4161463	ILB Tactical Solutions Ltd.	06/06/2021	4161463	21822329.5	
4161851	Comau LLC	07/06/2021	4161851	21758181.8	

4162788	Deere & Company	19/07/2022	4162788	22185671.9	
4163216	MULTIVAC Sepp Haggenmüller SE & Co. KG	29/09/2022	4163216	22198709.2	German
4163446	CNH Industrial Italia S.p.A.	05/10/2022	4163446	22199761.2	
4163460	EDMA	30/09/2022	4163460	22199148.2	French
4163813	KUBOTA CORPORATION	02/06/2021	4163813	21817272.4	
4163860	Yanmar Holdings Co., Ltd.	21/09/2022	4163860	22196769.8	
4164132	KMW Inc.	01/06/2021	4164132	21821792.5	
4164207	Samsung Electronics Co., Ltd.	06/07/2021	4164207	21838887.4	
4165046	Lunella Biotech, Inc.	10/06/2021	4165046	21821730.5	
4165131	Lignin Industries AB	11/06/2021	4165131	21822436.8	
4165364	Hexagon Metrology, Inc	01/06/2021	4165364	21734712.9	
4165872	Tencent America LLC	18/01/2022	4165872	22838625.6	
4166098	W. L. Gore & Associates, Inc.	12/06/2013	4166098	22209217.3	
4166770	Honeywell International Inc.	30/09/2022	4166770	22198976.7	
4166789	GRAINPROTEINTECH CLIMATE CONTROL AIR TREATMENT ITALY S.P.A.	14/10/2021	4166789	21425050.8	
4166933	Machine Vision Lighting Inc.	15/06/2020	4166933	20939470.9	
4167595	Harman International Industries, Inc.	04/10/2022	4167595	22199619.2	
4167634	Volkswagen Aktiengesellschaft Seat, S.A.	15/10/2021	4167634	21202952.4	
4167810	VEA GROUP S.P.A.	18/06/2021	4167810	21742492.8	
4168775	Illumisonics Inc.	17/06/2021	4168775	21826627.8	
4169298	Telefonaktiebolaget LM Ericsson (publ)	23/06/2020	4169298	20735113.1	
4169542	Fresenius Kabi Deutschland GmbH	25/10/2021	4169542	21204516.5	
4169560	Fisher & Paykel Healthcare Limited	13/07/2012	4169560	22214533.6	
4169724	Canon Production Printing Holding B.V.	21/10/2021	4169724	21203884.8	
4169839	The Boeing Company	21/10/2022	4169839	22203054.6	
4170229	Hasco Vision Technology Co., Ltd.	04/06/2021	4170229	21842368.9	
4170356	STMicroelectronics S.r.l. STMicroelectronics Inc.	10/10/2022	4170356	22200494.7	
4170629	Dassault Aviation	18/10/2022	4170629	22202202.2	French
4170819	NXP USA, Inc.	28/09/2022	4170819	22198295.2	
4171014	Honor Device Co., Ltd.	13/05/2022	4171014	22823979.4	
4171048	Beijing Zitiao Network Technology Co., Ltd.	24/09/2021	4171048	21876946.1	
4171057	Vivo Mobile Communication Co., Ltd.	15/07/2021	4171057	21842105.5	
4171064	Goodix Technology (HK) Company Limited	21/10/2021	4171064	21204004.2	
4171723	Vonova Inc.	30/06/2021	4171723	21831749.3	
4171927	Robert Bosch GmbH	23/06/2021	4171927	21739976.5	German
4172073	AUTOSTORE TECHNOLOGY AS	18/06/2021	4172073	21735234.3	
4172558	CiTEX Holding GmbH	25/06/2021	4172558	21739948.4	German
4172937	Mobile Viewpoint B.V.	22/06/2021	4172937	21734955.4	
4173275	Microsoft Technology Licensing, LLC	28/05/2021	4173275	21734634.5	
4174233	Wacker Neuson Produktion GmbH & Co. KG	25/05/2022	4174233	22175425.2	German
4174235	Wacker Neuson Produktion GmbH & Co. KG	25/10/2022	4174235	22203541.2	German
4174348	Zhejiang Sanhua Automotive Components Co., Ltd.	23/06/2021	4174348	21828065.9	
4174896	LS Electric Co., Ltd.	21/06/2021	4174896	21833433.2	
4175083	ABB SCHWEIZ AG	21/10/2022	4175083	22202934.0	
4175681	Greenbean Scientific Limited	29/06/2021	4175681	21739766.0	
4175804	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	25/06/2021	4175804	21737036.0	
4175837	Bridgestone Europe NV/SA	05/07/2021	4175837	21739670.4	
4176271	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	25/06/2021	4176271	21736307.6	German
4176797	Samsung Electronics Co., Ltd.	28/07/2021	4176797	21854312.2	

4177473	PRATT & WHITNEY CANADA CORP.	07/11/2022	4177473	22205909.9	
4177640	Kyocera Corporation	02/06/2021	4177640	21833120.5	
4177674	Canon Kabushiki Kaisha	25/10/2022	4177674	22203513.1	
4177700	STMICROELECTRONICS (GRENOBLE 2) SAS	28/10/2022	4177700	22204469.5	
4177743	INTEL Corporation	28/09/2022	4177743	22198286.1	
4177795	Nippon Telegraph And Telephone Corporation	01/07/2020	4177795	20943251.7	
4177834	J. MORITA MFG. CORP.	26/10/2022	4177834	22203890.3	
4178157	INTEL Corporation	05/10/2022	4178157	22199900.6	
4178240	Samsung Electronics Co., Ltd.	22/06/2021	4178240	21837489.0	
4178606	The Regents of University of California	29/06/2021	4178606	21838650.6	
4179055	LYNCH, Evelyn	13/07/2021	4179055	21758051.3	German
4179909	Dongguan City EON Sporting Goods Co., Ltd.	05/01/2022	4179909	22150281.8	
4180469	Maruzen Petrochemical Co., Ltd. Kyushu University, National University Corporation	09/07/2021	4180469	21838414.7	
4180598	Foshan Shunde Midea Washing Appliances Mfg. Co., Ltd.	12/07/2022	4180598	22184485.5	
4181028	Samsung Electronics Co., Ltd.	31/10/2022	4181028	22204626.0	
4181629	Harman Professional Denmark ApS	08/11/2022	4181629	22206091.5	
4182267	Saudi Arabian Oil Company King Abdullah University Of Science And Technology	12/11/2020	4182267	20821485.8	
4182582	Robert Bosch GmbH	09/07/2021	4182582	21745940.3	German
4182675	Université de Bretagne Occidentale	16/07/2021	4182675	21742439.9	French
4183194	QUALCOMM INCORPORATED	12/07/2021	4183194	21749498.8	
4183522	Koki Holdings Co., Ltd.	25/06/2021	4183522	21841806.9	
4183552	Nissei ASB Machine Co., Ltd.	16/07/2021	4183552	21842068.5	
4185100	Lely Patent N.V.	15/07/2021	4185100	21751625.1	
4185544	Bellomonte, Santo	25/06/2021	4185544	21759127.0	
4186584	Helmholtz-Zentrum hereon GmbH	25/11/2021	4186584	21210462.4	
4186804	Tanzer Maschinenbau Srl	28/10/2022	4186804	22000243.0	German
4187301	Corning Research & Development Corporation	25/11/2022	4187301	22209737.0	
4187780	2pi-Labs GmbH	04/02/2021	4187780	23150702.1	German
4188049	Friedrich-Alexander-Universität Erlangen-Nürnberg	23/11/2022	4188049	22209080.5	German
4188131	Nicoventures Trading Limited	22/07/2021	4188131	21748876.6	
4188184	Carl Freudenberg KG	02/07/2021	4188184	21739116.8	German
4188389	AstraZeneca AB	01/04/2021	4188389	21716724.6	
4188767	Stoneridge Electronics, AB	26/07/2021	4188767	21758218.8	
4188845	Technische Universität Bergakademie Freiberg	26/07/2021	4188845	21749803.9	German
4189721	Universiteit Antwerpen Imec VZW	09/07/2021	4189721	21740095.1	
4190017	QUALCOMM INCORPORATED	14/07/2021	4190017	21758837.5	
4190272	Corbin Clinical Resources, LLC	03/04/2015	4190272	23152960.3	
4190331	Pharos Ibio Co., Ltd. Korea Institute of Science and Technology	30/07/2021	4190331	21850952.9	
4190388	Maco Pharma	02/12/2022	4190388	22211149.4	French
4190411	OMNIA POSSUM, S.L.	27/07/2020	4190411	20946709.1	
4191347	The Swatch Group Research and Development Ltd	01/12/2021	4191347	21211730.3	French
4192152	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	29/07/2020	4192152	20947375.0	
4192219	Samsung Display Co., Ltd.	05/07/2017	4192219	23153659.0	
4192397	Alphatec Spine, Inc.	28/07/2021	4192397	21756138.0	
4192716	Technische Hochschule Ostwestfalen-Lippe Körperschaft des öffentlichen Rechts	05/08/2021	4192716	21762378.4	German
4193904	Intuitive Surgical Operations, Inc.	11/05/2011	4193904	23154997.3	

4193967	PR Spine GbR	08/12/2021	4193967	21213244.3	German
4194959	Montres Breguet S.A.	09/12/2021	4194959	21213346.6	French
4195398	Honor Device Co., Ltd.	30/08/2022	4195398	22847104.1	
4195413	Huawei Technologies Co., Ltd.	30/07/2021	4195413	21860046.8	
4195846	LG Electronics Inc.	20/07/2021	4195846	21853622.5	
4196191	Bayer HealthCare LLC	12/08/2021	4196191	21763481.5	
4196283	Fiberlite Centrifuge LLC	11/08/2021	4196283	21765782.4	
4196345	Avet AG	16/08/2021	4196345	21763059.9	German
4197357	Shenzhen Smoore Technology Limited	11/11/2022	4197357	22206847.0	
4197797	CANON KABUSHIKI KAISHA	12/12/2022	4197797	22212740.9	
4198110	Pieri Ecologia	16/12/2022	4198110	22214165.7	
4198510	Shenzhen Everbest Machinery Industry Co., Ltd.	04/12/2020	4198510	20964053.1	
4198822	Krones AG	08/12/2022	4198822	22212237.6	German
4199662	Honor Device Co., Ltd.	26/08/2022	4199662	22857003.2	
4200150	Blue Sky IP Ltd	18/08/2021	4200150	21769656.6	
4201460	Fisher & Paykel Healthcare Limited	22/05/2018	4201460	22210028.1	
4201593	Brady Worldwide, Inc.	08/12/2022	4201593	22212245.9	
4201805	Yamaha Hatsudoki Kabushiki Kaisha	01/12/2022	4201805	22210821.9	
4202223	WILO SE	25/10/2022	4202223	22203540.4	German
4202511	Nokia Solutions and Networks Oy	15/12/2022	4202511	22213663.2	
4202638	INTEL Corporation	03/11/2022	4202638	22205219.3	
4202933	Samsung Electronics Co., Ltd.	28/06/2022	4202933	22181529.3	
4203121	LG Energy Solution, Ltd.	18/10/2021	4203121	21883165.9	
4203420	Juniper Networks, Inc.	14/02/2022	4203420	22156611.0	
4204551	Novozymes A/S	24/08/2021	4204551	21769102.1	
4204657	Schlumberger Technology B.V.	26/08/2021	4204657	21862727.1	
4205595	Yotrio Group Co., Ltd.	28/12/2022	4205595	22217026.8	
4205873	Lincoln Global, Inc.	03/01/2023	4205873	23150152.9	
4205909	ETABLISSEMENTS GEORGES RENAULT	19/12/2022	4205909	22214448.7	French
4206011	Ningbo Geely Automobile Research & Development Co., Ltd. Zhejiang Geely Holding Group Co., Ltd.	04/01/2022	4206011	22150232.1	
4206382	LG Electronics, Inc.	20/12/2022	4206382	22214995.7	
4206591	LG Electronics, Inc.	28/12/2022	4206591	22216983.1	
4207302	BOE Technology Group Co., Ltd.	25/06/2021	4207302	21946502.8	
4207917	LG Electronics Inc.	25/03/2022	4207917	22776138.4	
4209489	Corteva Agriscience LLC	20/05/2019	4209489	23158047.3	
4209565	National University Corporation Nara Institute of Science and Technology Toshiba Materials Co., Ltd.	06/09/2021	4209565	21864468.0	
4209728	Vaillant GmbH	04/01/2023	4209728	23150229.5	German
4210248	Samsung Electronics Co., Ltd.	06/10/2021	4210248	21877988.2	
4210318	HTC Corporation	14/11/2022	4210318	22207299.3	
4210611	Stryker European Operations Limited	09/09/2021	4210611	21794937.9	
4211581	Accenture Global Solutions Limited	04/11/2021	4211581	21806686.8	
4212431	Goodrich Actuation Systems Limited	10/02/2020	4212431	23161571.7	
4213059	Dassault Systèmes	17/01/2022	4213059	22305041.0	
4213598	Honor Device Co., Ltd.	25/08/2022	4213598	22857004.0	
4213778	Johnson & Johnson Surgical Vision, Inc.	13/09/2021	4213778	21785987.5	
4214100	Mercedes-Benz Group AG	23/07/2021	4214100	21751780.4	German
4214866	Nokia Technologies Oy	15/09/2020	4214866	20772267.9	
4215401	Hyundai Mobis Co., Ltd.	27/12/2022	4215401	22216827.0	
4215881	Garsi, Davide	10/01/2023	4215881	23150898.7	
4215883	Kyoto Electronics Manufacturing Co., Ltd.	25/08/2021	4215883	21869131.9	
4215910	Honeywell International Inc.	30/06/2020	4215910	23160242.6	
4216201	Hübner GmbH & Co. KG	20/01/2022	4216201	22152513.2	German
4216378	KOMAX HOLDING AG	19/01/2022	4216378	22152286.5	German
4216910	Dow Global Technologies LLC Dow Silicones Corporation Rohm and Haas Company	21/09/2021	4216910	21790025.7	

4217086	Universal City Studios LLC	20/09/2021	4217086	21790014.1	
4217130	SAFRAN AIRCRAFT ENGINES	20/09/2021	4217130	21790945.6	French
4217205	Giesecke+Devrient Currency Technology GmbH	17/09/2021	4217205	21782879.7	German
4217670	Tower Cold Chain Solutions Limited	24/09/2021	4217670	21789800.6	
4217826	Apple Inc.	15/09/2021	4217826	21790694.0	
4217838	Apple Inc.	24/09/2021	4217838	21802039.4	
4217859	Microsoft Technology Licensing, LLC	07/06/2021	4217859	21749365.9	
4218423	Bühler AG	26/01/2022	4218423	22153379.7	
4220353	Samsung Electronics Co., Ltd.	26/01/2023	4220353	23153441.3	
4220891	QUALCOMM Incorporated	26/08/2016	4220891	23165799.0	
4221093	Cisco Technology, Inc.	19/04/2019	4221093	23166210.7	
4221157	nChain Licensing AG	25/06/2018	4221157	23164502.9	
4221628	Aesculap AG	27/09/2021	4221628	21783253.4	German
4221639	Stryker Corporation	01/10/2021	4221639	21806513.4	
4221929	University of South Africa	30/09/2021	4221929	21811735.6	
4222026	Atieva, Inc.	01/10/2021	4222026	21876716.8	
4222035	Volkswagen Group of America Investments, LLC	29/09/2021	4222035	21876345.6	
4222087	Laitram, L.L.C.	11/08/2021	4222087	21765784.0	
4222412	Butting CryoTech GmbH	01/10/2021	4222412	21791257.5	German
4223160	Shenzhen First Union Technology Co., Ltd.	29/09/2021	4223160	21874544.6	
4223386	MANN+HUMMEL GmbH	02/06/2022	4223386	22177054.8	
4223932	MOBA Mobile Automation AG	31/01/2023	4223932	23154187.1	German
4224024	Zedel	11/04/2020	4224024	23168353.3	French
4224540	FUJIFILM Corporation	11/06/2021	4224540	21874825.9	
4224795	Senseon Tech Ltd	21/06/2019	4224795	23170093.1	
4226071	KWR Water B.V.	04/10/2021	4226071	21794239.0	
4227054	Foshan Hope Digital Printing Equipment Co., Ltd.	30/11/2022	4227054	22888635.4	
4227627	Deutsches Zentrum für Luft- und Raumfahrt e.V.	09/02/2023	4227627	23155893.3	German
4227787	Apple Inc.	02/05/2019	4227787	23168077.8	
4228222	Fujifilm Business Innovation Corp.	01/10/2022	4228222	22199311.6	
4228278	CANON KABUSHIKI KAISHA	24/01/2023	4228278	23153141.9	
4228364	Wilus Institute of Standards and Technology Inc.	14/10/2021	4228364	21880558.8	
4229382	GAZTRANSPORT ET TECHNIGAZ	11/10/2021	4229382	21791306.0	French
4229635	Dolby International AB	15/10/2021	4229635	21794802.5	
4229860	Robert Bosch GmbH	28/09/2021	4229860	21786135.0	
4230133	Autonomix Medical, Inc.	20/10/2016	4230133	23170175.6	
4230352	Andreas Stihl AG & Co. KG	21/02/2022	4230352	22157832.1	German
4231139	Imagination Technologies Limited	28/06/2021	4231139	23162984.1	
4231205	Hitachi, Ltd.	25/11/2022	4231205	22209576.2	
4231669	Microsoft Technology Licensing, LLC	21/05/2018	4231669	23167762.6	
4231877	Prohibition X PTE. Ltd.	22/10/2021	4231877	21882235.1	
4232264	Stratasys Ltd.	21/10/2021	4232264	21806410.3	
4232886	Haptx, Inc.	08/10/2021	4232886	21883550.2	
4233268	NTT Research, Inc.	22/10/2021	4233268	21884022.1	
4233582	Shenzhen First Union Technology Co., Ltd.	21/10/2021	4233582	21882112.2	
4234469	OTIS Elevator Company	28/12/2018	4234469	23177387.0	
4234581	Pfizer Inc.	30/03/2016	4234581	23171630.9	
4235189	ROSEMOUNT AEROSPACE INC.	12/12/2019	4235189	23165129.0	
4235256	Hamamatsu Photonics K.K.	18/06/2018	4235256	23181367.6	
4235846	Denka Company Limited	02/12/2021	4235846	21900673.1	
4236104	CEVA Technologies, Ltd	23/02/2023	4236104	23158352.7	
4236265	INOVA Semiconductors GmbH	27/09/2022	4236265	22198219.2	German
4236610	Sun Patent Trust	11/06/2013	4236610	23175959.8	
4236802	Corify Care S.L.	26/10/2021	4236802	21798714.8	
4236855	DePuy Ireland Unlimited Company	27/10/2021	4236855	21805404.7	
4237424	ISI Energy, Inc.	24/06/2021	4237424	21889771.8	
4238490	Intuitive Surgical Operations, Inc.	29/06/2017	4238490	23182322.0	

4238560	Senju Pharmaceutical Co., Ltd. Tohoku University	29/10/2021	4238560	21886416.3	
4238601	Löwenstein Medical Technology S.A.	22/02/2023	4238601	23157936.8	German
4238780	Humanetics Austria GmbH	04/10/2022	4238780	22199558.2	
4239483	Micware Co., Ltd.	29/10/2021	4239483	21886381.9	
4239957	Nokia Technologies Oy	09/02/2023	4239957	23155830.5	
4240892	PENTEK TEXTILE MACHINERY S.R.L.	03/11/2021	4240892	21801563.4	
4241067	Insplosion Sensor Systems AB	03/11/2021	4241067	21802718.3	
4241544	Maschio Gaspardo S.p.A.	09/03/2023	4241544	23161037.9	
4241726	Align Technology, Inc.	23/02/2016	4241726	23188973.4	
4241826	Surpass Industry Co., Ltd.	03/03/2023	4241826	23159880.6	
4242534	LG ELECTRONICS, INC.	07/03/2023	4242534	23160468.7	
4242790	INTEL Corporation	08/02/2023	4242790	23155527.7	
4242916	Boehringer Ingelheim International GmbH	04/05/2015	4242916	23175319.5	
4243175	LG Energy Solution, Ltd.	06/07/2022	4243175	22837984.8	
4243405	Sony Semiconductor Solutions Corporation	26/10/2021	4243405	21889082.0	
4244070	Giesecke+Devrient Currency Technology GmbH	04/10/2021	4244070	21786769.6	German
4244480	Maersk A/S	12/11/2021	4244480	21819352.2	
4244517	Fränkische Industrial Pipes GmbH & Co. KG	11/11/2021	4244517	21815122.3	German
4246455	Xiaomi EV Technology Co., Ltd.	28/07/2022	4246455	22187467.0	
4246479	Honeywell International Inc.	06/03/2023	4246479	23160110.5	
4246495	THALES	13/03/2023	4246495	23161405.8	French
4246513	Wilus Institute of Standards and Technology Inc. GCoA Co., Ltd.	23/12/2014	4246513	23190101.8	
4246794	Huawei Digital Power Technologies Co., Ltd.	31/12/2020	4246794	20967704.6	
4247020	Interdigital Patent Holdings, Inc.	06/10/2017	4247020	23187543.6	
4247088	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	11/03/2021	4247088	21929571.4	
4247902	Vestatis GmbH	23/11/2021	4247902	21827418.1	
4248111	Cummins, Inc.	22/11/2021	4248111	21904639.8	
4248125	Robert Bosch GmbH	18/11/2021	4248125	21819059.3	German
4248513	LG Energy Solution, Ltd.	08/07/2022	4248513	22838065.5	
4248514	LG Energy Solution, Ltd.	08/07/2022	4248514	22838067.1	
4249290	BRIDGESTONE CORPORATION	08/10/2021	4249290	21894361.1	
4249323	Recaro Aircraft Seating GmbH & Co. KG	18/10/2018	4249323	23179859.6	German
4249618	Sumitomo Electric Hardmetal Corp.	04/03/2022	4249618	22795287.6	
4249860	Krohne Messtechnik GmbH	24/03/2023	4249860	23163925.3	German
4250065	CANON KABUSHIKI KAISHA	03/03/2023	4250065	23159828.5	
4250069	NAQI LOGIX INC.	22/01/2018	4250069	23186368.9	
4250528	Furukawa Electric Co., Ltd.	01/11/2021	4250528	21894457.7	
4251047	Avia Vascular, LLC	26/11/2021	4251047	21899151.1	
4251256	CareFusion 303, Inc.	09/11/2021	4251256	21819660.8	
4252023	THALES	24/11/2021	4252023	21816443.2	French
4252060	CREAL SA	24/11/2020	4252060	20817091.0	
4252972	OMRON Corporation	22/02/2023	4252972	23157880.8	
4253315	Denka Company Limited	17/12/2021	4253315	21917656.7	
4254107	Silbloxx bv	03/04/2023	4254107	23166281.8	
4254449	Murata Manufacturing Co., Ltd.	31/03/2022	4254449	22305410.7	
4254657	Samsung Electronics Co., Ltd.	24/11/2017	4254657	23182147.1	
4254841	QUALCOMM Incorporated	16/08/2017	4254841	23187905.7	
4254849	QUALCOMM Incorporated	01/07/2019	4254849	23187799.4	
4254919	RIEDEL Communications International GmbH	22/12/2017	4254919	23183024.1	German
4256454	Banks and Acquirers International Holding	03/12/2021	4256454	21824556.1	French
4257297	Maxell Izumi Co., Ltd.	18/05/2022	4257297	22811217.3	
4257448	CRRC Qingdao Sifang Co., Ltd.	06/04/2021	4257448	21899501.7	
4257863	StarMed GmbH	04/04/2023	4257863	23166473.1	German
4257910	Nortek Air Solutions Canada, Inc.	08/08/2012	4257910	23189613.5	

4258166	TOPPAN INC.	30/11/2021	4258166	21900588.1	
4258618	Google LLC	15/11/2022	4258618	22207523.6	
4258977	Creo Medical Ltd	06/12/2021	4258977	21835202.9	
4259011	Covidien LP	03/12/2021	4259011	21841056.1	
4259024	Robeaute	10/12/2021	4259024	21820645.6	
	Sorbonne Université				
	Centre National de la Recherche Scientifique				
4259068	The Procter & Gamble Company	08/12/2021	4259068	21831454.0	
4260404	Google LLC	11/12/2020	4260404	20834100.8	
4260565	Amazon Technologies, Inc.	19/11/2021	4260565	21827804.2	
4261018	Tetra Laval Holdings & Finance S.A.	11/04/2023	4261018	23167244.5	
4262269	MITSUBISHI ELECTRIC CORPORATION	14/04/2022	4262269	22305550.0	
4262413	University College Dublin	17/12/2021	4262413	21844213.5	
4262418	Ekaterra Research and Development UK Limited	04/10/2021	4262418	21793861.2	
4263319	Voith Patent GmbH	15/12/2021	4263319	21840465.5	German
4263893	ArcelorMittal	03/12/2021	4263893	21819987.5	
4263924	Bräcker AG	16/12/2021	4263924	21830785.8	German
4264428	Microsoft Technology Licensing, LLC	23/11/2021	4264428	21827735.8	
4264443	Microsoft Technology Licensing, LLC	23/11/2021	4264443	21827497.5	
4266167	Honor Device Co., Ltd.	05/01/2023	4266167	23737105.9	
4266328	Changchun Jetty Automotive Technology Co., Ltd.	15/10/2021	4266328	21905258.6	
4267337	MIWENTI S.R.L.	22/12/2021	4267337	21845100.3	
4267408	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	22/12/2020	4267408	20845720.0	
4267446	Bode - Die Tür GmbH	27/05/2022	4267446	22730865.7	German
4267762	Integrated DNA Technologies, Inc.	22/12/2021	4267762	21848391.5	
4267843	VESTAS WIND SYSTEMS A/S	13/07/2021	4267843	21739971.6	
4268571	Agco Corporation	28/03/2023	4268571	23164753.8	
4268780	4 Power 4 - Powerstand	25/04/2022	4268780	22169855.8	French
4268920	DIC Corporation	09/12/2021	4268920	21910335.5	
4269075	Meissner Filtration Products, Inc.	15/04/2016	4269075	23196613.6	
4269290	Grob-Werke GmbH & Co. KG	23/05/2022	4269290	22174868.4	German
4269312	Hitachi, Ltd.	25/12/2020	4269312	20967052.0	
4270051	FUJIFILM Corporation	13/04/2023	4270051	23167690.9	
4270155	Nokia Technologies Oy	26/04/2022	4270155	22170069.3	
4272596	NIKE Innovate C.V.	20/07/2020	4272596	23197825.5	
4272703	Hangzhou Valgen Medtech Co., Ltd.	15/12/2021	4272703	21913910.2	
4272845	MARKER Deutschland GmbH	27/04/2023	4272845	23170370.3	German
4273687	Petal Cloud Technology Co., Ltd.	17/12/2021	4273687	21924428.2	
4273840	LG Energy Solution, Ltd.	26/07/2022	4273840	22901493.1	
4273841	LG Energy Solution, Ltd.	20/07/2022	4273841	22904376.5	
4273915	Samsung Electronics Co., Ltd.	28/04/2023	4273915	23170824.9	
4273974	Kolon Industries, Inc.	24/01/2022	4273974	22756392.1	
4274519	DePuy Synthes Products, Inc.	06/01/2022	4274519	22700199.7	
	Stratasys, Inc.				
4275106	Microsoft Technology Licensing, LLC	30/11/2021	4275106	21835021.3	
4275127	ZF Friedrichshafen AG	26/10/2021	4275127	21801083.3	German
4275978	Hyundai Mobis Co., Ltd.	12/05/2023	4275978	23173033.4	
4276560	KABUSHIKI KAISHA TOSHIBA	03/05/2023	4276560	23171247.2	
	Toshiba Energy Systems & Solutions Corporation				
4276595	Gree Electric Appliances, Inc. of Zhuhai	08/11/2021	4276595	21932648.5	
4276609	Intel Corporation	08/10/2019	4276609	23200278.2	
4277235	Huawei Technologies Co. Ltd.	20/01/2022	4277235	22748886.3	
4277246	Honor Device Co., Ltd.	15/12/2022	4277246	22902455.9	
4277250	Samsung Electronics Co., Ltd.	12/12/2022	4277250	22822839.1	
4278223	Signify Holding B.V.	10/01/2022	4278223	22700238.3	
4278885	Agco Corporation	09/05/2023	4278885	23172399.0	

4279018	Guilin Woodpecker Medical Instrument Co., Ltd.	29/12/2021	4279018	21944933.7	
4279326	INRO Elektrotechnik GmbH	21/09/2022	4279326	22196935.5	German
4279786	Howard S. Cooke & Co. Limited	19/05/2023	4279786	23174359.2	
4280006	Honeywell International Inc.	04/05/2023	4280006	23171598.8	
4280211	Beijing Honor Device Co., Ltd.	26/05/2022	4280211	22855039.8	
4280390	Avertronics Inc.	17/05/2022	4280390	22173666.3	
4280463	THALES	15/05/2023	4280463	23173386.6	French
4280615	Honor Device Co., Ltd.	16/05/2022	4280615	22847968.9	
4281214	Scientific Design LLC	18/01/2022	4281214	22743025.3	
4281321	Valeo Vision	21/01/2022	4281321	22701591.4	French
4281655	Tribosonics Limited NOVARES France	07/01/2022	4281655	22704403.9	French
4281778	Uniogen Oy	24/01/2022	4281778	22703691.0	
4281836	Siemens Mobility Austria GmbH	25/02/2021	4281836	21713785.0	
4281854	Apple Inc.	22/02/2022	4281854	22713782.5	
4282134	Telefonaktiebolaget LM Ericsson (publ)	19/01/2021	4282134	21701851.4	
4282198	Ofinno, LLC	19/01/2022	4282198	22704060.7	
4282545	Deutsche Post AG	24/05/2023	4282545	23175190.0	German
4282852	Hanwha Solutions Corporation	25/01/2022	4282852	22742913.1	
4283338	MITSUBISHI ELECTRIC CORPORATION	26/02/2021	4283338	21927863.7	
4283601	Honor Device Co., Ltd.	20/05/2022	4283601	22844971.6	
4284057	LG Electronics Inc.	05/01/2018	4284057	23201993.5	
4285974	Löwenstein Medical Technology S.A.	04/05/2023	4285974	23171467.6	German
4286126	Kaneka Corporation	25/01/2022	4286126	22745848.6	
4286275	Airbus Operations GmbH	30/05/2022	4286275	22176239.6	German
4286429	LG Chem, Ltd.	17/01/2023	4286429	23740542.8	
4286652	RTX Corporation	05/06/2023	4286652	23177248.4	
4286679	Zhongshan Peili Technology Co., Ltd.	31/05/2023	4286679	23176356.6	
4287177	xMEMS Labs, Inc.	30/05/2023	4287177	23175975.4	
4287412	Samsung Electronics Co., Ltd.	14/07/2022	4287412	22842479.2	
4287566	Motorcomm Electronic Technology Co., Ltd.	14/11/2022	4287566	22207108.6	
4287927	JCYTE, INC.	01/02/2022	4287927	22704717.2	
4288513	Saudi Arabian Oil Company	23/02/2022	4288513	22710807.3	
4289481	Purdue Research Foundation	08/06/2023	4289481	23178284.8	
4290041	Hunter Douglas Industries B.V.	06/06/2023	4290041	23177577.6	
4290166	Munters Corporation	10/09/2019	4290166	23204898.3	
4290328	Jingdong Technology Information Technology Co., Ltd.	14/12/2021	4290328	21924402.7	
4290345	Honor Device Co., Ltd.	28/04/2022	4290345	22847921.8	
4290954	Beijing Xiaomi Mobile Software Co., Ltd.	02/02/2021	4290954	21923675.9	
4291273	Norton (Waterford) Limited	11/02/2022	4291273	22706557.0	
4291743	Aexion Inc.	03/02/2022	4291743	22753154.8	
4291779	Exergyn Ltd.	11/02/2022	4291779	22706565.3	
4292897	Robert Bosch GmbH	19/01/2022	4292897	22703843.7	
4293147	Trützschler Group SE	16/03/2023	4293147	23162264.8	German
4293362	TECAN Trading AG	15/06/2022	4293362	22179252.6	
4293370	LG Energy Solution, Ltd.	27/09/2022	4293370	22881254.1	
4293597	Beijing Honor Device Co., Ltd.	05/05/2022	4293597	22851637.3	
4294062	Huawei Technologies Co., Ltd.	14/04/2020	4294062	23184049.7	
4295620	Nokia Technologies Oy	20/01/2022	4295620	22713266.9	
4295719	JV International S.r.l.	22/06/2023	4295719	23180794.2	
4296201	FELSOMAT GmbH & Co. KG	15/06/2023	4296201	23179566.7	German
4296448	Yotrio Group Co., Ltd.	10/03/2023	4296448	23161244.1	
4296520	Pfeiffer Vacuum Technology AG	29/09/2023	4296520	23200697.3	German
4296628	Krohne AG	22/06/2023	4296628	23180947.6	German
4296797	JEOL Ltd. RIKEN	10/02/2022	4296797	22756085.1	
4296904	Samsung Electronics Co., Ltd.	21/04/2022	4296904	22867486.7	

4296947	Beijing Zitiao Network Technology Co., Ltd.	02/11/2022	4296947	22851381.8	
4297029	Huawei Technologies Co. Ltd.	27/06/2019	4297029	23190581.1	
4297069	SHIN-ETSU CHEMICAL CO., LTD.	08/02/2022	4297069	22756022.4	
4297225	Huawei Digital Power Technologies Co., Ltd.	29/03/2021	4297225	21933545.2	
4297266	Huawei Digital Power Technologies Co., Ltd.	10/03/2021	4297266	21929542.5	
4297857	Medtronic, Inc.	24/02/2022	4297857	22710276.1	
4298351	FS Innotech GmbH	24/02/2022	4298351	22708120.5	German
4299038	TORNIER	10/12/2015	4299038	23210681.5	
4299097	Dynasthetics, LLC	27/06/2023	4299097	23181623.2	
4299339	Sumitomo Rubber Industries, Ltd.	09/06/2023	4299339	23178388.7	
4299922	Airbus Operations GmbH	29/06/2022	4299922	22181933.7	
4299953	CNH Industrial Italia S.p.A.	23/06/2023	4299953	23181298.3	
4300869	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	02/01/2018	4300869	23210437.2	
4300982	Arashi Vision Inc.	24/02/2022	4300982	22758918.1	
4301027	NEC Corporation	24/02/2021	4301027	21927774.6	
4301652	Selle Royal Group S.p.A.	04/03/2022	4301652	22708236.9	
4301982	Nuovo Pignone Tecnologie - S.r.l.	04/03/2022	4301982	22710486.6	
4302145	Marvell Asia Pte, Ltd.	03/03/2022	4302145	22764027.3	
4302180	Huawei Technologies Co. Ltd.	29/03/2021	4302180	21716309.6	
4303107	ABUS August Bremicker Söhne KG	06/07/2023	4303107	23183921.8	German
4303159	SK On Co., Ltd.	21/10/2022	4303159	22203151.0	
4303775	THALES	06/07/2023	4303775	23183887.1	French
4305193	ILLUMINA, INC.	04/03/2022	4305193	22712167.0	
4305616	QUALCOMM INCORPORATED	12/03/2021	4305616	21714301.5	
4305784	Nokia Technologies Oy	03/02/2022	4305784	22766431.5	
4306012	Zeroth Law, Inc.	25/02/2022	4306012	22767375.3	
4306370	Bambino Prezioso Switzerland AG	07/12/2018	4306370	23199699.2	
4306454	SIT S.P.A.	13/07/2023	4306454	23185185.8	
4306624	Afton Chemical Corporation	26/06/2023	4306624	23181419.5	
4306767	Weatherford Technology Holdings, LLC	06/03/2018	4306767	23211174.0	
4306815	Aktiebolaget SKF	04/07/2023	4306815	23183197.5	
4308501	Chevron U.S.A. Inc.	14/03/2022	4308501	22711638.1	
4308980	National Research Council of Canada	10/03/2022	4308980	22770111.7	
4309082	QUALCOMM INCORPORATED	17/03/2022	4309082	22715825.0	
4309713	Mallinckrodt Pharmaceuticals Ireland Limited	11/05/2015	4309713	23215095.3	
4309718	Stamford Devices Limited	03/07/2018	4309718	23213965.9	
4309989	SRAM, LLC.	28/06/2023	4309989	23182043.2	
4310162	Afton Chemical Corporation	14/07/2023	4310162	23185448.0	
4310300	Caterpillar, Inc.	27/06/2023	4310300	23181927.7	
4310350	New H Powertrain Holding, S.l.u.	10/07/2023	4310350	23184515.7	French
4310353	Kabushiki Kaisha F.C.C.	21/07/2023	4310353	23187021.3	
4310638	Sony Interactive Entertainment Inc.	06/07/2023	4310638	23183845.9	
4311172	Huawei Technologies Co., Ltd.	16/03/2022	4311172	22783852.1	
4311696	Wonder SPA	01/06/2023	4311696	23176837.5	
4312073	Rockwell Collins, Inc.	20/07/2023	4312073	23186679.9	
4312107	Sony Interactive Entertainment Europe Limited	20/07/2023	4312107	23186614.6	
4312338	Ningbo Daye Garden Machinery Co., Ltd.	27/12/2022	4312338	22216746.2	
4312821	Hoogland Spine Products GmbH	31/03/2021	4312821	21716373.2	
4312830	Medtronic Vascular, Inc.	29/03/2022	4312830	22714599.2	
4313114	Chiesi Farmaceutici S.p.A.	25/03/2022	4313114	22713959.9	
4313191	Johnson & Johnson Surgical Vision, Inc.	29/03/2022	4313191	22714597.6	
4313828	KONE Corporation	23/03/2021	4313828	21714637.2	
4314542	Ocean Harvesting Technologies AB	24/03/2022	4314542	22718150.0	
4315571	Neodymotors GmbH	02/02/2022	4315571	22706386.4	
4315759	3M Innovative Properties Company	02/03/2022	4315759	22714002.7	
4316021	Samsung Electronics Co., Ltd.	22/07/2022	4316021	22849816.8	

4316555	Mallinckrodt Pharmaceuticals Ireland Limited	11/05/2015	4316555	23215086.2	
4316556	Fisher & Paykel Healthcare Limited	05/06/2014	4316556	23217540.6	
4316955	Beijing Xiaomi Robot Technology Co., Ltd.	27/12/2022	4316955	22216813.0	
4318181	Samsung Electronics Co., Ltd.	01/04/2022	4318181	22846003.6	
4318365	Mitel Networks Corporation	04/08/2023	4318365	23189745.5	
4318580	MediaTek Inc.	17/07/2023	4318580	23185716.0	
4319274	Datang Mobile Communications Equipment Co., Ltd.	23/03/2022	4319274	22778694.4	
4319437	Nokia Technologies Oy	04/08/2022	4319437	22188870.4	
4320090	BASF SE	08/04/2022	4320090	22721368.3	
	Dow Global Technologies LLC				
4320613	AKWEL	05/04/2022	4320613	22720717.2	French
	Tallano Technologies				
4320644	Solarlab Aiko Europe GmbH	08/02/2022	4320644	22712248.8	
4321118	Stryker European Operations Limited	11/08/2023	4321118	23191087.8	
4321725	JMI MFG	14/06/2023	4321725	23179286.2	
4321838	Nexans	10/08/2022	4321838	22306208.4	
4321854	Tata Consultancy Services Limited	19/07/2023	4321854	23186391.1	
4322257	SVOLT Energy Technology Co., Ltd.	24/12/2021	4322257	21941746.6	
4322301	Contemporary Ampere Technology (Hong Kong) Limited	16/12/2021	4322301	21967704.4	
4323687	Carbon Cylinder S.r.l.	24/03/2022	4323687	22717607.0	
4324536	Universal City Studios LLC	18/11/2019	4324536	24150720.1	
4324929	Bruker Spatial Biology, Inc.	16/05/2017	4324929	23183318.7	
4325216	National Research Council of Canada	16/08/2017	4325216	23219311.0	
4325351	nChain Licensing AG	05/07/2018	4325351	23208507.6	
4325726	KABUSHIKI KAISHA TOSHIBA	24/02/2023	4325726	23158513.4	
4326155	NG Detectors S.r.l.	13/04/2022	4326155	22722347.6	
4326541	Albany Engineered Composites, Inc.	19/04/2022	4326541	22726851.3	
4327417	Schunk Sonosystems GmbH	29/07/2021	4327417	21752047.7	German
4328761	Oracle International Corporation	10/09/2020	4328761	23207874.1	
4328908	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	14/08/2015	4328908	24151606.1	
4329603	Shanghai United Imaging Healthcare Co., Ltd.	14/12/2022	4329603	22923529.6	
4329619	Shanghai United Imaging Healthcare Co., Ltd.	14/09/2022	4329619	22869287.7	
4329867	Bard Peripheral Vascular, Inc.	07/05/2021	4329867	21733594.2	
4330048	Hewlett-Packard Development Company, L.P.	30/04/2021	4330048	21939553.0	
4330551	Edwards Limited	29/04/2022	4330551	22722547.1	
4330730	Shanghai United Imaging Healthcare Co., Ltd.	17/07/2023	4330730	23809953.5	
4331253	Giesecke+Devrient ePayments GmbH	25/04/2022	4331253	22724644.4	
4331877	MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.	29/03/2022	4331877	22795472.4	
4332142	Shin-Etsu Chemical Co., Ltd.	28/08/2023	4332142	23193659.2	
4332203	Toyo Drilube Co., Ltd.	24/05/2022	4332203	22815918.2	
	JFE Steel Corporation				
4332204	JFE Steel Corporation	24/05/2022	4332204	22815919.0	
	Toyo Drilube Co., Ltd.				
4332524	Seiko Epson Corporation	29/08/2023	4332524	23193851.5	
4332949	Nanjing Lopu Co Ltd	29/11/2022	4332949	22868456.9	
	Nanjing Lopu Technology Co., Ltd.				
4333700	Koninklijke Philips Electronics N.V.	24/04/2022	4333700	22724766.5	
4333926	Baxter International Inc.	06/05/2022	4333926	22729333.9	
	BAXTER HEALTHCARE SA				
4334665	Barnett Outdoors, LLC	06/05/2022	4334665	22799720.2	
4334850	HRL Laboratories, LLC	04/05/2022	4334850	22799502.4	
4334860	ORACLE INTERNATIONAL CORPORATION	15/04/2022	4334860	22721583.7	

4335102	Lenovo (Singapore) Pte. Ltd.	05/05/2022	4335102	22724492.8	
4336092	Nu Flow Technologies 2000 Inc.	23/05/2019	4336092	24153491.6	
4337100	Koninklijke Philips N.V.	07/04/2022	4337100	22716976.0	
4337860	Philips Image Guided Therapy Corporation thyssenkrupp Dynamic Components GmbH thyssenkrupp AG	29/04/2022	4337860	22727022.0	German
4337873	Schaeffler Technologies AG & Co. KG	02/05/2022	4337873	22724410.0	German
4338791	Envoy Medical Corporation	21/02/2020	4338791	23213331.4	
4339422	Oliver Crispin Robotics Limited	23/02/2021	4339422	23203355.5	
4339426	Jiangsu Jointek Precision Machinery Co., Ltd	27/04/2022	4339426	22897041.4	
4340377	Sony Interactive Entertainment Inc.	30/09/2020	4340377	24152690.4	
4341447	ArcelorMittal	18/05/2021	4341447	21727939.7	
4341448	ArcelorMittal	18/05/2021	4341448	21727940.5	
4341604	Lumileds LLC	23/05/2022	4341604	22731404.4	
4342006	Centre National de la Recherche Scientifique Université Paris-Saclay Commissariat à l'Energie Atomique et aux Energies Alternatives	17/05/2022	4342006	22730105.8	French
4342226	Ofinno, LLC	22/03/2023	4342226	23717726.6	
4342665	Bucher Vaslin	11/07/2022	4342665	24157376.5	French
4342961	REG Synthetic Fuels, LLC	10/05/2017	4342961	23206909.6	
4343161	Huawei Technologies Co., Ltd.	28/06/2022	4343161	22832047.9	
4343215	Daikin Industries, Ltd.	18/05/2022	4343215	22804704.9	
4343683	Honor Device Co., Ltd.	28/12/2022	4343683	22928459.1	
4344759	Spin Master Ltd.	22/02/2021	4344759	23215351.0	
4344943	Ningbo Baby First Baby Products Co., Ltd.	12/07/2023	4344943	23185016.5	
4345002	HONDA MOTOR CO., LTD.	26/09/2023	4345002	23199792.5	
4345082	Samsung Electronics Co., Ltd.	28/02/2023	4345082	23159080.3	
4345283	Electricité de France	18/09/2023	4345283	23198027.7	French
4345379	Vaillant GmbH	25/09/2023	4345379	23199299.1	German
4346120	Deutsche Telekom AG	30/09/2022	4346120	22199160.7	
4346188	FUJITSU LIMITED	27/06/2023	4346188	23181725.5	
4346724	AssistMe GmbH	25/05/2022	4346724	22730483.9	
4346847	Olys Pharma Srl	03/06/2022	4346847	22732150.2	
4346968	ICU Medical International Limited	13/04/2022	4346968	22726152.6	
4347277	Continental Reifen Deutschland GmbH	29/11/2021	4347277	21824474.7	German
4347391	SAFRAN AIRCRAFT ENGINES	23/05/2022	4347391	22731748.4	French
4348235	INFICON, Inc.	31/05/2022	4348235	22816705.2	
4348327	Teknologian Tutkimuskeskus VTT OY	25/05/2022	4348327	22727361.2	
4348453	Microsoft Technology Licensing, LLC	18/05/2022	4348453	22728329.8	
4348618	NIR S.R.L.	19/05/2022	4348618	22728972.5	
4349369	Nalpropion Pharmaceuticals LLC	02/12/2011	4349369	23209711.3	
4350144	Volvo Construction Equipment AB	06/10/2022	4350144	22200010.1	
4350154	Power Packer North America, Inc.	03/10/2023	4350154	23201354.0	
4350155	Volkswagen Aktiengesellschaft	22/09/2023	4350155	23199143.1	German
4352332	Sahin, Cemil	07/06/2022	4352332	22740297.1	French
4353079	Qingdao Blue Granary Marine Fishery Development Co., Ltd. Qingdao Blue Granary Marine Engineering Technology Co., Ltd.	11/05/2023	4353079	23806792.0	
4353498	Bridgestone Europe NV/SA	11/10/2022	4353498	22200744.5	
4353545	TOYOTA JIDOSHA KABUSHIKI KAISHA	11/10/2023	4353545	23203087.4	
4353868	Westinghouse Electric Company Llc	08/08/2018	4353868	24155330.4	
4353898	Hamilton Sundstrand Corporation	11/10/2023	4353898	23203080.9	
4354046	Epta S.p.A.	05/10/2023	4354046	23201759.0	
4354145	Regeneron Pharmaceuticals, Inc.	20/01/2021	4354145	24156921.9	
4354225	Sony Group Corporation	13/01/2022	4354225	22815531.3	
4355141	Sävjo Plastic AB	07/04/2022	4355141	22721673.6	
4356224	Auki Labs Ltd	17/06/2022	4356224	22733851.4	

4357157	BRIDGESTONE CORPORATION	23/06/2022	4357157	22903765.0	
4357498	Murata Machinery, Ltd.	27/09/2023	4357498	23199978.0	
4357926	Lodestar Licensing Group LLC	07/03/2012	4357926	24162066.5	
4358104	SUMIDA CORPORATION	14/03/2014	4358104	24161633.3	
4359294	Roetz-Bikes B.V.	24/06/2022	4359294	22734076.7	
4359903	Advanced Micro Devices, Inc.	31/05/2022	4359903	22828986.4	
4360178	Device Solutions Inc	15/06/2022	4360178	22737409.7	
4360416	Technologie Holding GmbH	27/10/2023	4360416	23206474.1	German
4360561	GE Precision Healthcare LLC	13/10/2023	4360561	23203458.7	
4360770	SMS group GmbH	29/09/2023	4360770	23200699.9	German
4360896	BITO-Lagertechnik Bittmann GmbH	23/10/2023	4360896	23205248.0	German
4360955	KOITO MANUFACTURING CO., LTD.	16/06/2022	4360955	22828331.3	
4361085	Azzurro S.r.l.	24/10/2023	4361085	23205405.6	
4361455	Termax Company	18/10/2023	4361455	23204502.1	
4361588	Jochen Pohl	11/04/2023	4361588	23000056.4	German
4361702	SAKURA SEIKI CO., LTD.	12/07/2022	4361702	22886396.5	
4362306	SAKURA FINETEK JAPAN CO., LTD. MITSUBISHI ELECTRIC CORPORATION	23/06/2021	4362306	21947096.0	
4363241	Continental Reifen Deutschland GmbH	29/11/2021	4363241	21824473.9	German
4363242	Continental Reifen Deutschland GmbH	29/11/2021	4363242	21827186.4	German
4363243	Continental Reifen Deutschland GmbH	29/11/2021	4363243	21827188.0	German
4363353	Autostore Technology AS	24/06/2022	4363353	22735169.9	
4364175	EAN Elektroschaltanlagen GmbH	27/06/2022	4364175	22741575.9	German
4365023	Hiab AB	07/11/2022	4365023	22205872.9	
4365472	SMC Corporation	27/10/2023	4365472	23206422.0	
4366842	Morales, Nicola Fornasier, Marco	13/06/2022	4366842	22736391.8	
4366845	PUMA SE	06/07/2022	4366845	22744833.9	
4366980	Adient US LLC	05/07/2022	4366980	22743923.9	German
4367002	aiMotive Kft.	28/06/2022	4367002	22751805.7	
4367357	Somfy Activites SA	07/07/2022	4367357	22740888.7	French
4368327	Sodick Co., Ltd.	31/10/2023	4368327	23207030.0	
4368359	Bundesdruckerei GmbH	23/10/2023	4368359	23205150.8	German
4368397	ShinMaywa Industries, Ltd.	21/06/2022	4368397	22837470.8	
4368474	MITSUBISHI ELECTRIC CORPORATION	02/08/2021	4368474	21952690.2	
4368525	Tetra Laval Holdings & Finance S.A.	06/11/2023	4368525	23207844.4	
4368542	United Parcel Service Of America, Inc.	27/09/2023	4368542	23200078.6	
4368689	Afton Chemical Corporation	16/11/2020	4368689	24163903.8	
4368844	DewertOkin GmbH	07/11/2023	4368844	23208347.7	German
4369615	Samsung Electronics Co., Ltd.	10/11/2023	4369615	23209052.2	
4369691	Samsung Electronics Co., Ltd.	17/10/2022	4369691	22916332.4	
4369697	Xerox Corporation	20/10/2023	4369697	23205022.9	
4370313	PLASTIC OMNIUM NEW ENERGIES FRANCE	13/07/2022	4370313	22748359.1	
4370396	Robert Bosch GmbH	31/03/2022	4370396	22720584.6	German
4371624	NEWTECH WELLNESS CO., LTD.	14/03/2023	4371624	23161769.7	
4371672	LG Energy Solution, Ltd.	23/06/2023	4371672	23846817.7	
4371820	The Braun Corporation	02/12/2020	4371820	24169056.9	
4371955	Nitto Boseki Co., Ltd.	04/10/2022	4371955	22915455.4	
4371987	Gilead Sciences, Inc.	30/10/2019	4371987	24150846.4	
4372405	Infineon Technologies AG	15/11/2022	4372405	22207496.5	
4372955	Zhejiang Lera New Energy Power Technology Co., Ltd.	30/03/2023	4372955	23165692.7	
4373048	Huawei Technologies Co., Ltd.	22/01/2020	4373048	23220203.6	
4373121	Microsoft Technology Licensing, LLC	24/04/2020	4373121	24164293.3	
4373420	Choice Spine, LLC	19/07/2022	4373420	22846495.4	
4375016	BASSO INDUSTRY CORP.	21/11/2023	4375016	23211178.1	
4375038	Rohr, Inc.	13/11/2023	4375038	23209477.1	

4375153	Ajou University Industry-Academic Cooperation Foundation HYUNDAI MOTOR COMPANY Kia Corporation	21/11/2023	4375153	23211041.1	
4375185	Ratier-Figeac SAS	22/11/2022	4375185	22306716.6	
4375555	thyssenkrupp nucera AG & Co. KGaA	24/11/2022	4375555	22209348.6	
4375567	Hasco Vision Technology Co., Ltd.	30/12/2021	4375567	21969597.0	
4375572	Innovatherm Prof. Dr. Leisenberg GmbH & Co. KG	17/11/2023	4375572	23210593.2	German
4376059	ASYS Automatisierungssysteme GmbH	08/11/2023	4376059	23208661.1	German
4376641	Clextal	26/07/2022	4376641	22750842.1	French
4377094	SPGPrints Austria GmbH	29/07/2022	4377094	22761420.3	German
4377702	Elbit Systems EW And Sigint - Elisra Ltd.	28/07/2022	4377702	22852485.6	
4378390	Dexcom, Inc.	20/10/2016	4378390	24171872.5	
4378558	Proterial, Ltd.	21/09/2022	4378558	22872945.5	
4378704	Canon Kabushiki Kaisha	05/01/2021	4378704	24164745.2	
4378852	Heinlein Plastik-Technik GmbH	13/10/2023	4378852	23203525.3	German
4379188	RTX Corporation	27/11/2023	4379188	23212419.8	
4379434	Giesecke+Devrient Currency Technology GmbH	30/01/2020	4379434	24162323.0	German
4379458	Faurecia Clarion Electronics Europe	29/11/2022	4379458	22306755.4	
4379784	Imec VZW	30/11/2022	4379784	22210562.9	
4380708	Universal City Studios LLC	29/07/2022	4380708	22757778.0	
4381543	Snap Inc.	04/08/2022	4381543	22765358.1	
4381994	Decathlon	08/12/2023	4381994	23215339.5	French
4381995	Decathlon	08/12/2023	4381995	23215338.7	French
4382750	DAIKIN INDUSTRIES, LTD.	12/07/2022	4382750	22852796.6	
4383006	Inno Invent ApS	06/12/2023	4383006	23214755.3	
4383251	Samsung Electronics Co., Ltd.	13/10/2022	4383251	22887428.5	
4384685	ENELIFT LTD	11/08/2022	4384685	22765460.5	
4384975	Apple Inc.	20/07/2022	4384975	22856404.3	
4385264	QUALCOMM INCORPORATED	01/06/2022	4385264	22734463.7	
4385385	BISSELL Inc.	13/12/2023	4385385	23216479.8	
4385763	The Goodyear Tire & Rubber Company	08/12/2023	4385763	23215355.1	
4385767	The Goodyear Tire & Rubber Company	08/12/2023	4385767	23215332.0	
4386189	PRATT & WHITNEY CANADA CORP.	15/12/2023	4386189	23217233.8	
4386229	Honeywell International Inc.	27/11/2023	4386229	23212206.9	
4387643	U.S. NUTRACEUTICALS, INC., D/B/A VALENSA INTERNATIONAL	10/08/2022	4387643	22761930.1	
4388688	QUALCOMM Incorporated	18/08/2021	4388688	21772945.8	
4388837	Amazonen-Werke H. Dreyer SE & Co. KG	18/12/2023	4388837	23401044.5	German
4389037	Olympus Winter & Ibe GmbH	16/11/2023	4389037	23210439.8	
4389361	Andreas Stihl AG & Co. KG	19/12/2023	4389361	23218216.2	German
4389597	Airbus Operations GmbH Airbus Operations Limited	21/12/2022	4389597	22215336.3	
4389629	2in1 AG	12/03/2020	4389629	24175580.0	German
4389661	Combilift	01/12/2023	4389661	23213573.1	
4390114	Wobben Properties GmbH	23/12/2022	4390114	22216455.0	German
4390411	Winter Brothers AB	22/12/2022	4390411	22215751.3	
4390619	Samsung Electronics Co., Ltd.	29/09/2022	4390619	22876885.9	
4391471	Hitachi Energy Ltd	19/12/2022	4391471	22214525.2	
4392374	NOVAPHOS GYPSUM TECHNOLOGY LLC	25/08/2022	4392374	22777396.7	
4392731	Benavente, Jose A.	09/03/2023	4392731	23799334.0	
4392752	Bayer GmbH & Co KG SG-Engineering GmbH RESRG Automotive SE & Co. KG	07/07/2022	4392752	22741262.4	German
4394360	Commissariat à l'Energie Atomique et aux Energies Alternatives	26/12/2023	4394360	23220209.3	French
4394484	Commissariat à l'Energie Atomique et aux Energies Alternatives	28/12/2023	4394484	23220427.1	French

4395009	POLYTEC PLASTICS Germany GmbH & Co. KG	20/12/2023	4395009	23218392.1	German
4395371	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	30/09/2021	4395371	21958855.5	
4396040	TREVES PRODUCTS, SERVICES & INNOVATION	30/08/2022	4396040	22769722.4	French
4396063	VOLVO TRUCK CORPORATION	31/08/2021	4396063	21773006.8	
4396184	Jones, Paul	05/05/2022	4396184	22723730.2	
4396645	Snap Inc.	02/08/2022	4396645	22761733.9	
4397413	Contemporary Amperex Technology (Hong Kong) Limited	25/11/2022	4397413	22908814.1	
4398061	Deutsche Telekom AG	05/01/2023	4398061	23150488.7	
4398576	GE Video Compression, LLC	08/04/2011	4398576	24162722.3	
4398723	Amazonen-Werke H. Dreyer SE & Co. KG	29/08/2022	4398723	22769270.4	German
4400736	Eagle Industry Co., Ltd.	31/01/2020	4400736	24170925.2	
4400760	MAGNA STEYR Fahrzeugtechnik GmbH & Co KG	13/01/2023	4400760	23151491.0	German
4401574	Société des Produits Nestlé S.A.	12/09/2022	4401574	22782705.2	
4402074	Vimar S.p.A.	19/09/2022	4402074	22790027.1	
4402293	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	06/05/2022	4402293	22729049.1	
4403474	Goodrich Lighting Systems GmbH & Co. KG	23/01/2023	4403474	23152970.2	
4403732	King Slide Works Co., Ltd. King Slide Technology Co., Ltd.	07/07/2023	4403732	23184137.0	
4403871	MITSUBISHI ELECTRIC CORPORATION	23/01/2023	4403871	23305074.9	
4404813	Hydroflex Group GmbH	21/09/2022	4404813	22797025.8	German
4405280	Ocado Innovation Limited	20/09/2022	4405280	22793522.8	
4405557	Lampe Holding B.V.	21/09/2022	4405557	22793420.5	
4405712	QUALCOMM INCORPORATED	01/08/2022	4405712	22764971.2	
4406356	QUALCOMM INCORPORATED	09/08/2022	4406356	22764527.2	
4406783	Motherson Innovations Company Limited	24/01/2023	4406783	23153035.3	
4406804	VOLKSWAGEN AKTIENGESELLSCHAFT	17/01/2024	4406804	24152490.9	German
4406820	KTM AG	10/01/2024	4406820	24151082.5	German
4407013	Beckman Coulter, Inc.	14/04/2017	4407013	24167704.6	
4407293	Axiotek S.r.l.	04/01/2024	4407293	24150380.4	
4407471	VMware LLC	25/01/2024	4407471	24153943.6	
4407472	VMware LLC	25/01/2024	4407472	24153952.7	
4407963	Honor Device Co., Ltd.	20/04/2023	4407963	23825921.2	
4408291	Positrigo AG	22/09/2022	4408291	22785739.8	
4408627	Zimmer, Martin Zimmer, Günther	29/09/2022	4408627	22801692.9	German
4408946	BASF SE	20/09/2022	4408946	22769757.0	
4409128	Wärtsilä Finland Oy	29/09/2021	4409128	21789615.8	
4409605	GE-Hitachi Nuclear Energy Americas LLC	26/09/2022	4409605	22930137.9	
4409708	Siemens Mobility Limited	29/09/2022	4409708	22790544.5	
4409735	Valeo Power Technology (Nanjing) Co., Ltd	28/09/2022	4409735	22789839.2	
4409826	nChain Licensing AG	30/08/2022	4409826	22772817.7	
4409868	Qualcomm Incorporated	08/08/2022	4409868	22773570.1	
4410623	Robert Bosch GmbH	28/09/2022	4410623	22798185.9	
4410909	AGFA NV	31/01/2023	4410909	23154091.5	
4411334	Pratt & Whitney Canada Corp.	05/02/2024	4411334	24155740.4	
4411395	Commissariat à l'Energie Atomique et aux Energies Alternatives	31/01/2024	4411395	24155132.4	French
4411423	Shenzhen Everbest Machinery Industry Co., Ltd.	30/03/2023	4411423	23165552.3	
4411878	Samsung SDI Co., Ltd.	02/08/2023	4411878	23189166.4	

4412239	Nokia Solutions and Networks Oy	02/02/2024	4412239	24155618.2	
4412810	SAFRAN AIRCRAFT ENGINES	27/09/2022	4412810	22789970.5	French
4412823	Bridgestone Europe NV/SA	07/10/2022	4412823	22797850.9	
4412835	Memjet Technology Limited	02/11/2022	4412835	22813918.4	
4412885	Siemens Mobility Austria GmbH	12/12/2022	4412885	22830268.3	German
4412913	VKR Holding A/S	07/10/2022	4412913	22792766.2	
4413190	Essity Hygiene and Health Aktiebolag	06/10/2021	4413190	21791275.7	
4413222	Cadilek, Patrick Tischberger, Michael	06/10/2021	4413222	21794719.1	German
4413276	Voith Patent GmbH	07/09/2022	4413276	22773675.8	German
4413289	PLASTIC OMNIUM NEW ENERGIES FRANCE	06/10/2022	4413289	22782551.0	
4414184	Continental Reifen Deutschland GmbH	02/01/2024	4414184	24150024.8	German
4414409	MITSUBISHI GAS CHEMICAL COMPANY, INC.	03/10/2022	4414409	22878468.2	
4414727	LG Energy Solution, Ltd.	19/06/2023	4414727	23877415.2	
4414732	Everspin Technologies, Inc.	30/10/2018	4414732	24177583.2	
4414817	Honor Device Co., Ltd.	10/01/2023	4414817	23777589.5	
4415262	Samsung Electronics Co., Ltd.	16/01/2024	4415262	24152263.0	
4415629	Covidien LP	04/10/2022	4415629	22790066.9	
4416216	Syensqo Specialty Polymers Italy S.p.A.	06/10/2022	4416216	22801738.0	
4416479	Bayerische Motoren Werke Aktiengesellschaft	20/09/2022	4416479	22777982.4	German
4416835	Ampere SAS	13/10/2022	4416835	22801484.1	French
4417246	Pacesetter, Inc.	16/02/2024	4417246	24158012.5	
4417729	NIPPON STEEL CORPORATION	22/09/2022	4417729	22880744.2	
4417801	RTX Corporation	15/02/2024	4417801	24157898.8	
4417834	ContiTech Deutschland GmbH	14/12/2023	4417834	23216713.0	German
4417844	MAC Valves Inc.	25/01/2024	4417844	24153889.1	
4418103	Imagination Technologies Limited	13/02/2024	4418103	24157311.2	
4418733	Honor Device Co., Ltd.	20/12/2022	4418733	22920040.7	
4419206	Fundacio Institut de Bioenginyeria de Catalunya Fundación Privada Instituto De Salud Global Barcelona Universitat de Barcelona	21/10/2022	4419206	22808742.5	
4419574	BASF SE	17/10/2022	4419574	22805811.1	German
4419760	Marchesi S.r.l.	21/10/2022	4419760	22789940.8	
4419834	Jaguar Land Rover Limited	18/10/2022	4419834	22808636.9	
4420085	Mira Vision Holding GmbH	13/10/2022	4420085	22801792.7	German
4420611	CANON KABUSHIKI KAISHA	14/02/2024	4420611	24157521.6	
4420629	Lumenis Ltd	18/04/2019	4420629	24183902.6	
4421301	Rolls-Royce plc	22/01/2024	4421301	24153047.6	
4421638	Imagination Technologies Limited	02/02/2024	4421638	24155470.8	
4422996	KONE Corporation	29/10/2021	4422996	21802316.6	
4423039	BASF SE	24/10/2022	4423039	22809371.2	
4423161	Covestro Deutschland AG	25/10/2022	4423161	22809387.8	
4424141	Deere & Company	16/02/2024	4424141	24158041.4	
4424199	Bernhard Stumpp & Siegfried Baier, Gesellschaft für personenbezogene Schutzausrüstungen mbH	23/02/2024	4424199	24159448.0	German
4424260	Medtronic Ireland Manufacturing Unlimited Company	17/01/2024	4424260	24152394.3	
4424909	Voith Patent GmbH	03/03/2023	4424909	23159843.4	
4424976	Hamilton Sundstrand Corporation	01/03/2024	4424976	24160950.2	
4425083	Hamilton Sundstrand Corporation	28/02/2023	4425083	23461525.0	
4425820	Giesecke+Devrient ePayments GmbH	03/03/2023	4425820	23020104.8	
4426169	Gottlieb Binder GmbH & Co. KG	14/10/2022	4426169	22801490.8	German
4426253	POLITECHNIKA WARSZAWSKA	06/07/2023	4426253	23762576.9	
4426255	Essity Hygiene and Health Aktiebolag	05/11/2021	4426255	21809948.9	
4426465	MANN+HUMMEL GmbH	05/10/2022	4426465	22800629.2	German

4426536	Matthews International GmbH Matthews International Corporation	12/05/2022	4426536	22726258.1	German
4426684	Firmenich SA	02/11/2022	4426684	22813491.2	
4426805	Solvay Specialty Polymers USA, LLC	02/11/2022	4426805	22813476.3	
4427159	Mastercard International Incorporated	03/10/2022	4427159	22797567.9	
4427479	Nokia Technologies Oy	13/09/2022	4427479	22785708.3	
4427916	Subaru Corporation	19/02/2024	4427916	24158352.5	
4429615	ConvaTec Limited	16/03/2023	4429615	23713742.7	
4429812	CHEVRON PHILLIPS CHEMICAL COMPANY LP	08/11/2022	4429812	22826546.8	
4429813	CHEVRON PHILLIPS CHEMICAL COMPANY LP	08/11/2022	4429813	22826764.7	
4430953	Halloren Schokoladenfabrik AG	26/01/2024	4430953	24154167.1	German
4431385	PRATT & WHITNEY CANADA CORP.	18/03/2024	4431385	24164292.5	
4431762	CNH Industrial Italia S.p.A.	18/03/2024	4431762	24164302.2	
4431764	CNH Industrial Italia S.p.A.	18/03/2024	4431764	24164300.6	
4431793	Worthington Cylinders GmbH	16/03/2023	4431793	23162354.7	
4431867	confovis GmbH	08/03/2024	4431867	24162346.1	German
4432785	Teknoware Oy	16/03/2023	4432785	23162204.4	
4432962	Carl Zeiss Meditec AG	14/11/2022	4432962	22818251.5	German
4435439	STMicroelectronics International N.V.	19/03/2024	4435439	24164609.0	French
4436222	Volvo Car Corporation	21/03/2023	4436222	23163244.9	
4436229	Xiaomi EV Technology Co., Ltd.	10/07/2023	4436229	23184441.6	
4436625	Fresenius Medical Care Holdings, Inc.	10/11/2022	4436625	22829992.1	
4436644	Medec International BV	10/11/2022	4436644	22822281.6	
4436662	Novartis AG	21/11/2022	4436662	22817365.4	
4437189	GROUPE SAVE	09/11/2022	4437189	22814056.2	French
4437266	ENIVIBES S.r.l.	24/11/2022	4437266	22813759.2	
4438077	Medico Invest AG	31/03/2023	4438077	23166024.2	
4438137	DRAX Inc.	23/12/2022	4438137	24194304.2	
4438393	HONDA MOTOR CO., LTD.	29/03/2023	4438393	23164984.9	
4438426	NISSAN MOTOR CO., LTD.	26/11/2021	4438426	21964977.9	
4438886	Peintner, Hubert	05/03/2024	4438886	24161351.2	German
4439206	FUJIFILM Business Innovation Corp.	28/08/2023	4439206	23193633.7	
4439350	OMRON Corporation	30/03/2023	4439350	23165335.3	
4439483	Iceye Oy	31/03/2023	4439483	23165965.7	
4440804	HUECK Rheinische GmbH	24/11/2022	4440804	22822358.2	German
4440914	V.Z. Group Sagl	09/12/2021	4440914	21836233.3	
4440932	Airbus Atlantic	21/11/2022	4440932	22818772.0	French
4441041	Syngenta Crop Protection AG	25/11/2022	4441041	22822902.7	
4441281	Berry Global, Inc.	29/11/2022	4441281	22843516.0	
4441317	dormakaba Schweiz AG	02/12/2022	4441317	22829762.8	German
4441677	Motorola Solutions, Inc.	16/11/2022	4441677	22836363.6	
4441730	Commissariat à l'Energie Atomique et aux Energies Alternatives	21/11/2022	4441730	22818088.1	French
4442335	Canato, Massimo Binosi, Daniele Lorandi, Christian	10/03/2024	4442335	24162523.5	
4442578	Response Technologies, LLC	08/03/2024	4442578	24162317.2	
4442881	Carl Freudenberg KG	04/04/2023	4442881	23166484.8	German
4443128	Suzhou Nuclear Power Research Institute Co., Ltd. China General Nuclear Power Group CGN Power Co., Ltd.	02/03/2022	4443128	22918021.1	
4444100	Société des Produits Nestlé S.A.	09/12/2022	4444100	22835337.1	
4444102	H. Kjaerbye Invent Aps	08/12/2022	4444102	22835237.3	
4444651	MANITOU BF	02/12/2022	4444651	22835092.2	French
4444830	BASF SE	29/11/2022	4444830	22822987.8	
4444920	Tmt - Tapping Measuring Technology Sàrl	09/12/2021	4444920	21836420.6	German
4445078	Kanthal GmbH	05/12/2022	4445078	22830252.7	
4446265	Toppy S.r.l.	12/03/2024	4446265	24163050.8	

4447025	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	10/06/2021	4447025	24195150.8	
4447620	Heron Neutron Medical Corp.	30/05/2023	4447620	23175984.6	
4447744	PUMA SE	19/01/2023	4447744	23702204.1	
4447957	APHP (Assistance Publique - Hôpitaux de Paris) Institut National de la Santé et de la Recherche Médicale (INSERM) Université Paris Cité Fondation Imagine	15/12/2022	4447957	22839652.9	
4448045	Baxter International Inc. BAXTER HEALTHCARE SA	18/11/2022	4448045	22839587.7	
4448308	Continental Reifen Deutschland GmbH	25/10/2022	4448308	22800582.3	German
4448462	Saint-Gobain Sekurit France	13/12/2022	4448462	22836130.9	
4449135	Robert Bosch GmbH	24/10/2022	4449135	22809055.1	German
4450213	Hyundai Mobis Co., Ltd.	18/07/2023	4450213	23186190.7	
4451275	Tata Consultancy Services Limited	30/01/2024	4451275	24154637.3	
4451527	Tecnomatic S.p.A.	15/12/2023	4451527	23217281.7	
4451922	AUDI AG	18/11/2022	4451922	22818706.8	German
4452479	TotalEnergies OneTech	22/12/2022	4452479	22843322.3	
4452579	Erten, Ayhan	22/12/2022	4452579	22843770.3	German
4453696	META PLATFORMS TECHNOLOGIES, LLC	20/12/2022	4453696	22856893.7	
4454300	QUALCOMM INCORPORATED	04/11/2022	4454300	22835182.1	
4454856	Politechnika Rzeszowska im. Ignacego Lukaszewicza	19/10/2023	4454856	23204689.6	
4456008	Axis AB	25/04/2023	4456008	23169689.9	
4456680	Fuji Corporation	22/12/2021	4456680	21968906.4	
4456769	JURA ELEKTROAPPARATE AG	11/05/2023	4456769	23727478.2	German
4456838	Hollister Incorporated	22/12/2022	4456838	22854561.2	
4457017	SABIC Global Technologies B.V.	12/12/2022	4457017	22835647.3	
4457065	Technologies Avancees et Membranes Industrielles	26/12/2022	4457065	22850661.4	French
4457406	Lozneau, Boris	26/12/2022	4457406	22844186.1	French
4457545	Commissariat à l'Energie Atomique et aux Energies Alternatives	29/12/2022	4457545	22830284.0	French
4459075	Kangro, Jaak	04/12/2023	4459075	23214118.4	
4461857	Picanol	11/05/2023	4461857	23172788.4	
4461920	Sandvik Mining and Construction Oy	09/05/2023	4461920	23172251.3	
4462029	Miele & Cie. KG	07/05/2024	4462029	24174496.0	German
4463071	Koninklijke Philips N.V.	09/01/2023	4463071	23700619.2	
4463245	Universal City Studios LLC	11/01/2023	4463245	23705115.6	
4463510	Covestro Deutschland AG	02/01/2023	4463510	23700580.6	
4463637	EJOT SE & Co. KG	12/01/2023	4463637	23702531.7	German
4463878	SCHOTT AG	14/12/2022	4463878	22835429.6	German
4465623	Fujifilm Business Innovation Corp.	05/04/2024	4465623	24168813.4	
4465907	Clearstream Technologies Limited	17/01/2022	4465907	22701349.7	
4466045	Merxin Ltd	18/01/2023	4466045	23706438.1	
4466517	Fogale Nanotech	16/01/2023	4466517	23701010.3	French
4467360	Sumitomo Rubber Industries, Ltd. Sumitomo Rubber Industries, Ltd.	08/04/2024	4467360	24168877.9	
4467629	Consiglio Nazionale delle Ricerche	26/05/2023	4467629	23425026.4	
4467674	Gaona Aero Material Co. Ltd Sichuan Cisri-Gaona Forging Co. Ltd	10/01/2024	4467674	24151133.6	
4469409	Saint-Gobain Isover	24/01/2023	4469409	23706403.5	French
4470368	Cattle Eye Ltd	30/05/2023	4470368	23176219.6	
4470517	Foshan Dahao Medical Technology Co., Ltd.	15/06/2023	4470517	23179438.9	
4475102	SAGEMCOM ENERGY & TELECOM SAS	28/05/2024	4475102	24178644.1	French
4476399	Peikko Group Oy	07/02/2023	4476399	23706383.9	
4476634	Yangtze Memory Technologies Co., Ltd.	27/04/2023	4476634	23725568.2	

4477627	Euromatic S.r.l.	13/06/2024	4477627	24181887.1	
4478361	Sony Group Corporation	27/07/2011	4478361	24207545.5	
4481605	Dynatrace LLC	22/05/2024	4481605	24177306.8	
4481768	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	28/03/2024	4481768	24167488.6	German
4482355	Fidlock GmbH	09/04/2024	4482355	24718759.4	German
4483264	Microsoft Technology Licensing, LLC	12/04/2023	4483264	23720210.6	
4484224	Carman Enterprise Co., Ltd.	11/07/2023	4484224	23184794.8	
4484439	Academy of Military Medical Sciences	26/01/2024	4484439	24736298.1	
4484527	Afton Chemical Corporation	26/06/2024	4484527	24184626.0	
4487190	GEA Group AG	09/05/2024	4487190	24724273.8	
4489928	SMS Group GmbH	03/02/2023	4489928	23703560.5	German
4490257	Unilever Global IP Limited	08/03/2023	4490257	23709413.1	
4490380	Luxwall, Inc.	26/10/2023	4490380	23810259.4	
4490383	Luxwall, Inc.	26/10/2023	4490383	23813529.7	
4493772	PHYLEM STRUCTURES, SL	15/03/2023	4493772	23711723.9	
4493893	Vortex.IO	14/03/2023	4493893	23711055.6	French
4496552	Saes Getters S.p.A.	08/03/2024	4496552	24709420.4	
4497556	Uab Main Knives	25/07/2023	4497556	23187425.6	
4500099	REP IP AG	16/03/2023	4500099	23715229.3	German
4500565	Safran Electrical & Power	29/03/2023	4500565	23720647.9	French
4503525	DENSO CORPORATION	21/02/2023	4503525	23779046.4	
4504537	VOLVO TRUCK CORPORATION	06/04/2022	4504537	22721004.4	
4505409	Koninklijke Philips N.V.	24/03/2023	4505409	23713904.3	
4506828	Samsung Electronics Co., Ltd	30/07/2024	4506828	24191677.4	
4507194	Eff&Giemme S.a.s. di Michele Angelo Manassero	08/08/2024	4507194	24193511.3	
4511174	Epinovatech AB	18/04/2023	4511174	23720806.1	
4511178	B. Braun Melsungen AG	26/04/2024	4511178	24723051.9	German
4514238	Zatirukha, Volodymyr Anatoliyovych	04/11/2022	4514238	22857032.1	
4516178	EDM-System GmbH	29/08/2023	4516178	23194049.5	German
4518287	Samsung SDS Co., Ltd.	10/06/2024	4518287	24181092.8	
4519176	Philip Morris Products S.A.	24/01/2024	4519176	24702488.8	
4519612	Poweroptimal (Pty) Ltd	25/04/2023	4519612	23723798.7	
4522267	Brainlab AG	27/07/2023	4522267	23751278.5	
4525106	Aerostack GmbH	12/09/2024	4525106	24199897.0	German
4525368	Samsung SDS Co., Ltd.	03/07/2024	4525368	24186155.8	
4526499	Die & Form Engineering S.r.l.	13/05/2024	4526499	24731406.5	
4529809	L&P Property Management Company	03/10/2019	4529809	25157368.9	
4531774	Gabriel Morgado Serviços Médicos, Lda	07/06/2024	4531774	24739688.0	
4532003	Koninklijke Philips N.V.	17/05/2023	4532003	23726519.4	
4533196	International Business Machines Corporation	17/05/2023	4533196	23726404.9	
4533301	International Business Machines Corporation	25/05/2023	4533301	23730370.6	
4534231	Taiwan Mask Corporation	06/10/2023	4534231	23202120.4	
4535784	Axis AB	02/10/2023	4535784	23201253.4	
4536053	Yunjing Intelligence (Shenzhen) Co., Ltd. Yunjing Intelligence Innovation (Shenzhen) Co., Ltd.	27/07/2023	4536053	23765152.6	
4536085	Koninklijke Philips N.V.	09/06/2023	4536085	23730533.9	
4537135	CooperVision International Limited	30/05/2024	4537135	24731639.1	
4545720	Modulraum GmbH	03/08/2024	4545720	24192749.0	German
4546709	Deutsche Telekom AG Technische Universität Berlin	24/10/2023	4546709	23205428.8	
4547323	Okuvision GmbH	17/09/2024	4547323	24773374.4	German
4548060	AVL List GmbH	11/04/2024	4548060	24727628.0	German
4548887	Piezocryst Advanced Sensorics GmbH Ontex BV Ontex Group NV	30/10/2023	4548887	23206793.4	
4551316	Limenet S.r.l. Societa' Benefit	28/07/2023	4551316	23758715.9	
4562256	Wilhelm Layher Verwaltungs-GmbH	06/10/2023	4562256	23793993.9	German

4563247	Uhlmann Pac-Systeme GmbH & Co. KG	29/11/2023	4563247	23212984.1	German
4565141	Koninklijke Philips N.V.	25/07/2023	4565141	23744180.3	
4565949	Hawai.Tech	28/03/2024	4565949	24716340.5	
4567465	Axis AB	08/12/2023	4567465	23215141.5	
4568725	Koninklijke Philips N.V.	12/12/2023	4568725	23822007.3	
4570987	Elettromeccanica Industriale Lucchese S.r.l.	13/12/2023	4570987	23216255.2	
4572721	AssistMe GmbH	19/06/2024	4572721	24735933.4	
4577717	Luxwall, Inc.	22/11/2023	4577717	23821844.0	
4599138	Wilhelm Layher Verwaltungs-GmbH	13/11/2023	4599138	23813550.3	German

Withdrawn – Section 33(1)

S20230269	Int. Cl. (2025.01) G07D 9/00; A45C 1/00. TOLL PLAZA COIN AID. DERMOT FINN
20250133	Int. Cl. (2025.01) H04N 5/00; A61M 21/00; A61B 5/00; G06F 3/00. A DYNAMIC SENSORY ENVIRONMENT POD. DMC DESIGN LIMITED

Deemed to have been Withdrawn - Section 23(9)

S20240547	A Car Safety Light System. BUGLER, GERARD C
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Refused - Section 31(1)

S20230170	MULTI-PARAMETER OPTICAL FIBER SENSING INSTRUMENT AND METHOD BASED ON MULTI-CORE OPTICAL FIBER. WUHAN INSTITUTE OF EARTHQUAKE ENGINEERING CO., LTD
S20230237	Int. Cl. (2025.01) G06Q 20/00 . A method for electronic transactions. COWCUB LIMITED
20230242	A process and apparatus for an insulated Geothermal pile with header plate for heating and cooling buildings. GARRETT O'NEILL
S20230247	Int. Cl. (2025.01) A01G 13/00 . MULCHING FILM LAYING DEVICE FOR AGRICULTURAL CULTIVATION. GUIZHOU VOCATIONAL COLLEGE OF AGRICULTURE
S20230280	Int. Cl. (2025.01) B01J 27/00; B01J 20/00; C22B 60/00; C22B 7/00 . PHOTOCATALYTIC URANIUM CAPTURE TWO-DIMENSIONAL SHEET SEMICONDUCTOR AND ITS PREPARATION METHOD. HARBIN ENGINEERING UNIVERSITY
S20230427	Int. Cl. (2025.01) G06N 3/00; G16H 50/00 G01W 1/00 . A spatiotemporal deep learning model for forecasting the development of sudden epidemics modified by historical meteorological data. LANZHOU UNIVERSITY
S20230447	Int. Cl. (2025.01) G06F 30/00 . A VEHICLE SCANNING TECHNOLOGY FOR IDENTIFYING TRACK MODULUS BY USING A DUAL-BEAM MODEL. CHONGQING UNIVERSITY
S20230593	Modified Wi-Fi. CORMAC STRAIN
S20240254	CLOUD START RECOMMENDATION METHOD BASED ON FIRST-ORDER META-LEARNING AND MULTI-SUPERVISOR ASSOCIATION NETWORK. CHONGQING UNIVERSITY OF TECHNOLOGY
S20240371	A solar-assisted heat pump vacuum-coupled steam blanching Chrysanthemum drying device. CHUZHOU UNIVERSITY
S20240385	An array-type support auxiliary device for electrochemical machining of large-size, low-rigidity thin-walled parts. NANJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS
S20240408	METHOD FOR IMPROVING FORMATION PRESSURE PREDICTION ACCURACY BY OFFSHORE DRILLING. YANGTZE UNIVERSITY
S20240418	A mobile offshore rainwater collection and storage device. TIANJIN UNIVERSITY
S20240421	ANIMATION GENERATION METHOD OF PRINTING AND DYEING FABRIC SINGEING MACHINE. GUANGDONG POLYTECHNIC
S20240442	Improved Path Planning Method for Mobile Robots Based on RRT. GUANGXI UNIVERSITY
S20240466	AGRICULTURAL FRUIT PICKING ROBOT CONVENIENT TO ADJUST. GUANGZHOU COLLEGE OF TECHNOLOGY AND BUSINESS
S20240468	Prediction Method of Wheat Lodging Parameters Based on Multimodal Data and Ensemble Learning. HENAN AGRICULTURAL UNIVERSITY
S20240470	A method for restoring the performance of layered lithium-ion battery cathode materials. HUNAN NORMAL UNIVERSITY
S20240476	COOPERATIVE MULTI-TASK CONTROL METHOD FOR MULTI-ROBOT SYSTEM. GUANGZHOU COLLEGE OF TECHNOLOGY AND BUSINESS

S20240517	A mapping device and target data processing method for cardiac electrophysiology radiofrequency ablation surgery. THE FIRST HOSPITAL OF HUNAN UNIVERSITY OF CHINESE MEDICINE (CLINICAL RESEARCH INSTITUTE OF TRADITIONAL CHINESE MEDICINE)
S20240561	UNIT CIRCULATION TYPE PRESSURE INJECTION AND EXTRACTION INTEGRATED GAS EXTRACTION SYSTEM AND METHOD. NORTH CHINA INSTITUTE OF SCIENCE AND TECHNOLOGY; ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY; UNIVERSITY OF SCIENCE & TECHNOLOGY BEIJING; CHINA UNIVERSITY OF MINING & TECHNOLOGY-BEIJING; JIANGSU HENGYICHUANG INTELLIGENT TECHNOLOGY CO. LTD
S20240677	A METHOD AND A DEVICE FOR SELECTING LOGISTICS POINTS AND ROADS. GUANGDONG UNIVERSITY SCIENCE AND TECHNOLOGY

Applications Lapsed Through Non-Payment of Renewal Fees Section (35) 1

20210228	Passive pantry. LIAM WALSH
S20220212	Int. Cl. (2025.01) B60W 30/00 . An Intelligent Driving Method, Device and Storage Medium Based on Visual Inspection. ZHUHAI JUNCHI ZHILIAN TECHNOLOGY CO., LTD
S20220216	Int. Cl. (2025.01) C21C 1/00; C21C 5/00; C21C 7/00; C22C 33/00 . Smelting Method for Rare Earth Steel. INNER MONGOLIA UNIVERSITY OF TECHNOLOGY
S20230029	Strip Swiper. MARK HOGAN

Patents Lapsed Through Non-Payment of Renewal Fees

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

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.

- 2025033** BIOARCTIC AB, Warfvinges väg 35, SE-11251, Sweden
(08 September 2025)
Patent No: 2004688; IMPROVED PROTOFIBRIL SELECTIVE ANTIBODIES AND THE USE THEREOF
Product: Lecanemab
Market Authorisation: Ireland EU/1/24/1891, 15/04/2025
European Union EU/1/24/1891, 15/04/2025
- 2025034** AUTOLUS LIMITED, The Mediaworks 191 Wood Lane, London W12 7FP, United Kingdom
(08 September 2025)
Patent No: 3265490; CHIMERIC ANTIGEN RECEPTOR (CAR) COMPRISING A CD19-BINDING DOMAIN
Product: obecabtagene autoleucel in all forms protected by the basic patent
Market Authorisation: Ireland EU/1/25/1951, 18/07/2025
European Union EU/1/25/1951, 18/07/2025
- 2025035** GENFIT, 885, Avenue Eugène Avinée, 59120 Loos, France
(09 September 2025)
Patent No: 3435996; ELAFIBRANOR FOR USE IN THE TREATMENT OF PRIMARY BILIARY CHOLANGITIS
Product: The compound of International Nonproprietary Name (INN) elafibranor and pharmaceutically acceptable salts and esters thereof, for use in the treatment of Primary Biliary Cholangitis (PBC).
Market Authorisation: Ireland EU/1/24/1855, 23/09/2024
European Union EU/1/24/1855, 23/09/2024
- 2025036** DAIICHI SANKYO COMPANY, LIMITED, 3-5-1, Nihonbashi Honcho Chuo-ku, 103-8426 Tokyo, Japan. SAPPORO MEDICAL UNIVERSITY, 291-85, Minami 1-jo Nishi 17-chome Chuo-ku, 060-8556 Sapporo-shi, Hokkaido, Japan
(12 September 2025)
Patent No: 3088419; ANTI-TROP2 ANTIBODY-DRUG CONJUGATE
Product: datopotamab deruxtecan
Market Authorisation: Ireland EU/1/25/1915, 08/04/2025
European Union EU/1/25/1915, 08/04/2025
-

Supplementary Protection Certificates Granted

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

2021051 PFIZER IRELAND PHARMACEUTICALS, Operations Support Group,
Ringaskiddy Cork, Ireland
(15/09/2025)
Patent No: 3009146; IMMUNOGENIC COMPOSITION
Product: Neisseria meningitidis group A polysaccharide, Neisseria meningitidis
group C polysaccharide, Neisseria meningitidis group W-135 polysaccharide,
Neisseria meningitidis group Y polysaccharide, conjugated to tetanus toxoid
carrier protein
Market Authorisation: Ireland EU/1/12/767/001 to EU/1/12/767/007, 20/04/2012
European Union EU/1/12/767/001 to EU/1/12/767/007, 20/04/2012
Certificate Expires on: 24/04/2027

Supplementary Protection Certificates Withdrawn

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.

2025005 UNIQUE BIOPHARMA B.V., Paasheuvelweg 25a, 1105 BP
Amsterdam, The Netherlands
((21/01/2025))
Patent No: 3581650; FACTOR IX POLYPEPTIDE MUTANT, ITS
USES AND A METHOD FOR ITS PRODUCTION
Product: fidanacogene elaparvovec
Market Authorisation: Ireland EU/1/24/1838, 24/07/2024
European Union EU/1/24/1838, 24/07/2024

Supplementary Protection Certificates Rejected

2018010 Merck Serono S.A., Centre Industriel, 1267 Coinsins, Vaud, Switzerland
(09/02/2018)
Patent No: 1827461; CLADRIBINE REGIMEN FOR TREATING MULTIPLE
SCLEROSIS
Product: Cladribine
Market Authorisation: Ireland EU/1/17/1212, 24/08/2017
Application rejected under Article 10(2) of Regulation (EC) No.
469/2009

Grant of Extension of Duration of a Supplementary Protection Certificate

The name and address of the grantee follows the number allocated to the granted Supplementary Protection Certificate (SPC). The date in brackets following the name and address is the date of grant of the extension of the certificate. The number of the basic patent and the title of the invention are followed by the name of the product for which the certificate was granted. Market authorisation references in respect of the product concerned are also shown, followed by the new date of expiry of the certificate.

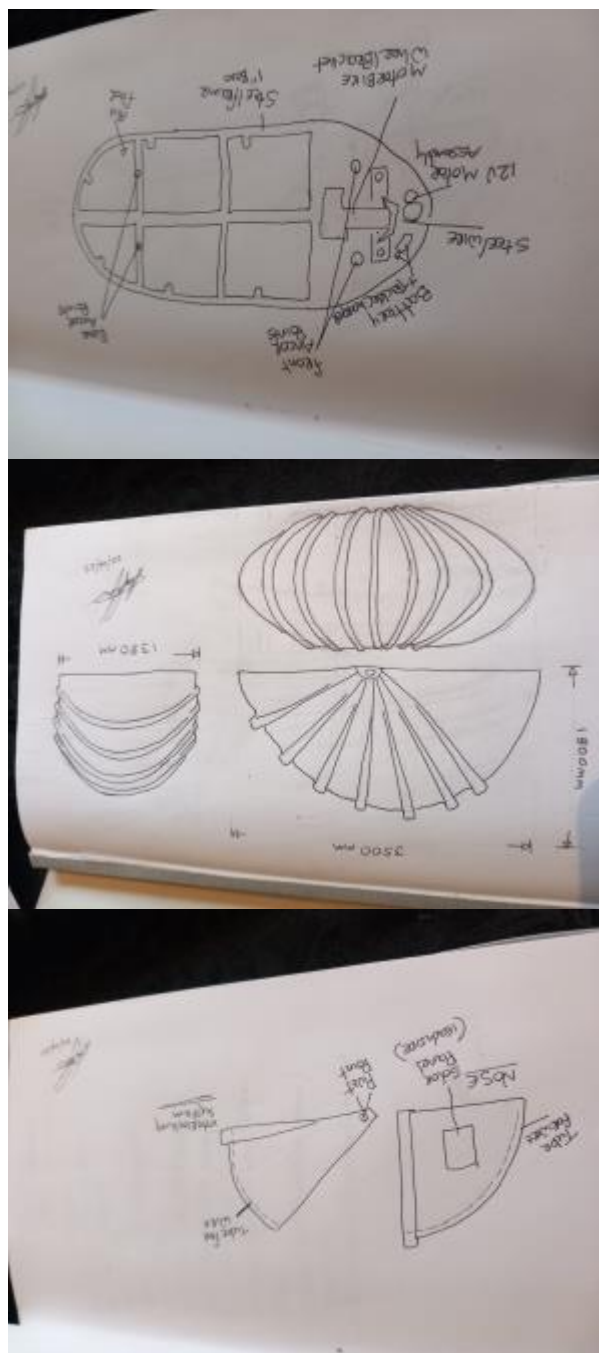
2021051 PFIZER IRELAND PHARMACEUTICALS, Operations Support Group
Ringaskiddy, Cork, Ireland
12/06/2023
Patent No: 3009146; IMMUNOGENIC COMPOSITION
Product: Neisseria meningitidis group A polysaccharide, Neisseria meningitidis
group C polysaccharide, Neisseria meningitidis group W-135 polysaccharide,
Neisseria meningitidis group Y polysaccharide, conjugated to tetanus toxoid
carrier protein
Market Authorisation: Ireland EU/1/12/767/001 to EU/1/12/767/007, 20/04/2012
European Union EU/1/12/767/001 to EU/1/12/767/007, 20/04/2012
Expiry Date of Extension of SPC: 24/10/2027

Designs Registered Under The Industrial Designs Act, 2001

23701 08.10 Michael Faggetter, 42 Roger Casement Avenue, Tralee V92 Y27F, Ireland.
Address for service is c/o Michael Faggetter
42 Roger Casement Avenue, Tralee V92 Y27F, Ireland.

Date of Registration: 22 June 2025.

Motorbike storage unit



23702

02.02

Robert Murray, Castleboy, Kilchreest, Loughrea H62K378, Ireland.
Address for service is c/o Robert Murray
Castleboy, Kilchreest, Loughrea H62K378, Ireland.

Date of Registration: 07 July 2025.

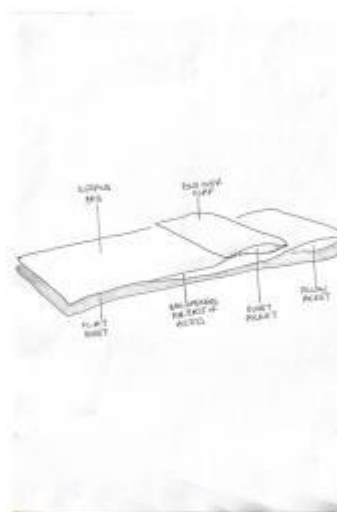
A climb-in, wearable fleece blanket in the shape of a hurley. With county/ club colours as the grip colours on the handle. It has an opening to remove the feet to walk. It also has label/ headings such as 'Champions 2025' as well as the club or county name.



23703 06.13 Lorraine Cowman, 3A Racecourse Mansions, Sha Tin Racecourse, Sha Tin, THE HONG KONG SPECIAL ADMINISTRATIVE REGION OF THE PEOPLE'S REPUBLIC OF CHINA.
Address for service is c/o Lorraine Cowman
Kilcarrig, Bagenalstown, Co. Carlow, Ireland.

Date of Registration: 22 April 2025.

The Glowguards Slumber Set design consists of a flat sheet and sleeping sack (designed to including a pillow pocket, duvet pocket and fold over flap to ensure snug fit).



23704 11-01 MEGAN MANNING, 24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co. Laois, R93 V9V6, Ireland.
Address for service is c/o MEGAN MANNING
24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co. Laois, R93 V9V6, Ireland.

Date of Registration: 07 May 2025.

Grateful Charm



23705 11-01 MEGAN MANNING, 24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co. Laois, R93 V9V6, Ireland.
Address for service is c/o MEGAN MANNING
24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co. Laois, R93 V9V6, Ireland.

Date of Registration: 07 May 2025.

DNA Charm



23706 11-01 MEGAN MANNING, 24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co. Laois, R93 V9V6, Ireland.
Address for service is c/o MEGAN MANNING
24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co. Laois, R93 V9V6, Ireland.

Date of Registration: 07 May 2025.

Abundance charm



23707 11-01 MEGAN MANNING, 24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co.Laois, R93 V9V6, Ireland.
Address for service is c/o MEGAN MANNING
24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co.Laois, R93 V9V6, Ireland.

Date of Registration: 07 May 2025.

Flower charm



23708 11-01 MEGAN MANNING, 24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co.Laois, R93 V9V6, Ireland.
Address for service is c/o MEGAN MANNING
24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co.Laois, R93 V9V6, Ireland.

Date of Registration: 07 May 2025.

Star charm



23709 11-01 MEGAN MANNING, 24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co. Laois, R93 V9V6, Ireland.
Address for service is c/o MEGAN MANNING
24 Olive Crescent, Fruithill Manor, Graiguecullen, Carlow, Co. Laois, R93 V9V6, Ireland.

Date of Registration: 07 May 2025.

Moon Charm



Renewal of Designs Registered under the Industrial Designs Act, 2001

Registrations renewed for 5th period of 5 Years

Design number	Class
20876	08-06

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

Design number	Class
20924	20-03, 20-99
21877	25-01, 25-02, 25-03
23013	10.06

Iris um Oifig Maoine Intleachtúla na hÉireann
Journal of the Intellectual Property Office of Ireland
Cuid II
Trádmharcanna

No. 2552**Wednesday, 8 October, 2025**

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.

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.



273079 01 May 2025

Class 30. Coffee.

Noelle McCarthy, 144/145 Leeson Street Upper, Dublin D04C6k5, Ireland. Address for service is c/o Noelle McCarthy, 144/145 Leeson Street Upper, Dublin D04C6k5, Ireland.



273080 01 March 2025

Class 35. Provision of an online marketplace for buyers and sellers of second-hand and eco-friendly goods.

Class 36. Financial Transactions.

Ben Ritchie, 193 Sarsfield Road, Ballyfermot Dublin D10XV70, Ireland. Address for service is c/o Ben Ritchie, 193 Sarsfield Road, Ballyfermot D10XV70, Ireland.

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

Mionlach Mead

273081 28 March 2025

Class 30. Honey.

Class 33. Mead [hydromel]; Hydromel [mead].

Aran Grealish, 28 Carraig Bán, Menlo, Galway H91YP8W, Ireland. Address for service is c/o Aran John Grealish, 28 Carraig ban, Co Galway H91YP8W, Ireland.

STRANGMAN'S

273082 31 July 2023

Class 32. Beers; Porter; Ales; India pale ales (IPAs); Lagers; Stouts; Non-alcoholic beverages; Mineral and aerated waters.

Sean Watchorn, Rathellan, Leighlinbridge, Co. Carlow, Ireland. Address for service is c/o MacLachlan and Donaldson, Unit 10, 4075 Kingswood Rd, Citywest Business Campus, Citywest D24 C56E, Ireland.

Gxrl Up

273083 06 June 2025

Class 41. Organisation of entertainment events; Organisation of educational events; Education.

Cordell Boateng, 7 Fana Glas Ballybane, Co.Galway H91 Y8KX, Ireland. Address for service is c/o Cordell Boateng, 7 Fana Glas Ballybane, Co.Galway H91 Y8KX, Ireland.



273084 07 June 2025

Class 41. Special event planning; Entertainment services; Concert booking services; Entertainment booking

services; Organising of festivals; Organisation of festivals; Arranging of festivals for entertainment purposes; Festivals (Organisation of -) for entertainment purposes; Arranging of festivals for cultural purposes.

Jack O'Sullivan, 2 Campion Ave, Abbey Fort, Kinsale Cork P17Dk09, Ireland
Mighty Okafor, The Lawns, Barrack St, Kinsale Cork P17A279, Ireland.
Address for service is c/o Jack O'Sullivan, Mighty Okafor, 2 Campion Ave, Abbey Fort, Kinsale Cork P17Dk09, Ireland.

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

HiBugo

273085 07 June 2025

Class 31. Pet food; Pet rabbit food; Pet food for birds; Pet food for dogs; Foodstuffs for pet animals; Pet foods in the form of chews.

DONGZHENG LI, Apartment 3, South Terrace, Ballintemple, Cork T12H022, Ireland. Address for service is c/o DONGZHENG LI, Apartment 3, South Terrace, Ballintemple, Cork T12H022, Ireland.

BREC

273086 06 June 2025

Class 36. Financial services.

Blackstone TM L.L.C., 345 Park Avenue, New York, New York 10154, United States of America.
Address for service is c/o FRKelly, Waterways House, Grand Canal Quay, Dublin D02 PD39, Ireland.

SonicSean

273087 06 June 2025

Class 9. Temperature measuring apparatus for household use; Headphones; Music headphones; Wireless headphones; Stereo headphones; Headphone amplifiers; Cases for headphones; Headphones for smartphones; In-ear headphones; Noise cancelling headphones; Headphones for smart phones; Ear pads for headphones; Adapter cables for headphones; Two-way plugs for headphones; Headphone-microphone combinations; Headphone consoles; Personal headphones for sound transmitting apparatuses; Personal headphones for use with sound transmitting systems; Audio equipment; Audio conferencing equipment; Wearable audio equipment; Audiovisual apparatus; Car audio apparatus; Wireless speakers;

Pairable wireless speakers;
Wireless audio speakers;
Wireless wall-mounted speakers; Record players;
Phonograph record players;
Gramophone record players;
Speakers for record players;
Combination video players and recorders; Speed regulators for record players;
Tone arms for record players; Needles for record players; Smart glasses;
Smartwatches; Wearable digital electronic communication devices;
Wearable digital electronic devices capable of providing access to the Internet;
Earphones for smartphones;
Bone conduction earphones;
Earphones for cellular telephones; Earphones for consumer video game apparatus; Earphones for handheld electronic game apparatus; Earphones for use with mobile telecommunication devices;
Portable media players;
Wearable portable media players; Speakers for portable media players;
Covers for portable media players; Cases for portable media players; Protective cases for portable media players; Protective covers for portable media players;
Smartbands; Smartphones;
Smartglasses; Smart locks;
Smart speakers; Smart rings;
Smart watches; Smart cards;
Smart meters; Smart TVs;
Wearable smartphones;
Foldable smartphones; Smart home hubs; Waterproof smartphone cases; Smart card readers; Smartphone battery chargers; Smartphone screen magnifiers;
Smartphone camera lenses;
Headsets for smartphones;
Cameras for smartphones;
Gimbals for smartphones;
Programs for smartphones;

Smart door locks; Holders adapted for mobile telephones and smartphones;
Phones, mobile phones, smartphones, and accessories therefor; Holders adapted for cell phones and smartphones;
Downloadable smartphone software for heart rate monitoring; Smartphones in the shape of a watch; Selfie ring lights for smartphones;
Wireless charging pads for smartphones.

Class 11. Water purifying apparatus for household use; Electric drying apparatus for household purposes; Electric space cooling apparatus for household purposes; Electric space cooling apparatus [for household purposes];
Electric space heating apparatus for household use; Electric space cooling apparatus for household use; Electric bath-water purifying apparatus for household purposes; Electric fans;
Wearable electric fans; Portable electric fans;
Electric fans for household purposes; Electric fans for personal use; Electric fans [for household purposes];
Electric fans for household use; Heating apparatus for use in the home; Garment steamers; Facial steamers;
Electric vegetable steamers; Food steamers, electric; Steamers (Electric -) for cooking; Fabric steamers; Wallpaper steamers;
Steamers (Fabric -); Towel steamers; Electric food steamers; Smart light bulbs;
Cookers; Cooktops; Cooker hoods; Egg cookers; Microwave cookers; Crepe cookers; Electric cookers;
Gas cookers; Rice cookers; Cooking installations; Cooking rings; Cooking ovens; Apparatus or installations for cooking;

Apparatus for cooking out of doors; Barbecue cooking apparatus; Combined cooking stoves and gas containers; Appliances for cooking foodstuffs; Cooking, heating, cooling and preservation equipment, for food and beverages; Cooking appliances; Cooking apparatus and installations.

Sonicsean Ltd, 34 Hyde Park, Dalkey, Dblin A96E2H1, Ireland. Address for service is c/o Sonicsean Ltd, c/o SHAOBO WEN, 34 Hyde Park, Dalkey, Dblin A96 E2H1, Ireland.



273088 04 June 2025

Class 5. Animal vitamins; animal feed additives; animal feed supplements; medicated animal feed; micro-nutrient animal feed; nutritional drinks for animals; food supplements for animals; nutritional supplements for animals; dietary supplements for animals; nutritional supplements for animal foodstuffs; pharmaceuticals; animal vitamins; probiotic animal feed.

Class 31. Animal feed; animal feedstuffs; animal feed

preparations; animal foodstuffs.

Mervue Laboratories Limited, Unit 9 Watergrasshill Business Park, Cork T56HH98, Ireland. Address for service is c/o FRKelly, Waterways House, Grand Canal Quay, Dublin D02 PD39, Ireland.



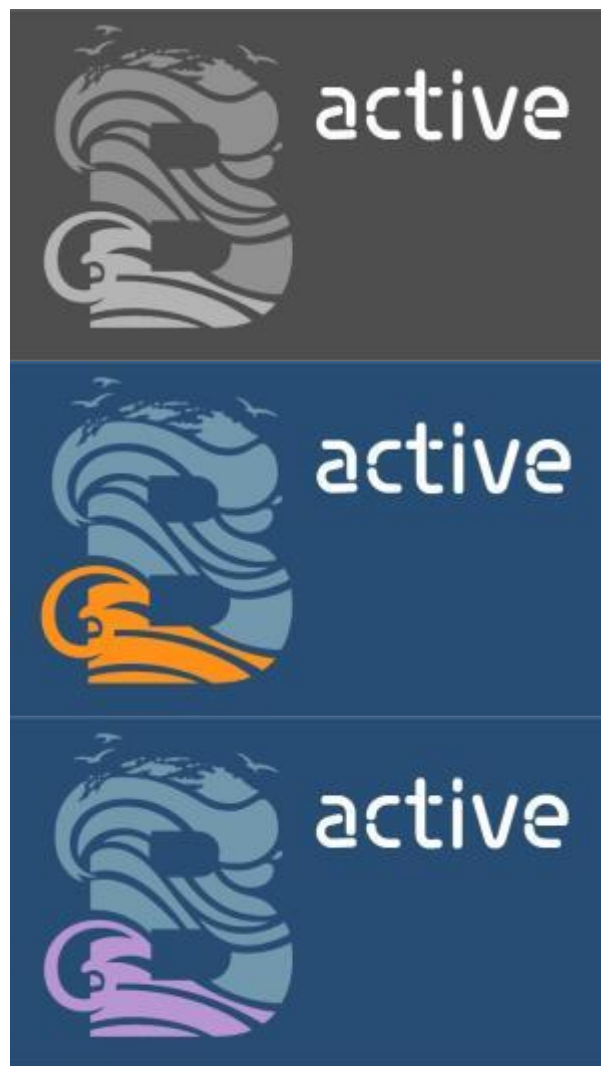
Application is for a Series of 2 Trade Marks.

273089 09 June 2025

Class 3. Toiletries; Body cleaning and beauty care preparations; Baby care products (Non-medicated -); Balms, other than for medical purposes; Cosmetics; Cosmetics for personal use; Cosmetics in the form of oils; Organic cosmetics; Soaps and gels; Bath and shower preparations; Beauty balm creams; Beauty serums; Body and facial butters; Body and facial oils; Body and facial creams [cosmetics]; Body washes; Body cleansing foams; Face

and body masks; Foot scrubs; Hair and body wash; Hand cleansers; Herbal extracts for cosmetic purposes; Shower and bath foam; Shower and bath gel; Skin care preparations; Essential oils and aromatic extracts; Aromatherapy oil; Aromatherapy preparations; Blended essential oils; Essential oils for personal use; Natural oils for cosmetic purposes; Aromatherapy lotions; Aromatherapy creams; Body fragrances; Fragrances; Conditioning balsam; Hair preparations and treatments; Hair conditioners; Hair serums; Shampoos; Exfoliating creams; Exfoliating body scrub; Exfoliating scrubs for the feet; Moisturiser; Skin moisturizer; Facial moisturizers; Body moisturisers; Anti-ageing moisturiser; Body mist; Facial toner; Facial scrubs [cosmetic]; Body deodorants; Deodorants and antiperspirants; Deodorants for body care.

Lynn Shead, The Beach House, Janeville, Tallow, Co. Waterford P51 R97F, Ireland. Address for service is c/o Mary White, The Merrion Buildings, 308, Dublin 2 D02 HX98, Ireland.



Application is for a Series of 3 Trade Marks.

273090 21 May 2025

Class 32. Beers; non-alcoholic beverages; mineral and aerated waters; fruit beverages and fruit juices; alcohol-free beverages or juices; malt beverages; carbonated beverages; sports drinks; drinking water containing vitamins and electrolytes; energy drinks enhanced with vitamins and electrolytes; sports drinks enhanced with vitamins and electrolytes; protein-enriched sports beverages; soft drinks; ice fruit beverages; frozen carbonated beverages; whey beverages; isotonic

beverages and energy drinks; preparations for making beverages and sports drinks; fruit drinks; non-alcoholic fruit flavored squashes; vegetable drinks; carbonated drinks; non-alcoholic malt beverages; slush drinks being smoothies; whey beverages and sports drinks; water; flavoured drinking waters; fruit flavored squashes and energy drinks containing vitamins and electrolytes; smoothies; concentrated preparations for beverages; energy drinks; flavored drinking waters and sports drinks containing vitamins & electrolytes; syrups and concentrates for making fruit drinks; squashes being fruit flavored non-alcoholic iced drinks; frozen fruit based iced drinks; slush drinks, namely, frozen fruit based beverages, frozen energy drinks, frozen herbal drinks; smoothies, pastilles and powders for making effervescing non-alcoholic beverages; beverage preparations, namely, effervescing tablets and pastilles used in the preparation of fruit and sports drinks; squashes being non-alcoholic fruit flavored iced drinks; slush drinks being frozen fruit based beverages; isotonic beverages; isotonic beverages containing vitamins and electrolytes; energy drinks and smoothies; preparations for making non-alcoholic fruit drinks; fruit-flavored iced drinks being squashes; energy drinks and sports drinks; sports drinks, namely, recovery drinks; soft drinks, namely, sodas, tonic water, ginger beer, bitter lemon, lemonade, non-alcoholic soda beverages flavoured with tea and sports

drinks; non-alcoholic cocktails; non-alcoholic fruit cocktails; non-alcoholic cocktail bases; non-alcoholic cocktail mixes.

Britvic Ireland Limited, 25/28 Northwall Quay, Dublin 1, Ireland. Address for service is c/o Stobbs Ireland Limited, Suite 308, The Merrion Buildings, 18-20 Merrion Street, Dublin D02 XH98, Ireland.



273091 10 June 2025

Class 43. Restaurants; Restaurant services; Coffee shop services; Coffee shops; Hospitality services [food and drink].

Sweet O'Clock Limited T/A SOFRA CAFE & GRILL, 18 Liffey Upper Street, Dublin 1 D01 C640, Ireland. Address for service is c/o Michael Lucey, PurdyLucey Intellectual Property, 23 Ely Place, Dublin 2 D02 N285, Ireland.

TRINITY WEST

273092 23 November 2021

Class 9. Credit cards, debit cards, and payment cards being encoded or capable of being encoded; computer programmes; computer software and computer systems; CD-ROMs; DVD-ROMs; computer software applications; computer software applications downloadable; computer software to enable searching of data; printed matter and publications in electronic form (downloadable) provided on-line from a database or facilities provided on the internet (including websites) or other computer networks; pre-recorded compact discs or optical discs; pre-recorded tapes including video tapes and cassettes and audio cassettes; sound recordings; electronic memory cards and electronic cards; computer games and computer games software; containers for contact lenses; magnets; pocket calculators; luminous signs; smart cards, encoded cards and encrypted cards; spectacles cases and frames; sunglasses; parts, fittings and accessories for all the aforesaid; but not including apparatus and computer programs for production on video, television and computer entertainment and information; apparatus and computer programs for digital video switching, chroma-keying, special

effects, generating graphics and animations, audio mixing, character generation, still image storing, timeline editing and computer networking; none of the aforesaid services relating to commodities trading or risk management solutions.

Class 16. Paper, cardboard and goods made from these materials not included in other Classes; printed matter, printed publications; albums; almanacs; bags of paper or plastic for packaging; wrapping paper; binders, binding strips and bookbinding material; book-ends, booklets, book markers and books; brochures; boxes of cardboard or paper; envelopes or wrappers of cardboard or paper; diaries and calendars; cardboard articles; cards and playing cards; catalogues and charts; chromolithographs; coasters of paper or cardboard; covers; paper cutters and knives; drawing instruments and materials; engravings and prints; erasing products and rulers; etchings; files and folders; paper flags; printed forms and pamphlets; periodicals and magazines; manuals and newsletters; advertising and promotional materials; webpages downloaded from the Internet in the form of printed matter; non-textile labels; lithographic works of art and lithographs; fountain pens, pens, pencils, pencil sharpeners, pencil and pen holders and writing materials; graphic prints and reproductions; paper weights; tickets; notebooks and pads; scrap-books; office requisites other than furniture; packing paper; pictures; instructional and teaching material other than

- apparatus; paper placemats, cloths and napkins; postcards and posters; signs of paper or cardboard; stencils, stickers and transfers; photographs and photo engravings; stationery; but not including printed matter, publications, instructional and teaching material relating to computers and computer programs.
- Class 21. Tea cosies.
- Class 25. Articles of clothing included in Class 25; headgear, footwear and hosiery; pyjamas, dressing gowns and bathrobes; sweatshirts, t-shirts, polo shirts, fleeces, bodywarmers; rugby shirts, track suits, blouses, jackets, jumpers; braces; gloves and mittens; neck ties; scarves and shawls; socks and stockings.
- Class 26. Lace, embroidery, badges and buttons; rosettes, haberdashery; ribbons (haberdashery) and braid; hair bands, hair slides, hair ornaments and hair pins; belt clasps; tea cosies; pin cushions; hat ornaments not of precious metal; heat adhesive patches for decoration of textile articles; fasteners and edgings for clothing; brooches and buckles.
- Class 28. Games (other than ordinary playing cards); toys and playthings; party novelty hats; shin guards; gloves for games; balloons; balls; sporting articles (other than clothing); playing balls; footballs; teddy bears; decorations for Christmas trees; Christmas crackers; synthetic Christmas trees and stands; cups for dice; darts; dice; dolls and dolls' clothes; dolls' beds; dolls' houses and rooms; tables for indoor football; golf bags and gloves; jokes and novelties; spinning tops; kites; knee guards and protective padding; marbles; marionettes and puppets; skis; slides; skateboards; skittles; sleighs; masks; mobiles; rattles; roller skates; body building apparatus.
- Class 35. Business services; business planning services; business incubation services; the provision of co-working facilities; the provision of co-working facilities equipped with private offices, office equipment, mailroom, printing centres, receptionist, kitchen, meeting rooms, telecommunications equipment and other office amenities all for business purposes to emerging, start-up and existing companies; incubation services, namely, providing work space to emerging, start-up and existing companies; providing offices and office space; providing shared office venues with conference facilities; publishing services; publication of publicity texts; advertising services; rental of advertising space; business consultancy and information; organisation of exhibitions, events and conferences (for commercial and advertising purposes); marketing services; marketing and market analysis, research and studies; data processing and database services (for business); business research and studies; economic forecasting; document reproduction and secretarial services; business information services all provided on-line from a computer database or the Internet; compilation of advertisements for use as web pages on the Internet;

	provision of space on websites for advertising; compilation of information on all the aforesaid services available via the Internet or the world wide web; database, on-line and Internet consultancy, advisory and information services; consultancy, advisory and information services relating to all the aforesaid services.		workshops and symposia; teaching and practical training; theatre productions; information relating to sporting, entertainment and cultural activities, education, instruction and training provided on-line from a computer database or from facilities provided on the Internet and other similar information networks; organisation, production and presentation of on-line training and education provided on-line from a computer database or from facilities provided on the Internet and other similar information networks; translation services: advisory, consultancy and information services relating to the aforesaid.
Class 36.	Provision of housing accommodation, residency for students and rental of property, rent of offices and rent of apartments; rental of commercial space; none of the aforesaid services relating to commodities trading or risk management solutions.		
Class 38.	Telecommunications; interactive database information services; providing access to computer databases and to on-line computer services.	Class 42.	Rental of temporary accommodation and accommodation reservations; provision of food and drink; hotel, restaurant, cafe, and catering services; providing facilities for exhibitions; licensing of intellectual property; lithographic printing; computer programming and computer software design; computer and computer software rental; research and development services; translation and printing services; writing, development, maintenance, updating and design of computer software; information provided on-line from a computer database or the Internet; creating and maintaining websites and hosting the websites of others, leasing access time to computer databases and to on-line computer services; advice and information relating to the aforesaid services.
Class 41.	Education; providing of training; entertainment; sporting and cultural activities; providing space for entertainment, sporting and cultural events; arrangement, conducting and organisation of exhibitions, events and conferences; educational services and information; educational examination; entertainment services and information; instruction and training services; presentation of live performances; providing museum facilities; provision of information on and access to sports facilities; providing cultural facilities and educational facilities; organisation of competitions; providing sports facilities; providing recreation and cultural facilities and information; arranging and conducting of seminars,		

- Class 43. Providing accommodation; the provision of food and drink; restaurant services; café services; rental of temporary accommodation and accommodation reservations; provision of food and drink; hotel, restaurant, cafe, and catering services; providing facilities for exhibitions.
- Class 45. Licensing of intellectual property; intellectual property consultancy.

THE PROVOST, FELLOWS, FOUNDATION SCHOLARS, AND THE OTHER MEMBERS OF BOARD OF THE COLLEGE OF THE HOLY AND UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN, College Green, Dublin 2, 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 mark is proceeding with the consent of the Proprietors of International Trademark 0820645 and European Trademarks 015702624, 010520245 and 018007153

TRINITY SOUTH

273093 23 November 2021

- Class 9. Credit cards, debit cards, and payment cards being encoded or capable of being encoded; computer programmes; computer software and computer systems; CD-ROMs; DVD-ROMs; computer software applications; computer software applications downloadable;

computer software to enable searching of data; printed matter and publications in electronic form (downloadable) provided on-line from a database or facilities provided on the internet (including websites) or other computer networks; pre-recorded compact discs or optical discs; pre-recorded tapes including video tapes and cassettes and audio cassettes; sound recordings; electronic memory cards and electronic cards; computer games and computer games software; containers for contact lenses; magnets; pocket calculators; luminous signs; smart cards, encoded cards and encrypted cards; spectacles cases and frames; sunglasses; parts, fittings and accessories for all the aforesaid; but not including apparatus and computer programs for production on video, television and computer entertainment and information; apparatus and computer programs for digital video switching, chroma-keying, special effects, generating graphics and animations, audio mixing, character generation, still image storing, timeline editing and computer networking; none of the aforesaid services relating to commodities trading or risk management solutions.

- Class 16. Paper, cardboard and goods made from these materials not included in other Classes; printed matter, printed publications; albums; almanacs; bags of paper or plastic for packaging; wrapping paper; binders, binding strips and bookbinding material; book-ends, booklets, book markers and books; brochures; boxes of cardboard or paper;

	envelopes or wrappers of cardboard or paper; diaries and calendars; cardboard articles; cards and playing cards; catalogues and charts; chromolithographs; coasters of paper or cardboard; covers; paper cutters and knives; drawing instruments and materials; engravings and prints; erasing products and rulers; etchings; files and folders; paper flags; printed forms and pamphlets; periodicals and magazines; manuals and newsletters; advertising and promotional materials; webpages downloaded from the Internet in the form of printed matter; non-textile labels; lithographic works of art and lithographs; fountain pens, pens, pencils, pencil sharpeners, pencil and pen holders and writing materials; graphic prints and reproductions; paper weights; tickets; notebooks and pads; scrap-books; office requisites other than furniture; packing paper; pictures; instructional and teaching material other than apparatus; paper placemats, cloths and napkins; postcards and posters; signs of paper or cardboard; stencils, stickers and transfers; photographs and photo engravings; stationery; but not including printed matter, publications, instructional and teaching material relating to computers and computer programs.	
Class 21.	Tea cosies.	
Class 25.	Articles of clothing included in Class 25; headgear, footwear and hosiery; pyjamas, dressing gowns and bathrobes; sweatshirts, t-shirts, polo shirts, fleeces, bodywarmers; rugby shirts, track suits, blouses, jackets, jumpers; braces; gloves and	mittens; neck ties; scarves and shawls; socks and stockings. Class 26. Lace, embroidery, badges and buttons; rosettes, haberdashery; ribbons (haberdashery) and braid; hair bands, hair slides, hair ornaments and hair pins; belt clasps; tea cosies; pin cushions; hat ornaments not of precious metal; heat adhesive patches for decoration of textile articles; fasteners and edgings for clothing; brooches and buckles. Class 28. Games (other than ordinary playing cards); toys and playthings; party novelty hats; shin guards; gloves for games; balloons; balls; sporting articles (other than clothing); playing balls; footballs; teddy bears; decorations for Christmas trees; Christmas crackers; synthetic Christmas trees and stands; cups for dice; darts; dice; dolls and dolls' clothes; dolls' beds; dolls' houses and rooms; tables for indoor football; golf bags and gloves; jokes and novelties; spinning tops; kites; knee guards and protective padding; marbles; marionettes and puppets; skis; slides; skateboards; skittles; sleighs; masks; mobiles; rattles; roller skates; body building apparatus. Class 35. Business services; business planning services; business incubation services; the provision of co-working facilities; the provision of co-working facilities equipped with private offices, office equipment, mailroom, printing centres, receptionist, kitchen, meeting rooms, telecommunications equipment and other office amenities all for business

- purposes to emerging, start-up and existing companies; incubation services, namely, providing work space to emerging, start-up and existing companies; providing offices and office space; providing shared office venues with conference facilities; publishing services; publication of publicity texts; advertising services; rental of advertising space; business consultancy and information; organisation of exhibitions, events and conferences (for commercial and advertising purposes); marketing services; marketing and market analysis, research and studies; data processing and database services (for business); business research and studies; economic forecasting; document reproduction and secretarial services; business information services all provided on-line from a computer database or the Internet; compilation of advertisements for use as web pages on the Internet; provision of space on websites for advertising; compilation of information on all the aforesaid services available via the Internet or the world wide web; database, on-line and Internet consultancy, advisory and information services; consultancy, advisory and information services relating to all the aforesaid services.
- Class 36. Provision of housing accommodation, including for students; rental of property; rental of offices; rental of apartments; rental of commercial premises; none of the aforesaid services relating to commodities trading or risk management solutions.
- Class 38. Telecommunications; transmission of interactive database information via telecommunications networks providing access to computer databases and to on-line computer services; leasing access time to computer databases and to on-line computer services
- Class 41. Education; providing of training; entertainment; sporting and cultural activities; provision of facilities for entertainment, sporting and cultural events; arranging, conducting and organisation of exhibitions, events and conferences; educational services and information; educational examination; entertainment services and information; instruction and training services; presentation of live performances; providing museum facilities; provision of information on and access to sports facilities; providing cultural facilities and educational facilities; organisation of competitions; providing sports facilities; providing recreation and cultural facilities and information; arranging and conducting of seminars, workshops and symposia; teaching and practical training; theatre productions; information relating to sporting, entertainment and cultural activities, education, instruction and training provided on-line from a computer database or from facilities provided on the Internet and other similar information networks; organisation, production and presentation of on-line training and education provided on-line from a computer database or from facilities provided on the Internet and other similar

- information networks;
translation services;
publishing services;
advisory, consultancy and
information services relating
to the aforesaid.
- Class 42. Computer programming and
computer software design;
computer and computer
software rental; research and
development services;
translation and printing
services; writing,
development, maintenance,
updating and design of
computer software;
information provided on-line
from a computer database or
the Internet; creating and
maintaining websites and
hosting the websites of
others, leasing access time to
computer databases and to
on-line computer services;
advice and information
relating to the aforesaid
services; providing
laboratory facilities for
research and development;
providing laboratory
facilities for research and
developments in the field of
engineering, computer
science, natural sciences and
material science; providing
shared laboratory space for
research and development in
the field of engineering,
computer science, natural
sciences and material
science; none of the
aforesaid services relating to
commodities trading or risk
management solutions.
- Class 43. Providing accommodation;
the provision of food and
drink; restaurant services;
café services; rental of
temporary accommodation
and accommodation
reservations; provision of
food and drink; hotel,
restaurant, café, and catering
services; providing facilities
for exhibitions.

- Class 45. Licensing of intellectual
property; intellectual
property consultancy.

THE PROVOST, FELLOWS, FOUNDATION
SCHOLARS, AND THE OTHER MEMBERS OF
BOARD OF THE COLLEGE OF THE HOLY AND
UNDIVIDED TRINITY OF QUEEN ELIZABETH
NEAR DUBLIN, College Green, Dublin 2, 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 mark is proceeding with the consent of the
Proprietors of International Trademark 0820645 and
European Trademarks 015702624, 010520245 and
018007153.

TRINITY NORTH

273094 23 November 2021

- Class 9. Credit cards, debit cards, and
payment cards being encoded
or capable of being encoded;
computer programmes;
computer software and
computer systems; CD-roms;
DVD-Roms; computer
software applications;
computer software
applications downloadable;
computer software to enable
searching of data; printed
matter and publications in
electronic form
(downloadable) provided on-
line from a database or
facilities provided on the
internet (including websites)
or other computer networks;
pre-recorded compact discs
or optical discs; pre-recorded
tapes including video tapes

	and cassettes and audio cassettes; sound recordings; electronic memory cards and electronic cards; computer games and computer games software; containers for contact lenses; magnets; pocket calculators; luminous signs; smart cards, encoded cards and encrypted cards; spectacles cases and frames; sunglasses; parts, fittings and accessories for all the aforesaid; but not including apparatus and computer programs for production on video, television and computer entertainment and information; apparatus and computer programs for digital video switching, chroma-keying, special effects, generating graphics and animations, audio mixing, character generation, still image storing, timeline editing and computer networking none of the aforesaid services relating to commodities trading or risk management solutions.	folders; paper flags; printed forms and pamphlets; periodicals and magazines; manuals and newsletters; advertising and promotional materials; webpages downloaded from the Internet in the form of printed matter; non-textile labels; lithographic works of art and lithographs; fountain pens, pens, pencils, pencil sharpeners, pencil and pen holders and writing materials; graphic prints and reproductions; paper weights; tickets; notebooks and pads; scrap-books; office requisites other than furniture; packing paper; pictures; instructional and teaching material other than apparatus; paper placemats, cloths and napkins; postcards and posters; signs of paper or cardboard; stencils, stickers and transfers; photographs and photo engravings; stationery; but not including printed matter, publications, instructional and teaching material relating to computers and computer programs.
Class 16.	Paper, cardboard and goods made from these materials not included in other Classes; printed matter, printed publications; albums; almanacs; bags of paper or plastic for packaging; wrapping paper; binders, binding strips and bookbinding material; book-ends, booklets, book markers and books; brochures; boxes of cardboard or paper; envelopes or wrappers of cardboard or paper; diaries and calendars; cardboard articles; cards and playing cards; catalogues and charts; chromolithographs; coasters of paper or cardboard; covers; paper cutters and knives; drawing instruments and materials; engravings and prints; erasing products and rulers; etchings; files and	Class 21. Tea cosies.
		Class 25. Articles of clothing included in Class 25; headgear, footwear and hosiery; pyjamas, dressing gowns and bathrobes; sweatshirts, t-shirts, polo shirts, fleeces, bodywarmers; rugby shirts, track suits, blouses, jackets, jumpers; braces; gloves and mittens; neck ties; scarves and shawls; socks and stockings.
		Class 26. Lace, embroidery, badges for wear, not of metal or precious metals and buttons; rosettes, haberdashery; ribbons (haberdashery) and braid; hair bands, hair slides, hair ornaments and hair pins; belt clasps; pin cushions; hat

	ornaments not of precious metal; heat adhesive patches for decoration of textile articles; fasteners and edgings for clothing; brooches and buckles.		
Class 28.	Games (other than ordinary playing cards); toys and playthings; party novelty hats; shin guards; gloves for games; balloons; balls; sporting articles (other than clothing); playing balls; footballs; teddy bears; decorations for Christmas trees; Christmas crackers; synthetic Christmas trees and stands; cups for dice; darts; dice; dolls and dolls' clothes: dolls' beds; dolls' houses and rooms; tables for indoor football; golf bags and gloves; jokes and novelties; spinning tops; kites; knee guards and protective padding; marbles; marionettes and puppets; skis; slides; skateboards; skittles; sleighs; masks; mobiles; rattles; roller skates; body building apparatus.		advertising services; rental of advertising space; business consultancy and information; organisation of exhibitions, events and conferences (for commercial and advertising purposes); marketing services; marketing and market analysis, research and studies; data processing and database services (for business); business research and studies; economic forecasting; document reproduction and secretarial services; business information services all provided on-line from a computer database or the Internet; compilation of advertisements for use as web pages on the Internet; provision of space on websites for advertising; compilation of information on all the aforesaid services available via the Internet or the world wide web; database, on-line and Internet consultancy, advisory and information services; consultancy, advisory and information services relating to all the aforesaid services; none of the aforesaid services relating to commodities trading or risk management solutions.
Class 35.	Business services; business planning services; business incubation services; the provision of co-working facilities; the provision of co-working facilities equipped with private offices, office equipment, mailroom, printing centres, receptionist, kitchen, meeting rooms, telecommunications equipment and other office amenities all for business purposes to emerging, start-up and existing companies; incubation services, namely, providing work space to emerging, start-up and existing companies; providing offices and office space; providing shared office venues with conference facilities; publishing services; publication of publicity texts;	Class 36.	Provision of housing accommodation, including for students; rental of property; rental of offices; rental of apartments; rental of commercial premises; none of the aforesaid services relating to commodities trading or risk management solutions.
		Class 38.	Telecommunications; transmission of interactive database information via telecommunications networks providing access to computer databases and to on-line computer services; leasing access time to

computer databases and to on-line computer services.

Class 41. Education; providing of training; entertainment; sporting and cultural activities; provision of facilities for entertainment, sporting and cultural events; arranging, conducting and organisation of exhibitions, events and conferences; educational services and information; educational examination; entertainment services and information; instruction and training services; presentation of live performances; providing museum facilities; provision of information on and access to sports facilities; providing cultural facilities and educational facilities; organisation of competitions; providing sports facilities; providing recreation and cultural facilities and information; arranging and conducting of seminars, workshops and symposia; teaching and practical training; theatre productions; information relating to sporting, entertainment and cultural activities, education, instruction and training provided on-line from a computer database or from facilities provided on the Internet and other similar information networks; organisation, production and presentation of on-line training and education provided on-line from a computer database or from facilities provided on the Internet and other similar information networks; translation services; publishing services; advisory, consultancy and information services relating to the aforesaid.

Class 42. Computer programming and computer software design; computer and computer software rental; research and development services; translation and printing services; writing, development, maintenance, updating and design of computer software; information provided on-line from a computer database or the Internet; creating and maintaining websites and hosting the websites of others, leasing access time to computer databases and to on-line computer services; advice and information relating to the aforesaid services; providing laboratory facilities for research and development; providing laboratory facilities for research and developments in the field of engineering, computer science, natural sciences and material science; providing shared laboratory space for research and development in the field of engineering, computer science, natural sciences and material science; none of the aforesaid services relating to commodities trading or risk management solutions.

Class 43. Providing accommodation; the provision of food and drink; restaurant services; café services; rental of temporary accommodation and accommodation reservations; provision of food and drink; hotel, restaurant, café, and catering services; providing facilities for exhibitions.

Class 45. Licensing of intellectual property; intellectual property consultancy.

THE PROVOST, FELLOWS, FOUNDATION SCHOLARS, AND THE OTHER MEMBERS OF

BOARD OF THE COLLEGE OF THE HOLY AND UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN, College Green, Dublin 2, 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 mark is proceeding with the consent of the Proprietors of International Trademark 0820645 and European Trademarks 015702624, 010520245 and 018007153.

James Louis

273095 13 May 2025

Class 11. Bathroom installations for sanitary purposes; Bathroom basins [parts of sanitary installations]; Sanitary and bathroom installations and plumbing fixtures.

Class 42. Bathroom design services.

Clive Buckley, 10 Portersgate Grove, Clonsilla, Dublin D15HPA4, Ireland. Address for service is c/o Finian Finn, 5 Lower Hatch Street, Dublin d02y500, Ireland.

Ningoi

273096 10 June 2025

Class 9. Security software; Downloadable computer security software; Software for network and device security.

Class 42. Data security services; Computer security consultancy; Computer security services for protection against illegal network access; Computer security system monitoring services; Computer security threat analysis for protecting data; Consultancy in the field of computer security; Consultancy in the field of data security; Consultancy in the field of security software; Internet security consultancy; IT security, protection and restoration; Maintenance of computer software relating to computer security and prevention of computer risks; Monitoring of computer systems for security purposes; Professional consultancy relating to computer security; Provision of computer security risk management programs; Provision of security services for computer networks, computer access and computerised transactions; Research relating to security; Programming of Internet security programs; Computer forensics; Digital forensic investigations in the field of computer crimes.

IT Security People Ltd, Skehanagh, Clarecastle, Clare V95 C8K1, Ireland. Address for service is c/o IT Security People Ltd, c/o Edel Mee, Skehanagh, Clarecastle, Co. Clare V95 C8K1, Ireland.

AuraLuxe

273097 06 June 2025

- Class 3. Cosmetic nail preparations; nail polish; UV-curable nail gels; soak-off gel polish; builder gels; fiber base gels; rubber base gels; top coats; base coats; cuticle oils; nail primers; nail dehydrators; nail cleansers; cosmetic creams and lotions for hand and nail care.
- Class 21. Nail art brushes; dotting tools for nail design; nail brushes; cosmetic applicators; nail tip applicators.
- Class 41. Educational services relating to beauty therapy and nail care; provision of beauty training courses; online tutorials and training for cosmetic treatments; instructional courses in professional nail techniques; publication of digital educational materials for beauty professionals.

Alexis Courtney, Ballycurraginny, Killeagh Cork p36xh39, Ireland. Address for service is c/o Alexis Courtney, Ballycurraginny, Killeagh, Cork P36Xh39, Ireland.



273098 10 June 2025

- Class 9. Security software; Software for network and device security; Downloadable computer security software.
- Class 42. Provision of computer security risk management programs; Updating of computer software relating to computer security and prevention of computer risks; Data security services; Computer security consultancy; Professional consultancy relating to computer security; Consultancy in the field of computer security; Computer security services for protection against illegal network access; Computer security system monitoring services; Computer security threat analysis for protecting data; Consultancy in the field of data security; Consultancy in the field of security software; Internet security consultancy; IT security, protection and restoration; Maintenance of computer software relating to computer security and prevention of

computer risks; Monitoring of computer systems for security purposes; Provision of security services for computer networks, computer access and computerised transactions; Research relating to security; Programming of Internet security programs; Computer forensics; Digital forensic investigations in the field of computer crimes.

IT Security People Ltd, Skehanagh, Clarecastle, Co. Clare V95 C8K1, Ireland. Address for service is c/o IT Security People Ltd, c/o Edel Mee, Skehanagh, Clarecastle, Co. Clare V95 C8K1, Ireland.



273099 29 April 2025

Class 33. Whiskey [whisky].

JJ Fox Limited, 119 Grafton Street, Dublin, Dublin 2 D02E620, Ireland. Address for service is c/o Eileen O'Gorman, 29 Anglesea Street, DUBLIN 2 D02 Y884, Ireland.

The application for registration is proceeding with the consent of the proprietors of Registered European Union Trade Mark No. 018664264.

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



273100 05 May 2025

- Class 3. Skincare wipes; wipes pre-impregnated with personal cleansing and/or cosmetic preparations; disposable baby and toddler wipes pre-impregnated with personal cleansing and/or cosmetic preparations; baby wipes; wipes incorporating cleaning preparations; deodorant and refreshing wipes.
- Class 5. Tissues and wipes impregnated with pharmaceutical lotions and creams.
- Class 16. Cellulose wipes; paper wipes; paper tissues; tissue paper; toilet tissue; facial tissues; tissues of paper; packaging materials; packaging bags of plastic; plastic bags for packaging; packaging bags of paper; pouches of plastic for packaging; cardboard boxes; boxes of paper; packaging cartons of card; packaging boxes of card; disposable napkins; napkins of paper; paper bibs.

Fintan Kelly, Old Road Monasterboice, Drogheda A92XD70, Ireland. Address for service is c/o Fintan Kelly, Old Road Monasterboice, Drogheda A92XD70, Ireland.

Little Gem Private Tours of Ireland

273101 27 May 2025

Class 39. Arranging tours; Organising tours; Operating tours; Arranging of tours; Organization of tours; Organisation of tours; Arranging travel tours; Provision of tours; Conducting sightseeing tours; Sightseeing tours (Conducting -); Tours (Arranging of -); Arrangement of tours; Operating of tours; Organization of sightseeing tours; Arranging travel tours as a bonus program for credit cards customers; Planning and arranging of sightseeing tours and day trips; Arranging of excursions, day trips and sightseeing tours; Arranging and booking of excursions and sightseeing tours; Arranging and booking of city sightseeing tours; Arranging and conducting of tours and sightseeing; Providing vehicles for tours and excursions; Arranging of transportation for travel tours; Arranging of city sight-seeing tours; Booking of holiday travel and tours; Conducting sightseeing tours for others; Arranging of tours

by bus; Provision of sightseeing tours [transport]; Arranging and booking of tours; Transport services for sightseeing tours; Services for the arranging of tours; Booking agency services for sightseeing tours; Booking and reservation services for tours; Arranging and booking of sightseeing tours; Booking of sightseeing tours through agencies; Arrangement of sightseeing tours; Sightseeing tours (Arranging of -); Reservation services for tours; Tours (Arranging of travel -); Services for arranging tours; Organisation of sightseeing tours; Arranging of travel tours; Arranging of sightseeing tours; Organization of travel tours; Organisation of travel tours; Arranging of tours by coach.

Class 41. Conducting guided tours; Conducting guided tours of cultural sites for educational purposes; Conducting guided tours of caves for educational purposes; Organisation of automobile rallies, tours and racing events; Conducting of tours for training purposes; Organisation of tours for training purposes; Arranging of tours for training purposes; Arranging of guided educational tours; Organisation of guided educational tours; Conducting of guided educational tours; Providing online virtual guided tours; Conducting guided climbing tours.

Little Gem Private Tours of Ireland, 29 Tibbradden Grove, Greenpark, WALKINSTOWN d12fpy9, Ireland. Address for service is c/o Little Gem Private Tours of Ireland, c/o Robert McGrane, 29 Tibbradden Grove, Greenpark, WALKINSTOWN, Ireland.



273102 26 May 2025

- Class 35. Retail and online retail services relating to sustainable and eco-friendly goods namely, outdoor apparel, natural cosmetics, homewares and food.
- Class 41. Educational services relating to sustainability, rewilding, biodiversity, and nature restoration; Providing facilities for recreational activities; Conducting workshops, guided walks, and cultural activities; all the aforesaid focus on environmental awareness.
- Class 43. Provision of temporary eco-accommodation namely, glamping, cabins, treehouses, full house rentals and holiday retreats; hospitality services with an emphasis on sustainability and environmental responsibility.

Fernwood Eco Ltd, Killymongaun, Clifden H71 XY80, Ireland. Address for service is c/o Fernwood Eco Ltd, C/o Simon Ashe, Killymongaun, Clifden H71 XY80, Ireland.



273103 27 May 2025

- Class 30. Bagels; Baguettes; Buns; Bread buns; Toast; Cakes; Cookies; Pastries; Pies; Chocolate confectionery; Bread rolls; Fresh bread; Bread; Tarts; Scones.

DOREEN'S BAKERY LIMITED, Unit 9 Westside Centre, Cork T12 W308, Ireland. Address for service is c/o Trama Legal s.r.o., Bottova 2A, 811 09 Bratislava, Slovakia.



273104 02 April 2025

Class 5. Vitamin supplements;
Mineral supplements;
Nutritional supplements;
Probiotic supplements;
Prebiotic supplements;
Protein supplements; Food
supplements; Herbal
supplements; Dietary
supplement drinks; Zinc
supplement lozenges;
Vitamin supplement patches;
Dietary supplements;
Calcium supplements;
Protein supplement shakes;
Zinc dietary supplements;
Dietary food supplements;
Mineral nutritional
supplements; Mineral food
supplements.

Aaron Nugent, 5 Marine View, Athlone Westmeath
n37f890, Ireland. Address for service is c/o Aaron
Nugent, 5 Marine View, Athlone Westmeath
n37f890, Ireland.

CHINCHY

273105 09 June 2025

Class 3. Hair lotions; shampoos; hair
conditioners; cleaning
preparations; aromatics
[essential oils]; hair dyes;
hair waving preparations;
cosmetics; hair spray; Air
fragrancing preparations;
shaving soap; cleansing milk
for toilet purposes; essential
oils; after-shave lotions;
cosmetics for children;
cosmetic preparations for
baths; body wash; shampoos
for animals [non-medicated
grooming preparations];
adhesives for affixing false
hair; collagen preparations
for cosmetic purposes.

GUANGZHOU CHINCHY COSMETICS CO.,
LTD., Room 1616, No.395 Jianpeng Road, Helong
Street, Baiyun District, Guangzhou, China. Address
for service is c/o Murgitroyd & Company, 2nd Floor,
57 Adelaide Road, Dublin 2, DO2 Y3C6, Ireland.



273106 04 June 2025

Class 21. Beverage glassware; Painted glassware; Crystal [glassware]; Glassware for household purposes; Porcelain; Porcelain coasters; Porcelain mugs; Decorative porcelain ware.

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

AQUACRON

273107 12 June 2025

Class 2. Water-soluble industrial paints; Coating compositions in the nature of paint and powder for industrial applications; Anticorrosive

coatings [paints] and anti-rust coatings.

PPG INDUSTRIES OHIO, INC., 3800 West 143rd Street, Cleveland, Ohio 44111, United States of America. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.



273108 02 June 2025

Class 41. Photography; Photography instruction.

Daniel Augusto Fabiano, Flat 1, 51 Leinster Road, Dublin D06R851, Ireland. Address for service is c/o Daniel Augusto Fabiano, 10 Elgin Heights, Bray, Co. Wicklow A98PW52, Ireland.

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

Resolution Intelligence

273109 18 April 2025

Class 41. Behavioural Analysis;
Psychological Consultations.

William Corless, 13 Carriglea View, Firhouse,
Dublin D24XYC3, Ireland. Address for service is c/o
William Corless, 13 Carriglea View, Firhouse,
Dublin D24XYC3, Ireland.

Outlearn Everything

273110 10 June 2025

Class 41. Education services, namely,
the provision of online
courses, training programs,
workshops, and self-paced
learning across a wide range
of subjects; provision of
digital educational content
via an online platform;
organisation of online
educational challenges and
assessments; educational
consultancy and instructional
design services.

Pembroke International College, 47 Belmont Park,
Cork T12Y3V7, Ireland. Address for service is c/o
Pembroke International College, 47 Belmont Park,
Cork T12Y3V7, Ireland.

MUM TALKS
SUPPORT · INSPIRE · EMPOWER

273111 06 June 2025

Class 16. Events programmes.

Kara Heriot, 20 Cranfield Place, Dublin 4 D04X673,
Ireland. Address for service is c/o Kara Heriot, 20
Cranfield Place, Dublin 4 D04X673, Ireland.

SMIRNOFF SOUND NATION

273112 11 June 2025

Class 33. Alcoholic beverages (except
beers).

Class 41. Entertainment; provision of
entertainment information;
planning or arrangement of
showing musical
performances, music
concerts and festivals;
arranging, conducting and
organization of events,
namely musical
performances, music
concerts and festivals and
other musical and cultural
performances, events and
activities; presentation of
musical performance;
providing on-line electronic
publications in the field of
music, not downloadable;
providing on-line music, not
downloadable; entertainment

services, being the provision of music, sound or images by broadcast, by cable, by telecommunications lines, by online means and by means of the Internet and the world wide web.

Diageo North America, Inc., Three World Trade Center, 175 Greenwich Street, New York New York 10007, Ireland. Address for service is c/o William Fry LLP, 2 Grand Canal Square, Dublin 2 D02 A342, Ireland.



Again.

273113 28 May 2025

Class 3. Cosmetics.

Karen Reilly, 311 Kimmage Road Lower, Dublin D6WFX47, Ireland. Address for service is c/o Karen Reilly, 311 Kimmage Road Lower, Dublin D6WFX47, Ireland.

273114 15 May 2025

Class 9. Mobile phones; Mobile phone covers; Mobile phone speakers; Mobile phone chargers; Mobile phone cases; Mobile phone ring holders; Mobile phone ring stands; Mobile phone battery chargers; Mobile phone screen protectors; Cases for mobile phones; Batteries for mobile phones; Chargers for mobile phones; Phones, mobile phones, smartphones, and accessories therefor; Mobile phone connectors for vehicles; Wireless headsets for mobile phones; Protective cases for mobile phones; Leather cases for mobile phones; Flip covers for mobile phones.

Class 42. Troubleshooting in the nature of diagnosing problems with consumer electronics; Unlocking of mobile phones.

Lei Hou, 57 Balreask Manor, Navan, Co. Meath C15D7Y4, Ireland. Address for service is c/o Lei Hou, c/o Business Green Line, Unit 7a Bridgecourt Office Park, Walkinstown Avenue, Dublin 12, Ireland.



273115 27 March 2025

Class 44. Mental health services; Medical services; Assessment, diagnostic and aftercare services relating to Attention Deficit Hyperactivity Disorder, Autism Spectrum Disorder, dyslexia, dyspraxia, anorexia nervosa, bulimia, eating disorders, mental health disorders, learning difficulties, neurodevelopmental disorders, mood disorders, anxiety disorders, personality disorders and psychotic disorders; Psychiatry services; Psychology services; Therapy services; Drafting of psychological reports and analysis; Human healthcare services; Telemedicine services, namely, the provision of online aftercare services to clients/patients from their homes; Providing information via the Internet in the field of mental health.

PrimaHealth MHC Limited, 2.30 Western Gateway Building, University College Cork, Cork T12 XF62, Ireland. Address for service is c/o FRKelly, Waterways House, Grand Canal Quay, Dublin D02 PD39, Ireland.



273116 09 May 2025

Class 25. Sports clothing.

Seán Kavanagh, 1 The Dale, Herbert Road, Bray, Wicklow A98 ED34, Ireland. Address for service is c/o Seán Kavanagh, 1 The Dale, Herbert Road, Bray, Wicklow A98 ED34, Ireland.



273117 20 May 2025

Class 9. Medical training simulators.

Jacqui O Connor, 9A Platform 94, Galway H91 F773, Ireland. Address for service is c/o Jacqui O Connor, 9A Platform 94, Galway H91 F773, Ireland.

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



Application is for a Series of 4 Trade Marks.

273118 05 June 2025

- Class 39. Tour operator services for the booking of travel; Arranging holiday travel; Holiday travel reservation services; Tour operating; Tour conducting; Tour organising; Tour arranging; Operating tours; Arranging tours; Provision of tours; Operating of tours; Conducting sightseeing tours; Arranging of tours; Arranging travel tours; Arrangement of tours; Organisation of tours; Tour

operating and organizing; Tour operating and organising; Organization of sightseeing tours; Arrangement of sightseeing tours; Organisation of sightseeing tours; Conducting of sightseeing tours; Arranging of travel tours; Arranging and booking of tours; Arranging and conducting of tours and sightseeing; Booking of holiday travel and tours; Services for the arranging of excursions for tourists; Arranging of sightseeing tours as part of package holidays; Arranging of excursions as part of package holidays; Arranging and booking of travel for package holidays.

Class 41. Conducting guided tours.

Class 43. Tour operator services for the booking of temporary accommodation.

Wilderness Ireland Limited, Unit 8A 1/2, Northwest Business Park, Collooney Co. Sligo F91 E285, Ireland. Address for service is c/o Wilderness Ireland Limited, C/O Patricia Doe, Unit 8A 1/2, Northwest Business Park, Collooney Co Sligo F91 E285, Ireland.

The mark in use is/will be in the colour(s) The black monochrome logo uses the HEX colour code - #373736 The white monochrome logo uses the HEX colour code - #FFFFFF The colour logo uses the HEX colour codes - #373736, #5F9422, #075F20 and #164E72

Solas Pilates

273119 14 June 2025

Class 41. Pilates instruction;
Conducting pilates classes;
Physical fitness instruction;
Conducting physical fitness
conditioning classes;
Conducting fitness classes;
Health and wellness training;
Education in movement
awareness; Strength and
conditioning training;
Provision of recreational
events.

Áine Halpin, Ballytoohey, Tarmonbarry,
Roscommon n39A335, Ireland. Address for service
is c/o Áine Halpin, Ballytoohey, Tarmonbarry,
Roscommon N39A335, Ireland.



273120 14 June 2025

Class 30. Japanese green tea; Green
tea; Instant green tea; Tea;
Teas; Artificial tea; Tea
cakes; Sage tea; Tea (Iced -);
Iced tea; Peppermint tea;
Chamomile tea; White tea;
Tea mixtures; Tea beverages;
Tea essences.

Class 35. Recruitment services for
sales and marketing
personnel; Online
advertisements; Online

advertising; Online
marketing; Online marketing
services; Online advertising
services; Compilation of
online business directories;
Online advertising on
computer networks;
Providing online commercial
directory information
services; Online retail
services relating to luggage;
Online retail services relating
to cosmetics; Provision of
online price comparison
services; Online retail
services for downloadable
digital music; Online retail
services for downloadable
ring tones; Online retail store
services relating to clothing;
Online retail services for
downloadable virtual
clothing; Online advertising
via a computer
communications network;
Providing a searchable online
advertising guide featuring
the goods and services of
online vendors;
Dissemination of advertising
via online communications
networks; Arranging
subscriptions of the online
publications of others;
Online retail services in
relation to electric vehicles;
Online retail services in
relation to electric bicycles;
Arranging commercial
transactions, for others, via
online shops; Online
advertising network
matching services for
connecting advertisers to
websites; Online retail
services for downloadable
and pre-recorded music and
movies; Business
information services
provided online from a
global computer network or
the internet; Promoting the
artwork of others by means
of providing online portfolios
via a website; Provision of an
online marketplace for

buyers and sellers of downloadable digital image files authenticated by non-fungible tokens [NFTs]; Promoting the designs of others by means of providing online portfolios via a website; Promoting the music of others by means of providing online portfolios via a website; Providing a searchable online advertising guide featuring the goods and services of other on-line vendors on the internet.

Class 43. Cafés; Cafeterias; Café services; Cafe services; Cafeteria services; Self-service cafeteria services; Catering services for company cafeterias; Catering in fast-food cafeterias; Serving food and drink in internet cafes; Serving food and drink in Internet cafes; Providing food and drink in Internet cafes.

Dylan Fennell, 2 The Walk, Blessington W91VW26, Ireland. Address for service is c/o Dylan Fennell, 2 The Walk, Blessington W91VW26, Ireland.

provision of music and dancing facilities; organisation of competitions, games and sporting events; organisation of musical entertainment, fashion shows, parties; advisory, consultancy and information services in relation to aforesaid; organising competitions and tournaments; providing facilities for parties and dancing.

Class 43. Services for providing of food and drink; bar services, music bar services, cafe services, lounge bar services, catering, food, and drink services; providing facilities for weddings; banqueting services; cocktail bar services; music bars; restaurant services; take away services.

Michael Wright, Unit 7G, Swords Business Park, Swords, Co. Dublin K67X042, Ireland. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

MARY RYANS

273121 21 May 2025

Class 41. Entertainment services; nightclub, discotheque and cabaret services; provision of live entertainment and recorded entertainment; provision of leisure and entertainment facilities; sports, cinematic and video entertainment services;



273122 28 April 2025

Class 25. Denims [clothing].

Mert Omer Borke, Apt 1, 74 camden street lower, Dublin 2 D02EV26, Ireland. Address for service is c/o Mert Omer Borke, apt 1, 74 Camden Street Lower, Dublin 2 D02EV26, Ireland.

Aqua Twist

273123 13 June 2025

Class 32. Water; spring water; mineral water; bottled water; flavoured water.

Priority Date Claimed: 18 May 2025 United Kingdom

Garfield Taylor, Lynden Gate, Portadown BT63 5YH, United Kingdom. Address for service is c/o MACLACHLAN & DONALDSON (IRELAND) LIMITED, trading as MACLACHLAN &

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

We grow brands that build.

273124 13 June 2025

Class 35. Website traffic optimization; Website traffic optimisation; Providing marketing information via a website; Business strategy services; Brand strategy services; Business strategy development services; Business strategy and planning services; Consultancy regarding advertising communications strategy; Consultancy regarding public relations communications strategy; Production of video recordings for advertising purposes; Online marketing; Online marketing services; Brand positioning; Brand creation services; Brand positioning services; Brand evaluation services; Advertising services to create brand identity for others; Advertising services to create corporate and brand identity; Production of video recordings for publicity purposes; Video recordings for advertising purposes (Production of -); Video recordings for publicity purposes (Production of -).

Class 41. Video production; Video film production; Video production services;

Production of videos;
Production of podcasts;
Creation [writing] of
podcasts; Creation [writing]
of educational content for
podcasts; Video recording
services; Production of video
recordings; Editing of video
recordings; Audio and video
recording services;
Production of video and/or
sound recordings; Recording,
film, video and television
studio services; Production
of educational sound and
video recordings.

- Class 42. Website design; Creating
websites; Website design
consultancy; Website
development services;
Website design services;
Maintenance of websites;
Design of websites; Building
and maintaining websites;
Creating and maintaining
websites; Design of
homepages and websites;
Designing websites for
advertising purposes;
Creation and maintenance of
websites; Brand design
services; Design of brand
names.

Generate Leads Limited, 24 Hunters Avenue,
Hunterswood, Dublin 24, Dublin D24 H7Y4,
Ireland. Address for service is c/o Generate Leads
Limited, 24 Hunters Avenue, Hunterswood, Dublin
24, Dublin D24 H7Y4, Ireland.

San Patricios

273125 13 June 2025

Class 25. Clothing.

Kevin Traynor, 4 Hawthorn Close, Ballybofey F93
C9C5, Ireland. Address for service is c/o Kevin
Traynor, 4 Hawthorn Close, Ballybofey F93 C9C5,
Ireland.



Application is for a Series of 2 Trade Marks.

273126 12 May 2025

- Class 9. Virtual reality software; Virtual assistant software; Augmented reality software; Virtual and augmented reality software; Augmented reality software for simulation; Augmented reality software for use in mobile devices; Augmented reality software for use in mobile devices for integrating electronic data with real world environments; Artificial intelligence software; Interactive software based on artificial intelligence; Software development tools; Downloadable application software for virtual environments; Gesture recognition software; Computer software platforms; Augmented reality computer hardware.
- Class 41. Providing of training; Training services; Training services provided via simulators.
- Class 42. Technology consultation in the field of artificial intelligence; Platforms for artificial intelligence as software as a service [SaaS]; Software as a service [SaaS] featuring computer software platforms for artificial intelligence; Development of virtual reality software; Design and development of virtual reality software; Software development; Computer software development; Development of software; Software engineering.

WEKIT Experience Capturing Solutions Ltd.,
Grange House, 94 Foxrock Avenue, Dublin 18 D18
N220, Ireland. Address for service is c/o WEKIT
Experience Capturing Solutions Ltd., c/o Stephan
Pascall, Clos Saint Georges 12, 1150 Brussels,
Belgium.

The first mark in the series is/will be in the colours white, cyan and purple, the second mark is/will be dark blue navy, cyan and purple.



273127 13 June 2025

- Class 1. Chemical preparations for the prevention of grease in grease traps.

Ecotec GMS, Cloon & Commons, Castleconnell,
Limerick V94PK00, Ireland. Address for service is
c/o Ecotec GMS, c/o Ger McCloskey, Kyle,
Broadford, Clare V94 YHE9, Ireland.

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



273128 12 June 2025

Class 9. Digital signage; Digital signage monitors; Digital signage display panels; Brackets for setting up flat screen TV sets.

Gerry McDonnell, Dromone, Oldcastle A82E0W4, Ireland. Address for service is c/o Gerry McDonnell, dromone, Oldcastle A82E0W4, Ireland.

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

ARKLOW BANK

273129 13 March 2025

Class 4. Electricity; electrical energy; wind generated electricity; electrical energy from wind power; electrical energy from renewable sources.

Class 7. Machine tools; machines for use in the generation, transmission, distribution, supply and conservation of energy, including wind energy; wind powered electricity generators; machines for installing pipes; machines for drilling; engines (except for land vehicles); machine motors; motors for wind turbines; generators; pumps and compressors; wind turbines; turbines for power generation; wind power machines and windmills for electricity generation; vertical axis wind turbines; towers, mill towers and masts, blades, blade hubs, gears, nacelles, rotor assemblies, breaks and transmissions devices, being parts of turbines and wind power machines; electricity generators; generators for wind turbine; engines for the generation of electricity; electrical generator plants and generator stations; high voltage generators; wind turbine electricity generators.

Class 11. Apparatus for lighting; Apparatus for heating; Sanitary installations, water supply and sanitation equipment; Installations and apparatus for sanitary purposes.

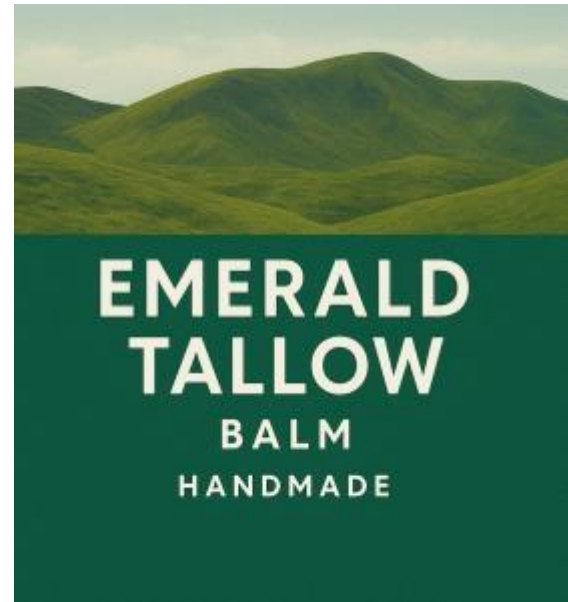
Class 37. Offshore construction; construction, erection, installation, maintenance and repair of turbines, offshore turbines, wind mills, power plants, electrical substations, wind power plants, wind turbines, and onshore and offshore electricity substations; construction, erection, installation, maintenance and repair of wind farms; construction, installation, maintenance and repair of electricity generators; testing for faults

	and damage in pipes and pipelines; building and construction services; construction, repair and maintenance services for electrical, infrastructures and installations; construction, repair and maintenance of buildings; installation, repair and maintenance of communications network apparatus and instruments, electrical installations and apparatus; building construction supervision; construction, repair and maintenance of bridges, roads, tunnels, underground and offshore structures; construction, repair and maintenance of electricity transmission and distribution networks; installation of transmission lines; building project management; building refurbishment; installation of pipelines; installation of offshore pipelines; pipeline laying; pipeline construction; pipeline repair and maintenance; installation, repair and maintenance of electrical generation equipment, electrical distribution equipment, electrical apparatus and electrical goods; civil engineering construction; repair, maintenance and installation of electricity supply equipment; advisory and consultancy services relating to all of the aforesaid services.	
Class 39.	Distribution, storage and supply of electricity; electricity storage; distribution of energy; distribution of renewable energy; public utility services in the nature of electricity distribution; transmission of electricity; grid energy storage; large scale energy storage; large scale battery	
		storage; consultancy, information and advisory services relating to all the aforesaid services.
		Class 40. Production of energy; generation of electricity; production electricity; power generation; electricity generation; generation of energy from renewable sources; generation of electricity from wind energy; leasing of energy generating equipment; generation of energy via wind farms; services for the treatment of carbon emissions (carbon capture); carbon capture and storage services; hire of electricity generators; information, consultancy and advisory services relating to the above.
		Class 42. Scientific and industrial research and development; scientific and technological services and research and design relating to the supply of electricity; safety testing of electric appliances, pipes, pipelines, pipework, transmission lines, overhead lines and apparatus and instruments utilising electricity; testing of electricity generating plants; safety testing of wind farms; testing for faults and damage in pipes and pipelines; professional consultancy relating to the energy efficiency of buildings and other structures; research in the field of energy and renewable energy; development of energy and power management systems; research of carbon capture and storage; research in the field of environmental protection and climate change; auditing energy consumption of buildings; energy conservation management; preparation of

reports on energy consumption of buildings; auditing of energy consumption and of efficiency of operation of appliances and safety checking of appliances and pipework; advisory services relating to energy efficiency; advisory, information and consultancy services relating to energy management and efficiency; mechanical engineering services; computer programming; electrical engineering services; computerised information storage and dissemination and retrieval services; computerised business information, storage and retrieval; testing of cable installations for communications apparatus and for electric power distribution; building inspection services (surveying); land and real estate surveying; surveying and quantity surveying; civil and specialist engineering services; design and development of computer hardware and software; design and development of energy management software; design and development of software for the energy industry; electrical safety research; certifying as to the energy efficiency of buildings and other structures; technology analysis; technical project analysis; planning of renewable energy projects; research relating to wind and wind power including onshore wind farms; advisory and consultancy services relating to all of the aforesaid services.

SSE plc, Inveralmond House, 200 Dunkeld Road, Perth PH1 3AQ, United Kingdom. Address for service is c/o Kimberley Brown, Mason Hayes &

Curran LLP, South Bank House, Barrow Street, Dublin D04TR29, Ireland.



273130 05 June 2025

Class 3. Cosmetic preparations; Cosmetic creams; Cosmetic oils; Cosmetic soaps.

Maria Pietraszko, 40 Moyderwell, Tralee Kerry V92VEW2, Ireland. Address for service is c/o Maria Pietraszko, 40 Moyderwell, Tralee Kerry V92VEW2, Ireland.

The mark in use is/will be in the colour(s) the background is a gradient of dark green (#295F3A) and olive green tones (#6B7B4B), while the text 'EMERALD TALLOW BALM HANDMADE' appears in cream white (#F8F6F0).



273131 12 June 2025

Class 43. Restaurants.

Jianan Liu, 51, Suttonfield Paddocks, Dublin D18KP8D, Ireland. Address for service is c/o Jianan Liu, 51, Suttonfield Paddocks, Dublin D18KP8D, Ireland.

services in the field of life coaching.

Class 44. Alternative medicine services; Reiki services; Aromatherapy services; Holistic psychotherapy.

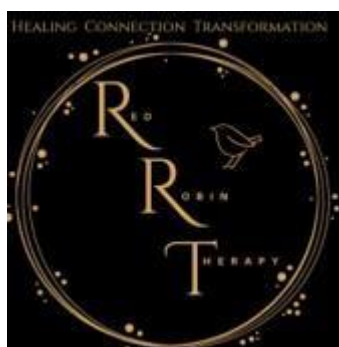
Claire O'Brien, The Cuckoo's Nest, Carrowmunna, Craughwell H91F9C3, Ireland. Address for service is c/o Claire O'Brien, The Cuckoo's Nest, Carrowmunna, Craughwell H91F9C3, Ireland.



273133 14 June 2025

Class 33. Whiskey; Gin; Vodka.

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



273132 29 April 2025

Class 41. Life coaching (training); Training or education

Love N Dirtt**273134** 13 May 2025

Class 41. Music recording.

Graham Dunlea, 16 Clonard Lawn, Grenagh, Cork T23 FK33, Ireland. Address for service is c/o Graham Dunlea, 16 Clonard Lawn, Grenagh, Cork T23 FK33, Ireland.

NEW RELIC BREWING**273135** 22 May 2025

Class 32. Beer; Beers; Flavored beer; Flavoured beers; Flavored beers; Beer and non-alcoholic beer; Black beer [toasted-malt beer].

Ewen Pettit, PO BOX 154, GREENSLOPES 4120, Australia. Address for service is c/o Ewen Pettit, 12 Cherrymount, Clonmel, Tipperary, Ireland.

Deep Agility**273136** 16 June 2025

Class 41. Educational services, namely, conducting training programs, classes, seminars, and workshops in the field of professional development, leadership, organisational transformation, and agile methodologies; educational program featuring instruction, assessment, of ambassadors in the field of business agility and organisational coaching; and providing educational consulting services related to organisational transformation and agile implementation.

MC MAHON, Via Amerigo Vespucci, n.17, 84030 Tortorella, Italy. Address for service is c/o MC MAHON, Via Amerigo Vespucci, n.17, 84030 Tortorella, Italy.

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

MelodyMates**273137** 16 June 2025

Class 16. Printed instructional and educational materials in the field of music; musical workbooks; sheet music; printed lesson plans; music theory books; printed educational guides for teaching and learning musical instruments; printed activity books for music education; printed materials featuring exercises, notation and practice routines for music students.

Class 41. Educational services, namely, providing online and in-person classes,

workshops, and instructional programs in the field of music; providing digital educational resources and interactive content for music learning; online publication of musical workbooks and instructional materials; educational services featuring music theory, instrument training, and performance techniques; development and dissemination of educational content in the field of music through digital platforms.

Sounds Like Music Limited, 6 Gleann Petit Park, Mullingar, Westmeath, Ireland. Address for service is c/o FRKelly, Waterways House, Grand Canal Quay, Dublin D02 PD39, Ireland.

*The*LUXURY SECRET

273139 17 June 2025

Class 3. Hair lotions; shampoos; hair conditioners; cleaning preparations; aromatics [essential oils]; hair dyes; hair waving preparations; cosmetics; hair spray; air fragrancng preparations; shaving soap; cleansing milk for toilet purposes; essential oils; after-shave lotions; cosmetics for children; cosmetic preparations for baths; body wash; shampoos for animals [non-medicated grooming preparations]; adhesives for affixing false hair; collagen preparations for cosmetic purposes.

The Wonky Woolins

273138 16 June 2025

Class 28. Plush toys.

Chloe Gardiner, 17 Kinvara Drive, Navan Rd, Dublin D07EY74, Ireland. Address for service is c/o Chloe Gardiner, 17 Kinvara Drive, Navan Rd, Dublin 7 D07EY74, Ireland.

Guangzhou UMORSEA Investment Holding Co., Ltd., Room 1622, No. 395 Jianpeng Road, Baiyun District, Guangzhou, Guangdong Province, China. Address for service is c/o Murgitroyd & Company, 2nd Floor, 57 Adelaide Road, Dublin 2, D02 Y3C6, Ireland.

UMORSÉA**273140** 17 June 2025

Class 3. Hair lotions; shampoos; hair conditioners; cleaning preparations; aromatics [essential oils]; hair dyes; hair waving preparations; cosmetics; hair spray; air fragrancng preparations; shaving soap; cleansing milk for toilet purposes; essential oils; after-shave lotions; cosmetics for children; cosmetic preparations for baths; body wash; shampoos for animals [non-medicated grooming preparations]; adhesives for affixing false hair; collagen preparations for cosmetic purposes.

Guangzhou UMORSEA Investment Holding Co., Ltd., Room 1622, No. 395 Jianpeng Road, Baiyun District, Guangzhou, Guangdong Province, China. Address for service is c/o Murgitroyd & Company, 2nd Floor, 57 Adelaide Road, Dublin 2, DO2 Y3C6, Ireland.

BasMar**273141** 15 June 2025

Class 9. Electric-car charger; Mobile phone chargers; Cell phone battery chargers; Battery chargers for mobile phones; Cell phone battery chargers for use in vehicles.

AHMAD SAWAID, 23 THE CHASE, CLONMEL E91 XY58, Ireland. Address for service is c/o Ahmad Sawaid, 23 The Chase, Clonmel E91 XY58, Ireland.

Bogshúil**273142** 12 October 2024

Class 10. Shoes (Orthopaedic -).
Class 25. Dress shoes; Shoes.

Liam Hyland, 11 Headfort Woods, KELLS A82 D2W6, Ireland. Address for service is c/o Liam Hyland, 11 Headfort Woods, KELLS A82 D2W6, Ireland.

CLÍONA
BY
SILVER PHOENIX

273143 17 June 2025

Class 14. Precious metals and their alloys; jewellery; bridal jewellery; earrings; necklaces; bracelets; pendants; silver jewellery; gold jewellery; wedding accessories in the nature of jewellery; jewellery boxes.

Martynas Simkus Limited, Silver Phoenix, 25 Florence Road, Bray Wicklow A98 T851, Ireland. Address for service is c/o Martynas Simkus, Silver Phoenix, 25 Florence Road, Bray Wicklow A98 T851, Ireland.



273144 11 June 2025

Class 41. Education; Entertainment; Sporting services; Sports entertainment services; Sports education services; E-sports services; Sports betting services; Casino, gaming and gambling services; On-line gambling services.

Forgefield ULC, Sunrise, Mogeely lower, Conna, Co Cork P51W9D5, Ireland. Address for service is c/o Forgefield ULC, c/o Rena Aherne, Sunrise, Mogeely lower, Conna, Co Cork P51W9D5, Ireland.

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

**273145** 17 June 2025

Class 31. Fresh mushrooms;
Unprocessed mushrooms;
Fungi; Raw vegetables;
Fresh herbs; Raw herbs.

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

**273146** 03 June 2025

Class 25. Clothing; hoodies;
sweatshirts; t-shirts; hats;
caps; streetwear garments;
jackets; premium fashion
garments made from natural
fibers.

Class 35. Retail services in the field of
clothing; online store
services; e-commerce
fashion sales; brand
promotion and advertising;
marketing services related to
fashion and accessories.

Jose Daniel Requena Perdomo, Saint Elmo, 164
Mount Agnes Road, Cork T23K6C1, Ireland.
Address for service is c/o jose perdomo, 164 Mount
Agnes Road Fairhill, Saint Elmo, Cork T23K6C1,
Ireland.



relating to pedagogy techniques.

Aoife Mac Alister, 29 Hilltown Grove, Swords, Co. Dublin K67 F9H6, Ireland. Address for service is c/o Aoife Mac Alister, 29 Hilltown Grove, Swords, Co. Dublin K67 F9H6, Ireland.

The mark in use is/will be in the colour(s) The word 'PREMIER' is rendered in 7456 C (hex:5674b9 @ distance 16) The word 'PIANO' is rendered in 534 C (hex: 1c2f6a @distance 16). The background shows a piano design blueprint in grey.

273147 08 June 2025

- Class 9. Downloadable digital music; Electronic sheet music, downloadable; Digital books downloadable from the Internet; Teaching instruments.
- Class 41. Piano instruction; Music education; Education information; Music instruction; Teaching of music; Instruction in music; Tuition in music; Publication of music; Publication of music books; Hire of musical instruments; Publication of musical texts; Production of musical recordings; Education services relating to music; Providing information in the field of music; Education and training in the field of music and entertainment; Teaching; Teaching services; Education, teaching and training; Educational and teaching services; Publication of educational teaching materials; Providing of training, teaching and tuition; Teaching services



273148 19 June 2025

- Class 30. Pizza; Frozen pizza; Fresh pizza; Pizza bases; Pizza dough; Pizza sauce; Seasonings and sauces for pizzas; pastas; filled pasta and sauces for pastas and pasta products; garlic bread; pizza bread; prepared desserts (pastries); puddings; ice cream; cakes; Cookies.
- Class 43. Restaurant services; Takeaway services; Takeaway food services; Takeaway food and drink services.

David O'Rourke, Gortakeeghan, Monaghan Town, Co. Monaghan H18 W528, Ireland. Address for service is c/o Cruickshank, 8 A Unit, Sandyford Business Centre, Sandyford D18R2N8, Ireland.

Not Dogging

273149 06 March 2025

Class 9. Downloadable MP3 files.

TREVOR MORAN, SEAVIEW, CAMDEN ROAD, CROSSHAVEN, CORK, Ireland. Address for service is c/o TREVOR MORAN, c/o EIMEAR MCCARTHY, 20 GREYSTONES, BALLINCOLLIG, CORK, Ireland.

PRESENTATION COLLEGE HEADFORD

273150 17 June 2025

Class 41. School services; educational services; secondary school educational services; provision of training and cultural activities; provision of educational, instructional and training courses; organisation and conducting of after-school groups for education, entertainment or recreational purposes; organisation and conducting

of homework clubs and academic monitoring for children; provision of homework assistance; design of and setting standards for educational courses, examinations and qualifications; conducting of educational courses; provision of educational examinations and tests; teaching services; publication of instructional and educational materials; arranging of presentations, award ceremonies, conferences, seminars, demonstrations, displays, exhibitions, competitions, presentations, events and workshops for cultural, educational, sporting or entertainment purposes; provision of courses in remedial tuition, extra tuition or exam preparation; provision of distance learning facilities; recreational services; entertainment services; sporting activities; sports coaching; sports education services; hire of sports facilities; rental of sports equipment and apparatus; sport camp services; holiday camp services; sports club services; vocational guidance; library services; theatre performances; music performances; provision of entertainment, sporting and cultural services for charitable events; publication of educational material; organisation of sporting, entertainment, education and cultural activities.

Board of Management of Presentation College Headford, Presentation College Headford, Church Road, Headford, Galway, Ireland. Address for service is c/o Hazel McDwyer, Mason Hayes & Curran LLP, South Bank House, Barrow Street, Dublin 4, Ireland.



273151 12 July 2024

Class 16. Paper; cardboard; printed matter; photographs; stationery; artists' materials; paint brushes; albums; scrapbooks; bookends; booklets; bookmarkers; books; calendars; document files; document holders; drawer liners of paper, perfumed or not; drawing materials and instruments; drawing pads; drawing pens; drawing sets; envelopes; fountain pens; greeting cards; hat boxes of cardboard; magazines (periodicals); money clips; note books; newsletters; paper sheets; pens; pencils; pictures; portraits; place mats of paper; postage stamps; postcards; posters; printed publications; prints (engravings); stands for pens and pencils; stickers; table

linen of paper; table napkins of paper; tablecloths of paper; tablemats of paper; tickets; transfers; decalcomanias; wrapping paper; writing instruments; writing materials; writing cases; writing or drawing books; writing paper; charts; plans, maps and globes; paperweights.

Class 25. Clothing; footwear; headgear.

Class 35. Advertising; business management; business administration; retail services for use in connection with the sale of soaps, perfumery, essential oils, cosmetics, hair lotions, candles, rings of common metal for keys, magnetic data carriers, recording discs, compact discs, dvds and other digital recording media, apps, digital picture frames, covers for phones, jewellery, watches, clocks, badges, boxes, bracelets, brooches, buckles, cases, chains, tokens, cuff links, earrings, jugs, key rings (trinkets or fobs), necklaces, pins, pearls, semi precious stones, trinkets, paper, cardboard, printed matter, photographs, stationery, artists' materials, paint brushes, albums, scrapbooks, bookends, booklets, bookmarkers, books, calendars, document files, document holders, drawer liners of paper, perfumed or not, drawing materials and instruments, drawing pads, drawing pens, drawing sets, envelopes, fountain pens, greeting cards, hat boxes of cardboard, magazines (periodicals), money clips, note books, newsletters, note books, paper sheets, photographs, pens, pencils, pictures, portraits, place mats of

paper, postage stamps, postcards, posters, printed publications, prints (engravings), stands for pens and pencils, stickers, table linen of paper, table napkins of paper, tablecloths of paper, tablemats of paper, tickets, transfers, decalcomanias, wrapping paper, writing instruments, writing materials, writing cases, writing or drawing books, writing paper, charts, plans, maps and globes, paperweights, magnetic notepads, bags, cases and trunks, belts, umbrellas, parasols, wallets, walking sticks, satchels, leather and imitation leather, furniture, mirrors, picture frames, cushions, baskets, bins, blinds, boards, coat hangers, coat stands, containers, decorations for food stuffs, cases, caskets and boxes, magazine racks, trays, stoppers, not of metal, sealing caps, not of metal, flasks, door stoppers, hangers, household and kitchen utensils and containers, combs and sponges, brushes, basins, baskets, bins, blenders, bottle openers, bowls, crockery, dishes, glasses, cups, egg timers, flasks, tea pots, flower pots, glasses, buckets, jugs, jars, kettles, plates, porcelain, pottery, earthenware, china, moneyboxes, bath linen, blankets, bed clothes, bed covers, bed linen, blankets, cushion covers, eiderdowns, fabric, place towels, mats, picnic blankets, nets, quilts, rugs, table cloths, table linen, table mats, table napkins, towels, tea towels, clothing, headgear, footwear, carpets, rugs, mats, wall coverings, wallpaper, wall hangings, decorations for Christmas

trees, explosive bonbons (Christmas crackers), cosaques (toy fireworks), games and playthings, gymnastic and sporting articles, jigsaw puzzles, puppets, playing cards, bingo cards, dried and cooked fruits and vegetables, jellies, jams, fruit sauces, crisps, coffee, tea, cocoa, sugar, rice, cereals, confectionery, honey, treacle, sauces (condiments), spices.

The Injured Jockeys Fund, Injured Jockeys Fund, Peter O'Sullivan House, 7a Newmarket Road, Newmarket, Suffolk CB8 7NU, Ireland. Address for service is c/o Stobbs Ireland Limited, Suite 308, The Merrion Buildings, 18-20 Merrion Street Upper, DUBLIN 2 D02 XH98, Ireland.

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

LEGENDS OF BIRR

273152 17 June 2025

Class 41. Film production; Film distribution; Film studios; Film rental; Film editing.

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

Grip-Line

273153 16 June 2025

Class 28. Gloves for sports; Gloves made specifically for use in playing sports.

NOCTRA, 16 Elm Way, Dublin K78 T886, Ireland. Address for service is c/o NOCTRA, C/O Matthew Guilfoyle, 14 Esker Lodge, Lucan Co. Dublin K78 DK07, Ireland.

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

Dog Quest Ireland

273154 19 June 2025

Class 35. Advertising, marketing and promotional services; Provision of an online marketplace for buyers and sellers of goods and services; Retail services in relation to pet products; Retail services in relation to animal grooming preparations; Demonstration of goods; Sales promotion for others; Retail services relating to live animals; Business intermediary services relating to the matching of various professionals with clients; Procurement of contracts [for others].

DOG QUEST IRELAND LIMITED, Deegarty, Askeaton V94pcd4, Ireland. Address for service is

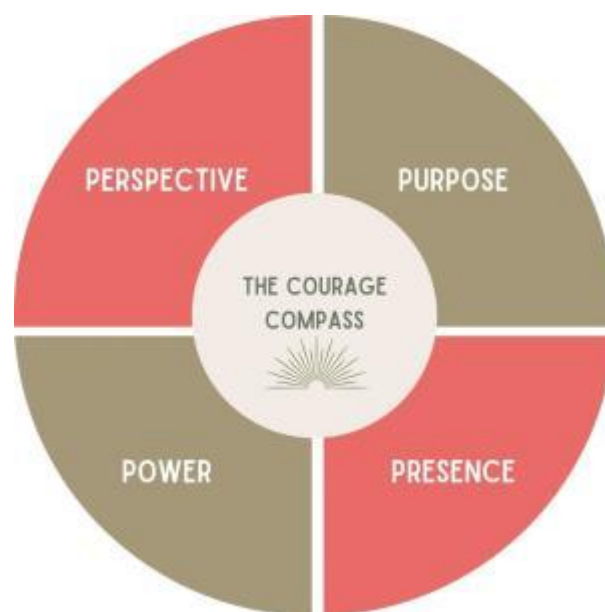
c/o Trama Legal s.r.o., Bottova 2A, 811 09 Bratislava, Slovakia.

One Woman. One County. One Mission.

273155 11 June 2025

Class 41. Education; Health education; Education information.

Liadh Fitzgerald, Old Stone Cottage, Horsehill More South Dunderrow, Kinsale, Co. Cork P17ND26, Ireland. Address for service is c/o Liadh Fitzgerald, Old Stone Cottage, Horsehill More South Dunderrow, Kinsale, Co. Cork P17ND26, Ireland.



273156 22 May 2025

Class 41. Personal development training; Training; Personnel training; Employment training; Personal development courses.

The Courage Project, 8 Oakwood, Tivoli Road, Dun Laoghaire, Dublin, Ireland. Address for service is c/o The Courage Project, 8 Oakwood, Tivoli Road, Dun Laoghaire, Dublin, Ireland.

TROPICAL TRAIL

273157 19 June 2025

Class 32. Juices.

Dikusa Joseph Lubanza, Doona, Charleville P56TH26, Ireland. Address for service is c/o Dikusa Joseph Lubanza, Doona, Charleville P56TH26, Ireland.

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

GOTROPICAL

273158 19 June 2025

Class 29. Vegetable juice concentrates for food.

Dikusa Joseph Lubanza, DOONA, Charleville P56TH26, Ireland. Address for service is c/o Dikusa Joseph Lubanza, DOONA, Charleville P56TH26, Ireland.

**273159** 09 June 2025

Class 43. Restaurants.

Yueling Zhang, 19 GLEN VALE, BALLYRAGGET, CO. KILKENNY R95 XY50, Ireland. Address for service is c/o Yueling Zhang, 19 GLEN VALE, BALLYRAGGET, CO. KILKENNY R95 XY50, Ireland.

The mark in use is/will be in the colour(s) dark red, cream, yellow-orange, black, and dark brown.

Sioda

Síoda

Application is for a Series of 2 Trade Marks.

273160 29 March 2025

- Class 3. Shampoos; Conditioners; Hair lotions; Hair oils; Hair creams; Hair gels; Hair wax; Hair moisturisers; Non-medicated hair treatment preparations.
- Class 25. Silk scrunchies; silk headbands; silk turbans; silk sleep masks; hair wraps; headwear, silk cot sleeve.
- Class 26. Hair bands; Hair scrunchies; Hair clips; Hair grips; Ponytail holders; Barrettes [hair-slides].
- Class 35. Online retail store services featuring hair care preparations, silk accessories, hair accessories, and silk scrunchies.

Jonathan Healy, 150 Caireal Mor, Galway H91 TF76, Ireland. Address for service is c/o Jonathan Healy, 150 Caireal Mor, Galway H91 TF76, Ireland.



The logo for AIMS, where the letters are stylized with a blue and red striped pattern for the 'A' and 'I', and a green and red striped pattern for the 'M'.

273161 26 March 2025

- Class 16. Events programmes; Printed events programmes; Medical journals.

Judi O' Malley, 27 Strandmill Rd, Portmarnock, Dublin D13Y5Y0, Ireland. Address for service is c/o Judi O'Malley, C/o Peter Naughton, Vascular Department, Bon Secours, Glasnevin, Dublin D09 YN97, Ireland.

The mark in use is/will be in the colour(s)
 Pantone: American Blue - 5265 C White - 7436
 C American Red - 1805 C Green - 347 C Orange - 151
 C Navy - 655 C



273162 20 June 2025

- Class 44. Reflexology services; Alternative medicine services.

Sharon Maxwell, Barrack Street, Tullow, Carlow, Ireland. Address for service is c/o Sharon Maxwell, Barrack Street, Tullow, Carlow, Ireland.

Edilma Therapy

273163 20 June 2025

Class 44. Massage services; Salon services (Beauty -); Massage therapy services.

Edilma Rosa Torrez Yepes, 93 Grand Parade, 1st Floor, Cork city centre, Cork T12 KDT8, Ireland. Address for service is c/o Edilma Torrez, APARMENT 29 TIVOLI WOODS, TIVOLI, CORK T23 DA59, Ireland.

Elm Homecare

273164 09 June 2025

Class 44. Healthcare services.

The Elm Collection Limited, Ballybrack, Carbury, Kildare W91 N4V9, Ireland. Address for service is c/o The Elm Collection Limited, C/O Rochella Gill, Ballybrack, Carbury, Kildare W91 N4V9, Ireland.



273165 31 May 2025

Class 30. Coffee, tea, cocoa and artificial coffee; rice, pasta and noodles; tapioca and sago; flour and preparations made from cereals; bread, pastries and confectionery; chocolate; ice cream, sorbets and other edible ices; sugar, honey, treacle; yeast, baking-powder; salt, seasonings, spices, preserved herbs; vinegar, sauces and other condiments; ice (frozen water).

Jerin Joy, 18 Latchford Court, Castaheany, Dublin D15CF85, Ireland. Address for service is c/o Jerin Joy, 18 Latchford Court, Castaheany, Dublin D15CF85, Ireland.

PCH

273166 17 June 2025

Class 41. School services; educational services; secondary school educational services; provision of training and cultural activities; provision of educational, instructional and training courses; organisation and conducting of after-school groups for education, entertainment or recreational purposes; organisation and conducting of homework clubs and academic monitoring for children; provision of homework assistance; design of and setting standards for educational courses, examinations and qualifications; conducting of educational courses; provision of educational examinations and tests; teaching services; publication of instructional and educational materials; arranging of presentations, award ceremonies, conferences, seminars, demonstrations, displays, exhibitions, competitions, presentations, events and workshops for cultural, educational, sporting or entertainment purposes; provision of courses in remedial tuition, extra tuition or exam preparation; provision of distance learning facilities; recreational services; entertainment services; sporting activities; sports coaching; sports education services; hire of sports facilities; rental of sports equipment and apparatus; sport camp services; holiday camp services; sports club services; vocational guidance; library services; theatre performances; music performances; provision of entertainment, sporting and cultural services for

charitable events; publication of educational material; organisation of sporting, entertainment, education and cultural activities.

Board of Management of Presentation College Headford, Presentation College Headford, Church Road, Headford, Galway, Ireland. Address for service is c/o Hazel McDwyer, Mason Hayes & Curran LLP, South Bank House, Barrow Street, Dublin 4, Ireland.

EASI-CHAMBER

273167 17 June 2025

Class 6. Common metals and their alloys; metal building materials; transportable buildings of metal; materials of metal for railway tracks; non-electric cables and wires of common metal; ironmongery, small items of metal hardware; pipes and tubes of metal; safes; ores; manhole covers (metallic); manhole cover surrounds (metallic); parts and fittings for the aforementioned goods.

Class 19. Building materials (non-metallic); non-metallic rigid pipes for building; asphalt, pitch and bitumen; non-metallic transportable buildings; monuments, not of metal; manhole covers (non-metallic); manhole cover surrounds (non-metallic); concrete building materials; preformed concrete building elements; building and construction materials and

elements made of sand,
stone, rock, clay, minerals
and concrete; parts and
fittings for the
aforementioned goods.

FP McCann Limited, 3 Drumard Road,
Knockloughrim, Magherafelt, Northern Ireland
BT45 8QA, United Kingdom. Address for service is
c/o FRKelly, Waterways House, Grand Canal Quay,
Dublin D02 PD39, Ireland.

Opposition(s) under Section 43 of the 1996 Act

- 272518** Alan Stafford. Opposition filed 02 September 2025
- 272531** Coillte CGA. Opposition filed 28 July 2025
- 272532** Coillte CGA. Opposition filed 28 July 2025
- 272537** Coillte CGA. Opposition filed 28 July 2025
- 272618** Brent Raynor. Opposition filed 17 September 2025
- 272037** GRANGE PARK INDUSTRIAL SUPPLIES LIMITED. Application withdrawn 18 September 2025

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

- 271880** Bonolo Tshepe
- 271882** SAS JAY
- 271883** Thomas Horkan
- 271889** Howth Yacht Club Company Limited
by Guarantee
- 271897** Jennifer Quinn

Trade Marks Registered under the 1996 Act

- 271785** (2532) Cl. 41. ZUN YAN
- 271851** (2533) Cl. 16 25 28 35 41. THE TRUSTEES FOR THE TIME BEING OF COUNTY SLIGO GOLF CLUB
- 271884** (2534) Cl. 44. Tudor Mircea Moldovan
- 272064** (2538) Cl. 9. Rohaan Bhatnagar
- 272087** (2538) Cl. 9 35 41 42. SB Advanced Systems Ltd
- 272208** (2539) Cl. 20 45. Trinity Columbarium Ltd
- 272227** (2539) Cl. 6 19. LF Fasthouse Ltd
- 272257** (2540) Cl. 41. Jade Kinsella
- 272268** (2540) Cl. 5 32. 5-hour International Corporation Private Limited
- 272292** (2540) Cl. 30. Heber Dias Ramalho
- 272295** (2540) Cl. 35. Grainne OMalley
- 272312** (2540) Cl. 7 21 39 40 43. Naimul Hossain
- 272319** (2541) Cl. 29 35. PRM Brands LTD
- 272335** (2541) Cl. 14 16 25. Jude Hongla Bahanag Nunga
- 272358** (2541) Cl. 39. easyGroup Limited
- 272359** (2541) Cl. 43. easyGroup Limited
- 272366** (2541) Cl. 3 5. easyGroup Limited
- 272374** (2541) Cl. 9 42. Copart, Inc.
- 272397** (2541) Cl. 39. easyGroup Limited
- 272399** (2541) Cl. 43. easyGroup Limited
- 272403** (2542) Cl. 35 41. WebDevBuilders Ltd
- 272405** (2542) Cl. 16 38 41 44. Ruby O'Riordan
- 272409** (2542) Cl. 35 41. SOCENT COMPANY LIMITED BY GUARANTEE
- 272417** (2542) Cl. 5. LABORATORIOS CINFA, S.A.
- 272442** (2542) Cl. 9 42. Varadis Limited
- 272444** (2542) Cl. 35 44. Hugh Mc Allister
- 272451** (2542) Cl. 25. Serena Farrell
- 272459** (2542) Cl. 43. Drury Leisure Investment Limited
- 272470** (2542) Cl. 44. Dr Patrick Feeney
- 272473** (2542) Cl. 27. Tri Commercial Ventures Limited
- 272481** (2542) Cl. 9 39 43. Miles-Bramwell Executive Services Limited
- 272500** (2543) Cl. 10 21. STALLION LIMITED
- 272501** (2543) Cl. 25 35. Premium Plug Co Limited
- 272502** (2543) Cl. 25 35. Off Peak Co Limited
- 272504** (2543) Cl. 30. Dunhills (Pontefract) Plc
- 272505** (2543) Cl. 43. Barnat Ltd.
- 272506** (2543) Cl. 43. Locks CKP Ltd.
- 272507** (2543) Cl. 41. Board of Management of Coláiste Bríde

272508	(2543) Cl. 41. Board of Management of Coláiste Bríde	114216	Cl. 33. MHCS
272513	(2543) Cl. 10. Shaun Louis Connors	114221	Cl. 9. KYOCERA AVX COMPONENTS CORPORATION
272515	(2543) Cl. 35. ATCHORI JEAN-ERIC	115090	Cl. 11. AMTROL LICENSING INC.
272517	(2543) Cl. 9 36 42. James Kirwan	115300	Cl. 9. Arai Helmet Ltd
272519	(2543) Cl. 24 25 27 35. Donegal Tweed Weavers Association Limited	115555	Cl. 33. Sorevi (Societe Reunie Des Vins)
272522	(2543) Cl. 14. Andre Pokrant	116651	Cl. 10. B. BRAUN MELSUNGEN AG
272523	(2543) Cl. 9 16 35 36 38 41 42 45. Channel Four Television Corporation	117698	Cl. 30. PLADIS (UK) LIMITED
272540	(2543) Cl. 35 41. MAGCAS Ltd	229967	Cl. 30. MR. BERNARD COYLE
272542	(2543) Cl. 43. JIA ZHOU LIMITED	231452	Cl. 30. QUALITY IRISH FOOD LIMITED T/A MR. CRUMB
272546	(2543) Cl. 43. Noelle McCarthy	231843	Cl. 36. The Governor and Company of the Bank of Ireland (established in Ireland by Charter in 1783 and having limited liability) doing business as Bank of Ireland Group
272547	(2543) Cl. 14. John Harrison	232709	Cl. 31. LIDL STIFTUNG & Co. KG
272548	(2543) Cl. 42. IMEP Intelligent MEP Design Consultancy Limited	232851	Cl. 31. WILLIAM CONNOLLY & SONS
272555	(2543) Cl. 29. YOPLAIT MARQUES	232948	Cl. 19. BMI Group UK Ltd.
272556	(2543) Cl. 32. Mary O Sullivan	233007	Cl. 25. JACKANDJADE LIMITED
272559	(2543) Cl. 9 16 25 41. The Educena Foundation CLG	233594	Cl. 19. BMI Group UK Ltd.
272560	(2543) Cl. 9 16 25 41. The Educena Foundation CLG	253738	Cl. 10, Cl. 35, Cl. 41, Cl. 44. Sonova Holding AG
272562	(2543) Cl. 37. Anthony Murphy	253781	Cl. 9, Cl. 25, Cl. 35, Cl. 36. RETAIL ROYALTY COMPANY
272563	(2543) Cl. 4 9 35 36 37 38 39 40 41 42 45. FUEL CARD SERVICES LIMITED	253787	Cl. 33. Pernod Ricard Winemakers Pty Ltd
272565	(2543) Cl. 41 45. Pivotal Presence Limited	253818	Cl. 9, Cl. 35, Cl. 39, Cl. 42, Cl. 45. Beijing Xiaoju Technology Co., Ltd.
272568	(2543) Cl. 42 44. SAXONVALE LIMITED	253844	Cl. 35. Waterstones Booksellers Limited
272575	(2543) Cl. 35 41 44 45. Studio35 Health, Wellness and Fitness Limited	253855	Cl. 9, Cl. 35, Cl. 39, Cl. 42, Cl. 45. Beijing Xiaoju Technology Co., Ltd.
272578	(2543) Cl. 7 12. JIANGLING MOTORS CO., LTD.	253907	Cl. 29, Cl. 30, Cl. 39, Cl. 43. Azzurri Central Limited
272579	(2543) Cl. 3. Chanel Limited	254129	Cl. 5. GEDEON RICHTER PLC.
272580	(2543) Cl. 7. JIANGLING MOTORS CO., LTD.	254278	Cl. 9, Cl. 16, Cl. 36, Cl. 41. THE ROYAL LONDON MUTUAL INSURANCE SOCIETY LIMITED
272581	(2543) Cl. 34. IMPERIAL TOBACCO LIMITED	254462	Cl. 5, Cl. 9, Cl. 16, Cl. 18, Cl. 25, Cl. 28, Cl. 32, Cl. 41, Cl. 43. Pure Gym Limited
272586	(2543) Cl. 25. Rebecca Hogan	255362	Cl. 4, Cl. 7, Cl. 39, Cl. 40. BUDGET ENERGY LIMITED
		255610	Cl. 40, Cl. 42. Tyrconnell 3D Printing Solutions Limited
		255899	Cl. 6. Pak-Pro Limited
		256940	Cl. 35, Cl. 36. BlackRock Finance, Inc.
		257400	Cl. 9. SurfAccounts Limited
		257466	Cl. 31, Cl. 44. CATTLE HEALTH CERTIFICATION STANDARDS (UK)
		257915	Cl. 4. BUDGET ENERGY LIMITED
		263819	Cl. 42, Cl. 45. Twitter, Inc.

Renewal of Registrations Under Section 48 of the 1996 Act

48150	Cl. 30. T&L Sugars Limited
48183	Cl. 10, Cl. 12, Cl. 17, Cl. 21, Cl. 28. Continental Reifen Austria GmbH
49033	Cl. 27. POLYFLOR LIMITED
66752	Cl. 3, Cl. 21. Colgate-Palmolive Company
67119	Cl. 5. Heraeus Medical GmbH
78161	Cl. 28. Puma SE
78163	Cl. 5. ASPEN GLOBAL INCORPORATED
112658	Cl. 9. Benetton Group S.r.l.
113517	Cl. 29, Cl. 30. CTO HOLDINGS LIMITED

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

65993	Cl. 5. 18 August 2025. GLAXO GROUP LIMITED	232456	Cl. 11. 15 August 2025. Bath & Body Works Brand Management, Inc
66048	Cl. 1. 25 August 2025. DDP Specialty Electronic Materials US, Inc.	232480	Cl. 41. 16 August 2025. ANN KILGALLON
66243	Cl. 19. 25 August 2025. DDP Specialty Electronic Materials US, Inc.	232503	Cl. 4. 21 August 2025. PURSER TARLETON RUSSELL LTD
66342	Cl. 19. 25 August 2025. DDP Specialty Electronic Materials US, Inc.	232511	Cl. 5. 14 August 2025. BRISTOL-MYERS SQUIBB COMPANY
67253	Cl. 33. 22 August 2025. RICHELIEU ET CIE (EXPORTERS) LIMITED	232513	Cl. 36. 21 August 2025. THE BANK OF N.T. BUTTERFIELD & SON LIMITED
67484	Cl. 17. 25 August 2025. DDP Specialty Electronic Materials US, Inc.	232514	Cl. 9, Cl. 25, Cl. 28. 21 August 2025. SDI (Wigan) IP Limited
67598	Cl. 5. 22 August 2025. Hoechst GmbH	232526	Cl. 5. 22 August 2025. SANOFI
76886	Cl. 34. 17 August 2025. Philip Morris Brands Sàrl	232533	Cl. 9, Cl. 41. 03 August 2025. Damian O'Regan
77463	Cl. 30. 06 August 2025. WM. WRIGLEY JR. COMPANY	232539	Cl. 31. 29 August 2025. ARRABAWN CO-OPERATIVE SOCIETY LIMITED
77793	Cl. 11. 30 August 2025. Baxi Heating UK Limited	232545	Cl. 5. 25 August 2025. PINWOOD LABORATORIES LIMITED
78369	Cl. 32. 06 August 2025. OLD KENTUCKY RESTAURANTS LIMITED	232552	Cl. 25. 30 August 2025. Aubrey Woolfson
78408	Cl. 1. 24 August 2025. Cognis IP Management GmbH	232553	Cl. 32. 31 August 2025. All Sport, LLC
79234	Cl. 23. 24 August 2025. Mitsubishi Chemical Corporation	232555	Cl. 12. 31 August 2025. SSANGYONG MOTOR COMPANY
112501	Cl. 5. 09 August 2025. Bristol-Myers Squibb Company	232558	Cl. 5, Cl. 10. 01 August 2025. LifeScan IP Holdings LLC
113153	Cl. 1. 07 August 2025. Siemens Healthcare Diagnostics Inc.	232598	Cl. 16, Cl. 36. 09 August 2025. EAGLE STAR LIFE ASSURANCE COMPANY OF IRELAND LIMITED
114141	Cl. 8. 06 August 2025. The Gillette Company LLC	232601	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited
114496	Cl. 5. 06 August 2025. BASF SE	232615	Cl. 5. 08 August 2025. Daiichi Sankyo Company, Limited
114675	Cl. 5. 16 August 2025. Misto Luxembourg Sarl	232638	Cl. 5. 24 August 2025. PINWOOD LABORATORIES LIMITED
114676	Cl. 5. 16 August 2025. Misto Luxembourg Sarl	232710	Cl. 41. 04 August 2025. RADIO TELEFIS EIREANN
115242	Cl. 14. 06 August 2025. KOLBER S.A.	232711	Cl. 41. 04 August 2025. RADIO TELEFIS EIREANN
117018	Cl. 25. 02 August 2025. C&A AG	232712	Cl. 41. 04 August 2025. RADIO TELEFIS EIREANN
117313	Cl. 30. 20 August 2025. FERRERO S.p.A.	232763	Cl. 29. 10 August 2025. Pilgrim's Food Masters Ireland Limited
119003	Cl. 30. 28 August 2025. T&L Sugars Limited	232807	Cl. 41, Cl. 43. 03 August 2025. GERALDINE O'REILLY
123086	Cl. 14. 06 August 2025. RAYMOND WEIL S.A.	232912	Cl. 35, Cl. 36. 01 August 2025. ARK FINANCE LIMITED
232397	Cl. 33. 01 August 2025. GALATEA INVESTMENTS (PTY) LTD	232913	Cl. 35, Cl. 36. 01 August 2025. ARK FINANCE LIMITED
232454	Cl. 9, Cl. 37, Cl. 38, Cl. 42. 15 August 2025. BITBUZZ LIMITED	232980	Cl. 41, Cl. 44, Cl. 45. 30 August 2025. GARY REDMOND
		233107	Cl. 44. 07 August 2025. MICHAEL GEANEY
		233266	Cl. 3, Cl. 5, Cl. 29. 24 August 2025. DOMINIC GALVIN
		233431	Cl. 29. 10 August 2025. Kerry Luxembourg S.à.r.l.

233498	Cl. 3. 09 August 2025. Colgate-Palmolive Company	253530	Cl. 9, Cl. 42, Cl. 43. 08 August 2025. IMP Limited
233499	Cl. 3. 09 August 2025. COLGATE-PALMOLIVE COMPANY	253533	Cl. 44. 10 August 2025. Bronze NI Limited
233500	Cl. 3. 09 August 2025. COLGATE-PALMOLIVE COMPANY	253534	Cl. 16, Cl. 20. 07 August 2025. John Cleary C/o The Quality Framing Company
233501	Cl. 3. 09 August 2025. Colgate-Palmolive Company	253535	Cl. 41. 11 August 2025. Laura Halligan
233743	Cl. 30. 04 August 2025. Mondelez International AMEA Pte. Ltd.	253536	Cl. 45. 10 August 2025. Shannon Airport Authority plc
233829	Cl. 30. 04 August 2025. Mondelez International AMEA Pte. Ltd.	253538	Cl. 35, Cl. 41, Cl. 43. 10 August 2025. WINE POINT LIMITED
233904	Cl. 35, Cl. 42. 09 August 2025. T4 MEDIA LIMITED	253539	Cl. 11. 11 August 2025. Ideal Standard International BVBA
234634	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253540	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
234812	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253541	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
235044	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253542	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
235935	Cl. 9, Cl. 16, Cl. 25, Cl. 35. 11 August 2025. The Stepstone Group Ireland Recruit Limited	253543	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
241284	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253544	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
241285	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253545	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
241286	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253546	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
241287	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253547	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
241288	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253548	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
241301	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253549	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
241302	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253551	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
241304	Cl. 9, Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253552	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
248446	Cl. 38, Cl. 41, Cl. 42. 23 August 2025. O2 Worldwide Limited	253553	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
253203	Cl. 21, Cl. 44. 26 August 2025. SAM JORDAN AND HOUSE OF COCO LTD	253554	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
253382	Cl. 21, Cl. 44. 26 August 2025. MISS AND CO LTD	253556	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
253505	Cl. 16, Cl. 41, Cl. 44. 04 August 2025. Velinor AG	253557	Cl. 33. 05 August 2025. Arderin Distillery Limited
253514	Cl. 26, Cl. 41, Cl. 44. 05 August 2025. All Dolled Up Ltd	253559	Cl. 30. 06 August 2025. Bia GanBreise Teo.
253517	Cl. 30. 06 August 2025. Bia GanBreise Teo.	253560	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
253518	Cl. 28. 06 August 2025. Dermot Kemple	253561	Cl. 5. 12 August 2025. Gilead Sciences Ireland UC
253523	Cl. 18, Cl. 25, Cl. 35. 07 August 2025. HEILAN HOME CLOTHING CO., LTD.	253562	Cl. 35, Cl. 42. 12 August 2025. Ciaran Kennedy
		253563	Cl. 35. 11 August 2025. Jacinta Kelly

253564	Cl. 14, Cl. 41. 12 August 2025. Katie Hughes	253626	Cl. 35. 26 August 2025. Stuart McNamara
253565	Cl. 20. 12 August 2025. Moorefield Contracts Ltd	253627	Cl. 30. 26 August 2025. Tony Divito
253566	Cl. 32. 13 August 2025. Tropicana Products, Inc.	253628	Cl. 33. 26 August 2025. Bodega Norton S.A.
253569	Cl. 39. 12 August 2025. Haroon Khan	253630	Cl. 36. 06 August 2025. The National Guild of Master Craftsmen Limited
253575	Cl. 16, Cl. 42. 14 August 2025. Vanesa Lenti Bautista	253631	Cl. 44. 26 August 2025. Dr Joseph Bonner
253576	Cl. 5, Cl. 21, Cl. 25, Cl. 43. 14 August 2025. Katherine Surgenor t/a FitGods	253639	Cl. 30. 28 August 2025. Jennifer Helen Gleeson
253577	Cl. 11. 08 August 2025. Bronze NI Limited	253640	Cl. 9, Cl. 42. 18 August 2025. FAZ Technology Ltd.
253580	Cl. 11. 17 August 2025. Noel Cahill	253641	Cl. 7. 20 August 2025. Embraco Indústria de Compressores e Soluções em Refrigeração Ltda.
253581	Cl. 19, Cl. 37. 17 August 2025. AmbiHouse Limited	253642	Cl. 43. 28 August 2025. Ciannella Limited
253583	Cl. 9. 10 August 2025. Karla Cristina Munoz Esquivel	253643	Cl. 7. 20 August 2025. Embraco Indústria de Compressores e Soluções em Refrigeração Ltda.
253586	Cl. 18, Cl. 25, Cl. 35. 07 August 2025. HEILAN HOME CLOTHING CO., LTD.	253644	Cl. 5. 20 August 2025. MARTIN O'MAHONY
253590	Cl. 9, Cl. 35, Cl. 39, Cl. 42, Cl. 43. 14 August 2025. IMP Limited	253650	Cl. 1. 27 August 2025. Brandon Products Ltd
253591	Cl. 25. 18 August 2025. BAILIN YOU	253651	Cl. 10. 31 August 2025. ATLANTIC THERAPEUTICS LIMITED
253592	Cl. 36. 18 August 2025. Motor Distributors Limited	253652	Cl. 25. 31 August 2025. Thomas Boyle
253593	Cl. 2, Cl. 37, Cl. 42. 18 August 2025. Akzo Nobel Coatings International B.V.	253654	Cl. 32, Cl. 43. 07 August 2025. The Local Kitchen
253594	Cl. 32, Cl. 33. 18 August 2025. Schweppes International Limited	253656	Cl. 9. 01 September 2025. Gary Byrnes
253595	Cl. 32, Cl. 33. 18 August 2025. Schweppes International Limited	253663	Cl. 44. 31 August 2025. JOHN HEENEY
253597	Cl. 18, Cl. 25, Cl. 35. 07 August 2025. HEILAN HOME CLOTHING CO., LTD.	253667	Cl. 41, Cl. 44. 01 September 2025. Caitriona NicGhiollaphadraig
253599	Cl. 43. 19 August 2025. Garavans Limited t/a Garavans	253670	Cl. 9, Cl. 37, Cl. 45. 25 August 2025. Action Security Systems
253601	Cl. 32. 19 August 2025. Howth Beer ltd.	253672	Cl. 36. 01 September 2025. MICHAEL TIMMONS
253603	Cl. 43. 19 August 2025. Scrumdiddly's	253674	Cl. 44. 01 September 2025. GOOMBA LIMITED
253604	Cl. 41, Cl. 42, Cl. 44. 19 August 2025. Kerry Group Services International Limited	253703	Cl. 41. 01 September 2025. MÁIRTÍN DAVY O' COISDEALBHA
253606	Cl. 39, Cl. 43. 20 August 2025. Benedetto Macari	253706	Cl. 14, Cl. 25, Cl. 35, Cl. 36. 28 August 2025. DON NUGENT
253607	Cl. 30, Cl. 39, Cl. 43, Cl. 45. 19 August 2025. IMP Limited	253740	Cl. 9. 14 August 2025. Rivave Limited
253608	Cl. 41. 20 August 2025. Blackwater Community School	253745	Cl. 3. 01 September 2025. COLGATE-PALMOLIVE EUROPE SÀRL
253610	Cl. 9. 19 August 2025. Justin Kearns	253850	Cl. 29. 17 August 2025. Aldi Stores (Ireland) Limited
253613	Cl. 42, Cl. 44. 20 August 2025. Leanne Cullen	253906	Cl. 29, Cl. 30, Cl. 39, Cl. 43. 28 August 2025. Azzurri Central Limited
253616	Cl. 9. 24 August 2025. Carl JOUFFROY	253908	Cl. 29, Cl. 30, Cl. 39, Cl. 43. 28 August 2025. CDM Trading Limited
253618	Cl. 32. 25 August 2025. Leo Mansfield	253958	Cl. 43. 28 August 2025. getfood limited
253619	Cl. 41. 25 August 2025. Jason McGee	254098	Cl. 11, Cl. 16, Cl. 20, Cl. 21, Cl. 35. 20 August 2025. Uppercross Enterprises Limited
253624	Cl. 16, Cl. 40, Cl. 42. 26 August 2025. Willoughby Press Limited T/A Damn Fine Print		

254193	Cl. 16, Cl. 38, Cl. 41. 24 August 2025. Flutter Entertainment plc
254216	Cl. 9, Cl. 16, Cl. 35, Cl. 38, Cl. 41. 13 August 2025. SHARINGBOX
255498	Cl. 6. 26 August 2025. Conex IPR Limited
256700	Cl. 35, Cl. 36. 26 August 2025. Oldfield Partners LLP
256873	Cl. 9, Cl. 11, Cl. 35, Cl. 41. 20 August 2025. BEAMON LIMITED
256929	Cl. 9, Cl. 16, Cl. 29, Cl. 30, Cl. 31, Cl. 32, Cl. 33, Cl. 35, Cl. 41, Cl. 44. 10 August 2025. Miles-Bramwell Executive Services Limited

Trade Marks Removed from the Register under Section 48 and Rule 39(2) of the 1996 Act and Rules.

46112	Cl. 3. TCP HOT IP LLC
46149	Cl. 34. GALLAHER LIMITED
46152	Cl. 34. Philip Morris Products S.A.
65347	Cl. 3. Unilever Global IP Limited
68499	Cl. 3. PZ CUSSONS (INTERNATIONAL) LIMITED
76502	Cl. 5. Systagenix Wound Management, Limited
76791	Cl. 9. Citizen Tokei Kabushiki Kaisha also trading as Citizen Watch Co., Ltd.
76840	Cl. 5. Dechra Veterinary Products A/S
76980	Cl. 7. Crowley Services (Ireland) Limited
76981	Cl. 7. Crowley Services (Ireland) Limited
77081	Cl. 5. DECHRA LIMITED
77685	Cl. 29. Princes Holding (Rotterdam) B.V.
110432	Cl. 3. TCP HOT IP LLC
110608	Cl. 5. Actavis Group PTC ehf
110885	Cl. 5. B. BRAUN MELSUNGEN AG
110891	Cl. 3. Unilever Global IP Limited
111021	Cl. 19. AKZO NOBEL COATINGS INTERNATIONAL B.V.
111162	Cl. 2. PAUL ANDERSEN
111286	Cl. 34. Papastratos Cigarette Manufacturing Co.
111506	Cl. 19. Birtley Group Limited
111543	Cl. 5. Merck Sharp & Dohme Corp.
112556	Cl. 10. BECTON, DICKINSON AND COMPANY
113041	Cl. 3. Straub GmbH
118375	Cl. 3. GlaxoSmithKline Consumer Healthcare (UK) IP Limited

231179	Cl. 25. ALDI STORES (IRELAND) LIMITED
231206	Cl. 3. Mars Foods Ireland Limited
231237	Cl. 5. BRISTOL-MYERS SQUIBB COMPANY
231274	Cl. 3. ALBERTO-CULVER INTERNATIONAL, INC.
231287	Cl. 29, 30. LIDL STIFTUNG & Co. KG
231290	Cl. 30. LIDL STIFTUNG & Co. KG
231292	Cl. 30. LIDL STIFTUNG & Co. KG
231300	Cl. 30. LIDL STIFTUNG & Co. KG
231305	Cl. 29, 30. LIDL STIFTUNG & Co. KG
231306	Cl. 29, 30. LIDL STIFTUNG & Co. KG
231310	Cl. 29, 30. LIDL STIFTUNG & Co. KG
231351	Cl. 3, 5. Kenvue Inc.
231377	Cl. 20. MICHAEL BRENNAN and SEAN BROWNE
231379	Cl. 4, 6, 11, 14, 20, 21. MICHAEL BRENNAN and SEAN BROWNE
231397	Cl. 3, 5. Kenvue Inc.
231408	Cl. 5. McDERMOTT LABORATORIES LIMITED, trading as GERARD LABORATORIES
231410	Cl. 9. Sky Limited
231443	Cl. 3. Victoria's Secret Stores Brand Management, LLC.
231453	Cl. 5. Bristol-Myers Squibb Holdings Ireland Unlimited Company
231478	Cl. 16, 41. Bristol-Myers Squibb Holdings Ireland Unlimited Company
231482	Cl. 16, 18, 21, 25, 28, 36, 41. IRISH HEART FOUNDATION
231513	Cl. 5. BRISTOL-MYERS SQUIBB COMPANY
231594	Cl. 9, 11, 12, 18, 25, 28. SDI (Wigan) IP Limited
231595	Cl. 11, 12, 28. SDI (Wigan) IP Limited
231596	Cl. 9, 18. SDI (Wigan) IP Limited
231598	Cl. 32. CELTIC PURE
231601	Cl. 5. BRISTOL-MYERS SQUIBB COMPANY
231681	Cl. 11. SAMSUNG ELECTRONICS CO., LTD
231718	Cl. 10. JOHNSON & JOHNSON
231742	Cl. 29. Kerry Group Services International Limited
231743	Cl. 29. Kerry Group Services International Limited
231800	Cl. 5. Alcon Inc.
231833	Cl. 41. BALLYFERMOT COLLEGE OF FURTHER EDUCATION
231913	Cl. 1, 2. DYCON LTD
232000	Cl. 29, 30. MARLOW FOODS LIMITED
232034	Cl. 3, 25. HENKEL AG & CO. KGaA

232075	Cl. 9, 11, 12, 25, 28. SDI (Wigan) IP Limited	252402	Cl. 41. Kincaid Stringer
232080	Cl. 9, 42. Micro Focus IP Development Limited	252409	Cl. 35. Tsunami Training Ltd
232152	Cl. 11, 12. SDI (Wigan) IP Limited	252414	Cl. 19, 20, 22. Jon McGowan
232155	Cl. 12. SDI (Wigan) IP Limited	252416	Cl. 35, 42. Kerry Group Services International Limited
232245	Cl. 35. STEPHEN MOORE	252417	Cl. 41. Connect with Language
232336	Cl. 5, 31. LIVESTOCK IMPROVEMENT CORPORATION LIMITED	252429	Cl. 5. Donal Duggan
232430	Cl. 9, 42. Micro Focus IP Development Limited	252430	Cl. 5. Donal Duggan
232779	Cl. 9, 12, 18, 25, 28. SDI (Wigan) IP Limited	252432	Cl. 14. Marion Fink
232972	Cl. 3. Victoria's Secret Stores Brand Management, LLC.	252435	Cl. 5, 29, 30. N.V. NUTRICIA
233142	Cl. 28. SDI (Wigan) IP Limited	252437	Cl. 14. DAVID BUCKLEY
233314	Cl. 9, 11, 12, 18, 28. SDI (Wigan) IP Limited	252449	Cl. 25. Kevin McGrath
235282	Cl. 3, 5, 21. Unilever Global IP Limited	252451	Cl. 11, 43. Richard Burdon
239942	Cl. 16, 21, 25, 32. Britvic Soft Drinks Limited	252453	Cl. 26, 44. Jessica Kidd
240970	Cl. 12. NISSAN JIDOSHA KABUSHIKI KAISHA (ALSO TRADING AS NISSAN MOTOR CO., LTD.)	252458	Cl. 5. Zoetis Services LLC
242755	Cl. 25, 35. CNS Group A/S	252467	Cl. 29, 30, 31, 32, 33. Musgrave Limited
243218	Cl. 9, 16, 38, 41. Sky Limited	252474	Cl. 35. David Smyth
252316	Cl. 29, 30. Aldi Stores (Ireland) Limited	252478	Cl. 21. The Shamrock Gift Company (Trading House)
252318	Cl. 16, 39, 41. Waterford City & County Council	252479	Cl. 29, 30, 35. BoPro
252322	Cl. 41. Emma Smith	252482	Cl. 30. John Kavanagh
252323	Cl. 41. BAUER MEDIA AUDIO IRELAND LP	252484	Cl. 36. McGivern Flynn
252325	Cl. 9, 42. Brian Manning	252485	Cl. 33. Sean Watchorn
252326	Cl. 40. Gerard McDonnell	252492	Cl. 30. Katjes Fassin GmbH & Co. KG
252327	Cl. 41. Wicklow Brewery	252493	Cl. 3, 5. Donal Duggan
252332	Cl. 39. Care Cabs Limited	252496	Cl. 41. William Tolan
252336	Cl. 16. Independent Newspapers (Ireland) Limited	252505	Cl. 3. COLGATE-PALMOLIVE COMPANY
252337	Cl. 5. Interchem (Ireland) Limited	252510	Cl. 17. Martin McCloskey
252339	Cl. 35. Maryrose Simpson	252514	Cl. 9, 35, 42. Analytical Medical Insight Limited
252348	Cl. 32. BARRY COULTER	252520	Cl. 30. Katjes Fassin GmbH & Co. KG
252349	Cl. 35. EZLiving Furniture	252652	Cl. 11, 37. Mr. Gideon Stewan Kukard
252351	Cl. 35, 38. Esmark Finch Ltd	252665	Cl. 33. BT WINES LTD.
252361	Cl. 36. irogon limited	252666	Cl. 33. BT WINES LTD.
252363	Cl. 5. Duggan Veterinary	252754	Cl. 9, 28, 35, 39, 41, 43, 45. Upskill Online Limited t/a Olive Media
252365	Cl. 1. GOULDING SOIL NUTRITION LIMITED	252884	Cl. 29. NORMA DINNEEN LTD
252369	Cl. 6, 19, 41. DONAL BYRNE	252895	Cl. 9, 35, 38, 45. Jorge Valle
252370	Cl. 20, 21. ALUMNI DESIGNS LTD.	252913	Cl. 11, 37. Novatus Ltd.
252372	Cl. 35. MICHAEL HEALY	252992	Cl. 6, 7, 8, 11, 20, 21. Meyer Intellectual Properties Limited
252373	Cl. 16, 28, 41. EIRCODELOTTERY LIMITED	253012	Cl. 30. LEE OWENS
252388	Cl. 39. Mulranny Park Hotel	253077	Cl. 18, 25. PORTFOLIO AGENCIES
252389	Cl. 9, 41. Maurice Brennan	253107	Cl. 9, 25. Irish Atlantic Attire
252395	Cl. 35, 38, 45. Jorge Valle	253307	Cl. 32, 35, 38. Portfolio Concentrate Solutions Unlimited Company
		253350	Cl. 29, 30. Birds Eye Pizza Limited
		253351	Cl. 29, 30. Birds Eye Pizza Limited
		253468	Cl. 9. Martina Walsh
		253498	Cl. 43. Colum Hanley
		253851	Cl. 41. TERESA HAND-CAMPBELL
		253948	Cl. 37, 39, 40, 42, 45. Jason Coogan
		254201	Cl. 6, 11. South Coast Sales
		257020	Cl. 4, 16, 29, 30, 31, 32, 35, 37, 43. Circle K Ireland Holding Limited

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

267074 Cl. 36 37. Pembroke Beach DAC

A representation of the mark in its altered form was
advertised in Journal No: 2468



GLASSBOTTLE

**Trade Marks Restored to the
Register under Rule 40 of the
1996 Rules**

229967 Cl. 30. MR. BERNARD COYLE.

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.

KRUPNIK

0755690 14/06/2024

Class 33. Alcoholic spirits (beverages).

PREMIUM DISTILLERS Sp. z o.o., ul.
Krakowiaków 48, PL-02-255 Warszawa, Poland

Representative: KULIKOWSKA &
KULIKOWSKI SP. K., Ul.
Nowogrodzka 47A, PL-00-695
Warsaw, Poland

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



1580569 15/07/2020

Class 9. Scientific, nautical,
surveying, photographic,

cinematographic apparatus
and instruments, optical
apparatus and instruments for
weighing, measuring,
signaling, checking
(supervision), life-saving and
teaching apparatus and
instruments, apparatus for
controlling, switching,
transforming, accumulating,
regulating or controlling of
electric current, apparatus for
sound or image recording,
conversion, transmission or
reproduction, magnetic data
media, optical data media,
recording discs, SD cards,
micro SD cards, USB flash
drives, memory cards, hard
drives, mechanisms for coin-
operated apparatus,
calculating machines, data-
processing equipment and
computers, sound and image
transmitting apparatus,
telecommunications
apparatus, mobile
telecommunications
apparatus, mobile
telecommunications handsets,
computer hardware, computer
software, downloadable
computer software,
multimedia applications,
PDA (personal digital
assistant), pocket PCs, mobile
telephones, laptops,
telecommunications network
devices, control software for
telecommunications networks

	and telecommunications devices, video recorders, cameras, MP3 and MP4 players, electronic publications (downloadable), periodicals in electronic form, electronic databases and databases products, information and data in electronic form, information and data and database information products on carriers or in electronic, data, information, computer and communication networks of all kinds, covers for smartphones and computers, protective films and cases adapted for smartphones and computers, parts and accessories for all the aforesaid goods falling within this Class.	
Class 16.	Printed matter, labels, printed forms, brochures, printed catalogues, printed manuals, printed reference, user and other manuals, printed instructions for use and other documentation for computer, telecommunication and other technical equipment and apparatus.	advertising, business intermediary services- advertising, publicity and promotional activities, business management assistance, business administration, office work, retail and wholesale services, online retail and wholesale services and intermediation in connection with scientific, nautical, surveying, photographic, cinematographic apparatus and instruments, optical apparatus and instruments for weighing, measuring, signaling, checking (supervision), life-saving and teaching apparatus and instruments, apparatus for controlling, switching, transforming, accumulating, regulating or controlling of electric current, apparatus for sound or image recording, conversion, transmission or reproduction, magnetic data media, optical data media, recording discs, SD cards, micro SD cards, USB flash drives, memory cards, hard drives, mechanisms for coin-operated apparatus, calculating machines, data-processing equipment and computers, sound and image transmitting apparatus, telecommunications apparatus, mobile telecommunications apparatus, mobile telecommunications handsets, computer hardware, computer software, downloadable computer software, multimedia applications, PDA (personal digital assistant), pocket PCs, mobile telephones, laptops, telecommunications network devices, control software for telecommunications networks and telecommunications devices, video recorders, cameras, MP3 and MP4
Class 35.	Advertising, advertisement and promotional activities, marketing, sale of advertising time to advertisers, provision of information and other information products of commercial or advertising character, advertising, marketing and promotional services related to mobile, computer, communication, chat, voice and/or video transmission, streaming, television applications and platforms via the Internet; retail and wholesale services related to mobile, computer, communication, chat, voice and/or video transmission, streaming, television applications and platforms via the Internet, on-line	

- players, electronic publications (downloadable), periodicals in electronic form, electronic databases and databases products, information and data in electronic form, information and data and database information products on carriers or in electronic, data, information, computer and communication networks of all kinds, covers for smartphones and computers, protective films and cases adapted for smartphones and computers, parts and accessories for all the aforesaid goods; computerized data processing, systematization of information into computer databases, market research and market analysis, promotional services provided by electronic means, including by means of Internet search engines, consultancy in the field of Internet marketing, rental of advertising space, dissemination of advertising matter, opinion polling, collection, classification, updating and arrangement of data, administration and operation of databases with marketing information, providing business information, including via the Internet, cable or other forms of data transmission, information, consultancy and advisory services in relation to the aforesaid services in this class, services of information brokers and other professional information providers, in particular in the field of market research and product research for others; intermediation in the field of telecommunications.
- Class 36. Banking, factoring, financing services, hire-purchase financing, financial analysis, financial evaluation (insurance, banking, real estate), financial information, financial consultancy, financial management, financial sponsorship, financial clearing houses, financial clearing, mortgage banking, investment of funds, capital investment, brokerage services, stocks and bonds brokerage, securities brokerage, online banking, insurance consultancy, providing financial information via a website, providing rebates at participating establishments of others through use of a membership card, loans (financing), installment loans, lending against security, financial research, insurance underwriting, fire insurance underwriting, accident insurance underwriting, health insurance underwriting, life insurance underwriting, surety services, insurance brokerage.
- Class 37. Execution of industrial, engineering, residential and civil works, construction, assembly, maintenance, repair and revisions of telecommunication, radio communication and data machines and equipment, service for domestic and foreign telecommunication and other equipment, installation, assembly, maintenance, repair and revisions of electrical machinery, apparatus and equipment, installation, assembly, maintenance, repair and revisions of measuring and control equipment.
- Class 38. Wireless broadcasting, electronic bulletin board services (telecommunication services), information about telecommunications, communication by fiber optic

networks, communication by cellular phones, communication by computer terminals, online transmission of greeting cards online, paging (radio, telephone or other means of electronic communication), providing Internet chatrooms, providing online forums, providing access to databases, providing telecommunications connections to a global computer network, providing telecommunications channels for teleshopping services, providing user access to global computer networks, rental of access time to global computer networks, rental of fax, machines, rental of modems, rental of message transmission equipment, rental of telephones, rental of telecommunications equipment, digital file transmission, electronic mail transmission, facsimile transmission, telegram transmission, video on demand transmission, computer-aided transmission of messages and images, radio communication, radio broadcasting, satellite transmission, voice mail services, news agency services, telecommunications routing and junction services, streaming of data, communication by telephone, telephone services, communication by telegraph, telegraph services, teleconferencing services, television broadcasting, telex services, videoconferencing services, cable television broadcasting, messaging, communications (telecommunications), network services, mobile telecommunications services, telecommunications portal services, providing access to

portals on the Internet, mobile telecommunications network services, mobile telecommunications and data services, fixed line telecommunications services, broadband telecommunications access services, broadband services, broadcasting services, television broadcasting services, broadcasting services relating to IP/ TV or based on IP/TV, IP/TV access services, Internet access services, services of e-mail, text and multimedia messages, services relating to the provision of access to computer networks, in particular the assurance, provision and rental of access time to data networks and databases, in particular to the Internet, the provision of access to computer databases and communication services relating thereto, ancillary, supportive and assistance services in the field of telecommunications and telecommunications equipment, operation of networks, especially telecommunications and data networks, expert advisory and consultancy services in the field of telecommunications and data services, planning and design services in the field of telecommunications equipment, information, consultancy and advisory services in relation to the aforesaid services in this class, rental of telecommunications apparatus, rental of apparatus for data transfer.

Class 41. Publishing, education and training, training services, entertainment, sports and cultural activities, interactive entertainment services, electronic and computer

	games services provided via any communication networks, entertainment and information services relating to the aforesaid services provided via telecommunications networks, news reporters services, television services, television services provided via the Internet Protocol technology including IP/TV, television and IP/TV entertainment, information and advisory services relating to the aforesaid services, information, consultancy and advisory services relating to the aforesaid services in this class.	services, telecommunications technology consultancy, data security consultancy, computer security consultancy, providing information on computer technology and programming via a website, providing of outsource services in the field of information technology, rental of computer software, rental of computers and data processing equipment, rental of web servers, surveying, providing search engines for the Internet, server hosting, monitoring of computer systems for detecting unauthorized access or data breach, monitoring of computer systems to detect breakdowns, software as a service (SaaS), computer software design, computer system design, maintenance of computer software, development of computer platforms, software development in the framework of software publishing, research in the field of telecommunications technology, monitoring of computer systems by remote access, scientific and technological services and research and development relating thereto, industrial analysis and research, research in the field of telecommunications, data services and telecommunication technology, designing, development and analysis of computer, telecommunication and data systems, rental of computers, telecommunication and data processing apparatus and installations, monitoring of telecommunication and data systems, technical consulting services in the field of information technology research, computer
Class 42.	Development of databases, updating of computer software, computer system analysis, cloud computing, digitization of documents (scanning), electronic monitoring of personally identifying information to detect identity theft via the Internet, electronic monitoring of credit card activity to detect fraud via the Internet, off-site data backup, graphic design of promotional materials, hosting computer sites (web sites), installation of computer software, conversion of computer programs and data other than physical conversion, duplication of computer programs, recovery of computer data, unlocking of smartphones, platform as a service (PaaS), computer programming, information technology (IT) consultancy, Internet security consultancy, consultancy in the design and development of computer hardware, web site design consultancy, computer software consultancy, computer technology consultancy, data encryption	

technology and data technology, engineering services in the field of information, telecommunications and data technology, design and development of computer hardware and software, information technology [IT] consultancy services, computer programming services, recovery of computer data, consultancy in the design and development of computer hardware; computer software consultancy; backup and copying services of computer programs, rental of computers, design, development and creation of computer software, installation and maintenance of computer software, updating of computer software, rental of computer software and hardware, conversion of data or documents from physical to electronic media, conversion of data and computer programs (not physical conversion), creating and maintaining websites for others, hosting computer sites [web sites], consultancy and advisory services relating to the aforesaid services in this class.

Priority Date Claimed: 13 July 2020 Czech Republic
CETIN a.s., Českomoravská 2510/19, CZ-190 00
Praha 9, Libeň, Czech Republic

Colour Claimed: Blue and red.

Representative: Čermák a spol., JUDr. Karel
Čermák, Ph.D., LL.M., Elišky
Peškové 735/15, CZ-150 00
Praha 5, Smíchov, Czech
Republic



1640514 26/06/2025

Class 11. Electric rice cookers; electric pots for making rice porridge; electric toaster ovens; electric cooking toaster ovens; electric fish roasters; electric roasters; bread-making machines for household purposes; electric rice-cake makers for household purposes; electric deep fryers; electric egg boilers; electric coffee makers; electric pressure cookers; hot plates; electric griddles; electric cooking pots; electric cooking pans; electromagnetic induction cookers; electric hot-water pots; electric kettles; electric air purifiers; electric humidifiers; futon dryers; electric dish dryers; electric rice warmer; electric pots for keeping soup warm; electric soup cookers; electric pots for keeping chocolate warm; electric dehumidifiers; microwave ovens; heating and cooling apparatus for dispensing hot and cold beverages; drink dispensers for industrial purpose, non-electric; drink dispensers for household purpose, non-electric.

Class 21. Rice washers, non-electric; water filtering pitchers; pitchers; portable drink water dispensers; water filtering pitchers, not of precious metal; vacuum flasks; vacuum bottles; heat-insulated flasks; vacuum

bottles of glass; kettles, non-electric; heat-insulated cups; heat-insulated mugs; heat-insulated tumblers; cups; mugs; tumblers; portable containers for beverages; portable heat-insulated containers for beverages; portable heat-insulated containers; portable heat-insulated beverage bottle bags; portable containers for food; portable heat-insulated containers for food; lunch boxes; heat-insulated lunch boxes; containers for keeping rice warm, non-electric; pans for keeping food warm and cooking food, non-electric; portable beverage dispensers [containers]; heat-insulated pitchers; ice pails; jugs; cooking pans, non-electric.

ZOJIRUSHI CORPORATION, 20-5, 1-Chome, Tenma, Kita-ku, Osaka 530-8511, Japan

Representative: HARA KENZO WORLD
PATENT & TRADEMARK,
Daiwa Minamimorimachi
Building, 2-6, 2-chome Kita,
Tenjinbashi, Kita-ku, Osaka-
shi, Osaka 530-0041, Japan

ZEBRAGARD

1785609 14/11/2023

Class 11. Filters and filter cartridges for the removal of biomolecules while processing pharmaceutical and biopharmaceutical liquids and gases in pharmaceutical and biopharmaceutical production; membrane filters

and membrane filter cartridges for the removal of biomolecules while processing pharmaceutical and biopharmaceutical liquids and gases in pharmaceutical and biopharmaceutical production; barrier membrane filters and barrier membrane filter cartridges for the removal of biomolecules while processing pharmaceutical and biopharmaceutical liquids and gases for use in pharmaceutical and biopharmaceutical production; filters and filter cartridges having a hydrophilic portion and a hydrophobic portion for the removal of biomolecules, particularly particulates, bacteria, colloids and microorganisms, from liquids and gases in pharmaceutical and biopharmaceutical production

Priority Date Claimed: 25 May 2023 United States of America

Meissner Filtration Products, Inc., 1001 Flynn Road, Camarillo CA 93012, United States of America

Representative: Constantine Marantidis LEWIS
ROCA ROTHGERBER
CHRISTIE LLP, P.O. Box
29001, Glendale CA 91209-
9001, United States of America

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

health assured

1806116 17/05/2024

Class 16. Paper and cardboard; printed matter; photographs; book binding material; stationery; office requisites; instructional and teaching material.

Class 35. Business assistance relating to starting and running a franchise; business consultancy; business consultancy and advisory services; business consultancy services; business consulting services; business information and advisory services; business management; business management advisory services; business management and consultancy services; office functions; business administration.

Health Assured Ltd, Peninsula Business Services Ltd, 2 Cheetham Hill Road, MANCHESTER M4 4FB, United Kingdom

Address for service: MACLACHLAN & DONALDSON (IRELAND) LIMITED, trading as MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland



1817967 09/04/2025

Class 9. USB flash drives; computer game software, downloadable; virtual reality game software; computer game software; smart rings; smart card readers; face recognition device; parking meters; scales; household body-fat scales; gauge rulers; measures; oil dipstick for vehicle usage; vehicle malfunction warning light; car antennas; smartphones; car televisions; video recorders on car; solid state drive video recorders; video projectors; projection screens; miniature projector; humanoid robots with artificial intelligence for use in scientific research; mirrors [optics]; video cables; stabilized voltage supply; electric apparatus for remote ignition; radiological apparatus for industrial purposes; headgear being protective helmets; charging stations for electric vehicles; wireless chargers; wireless charger for smart phones; security tokens [encryption devices]; computer software for processing digital images; computer software for processing digital music files; electronic publications, downloadable; computer software, recorded; computer software for encryption; interactive multimedia computer game programs; downloadable e-wallets; downloadable game software; computer programs [downloadable software]; computer software applications, downloadable; downloadable video game programs; downloadable mobile applications; downloadable image files; downloadable mobile phone images; digital wallet (downloadable computer

software); digital signal processors; digital audio signal processor; downloadable graphics for mobile phones; car multimedia player; recorders for sound and image medias; head mounted virtual reality devices for video games; digital multimedia broadcasting televisions; virtual reality headsets; virtual reality glasses; virtual reality games with headphones; multimedia projectors; animated cartoons; solid state drive; intercoms; smart wristbands that communicate data to smartphones; microphones; car audio equipments; portable media players; 3d spectacles; spectacle cases; car navigation computers; computer software for database management; automobile navigation device; scanners [apparatus] for performing automotive diagnostics; brake fluid testers for vehicles; electric locks for vehicles; charging stations for electric automobiles; charging devices for motor vehicles; automotive batteries; remote-controlled kill switches for cars; wearable computers; personal digital assistants [pdas]; thin client computers; computer screen saver software, recorded or downloadable; computer software platforms, recorded or downloadable; computer programs, recorded; smartwatches; smartglasses; communication apparatus in the form of jewelry; navigation apparatus for vehicles [on-board computers]; cases for smartphones; covers for smartphones; security surveillance robots; wearable video display monitors;

automobile data recorder; rearview cameras for vehicles; tire-pressure monitoring system (tpms) indicators; tire tread depth gauges; tire pressure gauges; voltage regulators for vehicles; plugs, sockets and other contacts [electric connections]; terminals [electricity]; inverters [electricity]; electronic control unit for automobiles; fire extinguishing apparatus for automobiles; eyeglasses; batteries, electric; chargers for electric batteries; accumulator jars; mobile power (rechargeable battery); accumulators, electric, for vehicles.

Class 12. Trailer hitches for vehicles; rearview mirrors for automobiles; vehicle running boards; car door; license plate frames; radiator grills for cars; child safety seat for cars; fitted vehicle covers for automobiles; automotive-specific covers [shaped]; car seat; pumps for bicycle tyres; automobile tires [tyres]; helicams; upholstery for vehicles; side view mirrors for vehicles; child safety seat for vehicles; vehicle covers [shaped]; doors for vehicles; electric vehicles; locomotives; vehicles for locomotion by land, air, water or rail; tipping apparatus [parts of railway wagons]; remote control vehicles, other than toys; spare tire covers; spare tire carriers for vehicles, namely, boxes; roof racks for vehicles; anti-theft devices for vehicles; vehicle hoods; spoke clips for wheels; wheel sprockets; bodies for vehicles; sun-blinds adapted for automobiles; axles for vehicles; axle journals; motor coaches; power tailgates (am.) [parts of land vehicles];

electric cars; camping cars; golf carts [vehicles]; motor buses; hub caps; rearview mirrors; robotic cars; ambulances; tow trucks; lorries; elevating tailgates (am.) [parts of land vehicles]; tailboard lifts [parts of land vehicles]; refrigerated vehicles; two-wheeled motorized vehicles; gear boxes for land vehicles; driving motors for land vehicles; transmission shafts for land vehicles; reduction gears for land vehicles; transmissions, for land vehicles; motors for land vehicles; propulsion mechanisms for land vehicles; engines for land vehicles; roof boxes for land vehicles; gear assemblies for land vehicles; transmission belts for land vehicles; transmission chains for land vehicles; motors, electric, for land vehicles; disc brakes for land vehicles; freewheels for land vehicles; brake blocks for land vehicles; connecting rods for land vehicles, other than parts of motors and engines; torque converters for land vehicles; driving chains for land vehicles; brake linings for land vehicles; brake block for land vehicles; crawler snowmobile; bands for wheel hubs; motorcycles; motorcycle wheel; motorcycle wheel axis holder; side cars; sports cars; air bags [safety devices for automobiles]; automobiles; bumpers for automobiles; roof racks for automobiles; automobile wheel; automobile wheel axis holder; automobile bodies; automobile chassis; anti-theft devices for automobiles; shock absorbers for automobiles; car chains; automotive door handles; automotive upholstery;

automotive spoiler; brake pads for automobiles; ski carriers for cars; sunroofs for automobiles; automotive engine; automobile hoods; cigar lighters for automobiles; safety harnesses for car seats; light trucks; wreckers for transport; amphibious vehicles; motor scooters; semi-trailer trucks; trailers [vehicles]; tractors; trolley buses; driverless cars [autonomous cars]; vans [vehicles]; buggy; cars; minibuses; transport vehicles; motor homes; tramcars; shaped vehicle covers; motocross motorcycles; hand truck; pushchairs; repair outfits for inner tubes; tires for vehicle wheels; safety seats for children, for vehicles; suspension shock absorbers for vehicles.

Class 37. Construction; upholstering; electric appliance installation and repair; installation, maintenance and repair of computer hardware; rebuilding engines that have been worn or partially destroyed; vehicle service stations [refuelling and maintenance]; maintenance and repair of land vehicles; vehicle maintenance; vehicle battery charging; anti-rust treatment for vehicles; vehicle breakdown repair services; vehicle greasing; vehicle cleaning; vehicle washing; vehicle polishing; rustproofing; retreading of tires; vulcanization of tyres [repair]; repair of rubber tires; disinfecting.

Class 42. Design and development of multimedia products; dress designing; electronic data storage; data conversion of electronic information; programming of multimedia applications; technological consultancy services for

digital transformation;
design, development and
maintenance of computer
programs; design and
development of computer
software; programming of
computer video games;
computer graphic design;
programming of computer
games; design and
development of computer
game software; artificial
intelligence consultancy;
research in the field of
artificial intelligence;
software as a service [SaaS];
design and development of
software; user authentication
services using blockchain
technology; video game
development services; design
and development of software
in the field of mobile
applications; data encryption
and decoding services; cross-
platform conversion of digital
content into other forms of
digital content; digital
watermarking; design and
development of virtual reality
software; hosting digital
content on the internet; on-
line data storage; recovery of
smartphone data; animation
design for others;
technological research;
consultancy in the field of
energy-saving; research and
development of new products
for others; quality testing;
vehicle roadworthiness
testing; industrial design;
internet security consultancy;
computer programming; data
conversion of computer
programs and data [not
physical conversion];
computer software design;
maintenance of computer
software; platform as a
service [PaaS]; software
development in the
framework of software
publishing; data encryption
services; providing search
engines for the internet;

creating and designing
website-based indexes of
information for others
[information technology
services]; cloud computing.

Beijing Lixiang Automobile Co., Ltd., No.1,
Linkong 2nd Road, Shunyi Park, Zhongguancun
Science Park, Shunyi District, Beijing, China

Notings: The request for protection is
proceeding with the consent of
the applicants of Pending
European Union Trade Mark
Application No. 018967866.

Representative: Schmitt & Orlov Intellectual
Property Co., Ltd., 603, 6th
(5th) floor, No. 9, Middle East
Third Ring Road, Chaoyang
District, Beijing, China

Address for
service: Murgitroyd & Company, 2nd
Floor, 57 Adelaide Road
Dublin 2, Dublin DO2 Y3C6,
Ireland

SEREN ENERGY

1857841 19/11/2024

- Class 7. Domestic wind turbines.
- Class 9. Software (recorded
programs); computer
platforms in the form of
recorded or downloadable
software; interface software;
energy consumption analysis
software; energy
consumption analysis
software platform; energy
efficiency analysis software;
software for managing
electric vehicle charging;
software applications for
managing lighting systems;
control software enabling the

regulation of energy consumption equipment; software for tracking and optimizing energy efficiency; software for controlling and managing energy production, distribution and storage equipment; energy monitoring and analysis software; home automation software for integrated management of electronic apparatus; software and applications for mobile devices enabling the interaction and remote control of charging and lighting systems; computer programs for managing energy flows in smart networks; software for collecting and processing data in connection with energy consumption; charging stations for electric vehicles; smart charging systems for electric vehicle accumulators and batteries; battery terminals; connection terminals; batteries; electric batteries; rechargeable batteries; battery chargers; charging management software for electric vehicle charging stations; control devices for charging electric vehicles; security and access control devices for electric charging points; electric apparatus and instruments for energy saving; energy regulation and control devices; smart and programmable thermostats; energy meters; renewable energy generation systems, including photovoltaic solar panels; luminous signs; connection and protection devices for lighting installations; lighting components, namely, ballasts, starters, light transformers; electric vehicle charging stations; electric apparatus for charging vehicles; lighting

control systems, namely, dimmers, dimming modulators, light sensors, presence and motion detectors; remote control devices for lighting; automated lighting management systems; electric wiring; electric connectors.

Class 11. Lighting apparatus; lighting fixtures; electric light bulbs; LED light sources; lamps; wall lights; ceiling lights; searchlights; floor lamps; recessed lighting; lighting for vehicles and vehicle parts; lighting components, namely, sockets; lighting accessories specifically designed for fitting out and integration into lighting installations; energy saving lighting equipment, including LED lamps.

Class 36. Financing services for lighting solutions and energy renovation; financing services for energy renovation works; information and advisory services with respect to the financing of energy works; cost assessment services for energy renovation works [financial valuations].

Class 37. Construction and repair, installation, and maintenance of energy generation and distribution installations; installation, maintenance, and repair of electric vehicle charging points; rental of battery chargers; recharging of batteries; installation, support and maintenance in relation to electric charging points; recharging services for electric and hybrid vehicles; vehicle battery recharging services; lighting replacement services; advisory services with respect to the installation of lighting apparatus; installing electric energy production apparatus; maintenance and repair of energy generating

installations; servicing and repair of solar thermal energy installations; overhauling electric energy production apparatus and installations; repairing electric energy production apparatus and installations; maintenance, servicing and repair of apparatus and installations for production of electrical energy; energy renovation of buildings including lighting replacement services.

Class 42. Technical advice relating to the installation and use of electric vehicle charging points; engineering and advisory services in relation to electric vehicle charging technology; technical information and advisory services with respect to energy renovation; technical project studies in the field of energy renovation; technical advisory services with respect to energy renovation; auditing with respect to energy, energy optimization, upgrade and integration of efficient lighting technology, including the installation, servicing and repair of energy-efficient lighting systems; energy auditing; advice with respect to energy efficiency; design and development of energy management systems and green technologies to improve energy efficiency; technical appraisals concerning design (engineers' services), scientific research, technical research, software design, software development, research and development of new products for others, conducting technical project studies, development (design) of software, installation of software, maintenance of software, updating of software, rental of software;

layout design services for electric vehicle charging points.

Priority Date Claimed: 17 June 2024 France

SEREN ENERGY, 27 boulevard Victor Hugo, Immeuble Pythagore, F-31770 Colomiers, France

Notings: The request for protection is proceeding with the consent of the holders of International Registration No. 1770222.

Representative: Madame HALLER Julie IPSIDE, Tour TRINITY, 1 BIS ESPLANADE DE LA DEFENSE, CS 60356, F-92035 PARIS LA DEFENSE CEDEX, France

Address for service: Alistair Payne, Acuatus Limited, 42 Dominick Street Lower, Dublin 1, Ireland

LAZY STARS

1862026 27/03/2025

Class 16. Bookmarks; printed matter; note books; folders for papers; stationery; writing cases [stationery]; erasers; pencil lead holders; pencils; pencil leads.

Hangzhou Mytown Creative Co., Ltd., Room 1306-3, Bldg 2, Huanyu Business Center, No. 626 Ke Ji Guan Street, Xixing, Binjiang District, Hangzhou, 310050 Zhejiang Province, China

Representative: Jiangsu Lvning Intellectual Property Agency Co., Ltd., 807, 8F Jinfeng Building, 19 Central Road, Nanjing, Jiangsu, China



1862432 02/10/2024

Class 9. Downloadable computer software that provides real-time, integrated business management intelligence by combining information from various databases and presenting it in an easy-to-understand user interface, produces financial models, and assesses, reads, and tracks information in the field of financial planning, wealth management, and retirement planning.

Class 36. Financial analysis and consultation; financial consultation; financial forecasting; financial management; financial planning consultation; provision of financial information via an on-line financial calculator; financial analysis and providing financial information for financial planning, wealth management, and retirement planning purposes; providing information in the field of financial planning, wealth management, and retirement planning for financial advisors, wealth managers, investment managers, financial planners, and retirement plan specialists.

Class 42. Customizing computer software; consultation services relating to computer

software in the field of financial planning, wealth management, and retirement planning; providing online non-downloadable computer software that provides real-time, integrated business management intelligence by combining information from various databases and presenting it in an easy-to-understand user interface, produces financial models, and assesses, reads, and tracks information in the field of financial planning, wealth management, and retirement planning.

Priority Date Claimed: 18 June 2024 United States of America

Voyant, Inc., 7300 Ranch Road 2222, Building 5, Suite 200, Austin TX 78730, United States of America

Representative: Sharoni S. Finkelstein Venable LLP, 2049 Century Park East, Suite 2300, Los Angeles CA 90067, United States of America

Address for service: TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland

The logo for Solazo ONE, featuring the word "Solazo" in a stylized, outlined font, followed by the word "ONE" in a bold, outlined font.

1864696 01/05/2025

Class 12. Automobile tyres; casings for pneumatic tyres; pneumatic tyres.

Priority Date Claimed: 10 March 2025 Ukraine

LIMITED LIABILITY COMPANY «PREMIORI»,
street Levanevskoho, 91, t. Bila Tserkva, Kyiv
region 09100, Ukraine

Representative: Shenzhen Yonghe Management
Consulting Co., Ltd., 806, No.
19, Zone 2, Xiazao New
Village, Gaofeng Community,
Dalang Street, Longhua
District, Shenzhen City,
Guangdong Province, China

Zelax

1864759 21/02/2025

- Class 24. Silk [cloth]; elastic woven fabrics; fabric; non-woven textile fabrics; wall hangings of textile; printers' blankets of textile; bath linen, except clothing; bed covers; tablecloths, not of paper; banners of textile or plastic.
- Class 25. Underwear; sports jerseys; babies' pants [underwear]; cyclists' clothing; waterproof clothing; sports shoes; hats; socks; gloves [clothing]; boas [necklets].
- Class 35. Advertising; business management of hotels for others; conducting marketing research; providing business information, also via internet, the cable network or other forms of data transfer; providing information about commercial business and commercial information via the global computer network; business management of hotels; goods import-export agencies; marketing; headhunting services for highly qualified personnel; business auditing.

Huang Xu, No.43, Mazhuang Group, Tianle Village,
Yujing Town, Qianshan County, Anqing City, Anhui
Province, China



1864905 25/04/2025

- Class 32. Beers; non-alcoholic beverages, including mineral and aerated waters; fruit juices and fruit beverages, lemonade; syrups and other preparations for making beverages.

Priority Date Claimed: 31 January 2025 Georgia
JSC LOMISI, Village Natakhtari, 3308 Mtskheta
Region, Georgia

Colour Claimed: Green., The bottle is green.

Representative: Shalva Gvaramadze, 56,
Sulkhan Tsintsadze Str., Apt.
36, 0160 Tbilisi, Georgia



1865041 21/02/2025

- 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.

Priority Date Claimed: 15 November 2024 United Kingdom

Petrogas Group Limited, Block 17, Joyce Way, Park West, Dublin 12, D12 F2V3, Ireland

Representative: Sipara Limited, Rochester House, Eynsham Road, Farmoor, Oxford OX2 9NH, United Kingdom



1865043 21/02/2025

- 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.

Priority Date Claimed: 15 November 2024 United Kingdom

Petrogas Group Limited, Block 17, Joyce Way, Park West, Dublin 12, D12 F2V3, Ireland

Representative: Sipara Limited, Rochester House, Eynsham Road, Farmoor, Oxford OX2 9NH, United Kingdom

[information technology services]; server hosting.

Priority Date Claimed: 07 April 2025 Ukraine

Hevorhian Ashot Almartovych, vul. Zalisna, 7, s. Kaliuzhyne, Kehychivskiy r-n, Kharkivska obl. 64034, Ukraine

Colour Claimed: Orange and green., The word "Smart" and the image of the fork are in orange color; the word "Menu" and the image of the knife are in green color.

Representative: Oleksandr Pakharenko, Pakharenko & Partners, IP and Law Firm, P.O. Box 78, Kyiv 03150, Ukraine



1865074 13/05/2025

Class 9. Computer software; computer software applications, downloadable; computer programs, downloadable; computer programs, recorded.

Class 42. Design and development of computer hardware and software; providing information relating to computer technology and programming via a website; computer programming; computer technology consultancy; website design consultancy; monitoring of computer system operation by remote access; writing of computer code; maintenance of computer software; computer programming services for data processing; information technology [IT] support services [troubleshooting of software]; hosting computer websites; rental of web servers; technical writing; creating and maintaining websites for others; creating and designing website-based indexes of information for others

KILOMAX

1865324 03/06/2025

Class 12. Vehicles for locomotion by land, air, water and rail; trolleys; treads for retreading tyres; treads for vehicles [roller belts]; solid tyres for vehicle wheels; repair outfits for inner tubes; vehicle tires; inner tubes for automobile tires; automobile tyres.

Shuma Tyre International (Qingdao) Co., Ltd., No. 2117 West (A), 2nd Floor, Building 4, No. 38 Beijing Road, Qianwan Bonded Port Area, Qingdao Area, Pilot Free Trade Zone Shandong Province, China

Representative: Beijing Futian International IP Agency, 5F-501, Building 3, No.150, Guanzhuang Road, Changying County, Chaoyang District, Beijing, China

LOST FARM

1865465 29/05/2025

Class 33. Alcoholic beverages (except beer); whisky; wines; red table wine; white table wine.

ANGOVE'S PROPRIETARY LIMITED, 271
Bookmark Ave, RENMARK SA 5341, Australia
Representative: Collison & Co, GPO Box 2556,
Adelaide SA 5001, Australia

International Trade Marks protected in the State

1318151 (2541) Cl. 25
Beijing Tiexue Tech. Co., Ltd. of China

1474762 (2542) Cl. 4, 6, 7, 12, 35, 39
ZIKMAR TRADE Ltd. of Belarus

1659953 (2541) Cl. 3
KIM HEE JUN of Republic of Korea

1662579 (2541) Cl. 3
KIM HEE JUN of Republic of Korea

1712467 (2542) Cl. 36
HYUNDAI MOTOR COMPANY of Republic of Korea

1741071 (2541) Cl. 18
HERMES INTERNATIONAL of France

1747191 (2541) Cl. 31
Oscarsgroup Ltd of United Kingdom

1781730 (2541) Cl. 29, 30, 31, 32, 33, 35

Cerioti Holding S.A. of Luxembourg

1792960 (2541) Cl. 18, 25
C.W.F. CHILDREN WORLDWIDE
FASHION of France

1806011 (2541) Cl. 9, 35, 36, 39, 42, 45
Klarna Bank AB of Sweden

1812753 (2541) Cl. 9, 10, 35, 44
Sonova AG of Switzerland

1812754 (2541) Cl. 9, 10, 35, 44
Sonova AG of Switzerland

1813141 (2537) Cl. 29, 30, 43
Earthly Treats, Inc. of United States of America

1825735 (2541) Cl. 33
China Kweichow Moutai Distillery (Group) Co., Ltd. of China

1827262 (2541) Cl. 5, 35, 42
Farmak AG of Switzerland

1832552 (2541) Cl. 5
PXG Pharma GmbH of Germany

1832928 (2542) Cl. 12
Shenzhen Kukirin Technology Co., Ltd of China

1840059 (2540) Cl. 29, 30
Krüger GmbH & Co. KG of Germany

1841339 (2542) Cl. 35, 38, 41, 42
DE-CIX Group AG of Germany

1841860 (2541) Cl. 5, 31
TECNOVIT S.R.L. of Italy

1842654 (2540) Cl. 29, 30
Krüger GmbH & Co. KG of Germany

1842721 (2541) Cl. 7
KOTAN BAU YAPI SANAYI VE TICARET ANONIM ŞİRKETİ of Türkiye

1842865 (2541) Cl. 9, 42
Cresta Intelligence Inc. of United States of America

1843486 (2541) Cl. 3

Shanghai Cheermore Biological Technology Co.,Ltd of China

1843569 (2541) Cl. 18, 25, 28
Shijiazhuang Chao-feng Sporting Goods Sales Ltd. of China

1843802 (2541) Cl. 1, 3, 5, 10, 16, 42, 44, 45
KRKA, tovarna zdravil, d.d., Novo mesto of Slovenia

1844661 (2542) Cl. 45
Cinco de Cinco, S.A.P.I. de C.V. of Mexico

1844740 (2542) Cl. 1, 3, 7, 9
ANT WELD CLEANER DOO
PROIZVODNJA MAŠINA ZA OSTALE
SPECIJALNE NAMENE NIŠ of Serbia

1844753 (2542) Cl. 3
Revacl (Shanghai) Biotechnology Co., Ltd. of China

1844771 (2542) Cl. 12
Jinbo Auto Parts Group Ningbo Co.,Ltd of China

1845308 (2542) Cl. 12
Seres Auto Co., Ltd. of China

1845451 (2542) Cl. 39
Distant Journeys Limited of United Kingdom

1845467 (2542) Cl. 9
SERCO INTERNATIONAL GENERAL
TRADING (L.L.C) of United Arab Emirates

1845551 (2542) Cl. 33
NOBLEWOOD LIMITED of Cyprus

1845619 (2542) Cl. 11
Raed Mohammad Mustafa Alnuserat of United Arab Emirates

1845629 (2542) Cl. 9, 16, 41
Change Management Institute Incorporated of Australia

1848643 (2542) Cl. 9
Shenzhenshi LuTuo Technology Co., Ltd of China

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

1673151 BeLive
Goods/Services remaining:
Class 30.
Extracts for use as food flavorings, other than essential oils; seasonings; condiments; nutritionally balanced, low-calorie ready meals made primarily from pasta, rice or noodles; foodstuffs and ready meals with a high caloric value mainly made from pasta, rice or noodles.
Class 35.
Advertising; business management; business organization; office functions services; arranging of contracts, for others, for the buying and selling of goods and consultancy relating thereto in the field of sales, import and export of flavorings and condiments, seasonings, ready meals with a balanced nutritional content and low calorie content consisting primarily of pastes a, rice or noodles, ready meals with high caloric value consisting mainly of pasta, rice or noodles; retailing and wholesaling, including online, and consultancy relating thereto in relation to flavorings and condiments, mixtures of spices, ready meals with a balanced nutritional content and low calorie content mainly made from pasta, rice or noodles, high calorific ready meals made primarily from pasta, rice or noodles; marketing; market observation, research and analysis; economic advice in business matters; merchandising; organization of trade fairs.

Date of Recordal of Cancellation:
22/08/2025

1672054 BELIVE
Goods/Services remaining:
Class 30.
Flavorings extracts for use as food flavorings, other than essential oils; seasonings; condiments; nutritionally balanced, low-calorie ready meals made primarily from pasta, rice or noodles; foodstuffs and ready meals with a high caloric value mainly made from pasta, rice or noodles.

	Date of Recordal of Cancellation: 22/08/2025
0881497	ARMANI PRIVÉ Goods/Services remaining: Class 3. Bleaching preparations and other substances for laundry use; cleaning, polishing, scouring and abrasive preparations; soaps; perfumery, essential oils, cosmetics, hair lotions; dentifrices. Date of Recordal of Cancellation: 17/06/2025
0881498	GIORGIO ARMANI PRIVÉ Goods/Services remaining: Class 14. Precious metals and their alloys and goods made of these materials or plated therewith included in this class, jewellery, precious stones, horological and chronometric instruments. Class 18. Leather and imitation leather, goods made thereof included in this class; animal skins, hides; trunks and suitcases; umbrellas, parasols and walking sticks; whips, harness and saddlery. Class 24. Fabrics and textiles included in this class; bed and table covers. Date of Recordal of Cancellation: 10/06/2025

Changes/Corrections in the International Register

1852933	Advertised in Journal No. 2544 on 18 June 2025. Correction received from the International Bureau correcting classes 30 and 42 as follows: Class 30: Coffee, tea, cocoa, sugar, rice, tapioca, sago, artificial coffee; flour and preparations made from cereals, bread, pastry and confectionery, ices; honey, treacle; yeast, baking-powder; salt, mustard; vinegar, sauces (condiments); spices; ice. Class 42: Scientific and technological services and research and related design services; industrial analysis and research services; design and development of computer hardware and software. Remaining classes are not affected.
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