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Cuid I
Paitinní agus Dearachtaí

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

Official Notice

Patent Rules 1992 – Rule 77, – Office Closure

**The Intellectual Property Office of Ireland (IPOI) will be closed for the transaction of business
on Monday 2nd February 2026**

Applications for Patents From 17/11/2025 to 23/12/2025

The names of applicants are in alphabetical order. The title of the invention should not be regarded as an exhaustive indication of the subject-matter. The date immediately following the title is that on which the application was filed; in the case of a divisional application, the filing date of the earlier application is added within parentheses. Where 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.

ALPHONSUS MCCAFFREY Electro-Filler™ Cavity Wound Treatment System 15 December 2025	S20250566
BRIAN CLOHISSEY A Multimodal Subsea Energy, Water, and Hydrogen Production System with Integrated Bidirectional Turbine and Autonomous Launch and Recovery Architecture 12 December 2025	20250562
CHINA RAILWAY NO.5 ENGINEERING GROUP CO.,LTD. HIGH-PRESSURE SLURRY WATER PLUGGING DEVICE AND METHOD FOR TUNNEL WATER INFLOW 23 December 2025	S20250590
CIARAN COOKE BIDIRECTIONAL DC-DC CONVERTER UTILIZING TRANSMISSION LINE TRANSFORMER (TLT) GEOMETRY AND ACTIVE THERMAL DRIFT COMPENSATION 22 December 2025	20250589
CIARAN COOKE Real-Time Temporal Actuator Controller via Inverse-Gradient Transmission Regulation 16 December 2025	20250570
CIARAN COOKE Method and Apparatus for Generalized Non-Linear Feedback Control and Thermodynamic Noise Suppression 14 December 2025	20250564
CIARAN COOKE A RECURSIVE TOPOLOGICAL METAMATERIAL RESONATOR WITH ENHANCED ELECTROMAGNETIC SURFACE DENSITY 18 December 2025	20250585
CIARAN COOKE GEOMETRIC IMPEDANCE SWITCHES AND FRACTAL RESONANT MEMORY DEVICES UTILISING RECURSIVE METAMATERIAL ARCHITECTURES 18 December 2025	20250586
CILLIAN HARTEN; SEAN LAHART; LUCAS MCNAMARA Interlocking Concrete Block System with Integrated Vertical Reinforcement Channel 14 December 2025	S20250563
E.I. TECHNOLOGY UNLIMITED COMPANY HOUSE CODING OF ALARM DEVICES WITH RF FUNCTIONALITY 17 December 2025 [European Patent Office (EPO)-25 February 2025 European Patent Office (EPO)-25 February 2025 European Patent Office (EPO)-25 February 2025 European Patent Office (EPO)-25 February 2025]	20250571
E.I. TECHNOLOGY UNLIMITED COMPANY COMMUNICATION BETWEEN ALARM DEVICES WITH RF FUNCTIONALITY 17 December 2025 [European	20250572

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EMERALD EQUINE & MEDIA HOLDING Ltd. Modular, viscoelastic protector system for horses-especially for cushioning impacts in the shoulder and cannon bone area during sporting activities 17 November 2025 [Germany-06 November 2025]	20250577
EMERALD EQUINE & MEDIA HOLDING Ltd. Interactive control system for synchronized room design with audiovisual olfactory and light-based output 17 November 2025 [Germany-06 November 2025]	20250578
EMERALD EQUINE & MEDIA HOLDING Ltd. Anatomically adapted, wireless headphones for horses for auditory stimulation, stress reduction and training support. 17 November 2025 [Germany-06 November 2025]	20250579
EMERALD EQUINE & MEDIA HOLDING Ltd. Methods for the targeted breeding and digital authentication of black Anglo-Arabians and black English Thoroughbreds with genetic and digital quality control. 17 November 2025 [Germany-06 November 2025]	20250580
EMERALD EQUINE & MEDIA HOLDING Ltd. Light Start-Light and sound signal-based control and training system for riderless horse racing and training applications. 17 November 2025 [Germany-06 November 2025]	20250581
EMERALD EQUINE & MEDIA HOLDING Ltd. Equivita: Integrated Equine Vital Monitoring and Health Protection System 17 November 2025 [Germany-06 November 2025]	20250582
EMERALD EQUINE & MEDIA HOLDING Ltd. EquiSense gait analysis & early warning module 17 November 2025 [Germany-06 November 2025]	20250583
ETAOIN HEALY BASTOW WOUND PROTECTION CAGE 18 December 2025 [Ireland-06 January 2025]	20250584
JACK RAFTER A method of giving fabrics or cloths antibacterial and/or antimicrobial properties through the use of natural dyes, and natural oils. 23 December 2025	S20250591
JOSHUA JOEL PAUL DHANYASI A Multi-Evidence Digital Trust, Identity Verification, and Reputation Scoring System 20 December 2025	S20250588
KEVIN O'KANE CROP BALING APPARATUS 15 December 2025	20250565
MICHAEL BYRNE SMOKE DETECTOR 19 December 2025	20250587
NINGBO SINGFUN ELECTRIC APPLIANCE CO., LTD. CONNECTION ASSEMBLY AND FAN 17 December 2025 [China-30 October 2025]	S20250573
PAUL DILLON OFFLINE DETERMINISTIC GUI-ONLY EXPERT SYSTEM BASED ON PIXEL-ACCURATE FRAMEBUFFER ANALYSIS 17 December 2025	20250576
SHANDONG UNIVERSITY OF TRADITIONAL CHINESE MEDICINE APPLICATION OF SALVIANOLIC ACID A IN PREPARATION OF DRUG FOR PREVENTING AND TREATING VULNERABLE PLAQUES IN ADVANCED ATHEROSCLEROSIS 17 December 2025 [China-11 March 2025]	S20250575

SIRIUSXT LIMITED PRECISION ALIGNMENT SYSTEM FOR ROTATING
OPTICAL ELEMENTS 16 December 2025 **20250567**

SIRIUSXT LIMITED CRYOGENIC ROTATING MECHANISM WITH
MINIMIZED RUNOUT USING A PRE-COILED FLAT BRAID 16 December 2025 **20250568**

SIRIUSXT LIMITED CRYOGENIC IMAGING SYSTEM FOR CAPILLARIES IN
A VACUUM ENVIRONMENT 16 December 2025 **20250569**

TIANJIN UNIVERSITY A CHARACTERIZATION METHOD AND
APPLICATION FOR **S20250574**
RADIATION-INDUCED DEFECTS IN SILICON CARBIDE 17 December 2025
[China-21 May 2025]

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.

2023	S20230070	LUKE ROSS, Cantilever Log holder using V shaped jaws with machinery and equipment mounting system. 23 March 2023. Int. Cl. (2025.01) B25H 1/00; B27L 7/00.
2023	S20230366	HUNAN UNIVERSITY OF TECHNOLOGY, FLYING WING WITH VARIABLE CHORD LENGTH AND CAMBER. 31 July 2023. Int. Cl. (2025.01) B64C 3/00.
2024	S20240493	PALACE MODULAR HOUSING (CHONGQING) CO.,LTD, FOLDING TYPE HOUSE HAVING HINGE STRUCTURES. 17 May 2024. Int. Cl. (2025.01) E04B 1/00; E05D 3/00; E05D 11/00.
2024	S20240769	HUANENG GUANGXI CLEAN ENERGY CO. LTD., Stable Support Device and Method for Photovoltaic Power Generation. 23 March 2024. Int. Cl. (2025.01) H02S 20/00; F16F 15/00.

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.

S87692	FLYING WING WITH VARIABLE CHORD LENGTH AND CAMBER. Int. Cl. (2025.01) B64C 3/00. HUNAN UNIVERSITY OF TECHNOLOGY 05 September 2023 (S20230366) [China-31 July 2023]
S87693	Cantilever Log holder using V shaped jaws with machinery and equipment mounting system. Int. Cl. (2025.01) B25H 1/00; B27L 7/00. LUKE ROSS 23 March 2023 (S20230070)
S87694	Method, system, program, and medium for video streaming access to paywalled site. Int. Cl. (2025.01) G06F 21/00; H04L 67/00; G06Q 50/00; H04N 21/00. SUPERTAB AG 16 August 2023 (S20230335)

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. 51/25, dated 2025-12-17

2581543	Hörmann KG Eckelhausen	21/09/2012	2581543	12185542.3	German
2706643	General Electric Renovables España, S.L.	04/09/2013	2706643	13182969.9	
2764694	Dolby Laboratories Licensing Corporation	05/10/2012	2764694	12838418.7	French
2916851	Vifor (International) Ltd.	08/10/2013	2916851	13779499.6	
2917058	Volvo Truck Corporation	09/11/2012	2917058	12888200.8	
2965360	Intel NDTM US LLC	04/03/2014	2965360	14760437.5	
3065082	Canon Kabushiki Kaisha	26/02/2016	3065082	16157703.6	
3074302	Briers, Marthinus	28/10/2014	3074302	14864539.3	
3079448	Hamilton Sundstrand Corporation	30/03/2016	3079448	16162836.7	
3096545	Flowbird	19/05/2016	3096545	16170369.9	
3102233	Cedars-Sinai Medical Center	05/02/2015	3102233	15747022.0	
3119202	Grains Research & Development Corporation	17/03/2015	3119202	15765292.6	
3127914	University of Miyazaki	20/03/2015	3127914	15765038.3	French
3140809	Align Technology, Inc.	07/05/2015	3140809	15726676.8	
3166547	Ossur Iceland EHF	07/07/2015	3166547	15742435.9	
3177575	Brightholme Inc.	05/08/2015	3177575	15829228.4	
3178574	Ido, Koji	30/07/2015	3178574	15829865.3	
3195172	Level 3 Communications, LLC	14/09/2015	3195172	15839809.9	
3195637	Nokia Solutions and Networks Oy	19/09/2014	3195637	14771297.0	
3196020	Chiba Machine Industry Corporation	19/09/2014	3196020	14901963.0	
3198077	Albany International Corp.	25/09/2015	3198077	15775906.9	
3214481	TTP plc	08/04/2011	3214481	17167837.8	
3216936	Daudet, Larry Randall	19/01/2017	3216936	17152308.7	French
	Nguyen, Hien				
	Stauffer, Timothy M.				
	Lin, Jin-Jie				
3220632	Hangzhou Hikvision Digital Technology Co., Ltd.	17/06/2015	3220632	15881698.3	
3231828	The Chemours Company FC, LLC	28/03/2014	3231828	17172914.8	
3232992	Ottobock SE & Co. KGaA	18/12/2015	3232992	15820979.1	
3242142	Pie Medical Imaging BV	02/05/2016	3242142	16167909.7	
3246961	Samsung Electronics Co., Ltd.	05/01/2017	3246961	17150423.6	
3250513	BRITA SE	22/01/2016	3250513	16701467.9	
3259028	Lloyd, Michael, Shane	17/02/2016	3259028	16752998.1	French
	Langberg, Jonathan, Jason				
3263299	Suehiro Seiko Kabushiki Kaisha	12/11/2015	3263299	15883089.3	
3267265	ROLEX SA	03/07/2017	3267265	17179264.1	
3285898	Kleineke, Ronald	22/04/2016	3285898	16783928.1	
	Rauch, Mark S.				
3286114	Opex Corporation	20/04/2016	3286114	16783795.4	
3292060	Mitutoyo Corporation	03/05/2016	3292060	16789946.7	
	Mitutoyo Europe GmbH				
3310575	Incussus, LLC	25/05/2016	3310575	16741132.1	
3311877	Medical Components, Inc.	17/07/2008	3311877	17193828.5	French
3314653	INTEL Corporation	23/06/2015	3314653	15896511.1	
3314660	Intel Corporation	23/06/2015	3314660	15896504.6	

3319936	Hangzhou Dac Biotech Co., Ltd.	12/07/2015	3319936	15773571.3	
3323960	Simpson Strong-Tie Company, Inc.	20/11/2017	3323960	17202621.3	
3334459	Arch Biopartners, Inc.	11/08/2016	3334459	16834715.1	
3352261	Kabushiki Kaisha Toshiba	14/09/2015	3352261	15904047.6	
3355087	Rolic Technologies AG	07/05/2007	3355087	18157639.8	
3357442	Shanghai Sanyou Medical Co., Ltd.	08/06/2016	3357442	16850131.0	
3365264	Vehicle Service Group, LLC	21/10/2016	3365264	16858364.9	
3368562	Merck Sharp & Dohme LLC	27/10/2016	3368562	16790858.1	
3370086	STMicroelectronics (Research & Development) Limited	01/03/2017	3370086	17158736.3	
3378823	EPSILON Kran GmbH.	23/03/2017	3378823	17162557.7	German
3383532	Tubitak	25/11/2016	3383532	16829432.0	
3385981	Nexperia B.V.	04/04/2017	3385981	17164854.6	
3390335	HA-International, LLC	10/06/2016	3390335	16876185.6	
3394359	Lüttich, Andreas	24/05/2017	3394359	17751238.1	German
3400061	Cosmetic Edge Pty Ltd	06/01/2017	3400061	17735772.0	
3400065	Ascendis Pharma Growth Disorders A/S	05/01/2017	3400065	17700906.5	
3400930	Agencia Pública Empresarial Sanitaria Hospital de Poniente Universidad De Granada	04/01/2017	3400930	17706836.8	
3405864	Sony Interactive Entertainment Inc.	20/01/2017	3405864	17741982.7	
3407780	Medtronic Minimed, Inc.	30/01/2017	3407780	17745101.0	
3411724	Robert Bosch GmbH	18/01/2017	3411724	17701819.9	German
3413813	Machi, Antonino	09/02/2017	3413813	17719488.3	French
3415688	Dow Global Technologies, LLC	12/06/2018	3415688	18177424.1	
3422957	Edwards Lifesciences Corporation	02/03/2017	3422957	17760836.1	
3423433	Bio-Pharm Solutions Co., Ltd.	28/02/2017	3423433	17760307.3	
3423827	Becton, Dickinson and Company	02/03/2017	3423827	17713096.0	
3426390	Waters Technologies Corporation	06/03/2017	3426390	17712897.2	
3427031	Yokogawa Fluence Analytics, Inc. The Administrators of The Tulane Educational Fund	07/03/2017	3427031	17763927.5	
3430365	Rosemount Inc.	09/02/2017	3430365	17706088.6	
3431029	Biosense Webster (Israel) Ltd.	20/07/2018	3431029	18184624.7	
3431218	General Electric Company	06/07/2018	3431218	18182080.4	
3437242	InterDigital Patent Holdings, Inc.	30/03/2017	3437242	17720592.9	
3439915	Bayerische Motoren Werke Aktiengesellschaft	21/03/2017	3439915	17712463.3	German
3443406	Microsoft Technology Licensing, LLC	05/04/2017	3443406	17719763.9	
3443607	Fuelcell Energy, Inc.	10/04/2017	3443607	17782924.9	
3444295	Astom Corporation	13/04/2017	3444295	17782485.1	
3445312	Mayborn (UK) Limited	21/04/2017	3445312	17719700.1	
3445435	Hollister Incorporated	21/04/2017	3445435	17721000.2	
3449308	Drug Delivery Company, LLC	26/04/2017	3449308	17790332.5	
3456944	Hamilton Sundstrand Corporation	11/09/2018	3456944	18193861.4	
3457850	Arxada, LLC	19/06/2017	3457850	17734912.3	
3459563	Seqirus UK Limited	18/03/2009	3459563	18203041.1	
3461405	Magnolia Medical Technologies, Inc.	07/03/2014	3461405	18194131.1	
3464257	BASF SE	01/06/2017	3464257	17727861.1	
3464405	BASF SE	29/05/2017	3464405	17728098.9	German
3467271	Mitsubishi Heavy Industries, Ltd.	05/10/2018	3467271	18198781.9	
3467906	TOYOTA JIDOSHA KABUSHIKI KAISHA	01/10/2018	3467906	18197979.0	
3468272	LG Electronics Inc.	07/04/2017	3468272	17779399.9	
3470337	Hamilton Sundstrand Corporation	09/10/2018	3470337	18199437.7	
3470816	Horiba, Ltd.	26/09/2018	3470816	18196912.2	
3477195	TRILUX GmbH & Co. KG	24/10/2018	3477195	18202275.6	German
3477387	Mitsui Chemicals, Inc.	20/06/2017	3477387	17819962.6	
3478723	Checkpoint Therapeutics, Inc.	28/06/2017	3478723	17821178.5	
3484029	Odawara Engineering Co., Ltd.	08/05/2018	3484029	18826479.0	
3487817	Saint-Gobain Sekurit France	26/06/2017	3487817	17735428.9	German
3488405	Tbcasoft, Inc.	06/01/2017	3488405	17834883.5	

3496773	Teleflex Life Sciences LLC	09/08/2017	3496773	17791283.9	
3497854	Qualcomm Incorporated	12/07/2017	3497854	17743153.3	
3498116	RAI Strategic Holdings, Inc.	12/01/2015	3498116	19154801.5	
3503181	Deere & Company	13/11/2018	3503181	18206009.5	
3503325	AutoNetworks Technologies, Ltd.	12/10/2017	3503325	17864865.5	
	Sumitomo Wiring Systems, Ltd.				
	Sumitomo Electric Industries, Ltd.				
3505080	Ethicon LLC	28/12/2018	3505080	18275207.1	
3510347	Milwaukee Electric Tool Corporation	05/09/2017	3510347	17849399.5	
3512910	Clariant International Ltd	06/09/2017	3512910	17772319.4	
3515759	Carl Zeiss Jena GmbH	20/09/2017	3515759	17771429.2	German
3515937	Teva Pharmaceuticals International GmbH	22/09/2017	3515937	17785013.8	
3517483	Jungheinrich Aktiengesellschaft	16/01/2019	3517483	19152180.6	German
3518898	The Children's Medical Center Corporation	03/10/2017	3518898	17859008.9	
	Dompé farmaceutici S.p.A.				
3523675	GM Global Technology Operations LLC	06/10/2016	3523675	16918438.9	
3526600	Bio-Rad Laboratories, Inc.	13/10/2017	3526600	17860464.1	
3529343	Sterilex LLC	18/10/2017	3529343	17794149.9	
3531527	Beijing Goldwind Science & Creation	09/05/2018	3531527	18877290.9	
	Windpower Equipment Co., Ltd.				
3534333	Aptiv Technologies AG	28/02/2018	3534333	18159313.8	
3540808	Samsung Display Co., Ltd.	16/03/2018	3540808	18162292.9	
3550072	ANDRITZ INC.	01/04/2019	3550072	19166479.6	
3552754	Hyundai Steel Company	28/05/2013	3552754	19177652.5	
3553413	Bleckmann GmbH & Co. KG	23/06/2015	3553413	19165508.3	
3558234	L'OREAL	20/12/2017	3558234	17821621.4	
3559701	HERE Global B.V.	06/12/2017	3559701	17809301.9	
3561798	Tsubota Laboratory, Inc.	26/12/2017	3561798	17888277.5	
3562409	Advanced Medical Solutions Limited	22/12/2017	3562409	17823198.1	
3563408	Kla-Tencor Corporation	16/02/2018	3563408	18754674.2	
3564459	SOPREMA (SAS)	29/04/2019	3564459	19171649.7	French
3565629	Fresenius Kabi Deutschland GmbH	12/12/2017	3565629	17809331.6	
3567737	Samsung Electronics Co., Ltd.	06/03/2019	3567737	19160952.8	
3567870	Apple Inc.	23/09/2016	3567870	19179412.2	
3569348	Shanghai Electric Nuclear Power	19/01/2017	3569348	17892036.9	
	Equipment Co., Ltd				
3570932	Medtronic MiniMed, Inc.	19/01/2018	3570932	18709193.9	
3572417	Sage Therapeutics, LLC	12/10/2012	3572417	19169283.9	
3576132	IMEC vzw	28/05/2018	3576132	18174617.3	
3576949	Technotape Holding B.V.	31/01/2018	3576949	18709407.3	
3577848	ARRIS Enterprises LLC	31/01/2018	3577848	18704788.1	
3584651	Fuji Corporation	14/02/2017	3584651	17896962.2	
3591395	Hach Lange GmbH	04/07/2018	3591395	18181661.2	
3593302	Mts Consulting & Engineering GmbH	06/03/2018	3593302	18710404.7	German
3600127	Pedulla, Eugenio	23/03/2018	3600127	18711580.3	
3603219	Sony Group Corporation	20/03/2018	3603219	18711355.0	
3605553	Tata Consultancy Services Limited	30/07/2019	3605553	19189164.7	
3608813	GUANGDONG OPPO MOBILE	19/04/2019	3608813	19794400.2	
	TELECOMMUNICATIONS CORP., LTD.				
3609965	Syensqo Specialty Polymers Italy S.p.A.	09/04/2018	3609965	18714794.7	
3611028	Viavi Solutions Inc.	09/08/2019	3611028	19190942.3	
3612245	Technische Universität Wien	20/04/2018	3612245	18719831.2	German
3614348	NXP B.V.	31/07/2019	3614348	19189449.2	
3615101	Longevity Neuro Solutions, Inc.	07/03/2018	3615101	18790322.4	
3615267	Magswitch Automation Company	27/04/2018	3615267	18792036.8	
3616347	Motorola Mobility LLC	26/04/2018	3616347	18724091.6	
3616499	Nichia Corporation	27/04/2018	3616499	18789908.3	
3617149	Petrochina Company Limited	29/08/2019	3617149	19194480.0	
3617493	PACCAR INC	27/08/2019	3617493	19193859.6	
3618765	ALCON INC.	30/04/2018	3618765	18725920.5	
3619434	Fluid Handling LLC	01/05/2018	3619434	18794281.8	
3623995	Apple Inc.	01/08/2019	3623995	19189665.3	

3624728	Navigate Cardiac Structures, Inc.	14/05/2018	3624728	18801542.4	
3625682	Factory Mutual Insurance Company	14/06/2018	3625682	18824382.8	
3627965	LG Electronics Inc.	16/05/2018	3627965	18802257.8	
3630151	Stem Pharm, Incorporated	29/05/2018	3630151	18808988.2	
3630880	POET Research, Inc.	24/05/2017	3630880	17733212.9	
3631807	Canon Kabushiki Kaisha	21/05/2018	3631807	18730135.3	
3631828	Tyco Electronics (Shenzhen) Co. Ltd.	31/05/2018	3631828	18728157.1	
3631954	ebm-papst Mulfingen GmbH & Co. KG	29/05/2018	3631954	18728350.2	German
3633551	Baidu Online Network Technology (Beijing) Co., Ltd.	11/07/2019	3633551	19185798.6	
3634523	Case Western Reserve University	07/06/2018	3634523	18734723.2	
3638052	Algama	15/06/2018	3638052	18756266.5	French
3638269	Hsia, Houn Simon	13/06/2018	3638269	18816771.2	
3639183	Cisco Technology, Inc.	08/06/2018	3639183	18735080.6	
3639356	Starfire Industries, LLC	12/06/2018	3639356	18818964.1	
3639578	QUALCOMM Incorporated	14/06/2018	3639578	18737127.3	
3639666	Martin Bretones, Germán Ortega Carrasco, Javier Carlos Fernandez Aguilera, Juan Antonio	11/10/2019	3639666	19202718.3	
3641306	Dolby Laboratories Licensing Corporation	11/10/2016	3641306	19207073.8	
3641403	ZTE Corporation	11/06/2018	3641403	18818665.4	
3641844	Boston Scientific Scimed, Inc.	21/05/2018	3641844	18730579.2	
3643148	3D Glass Solutions, Inc.	28/03/2019	3643148	19784673.6	
3643230	Biosense Webster (Israel) Ltd.	21/10/2019	3643230	19204352.9	
3643267	Spier, Laurence	30/06/2015	3643267	19196547.4	
3645718	The Regents of the University of California	29/06/2018	3645718	18822633.6	
3646087	Corning Research & Development Corporation	26/06/2018	3646087	18742683.8	
3646359	KYOCERA AVX Components Corporation	29/06/2018	3646359	18824607.8	
3646979	Lincoln Global, Inc.	30/10/2019	3646979	19206298.2	
3647934	CANON KABUSHIKI KAISHA	17/10/2019	3647934	19203803.2	
3648189	BOE Technology Group Co., Ltd.	20/06/2018	3648189	18811433.4	
3648190	BOE Technology Group Co., Ltd.	10/01/2018	3648190	18823282.1	
3648373	Arcadyan Technology Corporation	24/10/2019	3648373	19205043.3	
3652681	Samsung Electronics Co., Ltd.	08/08/2018	3652681	18843620.8	
3656763	Siga Technologies, Inc.	14/08/2013	3656763	19219627.7	
3659127	JES	26/07/2018	3659127	18758936.1	French
3662260	Zoetis Services LLC	27/07/2018	3662260	18756019.8	
3665776	POLITECHNIKA WARSZAWSKA	07/08/2018	3665776	18845061.3	
3666018	QUALCOMM Incorporated	10/08/2018	3666018	18762964.7	
3668170	NTT DOCOMO, INC.	10/08/2017	3668170	17920634.7	
3669602	Telefonaktiebolaget LM Ericsson (publ)	17/08/2018	3669602	18846478.8	
3670364	Ishida Co., Ltd.	25/07/2018	3670364	18846610.6	
3671413	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	07/05/2018	3671413	18810873.2	
3671941	LG Energy Solution, Ltd.	13/02/2019	3671941	19754575.9	
3674345	Lotte Advanced Materials Co., Ltd.	24/12/2019	3674345	19219648.3	
3676533	Gentex Corporation	30/08/2018	3676533	18851094.5	
3676564	Saab AB	31/08/2017	3676564	17923694.8	
3676906	BAE Systems PLC	21/08/2018	3676906	18755533.9	
3677040	Roku, Inc.	30/08/2018	3677040	18850239.7	
3678659	Eagle Pharmaceuticals, Inc.	05/09/2018	3678659	18779490.4	
3678786	Husqvarna AB	05/09/2018	3678786	18853068.7	
3679426	Buckeye International, Inc.	07/09/2018	3679426	18854374.8	
3679924	WÖRWAG Pharma GmbH & Co.KG	11/08/2015	3679924	19211045.0	
3682228	Faxitron Bioptics, LLC	11/09/2018	3682228	18853903.5	
3682859	Yamaha Hatsudoki Kabushiki Kaisha	14/09/2017	3682859	17925190.5	
3683077	Hydac Cooling GmbH	19/12/2019	3683077	19218244.2	German
3683118	Siemens Mobility AG	15/01/2019	3683118	19151779.6	German
3683574	KYB Corporation	14/05/2018	3683574	18854002.5	
3683834	BOE Technology Group Co., Ltd.	02/08/2018	3683834	18855818.3	

3684345	Oklahoma Medical Research Foundation	10/09/2018	3684345	18858743.0	French
3685445	Nederlandse Organisatie voor toegepast-natuurwetenschappelijk Onderzoek TNO	20/09/2018	3685445	18789504.0	
3685555	INTEL Corporation	17/09/2018	3685555	18857090.7	
3685748	Becton, Dickinson and Company	05/03/2009	3685748	20160606.8	
3686527	LG Electronics Inc.	19/09/2018	3686527	18857906.4	
3686799	StradVision, Inc.	31/12/2019	3686799	19220233.1	
3686885	Hangzhou Hikvision Digital Technology Co., Ltd.	18/09/2018	3686885	18856710.1	
3688173	Intellia Therapeutics, Inc.	28/09/2018	3688173	18792674.6	
3689016	Sony Group Corporation Sony Mobile Communications, Inc.	27/09/2018	3689016	18778909.4	
3689315	C-Eng Co., Ltd.	26/09/2018	3689315	18860864.0	
3690435	Cai, Jianping	25/09/2018	3690435	18860064.7	
3690812	Astemo, Ltd.	26/07/2018	3690812	18858786.9	
3695030	Czinner, Robert	15/10/2018	3695030	18866822.2	
3695220	General Electric Company	09/10/2018	3695220	18867269.5	
3695433	Fibics Incorporated	12/10/2018	3695433	18866354.6	
3696672	ABB Schweiz AG	13/02/2020	3696672	20157168.4	
3697229	Vi Healthy Living Ltd.	19/10/2018	3697229	18800483.2	
3697293	Starkey Laboratories, Inc.	17/10/2018	3697293	18811098.5	
3698079	Gaztransport et Technigaz	16/10/2018	3698079	18797016.5	
3699017	Volvo Car Corporation	19/02/2020	3699017	20158186.5	
3699415	Yanmar Power Technology Co., Ltd.	08/08/2018	3699415	18868269.4	
3699615	Vayo (Shanghai) Technology Co., Ltd.	28/12/2017	3699615	17928899.8	
3701726	LG Electronics Inc.	24/10/2018	3701726	18871734.2	
3702834	BOE Technology Group Co., Ltd.	10/08/2018	3702834	18869964.9	
3703256	Sony Semiconductor Solutions Corporation	23/10/2018	3703256	18871710.2	
3703999	Crover Ltd	31/10/2018	3703999	18815786.1	
3704737	INTEL Corporation	03/11/2017	3704737	17931078.4	
3704854	Zhejiang Dahua Technology Co., Ltd.	02/11/2018	3704854	18885279.2	
3706605	Breville PTY Limited	07/11/2018	3706605	18875174.7	
3707504	S.C.R. (ENGINEERS) LIMITED	31/10/2018	3707504	18875586.2	
3707864	Pensando Systems Inc.	05/11/2018	3707864	18873802.5	
3707934	QUALCOMM Incorporated	09/11/2018	3707934	18836687.6	
3710032	The Translational Genomics Research Institute	15/11/2018	3710032	18878173.6	
3710385	Laitram, L.L.C.	05/11/2018	3710385	18878400.3	
3711388	QUALCOMM Incorporated	16/11/2018	3711388	18815440.5	
3712949	Samsung Display Co., Ltd.	13/03/2020	3712949	20163035.7	
3715066	Kawasaki Jukogyo Kabushiki Kaisha	26/10/2018	3715066	18880642.6	
3716070	INTEL Corporation	10/01/2020	3716070	20151086.4	
3718299	Waymo LLC	18/12/2018	3718299	18894992.9	
3719323	Gree Green Refrigeration Technology Center Co., Ltd. of Zhuhai	03/07/2018	3719323	18883099.6	
3720804	Porifera Inc.	06/12/2018	3720804	18886863.2	German
3722802	Korea Research Institute of Standards and Science	18/10/2018	3722802	18889676.5	
3725169	Philip Morris Products S.A.	24/02/2017	3725169	20166324.2	
3726277	Panasonic Automotive Systems Co., Ltd.	23/10/2018	3726277	18888329.2	
3726830	Sony Semiconductor Solutions Corporation	31/05/2017	3726830	20175010.6	
3727369	Cornell University	20/12/2018	3727369	18892819.6	
3729345	Boston Dynamics, Inc.	17/09/2018	3729345	18793287.6	
3731031	STMicroelectronics S.r.l.	22/04/2020	3731031	20170811.2	
3731202	doop Osakeyhtiö	14/04/2020	3731202	20169499.9	
3732122	NIKE Innovate C.V.	19/12/2018	3732122	18834177.0	
3732542	PlusAI, Inc.	18/12/2018	3732542	18896328.4	
3733825	Henkel AG & Co. KGaA	20/07/2016	3733825	20173373.0	
3734168	GD Midea Air-Conditioning Equipment Co., Ltd. Midea Group Co., Ltd.	25/04/2019	3734168	19768996.1	
3734463	INTEL Corporation	05/02/2020	3734463	20155581.0	

3736841	Shizuki Electric Co., Inc.	25/01/2019	3736841	19743377.4	
3737019	Murata Manufacturing Co., Ltd.				
3737019	GUANGDONG OPPO MOBILE	14/02/2018	3737019	18906589.9	
	TELECOMMUNICATIONS CORP., LTD.				
3737682	BASF SE	10/01/2019	3737682	19701782.5	
	Universität des Saarlandes				
3737795	SCHWIHAG AG	08/01/2019	3737795	19700351.0	German
3740151	Pulse Biosciences, Inc.	14/01/2019	3740151	19741574.8	
3740420	Camso Inc.	15/01/2019	3740420	19741080.6	
3741168	Charter Communications Operating, LLC	15/01/2019	3741168	19738165.0	
3741613	Hyundai Transys Inc.	19/05/2020	3741613	20175428.0	
3743165	ALUDESIGN S.p.A.	24/01/2019	3743165	19707114.5	
3744547	Mazda Motor Corporation	20/05/2020	3744547	20175659.0	
3747739	Zephyros Inc.	07/06/2019	3747739	19179122.7	
3747978	IDEMITSU KOSAN CO., LTD.	30/01/2019	3747978	19747161.8	
3750006	Sheldon, Brent	07/02/2019	3750006	19751285.8	
3750134	Covidien LP	08/02/2019	3750134	19751690.9	
3750854	Shin-Etsu Quartz Products Co., Ltd.	17/01/2019	3750854	19751622.2	
3751187	Dai Nippon Printing Co., Ltd.	08/02/2019	3751187	19750644.7	
3751450	Tencent Technology (Shenzhen) Company Limited	27/06/2019	3751450	19845530.5	
3752782	Farmet A.S.	12/02/2019	3752782	19708926.1	
3753008	Holografika Kft.	06/02/2018	3753008	18715250.9	
3753928	Solus Advanced Materials Co., Ltd.	24/12/2015	3753928	20186707.4	
3754653	Cerence Operating Company	15/06/2016	3754653	20175146.8	
3755677	icotec AG	11/02/2019	3755677	19704614.7	
3756732	Yoke Industrial Corp.	10/10/2019	3756732	19202495.8	
3756788	GTP Schäfer Gießtechnische Produkte GmbH	24/06/2019	3756788	19182038.0	German
3757760	KunlunXin Technology (Beijing) Company Limited	10/12/2019	3757760	19214645.4	
3757788	THE CALANY Holding S.à.r.l.	18/06/2020	3757788	20180906.8	
3759594	Carl Zeiss Microscopy GmbH	28/02/2019	3759594	19708827.1	German
	Carl Zeiss AG				
3760025	Andreas Stihl AG & Co. KG	01/07/2019	3760025	19183569.3	German
3760123	IMEC vzw	05/07/2019	3760123	19184711.0	
	Katholieke Universiteit Leuven				
	KU Leuven Research & Development				
	Stichting IMEC Nederland				
3761230	Tencent Technology (Shenzhen) Company Limited	26/02/2019	3761230	19759953.3	
3761814	Philip Morris Products S.A.	25/02/2019	3761814	19707767.0	
3762102	Elekta Limited	26/03/2019	3762102	19713793.8	
3762188	TGW Logistics GmbH	07/03/2019	3762188	19718227.2	German
3762542	Giesecke+Devrient Currency Technology GmbH	08/03/2019	3762542	19711499.4	German
3762765	Magic Leap, Inc.	01/03/2019	3762765	19765005.4	
3763373	Wuhan LL Science And Technology Development Co., Ltd.	08/03/2019	3763373	19764431.3	
3764798	Pioneer Hi-Bred International, Inc.	12/03/2019	3764798	19766594.6	
	Hexima Limited				
3767838	Wafer LLC	15/07/2020	3767838	20185887.5	
3768856	Illumina, Inc.	15/03/2019	3768856	19714042.9	
3772773	Nokia Solutions and Networks Oy	08/08/2019	3772773	19190769.0	
3773362	Covidien LP	10/04/2019	3773362	19786227.9	
3773794	Novo Nordisk A/S	10/01/2019	3773794	19700032.6	
3776902	QUALCOMM INCORPORATED	22/03/2019	3776902	19715733.2	
3778094	Mazda Motor Corporation	27/03/2019	3778094	19775582.0	
3778580	BP Corporation North America Inc.	03/03/2016	3778580	20182712.8	
3779880	NEC Solution Innovators, Ltd.	14/09/2018	3779880	18911544.7	
3781008	Alfred Kärcher SE & Co. KG	18/04/2019	3781008	19719477.2	German
3782300	QUALCOMM Incorporated	17/04/2019	3782300	19788518.9	

3782589	Bridgestone Corporation	17/04/2019	3782589	19788626.0	
3783055	The Procter & Gamble Company	23/08/2019	3783055	19193221.9	
3783827	HUAWEI TECHNOLOGIES CO., LTD.	17/05/2019	3783827	19808446.9	
3784196	Giacomini, Jean Philippe	25/04/2019	3784196	19841018.5	
	Pownall, Thomas				
3784538	Scania CV AB	17/04/2019	3784538	19793060.5	
3785326	HRL LABORATORIES, LLC	26/02/2019	3785326	19793239.5	
3786067	Pratt & Whitney Canada Corp.	26/08/2020	3786067	20192934.6	
	Hamilton Sundstrand Corporation				
3786823	Darktrace Holdings Limited	27/08/2020	3786823	20193144.1	
3788446	AspenTech Corporation	20/03/2019	3788446	19715643.3	
3788694	Equinix, Inc.	17/07/2020	3788694	20753837.2	
3789450	Henkel AG & Co. KGaA	05/09/2019	3789450	19195518.6	German
3790267	GMG GmbH & Co. KG	06/09/2019	3790267	19195923.8	German
3790610	Industrie Borla S.p.A.	14/03/2019	3790610	19715580.7	
3791244	Apple Inc.	08/04/2019	3791244	19718891.5	
3791970	Antonini, Marco	14/11/2016	3791970	20204847.6	
3793124	InterDigital Patent Holdings, Inc.	30/03/2017	3793124	20203491.4	
3794888	Outdoor Wireless Networks LLC	15/05/2019	3794888	19803808.5	
3795622	Kaneka Corporation	09/05/2019	3795622	19803347.4	
	Kaneka Belgium N.V.				
3795945	Topcon Corporation	09/09/2020	3795945	20195192.8	
3796804	Realization Desal AG	29/01/2019	3796804	19702258.5	German
3797539	Lenovo (Beijing) Limited	23/05/2018	3797539	18919930.0	
3797582	Seminis Vegetable Seeds, Inc.	25/09/2020	3797582	20198280.8	
3797915	Ingersoll-Rand Industrial U.S., Inc.	25/09/2020	3797915	20198323.6	
3798049	Transtek Industries (HK) Limited	24/10/2019	3798049	19205216.5	
3798284	Samsung Electronics Co., Ltd.	19/05/2020	3798284	20175326.6	
3798432	LG Electronics Inc.	24/09/2020	3798432	20198075.2	
3798963	Toshiba TEC Kabushiki Kaisha	21/08/2020	3798963	20192055.0	
3799176	Samsung Electronics Co., Ltd.	23/09/2020	3799176	20197641.2	
3799381	Nokia Technologies Oy	22/05/2019	3799381	19808061.6	
3800408	Commissariat à l'Energie Atomique et aux Energies Alternatives	29/09/2020	3800408	20199078.5	French
3800601	SAP SE	18/09/2020	3800601	20196937.5	
3800794	Solaredge Technologies Ltd.	29/09/2020	3800794	20198889.6	
3801695	Credence Medsystems, Inc.	07/06/2019	3801695	19733357.8	
3801827	Corning Incorporated	30/05/2019	3801827	19736845.9	
3804188	HUAWEI TECHNOLOGIES CO., LTD.	02/07/2019	3804188	19830438.8	
3804590	LG Electronics Inc.	05/10/2020	3804590	20200136.8	
3805486	Latham Pool Products, Inc.	07/10/2020	3805486	20200639.1	
3806625	Askvik Aqua AS	13/06/2019	3806625	19820472.9	
3807688	JENOPTIK Optical Systems GmbH	29/05/2019	3807688	19728029.0	German
3808159	terraplasma GmbH	13/06/2019	3808159	19732563.2	German
	terraplasma medical GmbH				
3808334	Symrise AG	13/10/2011	3808334	20203593.7	
3808554	NISSAN MOTOR CO., LTD.	18/06/2018	3808554	18923250.7	
	Renault s.a.s				
3811623	HUAWEI TECHNOLOGIES CO., LTD.	09/10/2019	3811623	19871080.8	
3813113	InnoCare Optoelectronics Corporation	20/10/2020	3813113	20202713.2	
3813236	Hitachi Industrial Products, Ltd.	28/01/2019	3813236	19815911.3	
3813608	CMA Macchine per caffè S.r.l.	28/06/2019	3813608	19745767.4	
3814440	Iconex LLC	20/06/2019	3814440	19824829.6	
3814832	RealD Spark, LLC	21/06/2019	3814832	19825448.4	
3814892	QUALCOMM INCORPORATED	17/06/2019	3814892	19735067.1	
3814991	Entrust Corporation	31/05/2019	3814991	19810699.9	
3815237	Robert Bosch GmbH	05/06/2019	3815237	19728682.6	German
3815255	Nokia Technologies OY	20/06/2019	3815255	19732982.4	
3815382	InterDigital VC Holdings, Inc.	21/05/2019	3815382	19727920.1	
3816255	Sika Technology AG	07/06/2019	3816255	19820282.2	
3816784	Toshiba Tec Kabushiki Kaisha	22/07/2020	3816784	20187181.1	
3817129	LG Energy Solution, Ltd.	26/06/2020	3817129	20841854.1	

3817413	Volkswagen AG	30/10/2019	3817413	19206151.3	French
3817493	Vivo Mobile Communication Co., Ltd.	30/05/2019	3817493	19821831.5	
3818847	KT&G Corporation	26/06/2020	3818847	20785665.9	
3818889	KT&G Corporation	07/11/2019	3818889	19894795.4	
3819558	Qingdao Haier Air-Conditioning Electronic Co., Ltd	26/12/2019	3819558	19938614.5	
	Haier Smart Home Co., Ltd.				
3823022	Samsung Electronics Co., Ltd.	20/10/2020	3823022	20202906.2	
3823535	Mayo Foundation for Medical Education and Research	19/07/2019	3823535	19749518.7	
3823990	TeneoTwo, Inc.	19/07/2019	3823990	19749123.6	
3824511	SWISSto12 SA	27/03/2020	3824511	20716218.1	
3825278	Shanghai Rolechem Co., Ltd.	16/06/2020	3825278	20180159.4	
3825717	Kyocera Corporation	01/07/2019	3825717	19838549.4	
3826109	Samsung Electronics Co., Ltd.	22/08/2019	3826109	19853035.4	
3826285	Vivo Mobile Communication Co., Ltd.	03/07/2019	3826285	19838328.3	
3827073	Ecovative LLC	23/07/2019	3827073	19841882.4	
3827814	Domp�� farmaceutici S.p.A.	25/11/2020	3827814	20209808.3	
3827868	Medtronic Navigation, Inc.	24/03/2016	3827868	20213535.6	
3828608	Corning Research And Development Corporation	16/11/2020	3828608	20207823.4	
3829355	Fontem Ventures B.V.	01/08/2018	3829355	18928762.6	
3830703	Micron Technology, Inc.	24/07/2019	3830703	19845010.8	
3832803	KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES	08/07/2019	3832803	19845315.1	
3833080	VIVO MOBILE COMMUNICATION CO., LTD.	26/07/2019	3833080	19844641.1	
3833289	Koninklijke Philips N.V.	09/08/2019	3833289	19755312.6	French
3833409	Hologic, Inc.	31/07/2019	3833409	19762245.9	
3834116	Cisco Technology, Inc.	07/08/2018	3834116	18929057.0	
3834175	Ocean Infinity (Portugal), S.A.	08/08/2018	3834175	18770077.8	
3834275	HELLA GMBH & CO. KGAA	07/08/2019	3834275	19779122.1	
3834360	Microsoft Technology Licensing, LLC	25/06/2019	3834360	19737639.5	
3834648	NIKE Innovate C.V.	17/10/2017	3834648	21154967.0	
3834991	Koki Holdings Co., Ltd.	02/08/2019	3834991	19846166.7	
3835690	DoubleDay Acquisitions, LLC	20/02/2014	3835690	20193856.0	
3836649	Innovative Technology Lab Co., Ltd.	09/08/2019	3836649	19846704.5	
3836703	Beijing Xiaomi Mobile Software Co., Ltd.	10/08/2018	3836703	18929322.8	
3836806	KT&G Corporation	06/10/2020	3836806	20861972.6	
3837064	Rairigh, James, G.	16/08/2019	3837064	19849212.6	
3837312	3M Innovative Properties Company	07/08/2019	3837312	19756074.1	
3837651	Visa International Service Association	17/08/2018	3837651	18778591.0	
3838803	Beijing Jingdong Qianshi Technology Co., Ltd.	12/08/2019	3838803	19862120.3	
3840845	Anderson, Mary Helen	23/08/2019	3840845	19762731.8	
	Anderson, Harry				
3841305	Baker Hughes Oilfield Operations LLC	08/07/2019	3841305	19851580.1	
3842266	Baolong Huf Shanghai Electronic Co., Ltd.	29/05/2019	3842266	19851524.9	
3843001	Mobileye Vision Technologies Ltd.	21/07/2017	3843001	21154158.6	French
3843002	Mobileye Vision Technologies Ltd.	21/07/2017	3843002	21154882.1	
3843318	Samsung SDS Co., Ltd.	09/09/2020	3843318	20195188.6	
3843463	NTT DoCoMo, Inc.	24/07/2019	3843463	19852375.5	
3843469	FUJITSU LIMITED	20/08/2018	3843469	18930724.2	
3843529	Seoul Viosys Co., Ltd.	28/08/2019	3843529	19855903.1	
3843808	Bayer HealthCare LLC	27/08/2019	3843808	19765895.8	
3843820	AptarGroup, Inc.	28/08/2019	3843820	19855575.7	
3843921	Deublin Company, LLC	30/08/2019	3843921	19856136.7	
3844233	Formulated Solutions, LLC	30/08/2019	3844233	19853900.9	
3844707	Sony Group Corporation	16/10/2019	3844707	19872709.1	
	Sony Pictures Entertainment, Inc.				
3846206	BOE TECHNOLOGY GROUP CO., LTD.	23/07/2019	3846206	19853266.5	
3846386	Samsung Electronics Co., Ltd.	28/12/2020	3846386	20217445.4	

3846729	Aesculap AG	04/09/2019	3846729	19765680.4	German
3847585	Oracle International Corporation	23/07/2019	3847585	19749968.4	
3848316	Hitachi, Ltd.	06/09/2018	3848316	18932359.5	
3848952	Hamilton Sundstrand Corporation	22/12/2020	3848952	20216400.0	
3849376	Duolab International Sàrl	14/08/2019	3849376	19752531.4	French
3849674	Minimax Viking Patent Management GmbH	12/09/2019	3849674	19778717.9	
3850039	Dow Global Technologies LLC	12/09/2019	3850039	19773711.7	
	Georgia Tech Research Corporation				
3850952	Universitatea Stefan cel Mare Suceava - Romania	12/02/2020	3850952	20464003.1	
3851158	AI Silk Corporation	10/09/2019	3851158	19861123.8	
3851433	Qingdao Hailan Pharmaceuticals Co., Ltd.	11/09/2019	3851433	19859050.7	
3851682	Gree Electric Appliances, Inc. of Zhuhai	23/10/2019	3851682	19900666.9	
3852518	Automated Pet Care Products, LLC	19/09/2019	3852518	19780479.2	
3852767	Vifor (International) AG	18/09/2019	3852767	19782483.2	
3853554	Koninklijke Philips N.V.	17/09/2019	3853554	19772693.8	
3853751	ASSA ABLOY AB	17/09/2019	3853751	19773381.9	
3853838	Mentice AB	20/09/2019	3853838	19790895.7	
3853911	Sense Photonics, Inc.	30/10/2019	3853911	19879046.1	
3853983	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	19/09/2019	3853983	19773054.2	German
3854224	Nihon Sizen Hakkoh Co., Ltd.	21/09/2018	3854224	18827732.1	
3854766	NGK Insulators, Ltd.	06/12/2018	3854766	18942212.4	
	NGK Electronics Devices, Inc.				
3855329	Google LLC	28/01/2019	3855329	21162847.4	
3855551	LG Energy Solution, Ltd.	04/06/2020	3855551	20825793.1	
3856981	Volvo Construction Equipment AB	27/09/2018	3856981	18935330.3	
3857925	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	20/09/2019	3857925	19769531.5	
3858011	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	20/09/2019	3858011	19769530.7	
3860019	VIVO MOBILE COMMUNICATION CO., LTD.	22/08/2019	3860019	19864605.1	
3860027	Innovative Technology Lab Co., Ltd.	27/09/2019	3860027	19867691.8	
3860117	OMRON Corporation	18/09/2019	3860117	19865605.0	
3862260	Ratier-Figeac SAS	10/02/2020	3862260	20305126.3	
3862639	Gonggong Co., Ltd.	06/08/2019	3862639	19869571.0	
3862692	LG Electronics Inc.	01/10/2019	3862692	19868712.1	
3862923	Casio Computer Co., Ltd.	24/03/2020	3862923	20165331.8	
3862996	Volvo Car Corporation	04/02/2021	3862996	21155111.4	
3864889	Signify Holding B.V.	07/10/2019	3864889	19780257.2	
3865373	JTEKT CORPORATION	11/02/2021	3865373	21156560.1	
3865814	Panasonic Intellectual Property Management Co., Ltd.	09/10/2019	3865814	19871893.4	
3865921	Magic Leap, Inc.	15/01/2014	3865921	21164627.8	
3865998	ALIBABA GROUP HOLDING LIMITED	27/09/2019	3865998	19871446.1	
3866043	inigence gmbh	25/01/2021	3866043	21153288.2	German
	Hochschule Heilbronn				
3866488	Universität Stuttgart	12/02/2021	3866488	21156825.8	German
3866497	VOLKSWAGEN AG	11/02/2020	3866497	20156512.4	
3866885	Bio Health Frontiers, Inc.	16/10/2019	3866885	19872879.2	
3867759	NetApp, Inc.	15/10/2019	3867759	19797922.2	
3868049	QUALCOMM Incorporated	16/10/2018	3868049	18937501.7	
3868213	Fuji Oil Co., Ltd.	11/10/2019	3868213	19872462.7	
3868618	ADS - L. Kowalik, B. Wlodarczyk - s. c. (civil partnership)	10/02/2021	3868618	21000042.8	
3868852	Idemitsu Kosan Co., Ltd.	26/09/2019	3868852	19873467.5	
3869095	TRILUX GmbH & Co. KG	19/02/2021	3869095	21158105.3	German
3870317	Firexo COTM Limited	11/10/2019	3870317	19790739.7	
3870508	Airbus Operations Limited	19/05/2020	3870508	20729000.8	
	Airbus Operations (S.A.S.)				

3871527	Japan Tobacco Inc.	26/10/2018	3871527	18937682.5	
3872395	HELLA Saturnus Slovenija d.o.o.	27/02/2020	3872395	20159862.0	
3872446	Weber Food Technology SE & Co. KG	17/12/2018	3872446	21162603.1	German
3872533	KABUSHIKI KAISHA TOSHIBA	17/10/2019	3872533	19876970.5	
	Toshiba Materials Co., Ltd.				
3872951	Wacker Neuson Produktion GmbH & Co. KG	18/02/2021	3872951	21157909.9	German
3873811	JBT AeroTech Corporation	24/10/2019	3873811	19804960.3	
3874014	Castrol Limited	29/10/2019	3874014	19797240.9	
3874316	The Regents Of The University Of Michigan	31/10/2018	3874316	18938456.3	
3874604	ZTE Corporation	31/10/2018	3874604	18930116.1	
3875370	B/E Aerospace, Inc.	05/03/2021	3875370	21161082.9	
3875531	LG Chem, Ltd.	21/08/2020	3875531	20875294.9	
3875762	Li, Shiqing	30/10/2019	3875762	19879647.6	
3876545	Hyperconnect LLC	02/03/2021	3876545	21160286.7	
3876631	NEC Corporation	23/08/2019	3876631	19878036.3	
3877102	Federal-Mogul Valvetrain GmbH	10/02/2020	3877102	20704840.6	German
3877143	Windmüller & Hölscher KG	05/11/2019	3877143	19798293.7	German
3877462	Apollo Tyres Global R&D B.V.	07/11/2019	3877462	19797303.5	
3878003	Spark Thermionics, Inc.	06/11/2019	3878003	19882398.1	
3878289	Altria Client Services LLC	18/07/2016	3878289	21155344.1	
3878365	Biosense Webster (Israel) Ltd.	11/03/2021	3878365	21161937.4	
3879063	Pella Corporation	04/03/2021	3879063	21160738.7	
3879175	Eberspächer Climate Control Systems GmbH	09/02/2021	3879175	21155976.0	German
3879739	HUAWEI TECHNOLOGIES CO., LTD.	07/08/2013	3879739	20213325.2	
3880700	R.G.C.C. Holdings AG	18/11/2019	3880700	19816210.9	
3881624	Samsung Electronics Co., Ltd.	23/01/2020	3881624	20744761.6	
3881778	Thornhill Research Inc.	25/06/2015	3881778	20207673.3	
	TBI Innovations, LLC				
3882470	GD Midea Air-Conditioning Equipment Co., Ltd.	26/04/2019	3882470	19887403.4	
	Midea Group Co., Ltd.				
3882682	Leica Instruments (Singapore) Pte. Ltd.	16/03/2021	3882682	21162791.4	
3883055	Outdoor Wireless Networks LLC	10/04/2015	3883055	21171913.3	
3883199	The Boeing Company	26/02/2021	3883199	21159674.7	
3883576	Merck Sharp & Dohme LLC	15/11/2019	3883576	19887235.0	
3884897	Medtronic Ardian Luxembourg S.à.r.l.	28/08/2014	3884897	21172482.8	
3885875	Jabil Inc.	28/01/2021	3885875	21154112.3	
3886022	Toshiba Tec Kabushiki Kaisha	23/02/2021	3886022	21158841.3	
3886181	Jingao Solar Co., Ltd.	28/06/2019	3886181	19890987.1	
3887704	Compart Systems Pte. Ltd.	17/12/2019	3887704	19898071.6	
3888283	QUALCOMM INCORPORATED	28/11/2019	3888283	19827974.7	
3888284	QUALCOMM INCORPORATED	12/11/2019	3888284	19836198.2	
3888661	FrieslandCampina Nederland B.V.	31/03/2020	3888661	20167199.7	
3888727	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	12/02/2021	3888727	21156893.6	
3888840	Senju Metal Industry Co., Ltd.	11/05/2020	3888840	20815157.1	
3890378	Samsung Electronics Co., Ltd.	13/02/2020	3890378	20758847.6	
3890591	Jiang, Ruowei	03/12/2019	3890591	19892814.5	
	Ma, Junwei				
	Ma, He				
	Elmoznino, Eric				
	Kezele, Irina				
	Levinshtein, Alex				
	Despois, Julien				
	Perrot, Matthieu				
	Flament, Frederic Antoinin Raymond Serge				
	Aarabi, Parham				

3891920	Samsung Electronics Co., Ltd.	23/03/2020	3891920	20777189.0	
3893149	TOYOTA JIDOSHA KABUSHIKI KAISHA	26/03/2021	3893149	21165338.1	
3893168	Accenture Global Solutions Limited	26/03/2021	3893168	21165355.5	
3895279	ThyssenKrupp Steel Europe AG	17/01/2020	3895279	20701307.9	German
3896300	Toshiba Materials Co., Ltd. KABUSHIKI KAISHA TOSHIBA	19/11/2019	3896300	19895924.9	
3896458	JEOL Ltd.	09/04/2021	3896458	21167662.2	
3901012	HYUNDAI MOTOR COMPANY Kia Corporation	07/09/2020	3901012	20194862.7	
3901166	Nanjing Fengrui Biotechnology Co., Ltd.	07/03/2019	3901166	19909965.6	
3901232	LG Chem, Ltd.	24/12/2020	3901232	20909248.5	
3904921	Dexerials Corporation	27/05/2016	3904921	21169177.9	
3905617	Sandvine Corporation	15/04/2021	3905617	21168546.6	
3905635	Lenovo (Singapore) Pte. Ltd.	09/08/2018	3905635	21180572.6	
3905725	Sony Group Corporation	26/12/2019	3905725	19904561.8	
3905889	Corbion Biotech, Inc.	03/01/2020	3905889	20700017.5	
3906834	Illinois Tool Works, Inc.	04/05/2021	3906834	21171937.2	German
3907966	Juniper Networks, Inc.	12/04/2021	3907966	21167922.0	
3908143	Bihura LLC	19/11/2019	3908143	19909582.9	
3908774	Wurzer, Volker	10/01/2020	3908774	20702408.4	German
3909121	Grob-Werke GmbH & Co. KG	16/03/2020	3909121	20715677.9	German
3909161	ABB SCHWEIZ AG	07/01/2019	3909161	19700148.0	
3909319	Nokia Solutions and Networks Oy	10/01/2020	3909319	20700973.9	
3909946	Samsung Display Co., Ltd.	22/04/2021	3909946	21169952.5	
3910316	Kyungdong E&S Co., Ltd	02/01/2020	3910316	20739163.2	
3910938	LG Electronics Inc.	10/01/2020	3910938	20737985.0	
3911512	Milliken & Company	15/01/2020	3911512	20732000.3	
3912004	Germandrones GmbH	05/02/2020	3912004	20705623.5	German
3912052	QORVO US, INC.	08/01/2020	3912052	20703620.3	
3912084	Smiths Detection France S.A.S.	15/01/2020	3912084	20704069.2	
3912537	SEB S.A.	17/05/2021	3912537	21174214.3	French
3912937	KRONES AG	20/05/2021	3912937	21174985.8	German
3913687	Commissariat à l'Energie Atomique et aux Energies Alternatives	17/05/2021	3913687	21174012.1	French
3913716	Robert Bosch GmbH	29/03/2021	3913716	21165582.4	German
3914406	Wheels India Limited	14/08/2020	3914406	20876985.1	
3914773	The Trustees of Indiana University Toyota Jidosha Kabushiki Kaisha Ohio State Innovation Foundation	22/01/2020	3914773	20745854.8	
3914868	Arrowspot Systems Ltd.	23/01/2020	3914868	20710301.1	
3917750	Borealis GmbH	27/01/2020	3917750	20707569.8	
3918780	Windmüller & Hölscher KG	07/11/2019	3918780	19801531.5	German
3919986	Envisics Ltd.	08/04/2021	3919986	21167391.8	
3920877	Kao Corporation	29/01/2020	3920877	20701488.7	
3922002	Samsung Electronics Co., Ltd.	19/02/2020	3922002	20759948.1	
3922213	Edwards Lifesciences Innovation (Israel) Ltd.	14/10/2015	3922213	21181923.0	
3922633	Robertet S.A.	11/06/2021	3922633	21020307.1	French
3922718	Daan Gene Co., Ltd.	30/04/2020	3922718	20761492.6	
3923086	ETA SA Manufacture Horlogère Suisse	12/06/2020	3923086	20179601.8	French
3924505	10X Genomics, Inc.	12/02/2020	3924505	20710703.8	
3924700	Aspen Pumps Limited	11/02/2020	3924700	20705788.6	
3924702	Hahn-Schickard-Gesellschaft für angewandte Forschung e. V.	11/02/2020	3924702	20704293.8	German
3925114	Nokia Technologies Oy	15/02/2019	3925114	19706484.3	
3925372	Apogee Networks, LLC	28/12/2020	3925372	20829516.2	
3925880	The Boeing Company	15/04/2021	3925880	21168635.7	
3925954	DAIKIN INDUSTRIES, LTD.	12/02/2020	3925954	20755235.7	
3926718	GS Yuasa International Ltd.	26/03/2020	3926718	20777352.4	
3927193	JT International SA	18/02/2020	3927193	20707197.8	
3927200	Imperial Tobacco Limited	18/02/2020	3927200	20705708.4	

3927784	Fondazione Istituto Italiano di Tecnologia	19/02/2020	3927784	20713092.3	
3928132	The Regents of the University of California	14/02/2020	3928132	20758506.8	
3928285	Cedars-Sinai Medical Center	18/02/2020	3928285	20759057.1	
3928863	M Vest Water AS	15/03/2018	3928863	21191451.0	
3929260	Kaneka Corporation	12/02/2020	3929260	20758923.5	
3930072	FDK Corporation	19/02/2020	3930072	20758448.3	
3930092	Samsung SDI Co., Ltd.	26/03/2021	3930092	21165303.5	
3930393	NTT DOCOMO, INC.	22/02/2019	3930393	19915629.0	
3930515	Imperial Tobacco Limited	21/09/2020	3930515	20789849.5	
3931446	Vapotherm, Inc.	28/02/2020	3931446	20715236.4	
3931664	Samsung Electronics Co., Ltd.	09/09/2020	3931664	20879892.6	
3932354	Biosense Webster (Israel) Ltd.	09/06/2021	3932354	21178404.6	
3933036	MICROMUN Institut für Mikrobiologische Forschung GmbH	02/07/2020	3933036	20183693.9	
3933566	LG Electronics Inc.	28/02/2019	3933566	19886049.6	
3933782	Sony Group Corporation	18/01/2012	3933782	21183620.0	
3933870	GE Vernova Technology GmbH	01/07/2020	3933870	20183533.7	
3936545	LG CHEM, LTD.	15/05/2020	3936545	20809208.0	
3936571	mitsubishi gas chemical company, inc.	25/02/2020	3936571	20767126.4	
3936798	LG Electronics Inc.	21/06/2021	3936798	21180698.9	
3937289	LG Energy Solution, Ltd.	28/07/2020	3937289	20851855.5	
3938214	METAS, LLC	30/12/2019	3938214	19905895.9	
3938326	Université de Limoges Centre national de la recherche scientifique	05/03/2020	3938326	20709192.7	French
3938327	Université de Limoges Centre national de la recherche scientifique	05/03/2020	3938327	20709193.5	French
3938861	GHSP, INC.	16/03/2020	3938861	20772603.5	
3938871	Sony Interactive Entertainment Inc.	10/02/2020	3938871	20711369.7	
3939009	Apple Inc.	25/03/2020	3939009	20720240.9	
3939369	JRD COMMUNICATION (SHENZHEN) LTD.	28/09/2020	3939369	20870981.6	
3939694	Leibniz-Institut für Oberflächenmodifizierung e.V.	11/05/2021	3939694	21173258.1	German
3940244	ebm-papst Mulfingen GmbH & Co. KG	07/06/2021	3940244	21178045.7	German
3940436	Leica Instruments (Singapore) Pte. Ltd.	15/02/2016	3940436	21184184.6	
3940653	Shanghai Huaming Intelligent Terminal Equipment Co., Ltd.	24/04/2019	3940653	19920134.4	
3940826	LG Energy Solution, Ltd.	03/07/2020	3940826	20840407.9	
3940981	Beijing Xiaomi Mobile Software Co., Ltd.	11/03/2019	3940981	19919144.6	
3941550	Eurosets S.r.l.	16/03/2020	3941550	20714696.0	
3942209	Fastest, Inc.	20/03/2020	3942209	20777634.5	
3942621	Hefei Gotion High-Tech Power Energy Co., Ltd.	21/03/2019	3942621	19920180.7	
3944394	LG Energy Solution, Ltd.	20/03/2020	3944394	20773309.8	
3944824	Covidien LP	23/07/2021	3944824	21187342.7	
3945387	General Electric Company	27/07/2021	3945387	21187882.2	
3945896	Imperial Tobacco Limited	06/03/2020	3945896	20707472.5	
3946147	Akira Science AB	17/02/2020	3946147	20709770.0	
3946838	ArianeGroup SAS	20/03/2020	3946838	20731164.8	French
3947196	JT International SA	27/03/2020	3947196	20713654.0	
3947823	Phoenix II A/S	24/03/2020	3947823	20783562.0	
3948169	Giatec Scientific Inc.	03/04/2020	3948169	20783564.6	
3948193	Robert Bosch GmbH	18/03/2020	3948193	20713231.7	German
3948420	MYCRONIC AB	20/01/2020	3948420	20701315.2	
3948810	Huf Hülsbeck & Fürst GmbH & Co. KG	27/03/2020	3948810	20716414.6	German
3949141	Cohere Technologies, Inc.	03/04/2020	3949141	20784822.7	
3949923	Kao Corporation	25/05/2020	3949923	20814691.0	
3950652	DAIKIN INDUSTRIES, LTD.	27/03/2020	3950652	20777363.1	
3950737	Japan Polyethylene Corporation Japan Polypropylene Corporation	01/04/2020	3950737	20783754.3	
3951410	LG Energy Solution, Ltd.	24/04/2020	3951410	20802564.3	

3951647	Bentley Systems, Incorporated	05/01/2021	3951647	21150316.4	
3951970	LG Energy Solution, Ltd.	28/09/2020	3951970	20870645.7	
3952218	OMRON Corporation	27/02/2020	3952218	20778769.8	
3952678	Nicoventures Trading Limited	09/04/2020	3952678	20719700.5	
3952858	QBiotech Pty Ltd	09/04/2020	3952858	20787143.5	
3953410	Celanese Polymers Holding, Inc.	10/04/2020	3953410	20722933.7	
3953426	Société BIC	06/04/2020	3953426	20716473.2	
3953696	Bruker AXS, LLC	12/04/2019	3953696	19722986.7	
3954192	CLAAS Selbstfahrende Erntemaschinen GmbH	30/06/2021	3954192	21182820.7	German
3954824	Tsann Kuen (Zhangzhou) Enterprise Co., Ltd.	11/08/2021	3954824	21190899.1	
3954883	Mitsubishi Heavy Industries, Ltd.	20/04/2020	3954883	20817943.2	
3954972	MultiDimension Technology Co., Ltd.	27/03/2020	3954972	20784217.0	
3955248	Ceramic Data Solutions GmbH	11/08/2020	3955248	20190446.3	
3956045	GEA TDS GmbH	26/02/2020	3956045	20711788.8	German
3956235	N.V. NUTRICIA	17/04/2020	3956235	20720035.3	
3956558	Flex Marine Power Ltd	16/04/2020	3956558	20721700.1	
3956599	Axon Enterprise, Inc.	17/04/2020	3956599	20792005.9	
3956749	InterDigital Madison Patent Holdings, SAS	20/03/2020	3956749	20711218.6	
3957017	QUALCOMM INCORPORATED	03/03/2020	3957017	20716032.6	
3957282	M.I.Tech Co., Ltd.	08/04/2020	3957282	20791356.7	
3958086	Carnegie Robotics, LLC	18/08/2021	3958086	21191959.2	
3958088	Webroot Inc.	14/02/2012	3958088	21196603.1	
3959176	Kam Analysen- und Messtechnik GmbH	16/04/2020	3959176	20720779.6	German
3959939	Apple Inc.	19/06/2020	3959939	20739529.4	
3961047	FUJIFILM Corporation	23/03/2020	3961047	20796083.2	
3962548	Fresenius Medical Care Holdings, Inc.	11/06/2020	3962548	20751735.0	
3963368	Ouster, Inc.	30/04/2020	3963368	20799464.1	
3963722	Samsung Electronics Co., Ltd.	22/04/2020	3963722	20801812.7	
3963791	QUALCOMM Incorporated	28/02/2020	3963791	20716599.4	
3963803	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	29/04/2020	3963803	20725251.1	
3963966	Telefonaktiebolaget LM Ericsson (publ)	30/04/2020	3963966	20723842.9	
3964432	Suzuki Motor Corporation	31/08/2021	3964432	21194013.5	
3964433	Suzuki Motor Corporation	31/08/2021	3964433	21194055.6	
3965292	RichWave Technology Corp.	23/07/2021	3965292	21187346.8	
3965363	Comcast Cable Communications LLC	02/09/2021	3965363	21194599.3	
3966903	Greenlee Tools, Inc.	08/05/2020	3966903	20806300.8	
3967075	ZTE Corporation	07/05/2019	3967075	19927858.1	
3967246	Covidien LP	13/09/2019	3967246	21205780.6	
3967934	ELECTROLUX APPLIANCES AKTIEBOLAG	10/09/2020	3967934	20195478.1	
3967941	LTG Aktiengesellschaft	14/09/2020	3967941	20196089.5	German
3968136	Samsung Electronics Co., Ltd.	08/08/2019	3968136	21206027.1	
3968249	KABUSHIKI KAISHA TOSHIBA	21/05/2020	3968249	20818807.8	
3968364	INTEL Corporation	20/07/2021	3968364	21186698.3	
3969057	The Governing Council of the University of Toronto	18/05/2020	3969057	20810650.0	
3969099	University of Pittsburgh - of the Commonwealth System of Higher Education	15/05/2020	3969099	20806768.6	
3969743	Wobben Properties GmbH	15/05/2020	3969743	20727212.1	German
3969750	APTAR France SAS	11/05/2020	3969750	20740688.5	French
3970274	Microsoft Technology Licensing, LLC	27/04/2020	3970274	20812450.3	
3970849	Illumina Cambridge Limited	26/10/2015	3970849	21204969.6	
3971927	ABB Schweiz AG	16/09/2020	3971927	20196398.0	
3972052	KMW Inc.	12/05/2020	3972052	20806278.6	
3972158	Wi-Charge Ltd.	14/03/2017	3972158	21207092.4	
3973444	Microsoft Technology Licensing, LLC	25/03/2020	3973444	20720617.8	
3973471	Google LLC	30/10/2019	3973471	19813685.5	
3973585	Cougar Creek Technologies, LLC	18/05/2020	3973585	20810461.2	

3974069	Wheelabrator Group GmbH	24/09/2021	3974069	21198731.8	German
3974080	IHI Corporation	18/03/2020	3974080	20810028.9	
3974766	Iwane Laboratories, Ltd.	22/04/2020	3974766	20809450.8	
3975316	Hamilton Sundstrand Corporation	28/09/2021	3975316	21199456.1	
3975897	Swiss Medical Instruments AG	27/05/2019	3975897	19755523.8	
3976798	Encoded Therapeutics, Inc.	29/05/2020	3976798	20815541.6	
3976921	Cameron Technologies Limited	03/06/2020	3976921	20817703.0	
3976969	Fluid Handling LLC	28/05/2020	3976969	20814331.3	
3977047	Amgen Inc.	02/06/2020	3977047	20746482.7	
3977055	Relish Technologies Limited	03/06/2020	3977055	20732274.4	
3977072	trinamiX GmbH	26/05/2020	3977072	20728726.9	
3977074	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	27/05/2020	3977074	20730996.4	German
3977950	Premia Spine Ltd.	12/01/2017	3977950	21209422.1	
3978434	Sekisui Chemical Co., Ltd.	04/08/2020	3978434	20922474.0	
3979184	Imagination Technologies Limited	07/09/2021	3979184	21195255.1	
3979236	Bridgestone Europe NV/SA	30/09/2020	3979236	20199297.1	
3979376	IVECO DEUTSCHLAND AG	30/09/2021	3979376	21200222.4	
3979459	TMEIC Corporation	29/05/2019	3979459	19930988.1	
3979649	HYUNDAI MOTOR COMPANY Kia Corporation Ewha University-Industry Collaboration Foundation	15/06/2020	3979649	20821778.6	
3979692	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	22/07/2019	3979692	19938829.9	
3980011	Disarm Therapeutics, Inc.	05/06/2020	3980011	20819442.3	
3980031	Firebrick Pharma Limited	10/06/2020	3980031	20809730.3	
3981946	Kinetic Pressure Control, Ltd.	26/01/2021	3981946	21153524.0	
3981968	Rolls-Royce plc	23/09/2021	3981968	21198481.0	
3982877	Boston Scientific Scimed, Inc.	16/06/2020	3982877	20735799.7	
3983177	Attabotics Inc.	11/06/2020	3983177	20821967.5	
3985180	CNH Industrial Italia S.p.A.	19/10/2021	3985180	21203324.5	
3986378	Alfasigma S.p.A.	11/06/2020	3986378	20733384.0	
3986487	Inx Medical, LLC	19/06/2020	3986487	20737758.1	
3986973	Stora Enso Oyj	22/06/2020	3986973	20831745.3	
3987299	VOLKSWAGEN AKTIENGESELLSCHAFT	05/08/2020	3987299	20753712.7	German
3987438	Alarm.com Incorporated	18/06/2020	3987438	20830641.5	
3987463	Koninklijke Philips N.V.	18/06/2020	3987463	20733761.9	
3987951	KT&G Corporation	13/07/2021	3987951	21799159.5	
3988759	CWL Patent AB	20/09/2021	3988759	21197662.6	
3988959	Nokia Solutions and Networks Oy	29/09/2021	3988959	21199800.0	
3989077	Stream Computing Inc	24/08/2019	3989077	19942732.9	
3989159	SÁNCHEZ-OSORIO NICOLÁS, Eduardo	08/09/2020	3989159	20800702.1	
3989505	Proofpoint, Inc.	17/05/2021	3989505	21174207.7	
3989670	Nokia Technologies Oy	21/10/2020	3989670	20203042.5	
3989978	Board of Regents, The University of Texas System Moleculin Biotech, Inc.	25/06/2020	3989978	20830959.1	
3990256	ARKEMA FRANCE	26/06/2020	3990256	20734398.9	
3990697	Stora Enso Oyj	25/06/2020	3990697	20737557.7	
3990726	Kiekert AG	16/06/2020	3990726	20735474.7	German
3991030	Capital One Services, LLC	26/06/2020	3991030	20832144.8	
3991126	Hitachi Energy Ltd	27/06/2020	3991126	20734087.8	
3992107	Yoshino Kogyosho Co., Ltd.	26/06/2020	3992107	20832891.4	
3992758	HTC Corporation	17/09/2021	3992758	21197429.0	
3993020	Intel Corporation	17/09/2021	3993020	21197320.1	
3993082	CANON KABUSHIKI KAISHA	27/10/2021	3993082	21204912.6	
3993530	Xiaomi Communications Co., Ltd.	25/06/2019	3993530	19934962.2	
3993605	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	03/07/2020	3993605	20737132.9	German
3993807	Oculus Operations Sàrl	30/06/2020	3993807	20734428.4	

3994914	ZTE Corporation	03/07/2019	3994914	19936507.3	
3995203	Donaldson Company, Inc.	15/03/2013	3995203	21209475.9	
3995588	Genetron Health (Beijing) Co, Ltd.	28/07/2020	3995588	20845892.7	
3996595	Reflexion Medical, Inc.	02/07/2020	3996595	20840804.7	
3996975	VOLVO TRUCK CORPORATION	08/07/2019	3996975	19740327.2	
3997356	Soben	09/07/2020	3997356	20737194.9	French
3997631	President and Fellows of Harvard College Massachusetts Institute of Technology	10/07/2020	3997631	20750953.0	
3998031	Shanghai Microport Ep Medtech Co., Ltd.	23/04/2021	3998031	21800976.9	
3999774	Blinx Light Ltd	27/03/2020	3999774	20728537.0	
3999900	Luxottica S.r.l.	07/07/2020	3999900	20736706.1	
4000133	Outdoor Wireless Networks LLC	10/07/2020	4000133	20844666.6	
4000303	Google LLC	09/07/2020	4000303	20745457.0	
4000333	Lenovo (Beijing) Limited	18/07/2019	4000333	19937847.2	
4002651	Panasonic Intellectual Property Management Co., Ltd.	21/05/2020	4002651	20839962.6	
4002976	FUJI Corporation	17/07/2019	4002976	19937881.1	
4003596	Cytovale Inc.	30/07/2020	4003596	20848445.1	
4003805	Karma Automotive, Inc.	31/07/2020	4003805	20846260.6	
4004723	NetApp, Inc.	20/07/2020	4004723	20754076.6	
4004808	Microsoft Technology Licensing, LLC	12/06/2020	4004808	20842055.4	
4004836	Volkswagen Aktiengesellschaft	06/07/2020	4004836	20737152.7	German
4005836	TS Tech Co., Ltd.	27/03/2017	4005836	22150588.6	
4006168	Oxford Nanopore Technologies PLC	17/10/2014	4006168	21208188.9	
4006345	Gree Electric Appliances, Inc. of Zhuhai	24/08/2020	4006345	20890323.7	
4007011	Maxell, Ltd.	11/03/2021	4007011	21769022.1	
4007246	Vivo Mobile Communication Co., Ltd.	30/06/2020	4007246	20847719.0	
4007449	Nicoventures Trading Limited	23/01/2018	4007449	22151674.3	
4008161	I.R.C.A. S.p.a. Industria Resistenze Corazzate e Affini	31/07/2020	4008161	20764158.0	
4008299	Smith & Nephew PLC	20/01/2015	4008299	21212513.2	
4008570	WESTFALIA - Automotive GmbH	10/02/2018	4008570	22151172.8	German
4008728	Kite Pharma, Inc.	14/02/2018	4008728	21205389.6	
4009084	HERE Global B.V.	22/11/2021	4009084	21209573.1	
4010291	Corning Incorporated	03/08/2020	4010291	20757475.7	
4010872	The Board of Regents of the University of Texas System	10/08/2020	4010872	20853457.8	
4011156	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	05/08/2020	4011156	20757420.3	
4012741	Dongguan Zhonghui Ruide Electronics Co., Ltd	02/04/2020	4012741	20850480.3	
4013223	FMC Corporation	13/08/2020	4013223	20761473.6	
4013257	MIPS AB	30/06/2020	4013257	20735569.4	
4014059	QUALCOMM INCORPORATED	14/07/2020	4014059	20747314.1	
4014832	HOYA CORPORATION	16/08/2019	4014832	19941931.8	
4016416	Geoinference S.r.l.	21/10/2021	4016416	21204043.0	
4016460	Samsung Electronics Co., Ltd.	15/09/2020	4016460	20866485.4	
4017091	Beijing Xiaomi Mobile Software Co., Ltd.	14/08/2019	4017091	19941308.9	
4017383	Philips Image Guided Therapy Corporation Koninklijke Philips N.V.	21/08/2020	4017383	20761784.6	
4017672	SAFRAN AIRCRAFT ENGINES	17/08/2020	4017672	20772363.6	French
4017711	Siempelkamp Maschinen- und Anlagenbau GmbH	29/07/2020	4017711	20753302.7	German
4018465	Technische Universität Berlin	08/07/2020	4018465	20735635.3	
4018746	Apple Inc.	29/09/2019	4018746	19947149.1	
4018820	LG Electronics Inc.	21/12/2021	4018820	21216434.7	
4018986	Advanced Silicone Coating	23/12/2020	4018986	20217128.6	
4019952	INSTITUTE OF MICROBIOLOGY, CHINESE ACADEMY OF SCIENCES	17/01/2020	4019952	20912468.4	
4020940	BRIGHT DATA LTD.	16/08/2018	4020940	22157000.5	
4021496	Yale University	31/08/2020	4021496	20771954.3	
4021805	Safran Seats USA LLC	29/08/2019	4021805	19768946.6	

4022133	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	28/08/2020	4022133	20764976.5	German
4022141	Garibaldi, Maria Patricia	02/10/2020	4022141	20797665.5	German
4022145	Garibaldi, Maria Patricia	02/10/2020	4022145	20793562.8	German
4022864	Cisco Technology, Inc.	28/08/2020	4022864	20771952.7	
4024042	Continuus Materials Intellectual Property, LLC	31/12/2021	4024042	21218482.4	
4024433	Rockwell Automation Technologies, Inc.	17/12/2021	4024433	21215519.6	
4024565	fischer Power Solutions GmbH	23/12/2021	4024565	21217252.2	German
4024580	LG ENERGY SOLUTION, LTD.	04/02/2021	4024580	21764039.0	
4025473	ALSTOM Holdings	01/09/2020	4025473	20764089.7	French
4025575	Rigel Pharmaceuticals, Inc.	04/09/2020	4025575	20775994.5	
4025918	Universität Heidelberg	16/08/2020	4025918	20761510.5	German
4026439	RAI Strategic Holdings, Inc.	08/08/2012	4026439	22155026.2	
4026664	Verily Life Sciences LLC	01/09/2017	4026664	21214576.7	
4027097	Magpul Industries Corp.	20/12/2018	4027097	22158123.4	
4027301	MFTB Holdco, Inc.	15/12/2021	4027301	21214909.0	
4027385	Samsung Display Co., Ltd.	21/12/2021	4027385	21216676.3	
4027572	Sony Group Corporation	01/09/2017	4027572	22159109.2	
4027652	Apple Inc.	08/12/2021	4027652	21213102.3	
4028002	Great Novel Therapeutics Biotech & Medicals Corporation	11/09/2019	4028002	19944886.1	
4028175	L'OREAL	11/09/2020	4028175	20780952.6	
4028684	Entegris, Inc.	03/09/2020	4028684	20862939.4	
4028709	Rheinmetall Landsysteme GmbH	31/07/2020	4028709	20751106.4	German
4029650	Hanlong Industrial Co., Ltd.	02/11/2021	4029650	21205929.9	
4029798	Yoshino Kogyosho Co., Ltd.	11/08/2020	4029798	20862416.3	
4030307	Jingdong Technology Information Technology Co., Ltd.	14/08/2020	4030307	20862090.6	
4030535	Jiangsu Contemporary Amperex Technology Limited	13/11/2020	4030535	20939475.8	
4030699	LG Innotek Co., Ltd.	09/09/2020	4030699	20862086.4	
4031119	Harmony Biosciences Management, Inc.	16/09/2020	4031119	20864502.8	
4031120	Harmony Biosciences Management, Inc.	16/09/2020	4031120	20866006.8	
4031210	Brugger, Stefan	15/09/2020	4031210	20786241.8	German
	Klotz, Margit				
4031257	Razor USA LLC	18/09/2020	4031257	20865922.7	
4031998	International Business Machines Corporation	10/09/2020	4031998	20771815.6	
4032125	Christian-Albrechts-Universität zu Kiel	12/09/2020	4032125	20775573.7	German
4033026	LG Electronics Inc.	25/01/2022	4033026	22153159.3	
4033210	NITTO DENKO CORPORATION	16/09/2020	4033210	20864456.7	
	IHI Inspection and Instrumentation Co., Ltd.				
4033328	Samsung Display Co., Ltd.	20/01/2022	4033328	22152441.6	
4033777	Sound Fun Corporation	14/09/2020	4033777	20866777.4	
4033920	Beneo, Remy	24/09/2020	4033920	20786252.5	
4033968	MAKO Surgical Corp.	21/09/2020	4033968	20869159.2	
4034485	Pilkington Group Limited	25/09/2020	4034485	20780782.7	
4034489	Versatile Natures Ltd.	25/09/2020	4034489	20867161.0	
4034574	Chevron Phillips Chemical Company LP	17/09/2020	4034574	20785638.6	
4034721	Midland Steel Reinforcement Supplies Limited	23/09/2020	4034721	20789432.0	
4034824	PepsiCo, Inc.	18/09/2020	4034824	20869919.9	
4035083	Universite Cote D'Azur (UCA)	25/09/2020	4035083	20775663.6	
	Centre National de la Recherche Scientifique - CNRS				
4035564	Zahoransky AG	19/05/2022	4035564	22174316.4	German
4035831	Rapic Oy	27/01/2021	4035831	21153629.7	
4036365	Clark Door Limited	25/01/2022	4036365	22153317.7	
4036528	Sensata Technologies, Inc.	28/01/2022	4036528	22154115.4	
4037741	1000739373 Ontario Ltd.	02/10/2020	4037741	20871141.6	

4037854	LPW Technology Ltd	29/09/2020	4037854	20786029.7	
4038824	Arista Networks, Inc.	27/10/2020	4038824	20881992.0	
4039112	Shenzhen Smoore Technology Limited	11/10/2019	4039112	19947757.1	
4039979	IHI Corporation	17/09/2020	4039979	20871137.4	
4040776	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	05/06/2018	4040776	22165770.3	
4040786	Shenzhen TCL New Technology Co., Ltd	27/08/2020	4040786	20872656.2	
4041561	3M Innovative Properties Company	08/10/2020	4041561	20875153.7	
4042132	Bridgestone Americas Tire Operations, LLC	07/10/2020	4042132	20874564.6	
4042385	ASSA ABLOY AB	25/09/2020	4042385	20781468.2	
4042854	Company Hernandez, Jose Vicente	14/02/2022	4042854	22382115.8	
4043233	BRIDGESTONE CORPORATION	10/09/2020	4043233	20875515.7	
4044496	Robert Bosch GmbH	10/02/2021	4044496	21156230.1	
4045407	Safran Nacelles SAFRAN AIRCRAFT ENGINES Institut Supérieur De L'Aéronautique Et De L'Espace	13/10/2020	4045407	20801330.0	French
4045831	Titeflex Corporation	13/10/2020	4045831	20876820.0	
4046210	Samsung Display Co., Ltd.	13/10/2020	4046210	20789140.9	
4046280	Viasat, Inc.	26/02/2021	4046280	21713524.3	
4046992	Solus Advanced Materials Co., Ltd.	06/10/2020	4046992	20875884.7	
4047739	FURUNO ELECTRIC CO., LTD.	09/02/2022	4047739	22155854.7	
4048856	Atkins, Paul	20/10/2020	4048856	20879434.7	
4049000	Commissariat à l'Energie Atomique et aux Energies Alternatives	21/10/2020	4049000	20790356.8	French
4049207	Carrier Corporation	29/09/2020	4049207	20793803.6	
4049624	Medtronic Vascular, Inc.	03/02/2011	4049624	22161078.5	
4049697	Micrel Medical Devices S.A.	04/02/2022	4049697	22155268.0	
4049794	Airbus Operations Limited	22/02/2022	4049794	22158101.0	
4049880	VOLVO TRUCK CORPORATION	24/02/2021	4049880	21020098.6	
4050274	Robert Bosch GmbH	02/02/2022	4050274	22154849.8	German
4050803	Infineon Technologies Austria AG	22/10/2021	4050803	21204224.6	
4051044	Stanbee Company, Inc.	30/10/2020	4051044	20883015.8	
4051112	Rhythm AI Ltd	29/10/2020	4051112	20819815.0	
4051278	MSD International GmbH Eisai R&D Management Co., Ltd. Merck Sharp & Dohme LLC	28/10/2020	4051278	20811814.1	
4051912	Bernd Siegmund GmbH	02/11/2019	4051912	19808978.1	German
4051975	Fives Stein	07/10/2020	4051975	20793758.2	French
4052115	Meta Platforms Technologies, LLC	07/10/2020	4052115	20797929.5	
4053710	SAP SE	17/02/2022	4053710	22157240.7	
4054430	Cilag GmbH International	26/10/2021	4054430	21802816.5	
4054954	Intercontinental Great Brands LLC	27/10/2020	4054954	20808580.3	
4055725	QUALCOMM INCORPORATED	06/11/2020	4055725	20817148.8	
4056023	Pöttinger Landtechnik GmbH	08/03/2022	4056023	22160744.3	German
4057032	University of Seville Centre national de la recherche scientifique Université Paris-Saclay Consejo Superior de Investigaciones Científicas (CSIC)	12/03/2021	4057032	21305315.0	
4057356	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	18/05/2021	4057356	21833998.4	
4057364	ARTEMIDE S.p.A.	07/03/2022	4057364	22160617.1	
4057475	Einhell Germany AG	10/02/2022	4057475	22156140.0	German
4058255	Deutsches Zentrum für Luft- und Raumfahrt e.V.	13/11/2020	4058255	20808054.9	German
4058401	Memsstar Limited	12/11/2020	4058401	20829954.5	
4058710	Victaulic Company	13/11/2020	4058710	20887103.8	
4058789	Kaefer Blu AS	10/11/2020	4058789	20887677.1	
4059310	QUALCOMM INCORPORATED	13/11/2020	4059310	20820720.9	

4059803	Siemens Mobility GmbH	04/02/2022	4059803	22155143.5	German
4060108	BSH Hausgeräte GmbH	09/02/2022	4060108	22155821.6	German
4060215	M.D.S. Meyer GmbH	14/03/2022	4060215	22161867.1	German
4061569	Techtronic Cordless GP	15/10/2020	4061569	20889569.8	
4061605	Kautex Textron GmbH & Co. KG	18/11/2020	4061605	20810919.9	German
4062202	ENI S.p.A.	20/11/2020	4062202	20812439.6	
4063264	Schaublin SA	05/06/2020	4063264	22174382.6	
4063399	BLAFAR BIOTECHNOLOGY (HANGZHOU) LTD	18/03/2020	4063399	20889336.2	
4063855	Kyungpook National University Industry-Academic Cooperation Foundation	14/10/2020	4063855	20890489.6	
4064220	Kyungpook National University Hospital Bayerische Motoren Werke Aktiengesellschaft	24/03/2022	4064220	22164220.0	
4064396	LG Energy Solution, Ltd.	04/02/2021	4064396	21754256.2	
4065023	Howmedica Osteonics Corp.	20/11/2020	4065023	20828173.3	
4067740	Gruppo Piazzetta S.p.A.	28/03/2022	4067740	22164690.4	
4067743	Bosch Thermotechnology Ltd (UK)	30/03/2022	4067743	22165309.0	
4068452	Contemporary Ampere Technology (Hong Kong) Limited	04/02/2021	4068452	21904630.7	
4068715	Samsung Electronics Co., Ltd.	01/04/2022	4068715	22166416.2	
4070327	Bayer Aktiengesellschaft	23/11/2020	4070327	20807798.2	German
4070650	Milkrite Interpuls Limited	11/02/2020	4070650	22171763.0	
4070666	Universidad de Almeria	29/03/2022	4070666	22165015.3	
	CIIMAR - Centro Interdisciplinar de Investigação Marinha e Ambiental				
	Universidade do Minho				
	Universidade Do Porto				
4070702	LG Electronics Inc.	31/03/2022	4070702	22166140.8	
4070739	Cilag GmbH International	11/10/2019	4070739	22166718.1	
4070860	RTX Corporation	27/09/2017	4070860	22169581.0	
4071012	Audi AG	03/02/2022	4071012	22155029.6	German
4071213	Westlake Vinnolit GmbH & Co. KG	06/04/2021	4071213	21167003.9	German
4071296	Westlake Vinnolit GmbH & Co. KG	06/04/2021	4071296	21166996.5	German
4071510	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	07/04/2021	4071510	21167224.1	
4074359	Fisher & Paykel Healthcare Limited	24/09/2015	4074359	22170519.7	
4074386	Lin, Qun	23/06/2020	4074386	20941230.3	
4075737	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	30/12/2020	4075737	20911285.3	
4077830	Fibre Net Holding S.r.l.	17/12/2020	4077830	20839392.6	
4079665	Tyrolon GmbH	23/04/2021	4079665	21170053.9	German
4080538	LS ELECTRIC CO., LTD.	17/03/2020	4080538	20902266.4	
4080793	T-Mobile USA, Inc.	06/04/2022	4080793	22166896.5	
4081280	Acist Medical Systems Inc.	10/09/2020	4081280	20767823.6	
4081479	Büning & Partner KG	19/01/2022	4081479	22701222.6	German
4081613	Kerry Group Services International Limited	22/12/2020	4081613	20842728.6	
4081683	Kemira OYJ	18/12/2020	4081683	20828997.5	
4083733	Rockwell Automation Technologies, Inc.	25/04/2022	4083733	22169796.4	
4084335	Vivo Mobile Communication Co., Ltd.	24/12/2020	4084335	20906941.8	
4085015	Entegris, Inc.	23/12/2020	4085015	20908752.7	
4085247	Industrial Intelligence, Inc.	30/12/2020	4085247	20845851.3	
4085950	Argospire Medical Inc.	05/03/2019	4085950	22181692.9	
4086575	FURUNO ELECTRIC CO., LTD.	07/05/2021	4086575	21172787.0	
4087564	Woolsey Pharmaceuticals, Inc.	08/01/2021	4087564	21738677.0	
4087773	Colthurst, James	08/01/2021	4087773	21700631.1	
4088811	Dalian Institute Of Chemical Physics, Chinese Academy Of Sciences	16/10/2020	4088811	20957232.0	
4089261	WIEDEN WOOD s.r.o.	12/04/2022	4089261	22020166.9	
4089410	Sciosense B.V.	23/01/2017	4089410	22174599.5	
4089643	Sony Interactive Entertainment Inc.	03/05/2022	4089643	22171426.4	
4090007	CANON KABUSHIKI KAISHA	19/04/2022	4090007	22168898.9	

4090072	Vivo Mobile Communication Co., Ltd.	04/02/2021	4090072	21753379.3	German
4090588	Leitl, Peter	14/12/2020	4090588	20828254.1	
4091142	Apple Inc.	16/03/2021	4091142	21717681.7	
4091564	Biosense Webster (Israel) Ltd	17/05/2022	4091564	22173660.6	German
4092096	Indian Oil Corporation Limited	16/05/2022	4092096	22173428.8	
4092272	Mitsubishi Heavy Industries Thermal Systems, Ltd.	01/04/2021	4092272	21781414.4	
4092315	Seongnam City Hall	15/01/2021	4092315	21740772.5	German
4094051	Becton, Dickinson and Company	21/01/2021	4094051	21705069.9	
4094251	ADBM Corp.	20/01/2021	4094251	21743860.5	
4094650	Corelex Shin-Ei Co., Ltd.	10/07/2020	4094650	20935596.5	German
4094671	Micro-Tech (Nanjing) Co., Ltd.	05/02/2021	4094671	21765339.3	
4095184	Lg Chem, Ltd.	23/12/2021	4095184	21911571.4	
4095328	Kohler (China) Investment Co. Ltd.	10/05/2022	4095328	22172629.2	French
4099211	Aptiv Technologies AG	31/05/2021	4099211	21176922.9	
4100626	SAFRAN AIRCRAFT ENGINES SAFRAN Centre National de la Recherche Scientifique Universite De La Rochelle	01/02/2021	4100626	21707331.1	
4100627	SAFRAN AIRCRAFT ENGINES SAFRAN Centre national de la recherche scientifique Universite De La Rochelle	02/02/2021	4100627	21707338.6	French
4101125	Mastercard Technologies Canada ULC	05/02/2021	4101125	21751362.1	German
4101284	CNH Industrial Belgium N.V.	09/06/2021	4101284	21178625.6	
4101816	Tosoh Silica Corporation	03/02/2021	4101816	21750638.5	
4102057	Wobben Properties GmbH	11/06/2021	4102057	21179056.3	German
4102711	Hamilton Sundstrand Corporation	08/06/2022	4102711	22177814.5	
4102941	Samsung Electronics Co., Ltd.	13/01/2021	4102941	21753108.6	
4103006	MIPS AB	12/02/2021	4103006	21705177.0	German
4103268	Cardiac Pacemakers, Inc.	11/02/2021	4103268	21710143.5	
4104425	Samsung Electronics Co., Ltd.	01/04/2021	4104425	21780150.5	
4104430	Telefonaktiebolaget LM Ericsson (publ)	12/02/2020	4104430	20705336.4	German
4105348	Senju Metal Industry Co., Ltd.	08/02/2021	4105348	21753207.6	
4105505	Aktiebolaget SKF	09/06/2022	4105505	22178210.5	
4105506	Aktiebolaget SKF	09/06/2022	4105506	22178211.3	German
4105507	Aktiebolaget SKF	09/06/2022	4105507	22178213.9	
4105646	CKD Corporation	27/11/2020	4105646	20918513.1	
4105686	ROSEMOUNT AEROSPACE INC.	14/06/2022	4105686	22178899.5	German
4105911	FURUNO ELECTRIC CO., LTD.	07/01/2021	4105911	21753982.4	
4106129	Electric Power Research Institute, China Southern Power Grid China Southern Power Grid	06/06/2021	4106129	21923628.8	
4106416	Beijing Xiaomi Mobile Software Co., Ltd.	13/02/2020	4106416	20918955.4	French
4106643	Teleflex Life Sciences LLC	18/02/2021	4106643	21711134.3	
4107515	Gemological Institute of America, Inc. (GIA)	12/03/2021	4107515	21774250.1	
4107665	Berry Global, Inc.	17/02/2021	4107665	21757306.2	French
4107666	Idyllic Technology	18/02/2021	4107666	21705219.0	
4107700	Cognex Corporation	18/02/2021	4107700	21711692.0	
4107722	Cerence Operating Company	28/10/2020	4107722	20811816.6	German
4108018	QUALCOMM INCORPORATED	17/02/2021	4108018	21711412.3	
4108067	CNH Industrial Belgium NV	20/06/2022	4108067	22179932.3	
4108339	LG Energy Solution, Ltd.	17/09/2021	4108339	21900775.4	German
4108342	Nanchang Kohler Ltd.	15/06/2022	4108342	22179221.1	
4108986	Vaillant GmbH	21/06/2022	4108986	22180022.0	
4109236	INTEL Corporation	25/03/2022	4109236	22164550.0	German
4109388	INTEL Corporation	18/03/2022	4109388	22162853.0	
4109419	Shenzhen Wins Electronic Technology Co., Ltd.	25/10/2021	4109419	21204373.1	
4109523	INTEL Corporation	25/04/2022	4109523	22169729.5	

4109602	Contemporary Amperex Technology (Hong Kong) Limited	31/08/2020	4109602	20950923.1	
4112343	Hyundai Mobis Co., Ltd.	22/12/2021	4112343	21217121.9	
4112349	McLaren Automotive Limited	27/06/2022	4112349	22181249.8	
4112414	CRRC Qiqihar Rolling Stock Co., Ltd.	30/07/2020	4112414	20921833.8	
4112688	Zeon Corporation	15/02/2021	4112688	21759726.9	
4113477	Panasonic Intellectual Property Management Co., Ltd.	26/01/2021	4113477	21759967.9	
4113480	Volvo Car Corporation	28/06/2022	4113480	22181558.2	
4113930	Deutsche Telekom AG	01/07/2021	4113930	21183247.2	
4113967	Fuji Corporation	27/02/2020	4113967	20920858.6	
4113976	NEC Corporation	27/02/2020	4113976	20921574.8	
4114135	Hyundai Mobis Co., Ltd.	27/06/2022	4114135	22181259.7	
4114287	Covidien LP	05/02/2021	4114287	21709234.5	
4114484	CareFusion 303, Inc.	03/03/2021	4114484	21715361.8	
4114494	Stryker Corporation	05/03/2021	4114494	21715062.2	
4115536	Stryker European Operations Limited				
4115536	QUALCOMM INCORPORATED	02/03/2021	4115536	21713869.2	
4117744	MEDAXIS AG	12/03/2021	4117744	21710511.3	
4118858	Microsoft Technology Licensing, LLC	21/01/2021	4118858	21704684.6	
4119255	Toyo Seikan Group Engineering Co., Ltd.	30/11/2020	4119255	20924414.4	
4119455	Tetra Laval Holdings & Finance S.A.	07/07/2022	4119455	22183612.5	
4120055	Alps Alpine Co., Ltd.	04/07/2022	4120055	22182718.1	
4120401	Shenzhen Dynanonic Innovazone New Energy Technology Co., Ltd.	11/01/2022	4120401	22752067.3	
4120810	Hyundai Motor Company	07/06/2022	4120810	22177484.7	
4120975	Kia Corporation				
4120975	Johnson & Johnson Surgical Vision, Inc.	22/01/2021	4120975	21702101.3	
4121392	DuPont Safety & Construction, Inc.	15/03/2021	4121392	21716916.8	
4123345	Largan Precision Co. Ltd.	01/07/2022	4123345	22182623.3	
4123492	IDEMIA France	21/07/2022	4123492	22186159.4	French
4123663	Maquet GmbH	22/07/2021	4123663	21187232.0	
4124194	Delta Electronics, Inc.	12/07/2022	4124194	22184476.4	
4124587	Hyundai Glovis Co., Ltd.	20/07/2022	4124587	22185967.1	
4124882	NPC Co., Ltd.				
4124882	Scantinel Photonics GmbH	27/07/2021	4124882	21187955.6	
4125056	FUJITSU LIMITED	23/06/2022	4125056	22180685.4	
4126131	SANOFI	31/03/2021	4126131	21715627.2	
4126140	Purcell Global Ltd	06/04/2021	4126140	21724730.3	
4126398	Beumer Group A/S	26/03/2021	4126398	21714180.3	
4126638	thyssenkrupp Presta AG	29/03/2021	4126638	21716644.6	German
4126638	thyssenkrupp AG				
4126643	Cane Creek Cycling Components, Inc.	28/01/2021	4126643	21707105.9	
4126652	Rasmussen Maritime Design AS	25/03/2021	4126652	21713977.3	
4127059	INEOS Styrolution Group GmbH	23/03/2021	4127059	21713033.5	German
4127083	Société BIC	26/03/2021	4127083	21713986.4	
4128544	Mitsubishi Electric Corporation	29/01/2021	4128544	21713155.6	
4128884	Samsung Electronics Co., Ltd.	29/06/2021	4128884	21831510.9	
4129427	Sony Interactive Entertainment Inc.	15/03/2021	4129427	21781480.5	
4129869	DORNER MFG. CORP.	02/08/2022	4129869	22188215.2	
4129965	Mitsubishi Chemical Corporation	30/03/2021	4129965	21780957.3	
4130645	YAMAHA CORPORATION	18/03/2021	4130645	21777076.7	
4130833	Zhejiang Sunny Smartlead Technologies Co., Ltd.	21/07/2020	4130833	20943610.4	
4131198	Resideo LLC	17/10/2016	4131198	22193948.1	
4131220	Wuhan China Star Optoelectronics Semiconductor Display Technology Co., Ltd.	26/05/2020	4131220	20917266.7	
4131391	BOE Technology Group Co., Ltd.	25/03/2020	4131391	20897672.0	
4131391	Chengdu BOE Optoelectronics Technology Co., Ltd.				

4131404	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	23/03/2021	4131404	21755882.4	
4131486	Ningde Amperex Technology Limited	31/03/2020	4131486	20928679.8	
4132261	CNH Industrial Belgium NV	07/04/2021	4132261	21722040.9	
4132448	Koya Medical, Inc.	10/06/2021	4132448	21822868.2	
4133188	Atlas Tube Connections, LLC	06/04/2021	4133188	21783965.3	
4133996	Biosense Webster (Israel) Ltd.	11/08/2022	4133996	22189867.9	
4134111	Zhejiang Summed Medtech Co., Ltd.	02/07/2021	4134111	21870478.1	
4134281	Rivian IP Holdings, LLC	01/07/2022	4134281	22182685.2	
4134299	The Boeing Company	22/07/2022	4134299	22186542.1	
4134842	Google LLC	17/07/2019	4134842	22190544.1	
4135060	Samsung Display Co., Ltd.	22/07/2022	4135060	22186500.9	
4135253	QUALCOMM Incorporated	24/05/2019	4135253	22199657.2	
4135803	AUT Ventures Limited	26/02/2021	4135803	21760851.2	
4135823	S4 Medical Corp Ohio State Innovation Foundation	13/04/2021	4135823	21789123.3	
4136042	Autostore Technology AS	09/04/2021	4136042	21719076.8	
4136045	KONE Corporation	15/04/2020	4136045	20721280.4	
4136098	The Regents of the University of California	16/04/2021	4136098	21724444.1	
4136900	QUALCOMM INCORPORATED	05/04/2021	4136900	21721336.2	
4136973	Ecolab USA Inc.	04/10/2013	4136973	22183305.6	
4136984	BAXTER INTERNATIONAL INC. BAXTER HEALTHCARE SA	29/05/2019	4136984	22193264.3	
4137188	Fisher & Paykel Healthcare Limited	18/09/2015	4137188	22186714.6	
4137202	Neolight LLC	28/04/2017	4137202	22200852.6	
4137401	Airbus Operations GmbH	18/08/2021	4137401	21191970.9	
4137659	Hefei Midea Refrigerator Co., Ltd. Hefei Hualing Co., Ltd. Midea Group Co., Ltd.	29/12/2021	4137659	21939126.5	
4137669	RTX Corporation	15/08/2022	4137669	22190370.1	
4137684	Perkins Engines Company Limited	03/08/2022	4137684	22188469.5	
4137857	CANON KABUSHIKI KAISHA	10/08/2018	4137857	22193847.5	
4137923	Vivo Mobile Communication Co., Ltd.	13/04/2021	4137923	21788053.3	
4137947	InfraSight Software Corporation	22/03/2019	4137947	22200503.5	
4137948	Amadeus S.A.S.	16/08/2021	4137948	21306121.1	
4138232	Iriso Electronics Co., Ltd.	15/08/2022	4138232	22190362.8	
4139220	Philip Morris Products S.A.	16/04/2021	4139220	21719997.5	
4139228	CSP Technologies, Inc.	22/04/2021	4139228	21725623.9	
4139299	Taiho Pharmaceutical Co., Ltd.	23/04/2021	4139299	21736393.6	
4139370	Syensqo Specialty Polymers Italy S.p.A.	14/04/2021	4139370	21717905.0	
4140429	BIOSENSE WEBSTER (ISRAEL) LTD.	22/08/2022	4140429	22191505.1	
4140644	Schneider GmbH & Co. KG	29/04/2022	4140644	22170707.8	German
4141271	Hefei Visionox Technology Co., Ltd.	29/09/2021	4141271	21905210.7	
4141354	MITSUBISHI ELECTRIC CORPORATION	20/04/2020	4141354	20932739.4	
4141362	QINGDAO HAIER REFRIGERATOR CO., LTD. HAIER SMART HOME CO., LTD.	12/04/2021	4141362	21791976.0	
4141397	Samsung Electronics Co., Ltd.	18/07/2018	4141397	22202218.8	
4141495	Samsung Electronics Co., Ltd.	05/04/2021	4141495	21800184.0	
4141529	Samsung Electronics Co., Ltd.	21/04/2021	4141529	21792122.0	
4142114	ALSTOM Holdings	23/08/2022	4142114	22191641.4	French
4142185	Airbus (S.A.S.)	23/08/2021	4142185	21192652.2	
4142316	Vivo Mobile Communication Co., Ltd.	21/04/2021	4142316	21792959.5	
4142595	Medtronic, Inc.	23/04/2021	4142595	21725328.5	
4143502	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	03/03/2021	4143502	21709974.6	German
4143816	Indigo AG, Inc.	30/04/2021	4143816	21796375.0	
4145037	Tecnomec Borghi S.r.l.	01/09/2022	4145037	22193383.1	
4145086	SCHOTT AG	07/09/2021	4145086	21195186.8	
4145115	KABUSHIKI KAISHA TOSHIBA	11/02/2022	4145115	22156293.7	

4145166	Nokia Technologies Oy	03/09/2021	4145166	21194843.5	French
4145295	Samsung Electronics Co., Ltd.	20/10/2014	4145295	22196322.6	
4145817	LG Innotek Co., Ltd.	27/04/2021	4145817	21795580.6	
4146094	REJOINT S.r.l.	19/11/2020	4146094	20807053.2	
4146427	Frank Innovations LLC	17/03/2021	4146427	21800605.4	
4147547	Kuhn-Huard S.A.S	08/09/2022	4147547	22194499.4	
4148148	BAOSHAN IRON & STEEL CO., LTD.	29/03/2021	4148148	21800277.2	
4148439	BYD Company Limited	28/06/2021	4148439	21832528.0	
4148484	Robert Bosch GmbH	08/09/2021	4148484	21195513.3	
4148703	TOYOTA JIDOSHA KABUSHIKI KAISHA	24/06/2022	4148703	22180997.3	
4149313	NIKE Innovate C.V.	11/05/2021	4149313	21734249.2	German
4149341	HOYA CORPORATION	22/09/2021	4149341	21787040.1	
4150163	Royal Eijkelpark B.V.	11/05/2020	4150163	20725165.3	
4150436	Snap Inc.	13/05/2021	4150436	21731625.6	
4150703	Telefonaktiebolaget LM ERICSSON (PUBL)	11/05/2020	4150703	20935872.0	
4150767	Nordic Semiconductor ASA	13/05/2021	4150767	21726379.7	
4151099	Shenzhen Smoore Technology Limited	12/05/2020	4151099	20935518.9	
4151437	CNH Industrial Belgium N.V.	20/09/2021	4151437	21197780.6	
4151840	Caterpillar Inc.	05/09/2022	4151840	22193802.0	
4151852	VESTAS WIND SYSTEMS A/S	17/09/2021	4151852	21197439.9	
4152352	EWS GmbH	16/09/2022	4152352	22196065.1	German
4152359	Rockwell Automation Switzerland GmbH	08/08/2022	4152359	22189202.9	
4152606	Qorvo US, Inc.	13/09/2022	4152606	22195382.1	
4153943	Robert Bosch GmbH	04/05/2021	4153943	21725712.0	
4154566	Ofinno, LLC	20/05/2021	4154566	21732730.3	
4154834	Biosense Webster (Israel) Ltd	08/09/2022	4154834	22194535.5	
4154864	Dr. Kurt Wolff GmbH & Co. KG	22/09/2022	4154864	22197130.2	
4155060	Oechsler AG	26/04/2022	4155060	22169879.8	
4155096	Sumitomo Rubber Industries, Ltd. SUMITOMO ELECTRIC INDUSTRIES, LTD.	24/06/2021	4155096	21833030.6	
4155304	TYK Medicines Inc.	07/05/2021	4155304	21808095.0	French
4156174	Beijing Baidu Netcom Science Technology Co., Ltd.	22/12/2022	4156174	22215866.9	
4156520	QUALCOMM Incorporated	06/04/2012	4156520	22205015.5	
4156536	Samsung Electronics Co., Ltd.	03/06/2021	4156536	21849258.5	
4157005	Ansell Limited	28/05/2021	4157005	21813729.7	
4157429	Systol Dynamics	26/05/2021	4157429	21728075.9	
4158328	Smiths Detection-Watford Limited	27/05/2021	4158328	21729919.7	
4158655	F. Hoffmann-La Roche AG	26/05/2021	4158655	21727893.6	
4159351	Illinois Tool Works, Inc.	08/06/2018	4159351	22209229.8	
4159459	FUJIFILM Corporation	21/05/2021	4159459	21813323.9	
4160200	JFE Steel Corporation	25/06/2021	4160200	21833218.7	French
4160353	Ricoh Company, Ltd.	22/09/2022	4160353	22197129.4	
4161382	Ascensia Diabetes Care Holdings AG	04/06/2021	4161382	21732820.2	
4161790	VALEO SYSTEMES THERMIQUES	03/06/2021	4161790	21731105.9	
4161807	Veoneer US Safety Systems, LLC	03/06/2021	4161807	21817363.1	
4162475	Google LLC	05/06/2020	4162475	20747540.1	
4163838	Mitsubishi Heavy Industries, Ltd.	19/09/2022	4163838	22196318.4	
4164028	LG Energy Solution, Ltd.	03/06/2021	4164028	21822360.0	
4164192	Telia Company AB	05/10/2022	4164192	22199697.8	
4164315	Vivo Mobile Communication Co., Ltd.	23/07/2021	4164315	21846488.1	
4164907	DAF Trucks N.V.	15/06/2021	4164907	21733583.5	French
4164939	Komatsu Forest AB	16/06/2021	4164939	21734102.3	
4165227	Novelis, Inc.	09/06/2021	4165227	21743316.8	
4165259	Reform Systems Ltd.	09/06/2021	4165259	21732255.1	
4165431	QUALCOMM INCORPORATED	10/06/2021	4165431	21743318.4	
4165647	CareFusion 303, Inc.	09/06/2021	4165647	21736865.3	
4165942	Samsung Electronics Co., Ltd.	14/09/2021	4165942	21867198.0	
4166812	Harmonic Drive Systems Inc.	24/08/2021	4166812	21942138.5	

4167012	Leica Mikrosysteme GmbH	15/10/2021	4167012	21202905.2	
4167178	Korea Advanced Institute of Science and Technology	12/01/2022	4167178	22151224.7	
4167387	Iriso Electronics Co., Ltd.	11/10/2022	4167387	22200860.9	
4167793	Harry Miller Co., LLC	17/06/2021	4167793	21749375.8	
4167862	Radiology Innovations NB20C GmbH	28/05/2021	4167862	21730169.6	German
4167897	Perceptive Technologies, Inc.	16/06/2021	4167897	21826458.8	
4168501	Council Of Scientific & Industrial Research	06/09/2021	4168501	21863857.5	
4169208	nChain Licensing AG	31/08/2021	4169208	21769147.6	
4169292	British Telecommunications public limited company	11/05/2021	4169292	21725486.1	
4169546	Millar, Allen Currie	21/10/2021	4169546	21203989.5	
4169705	Folien + Druck GmbH	04/08/2022	4169705	22188668.2	German
4169998	SHIN-ETSU CHEMICAL CO., LTD.	13/10/2022	4169998	22201247.8	
4170155	Nordex Energy SE & Co. KG	21/10/2021	4170155	21203856.6	
4170233	Trilux GmbH & Co. KG	18/10/2022	4170233	22202264.2	German
4170444	WEILER Werkzeugmaschinen GmbH	18/10/2022	4170444	22202330.1	German
4170563	Baker Hughes Holdings LLC	03/10/2022	4170563	22199362.9	
4170672	Ajou University Industry-Academic Cooperation Foundation	25/10/2022	4170672	22203440.7	
4170683	Reichert, Siegfried	26/08/2022	4170683	22192258.6	German
4171464	Essity Hygiene and Health Aktiebolag	30/06/2020	4171464	20737389.5	
4172398	BSH Hausgeräte GmbH	15/06/2021	4172398	21734303.7	
4172417	Aqstix GbR	25/06/2021	4172417	21735970.2	
4172483	Hoerbiger Wien GmbH	23/06/2021	4172483	21735676.5	German
4172704	Siemens Industry, Inc.	21/07/2021	4172704	21755868.3	
4173376	QUALCOMM INCORPORATED	24/06/2021	4173376	21743623.7	
4174251	Uponor Innovation AB	26/10/2021	4174251	21204813.6	
4174292	mitsubishi heavy industries engine & turbocharger, ltd.	20/07/2021	4174292	21863972.2	
4174545	Corning Research & Development Corporation	26/10/2022	4174545	22203888.7	
4174709	Sagemcom Broadband SAS	24/10/2022	4174709	22203298.9	French
4175132	MAZDA MOTOR CORPORATION Rohm Co., Ltd.	10/10/2022	4175132	22200502.7	
4175136	Yen Sun Technology Corp.	30/03/2022	4175136	22165447.8	
4175279	LG Innotek Co., Ltd.	23/06/2021	4175279	21828880.1	
4175338	Beijing Xiaomi Mobile Software Co., Ltd.	24/06/2020	4175338	20942323.5	
4175339	ZTE Corporation	24/06/2021	4175339	21831770.9	
4175478	Valent U.S.A. LLC	01/07/2021	4175478	21834441.4	
4175809	Getzner Werkstoffe Holding GmbH	28/06/2021	4175809	21737409.9	German
4176405	Block, Inc.	17/06/2021	4176405	21740380.7	
4176702	Amazonen-Werke H. Dreyer SE & Co. KG	24/10/2022	4176702	22401029.8	German
4176863	VOCO GmbH	05/10/2022	4176863	22199764.6	German
4177507	Pegatron Corporation	22/08/2022	4177507	22191455.9	
4177717	Samsung Electronics Co., Ltd.	19/07/2021	4177717	21854226.4	
4177960	STMicroelectronics S.r.l.	27/10/2022	4177960	22204133.7	
4178250	Vivo Mobile Communication Co., Ltd.	05/07/2021	4178250	21837361.1	
4178404	Strasser, Karl Werner	07/07/2021	4178404	21739392.5	German
4178848	BLACKSHIRE S.r.l.	08/07/2021	4178848	21752165.7	
4179186	Jaguar Land Rover Limited	07/07/2021	4179186	21739707.4	
4179467	Koninklijke Philips N.V.	08/07/2021	4179467	21742110.6	
4179584	Johnson Matthey Hydrogen Technologies Limited	06/07/2021	4179584	21746091.4	
4179635	Telefonaktiebolaget LM ERICSSON (PUBL)	10/07/2020	4179635	20739964.3	
4179732	Dish Network, L.L.C.	01/07/2021	4179732	21746887.5	
4179862	Techtronic Cordless GP	09/11/2022	4179862	22206349.7	
4180110	Coway Co., Ltd.	13/07/2021	4180110	21842227.7	
4180285	STILL GmbH	25/10/2022	4180285	22203556.0	German

4180737	Qingdao Haier Air Conditioner General Corp., Ltd. Qingdao Haier Air-Conditioning Electronic Co., Ltd Haier Smart Home Co., Ltd.	28/02/2022	4180737	22790716.9	
4180745	HAIER SMART HOME CO., LTD. QINGDAO HAIER REFRIGERATOR CO., LTD HAIER US APPLIANCE SOLUTIONS, INC.	07/07/2021	4180745	21838736.3	
4180753	QINGDAO HAIER REFRIGERATOR CO., LTD. HAIER SMART HOME CO., LTD.	12/07/2021	4180753	21842326.7	
4181074	Medit Corp.	12/07/2021	4181074	21837636.6	
4181147	FUJITSU LIMITED	08/07/2020	4181147	20944346.4	
4181516	Samsung Electronics Co., Ltd.	15/09/2021	4181516	21880331.0	
4181891	Jazz Pharmaceuticals Research UK Limited	15/07/2021	4181891	21746671.3	
4181943	Ipsen Biopharm Limited	16/07/2021	4181943	21746543.4	
4182048	Awe Technologies, LLC	15/07/2021	4182048	21841489.4	
4182115	INNSE-BERARDI S.P.A. SOCIETA' UNIPERSONALE	14/05/2021	4182115	21728299.5	
4182337	Simurx, Inc. Children's Hospital Los Angeles	16/07/2021	4182337	21752401.6	
4182440	Genoskin	16/07/2021	4182440	21742150.2	
4182801	Siemens Industry Software Inc.	24/06/2021	4182801	21742281.5	
4183096	Arqit Limited	20/07/2021	4183096	21749872.4	
4183282	Fontem Ventures B.V.	25/12/2014	4183282	23150527.2	
4183914	Qingdao Haier Washing Machine Co., Ltd. Haier Smart Home Co., Ltd.	09/07/2021	4183914	21846003.8	
4184690	LG Energy Solution, Ltd.	06/01/2022	4184690	22739572.0	
4184720	Hosiden Corporation	07/11/2022	4184720	22205759.8	
4184849	Lenovo (Singapore) Pte. Ltd.	09/08/2019	4184849	23150711.2	
4184898	Samsung Electronics Co., Ltd.	13/07/2021	4184898	21843234.2	
4185345	Cypher Medical, LLC	23/07/2021	4185345	21847010.2	
4185482	Jaguar Land Rover Limited	23/07/2021	4185482	21749169.5	
4185700	The University of North Carolina at Chapel Hill	23/07/2021	4185700	21845857.8	
4185840	Volkswagen Group of America Investments, LLC	21/07/2021	4185840	21846346.1	
4186174	Lenovo (Singapore) Pte. Ltd.	22/07/2021	4186174	21748679.4	
4186720	Audi AG	08/09/2022	4186720	22194655.1	German
4187027	CNH Industrial Italia S.p.A.	29/11/2022	4187027	22210368.1	
4187117	NSK Ltd.	29/06/2021	4187117	21845965.9	
4187166	Gree Electric Appliances, Inc. of Zhuhai	29/12/2020	4187166	20945966.8	
4187170	Daikin Industries, Ltd.	16/07/2021	4187170	21847318.9	
4187315	Envisics Ltd.	14/11/2022	4187315	22207252.2	
4188113	MIXSCIENCE	28/07/2021	4188113	21758322.8	French
4188165	Melitta Professional Coffee Solutions GmbH & Co. KG	12/07/2021	4188165	21742394.6	German
4188194	AGRI IOT LIMITED	27/07/2021	4188194	21752662.3	
4189902	QUALCOMM INCORPORATED	30/07/2021	4189902	21758539.7	
4190389	Spectrum Medical Ltd.	28/02/2017	4190389	22215365.2	
4190460	Nakata Manufacturing Co., Ltd.	30/07/2021	4190460	21851226.7	
4190728	Optimus Sorter Holding B.V.	24/01/2019	4190728	23154124.4	
4191978	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	16/07/2020	4191978	20945014.7	
4192159	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	06/08/2020	4192159	20948710.7	
4192382	Stryker Corporation	04/08/2021	4192382	21770089.7	
4192616	SOUTHWEST RESEARCH INSTITUTE	10/08/2020	4192616	20949669.4	
4192823	Saniona A/S	04/08/2021	4192823	21758633.8	
4193356	Salesforce, Inc.	01/10/2021	4193356	21802060.0	

4193546	QUALCOMM INCORPORATED	04/08/2021	4193546	21759488.6	
4193818	Schmidt, Caroline	26/05/2022	4193818	22020240.2	German
4195057	Micron Technology, Inc.	25/05/2018	4195057	22204922.3	
4195717	NXP B.V.	07/12/2021	4195717	21212954.8	
4196889	Ventana Medical Systems, Inc.	12/08/2021	4196889	21766284.0	
4197264	Telefonaktiebolaget LM Ericsson (publ)	11/08/2020	4197264	20757414.6	
4198951	Wemas Absperntechnik GmbH	14/11/2022	4198951	22207233.2	German
4199155	LG Energy Solution, Ltd.	25/05/2022	4199155	22811652.1	
4199590	China Telecom Corporation Limited	28/04/2021	4199590	21865544.7	
4200173	ZF CV Systems Global GmbH	19/07/2021	4200173	21746682.0	German
4200233	Dematic GmbH	16/08/2021	4200233	21759100.7	
4200662	OBE GmbH & Co. KG	16/08/2021	4200662	21762691.0	German
4200710	Advanced Micro Devices, Inc.	19/09/2021	4200710	21790010.9	
4200886	Maschinenfabrik Reinhausen GmbH	09/08/2021	4200886	21755981.4	German
4201085	QUALCOMM INCORPORATED	28/07/2021	4201085	21758509.0	
4201366	Elzaurdia López, Carlos	23/12/2021	4201366	21383210.8	
	Loroño Goicoechea, Gaizka				
	Conde Villar, Antonio Jesús				
	Martín Escorial, Alfonso				
	Dorado Nuño, Saúl Manuel				
4201667	Dai Nippon Printing Co., Ltd.	03/08/2021	4201667	21858161.9	
4202329	LG Electronics Inc.	24/04/2018	4202329	23152662.5	
4202835	HERE Global B.V.	22/12/2022	4202835	22216109.3	
4203166	Qingdao Lanketu Membrane Materials Co., Ltd.	31/12/2020	4203166	20961457.7	
4203432	INTEL Corporation	26/10/2022	4203432	22203720.2	
4203567	QUALCOMM Incorporated	08/08/2019	4203567	23156374.3	
4203772	HB Innovations, Inc.	29/04/2021	4203772	21862259.5	
4204874	Corning Research & Development Corporation	24/08/2021	4204874	21862531.7	
4205638	Samsung Electronics Co., Ltd.	27/05/2022	4205638	22175825.3	
4205656	Claripi Inc.	02/01/2023	4205656	23150059.6	
4205745	Shanghai Aurora Biotechnology Co., Ltd.	26/08/2021	4205745	21860476.7	
4206112	Zhejiang Dingli Machinery Co., LTD.	30/08/2022	4206112	22192900.3	
4206191	Shanghai Aurora Biotechnology Co., Ltd.	26/08/2021	4206191	21860477.5	
4206456	Rohr, Inc.	29/12/2022	4206456	22217228.0	
4206636	Beijing Goldwind Smart Energy Technology Co., Ltd.	30/09/2020	4206636	20951066.8	
	Suzhou Phaserise Technology Co., Ltd.				
4206686	Japan Aviation Electronics Industry, Limited	12/07/2021	4206686	21877195.4	
	INSTITUTE OF SCIENCE TOKYO				
4206761	Magic Leap, Inc.	23/04/2018	4206761	23157732.1	
4206878	LG Display Co., Ltd.	31/10/2022	4206878	22204753.2	
4207111	Robert Bosch GmbH	16/08/2021	4207111	21766707.0	
4207285	Nexperia B.V.	31/12/2021	4207285	21218452.7	
4207888	Beijing Jingshi Intellectual Property Management Co., Ltd	04/05/2018	4207888	22207846.1	
4208071	SharkNinja Operating LLC	03/09/2021	4208071	21865202.2	
4208123	SHERA Werkstoff-Technologie GmbH	31/08/2021	4208123	21769744.0	German
4208249	Medtronic Inc.	24/08/2021	4208249	21773926.7	
4208634	Safran Helicopter Engines	03/09/2021	4208634	21778180.6	French
	Safran Electrical & Power				
	Safran Power Units				
4208647	Weir Minerals Australia Ltd	29/10/2021	4208647	21884164.1	
4208846	Koninklijke Philips N.V.	26/08/2021	4208846	21765941.6	
4208988	QUALCOMM INCORPORATED	20/08/2021	4208988	21773191.8	
4209277	LG Energy Solution, Ltd.	26/07/2022	4209277	22862357.5	
4209641	Isostruc LLC	11/01/2023	4209641	23151097.5	
4209872	Apple Inc.	25/08/2015	4209872	23158566.2	
4209924	Nutanix, Inc.	20/08/2021	4209924	23159241.1	

4210004	Sony Semiconductor Solutions Corporation	05/01/2023	4210004	23150480.4	
	Sony Europe B.V.				
4210270	Apple Inc.	03/12/2015	4210270	23154671.4	
4211942	British Telecommunications public limited company	12/10/2021	4211942	21790868.0	
4212424	NOV - BLM	10/01/2023	4212424	23150962.1	French
4212450	Thermos L.L.C.	11/01/2023	4212450	23151204.7	
4212638	Proterial, Ltd.	07/09/2021	4212638	21866762.4	
4213171	Tokin Corporation	01/09/2021	4213171	21882452.2	
4213439	Kabushiki Kaisha Toshiba	16/07/2021	4213439	21866370.6	
	Toshiba Digital Solutions Corporation				
4213685	NPK Design B.V.	14/09/2021	4213685	21794418.0	
4214632	Zappar Limited	09/09/2021	4214632	21777834.9	
4214773	Samsung Display Co., Ltd.	17/09/2021	4214773	21785781.2	
4214778	Samsung Display Co., Ltd.	17/09/2021	4214778	21785786.1	
4214942	THALES DIS FRANCE SAS	31/08/2021	4214942	21769148.4	
4215030	KUBOTA CORPORATION	16/09/2021	4215030	21869418.0	
4215478	Murata Manufacturing Co., Ltd.	29/12/2022	4215478	22217056.5	
4215712	Thompson, David	22/12/2022	4215712	22216085.5	German
4216697	LG Display Co., Ltd.	29/12/2020	4216697	23161534.5	
	LG CHEM, LTD.				
4216799	Carl Zeiss Vision International GmbH	24/09/2021	4216799	21798562.1	
4217336	BIO ON S.p.A.	21/09/2021	4217336	21778238.2	
4217408	Sherwin-Williams (Guangdong) New Material Co., Ltd.	16/09/2021	4217408	21794733.2	
4217747	TMRW Life Sciences, Inc.	23/09/2021	4217747	21873453.1	
4217751	Advanced Micro Devices, Inc.	27/09/2021	4217751	21801694.7	
4217890	Ongrid Sports Technology GmbH	25/06/2021	4217890	21740433.4	German
4217991	Universita' Degli Studi di Firenze	22/09/2021	4217991	21790995.1	
4218179	QUALCOMM INCORPORATED	28/09/2021	4218179	21795183.9	
4218455	Altria Client Services LLC	30/07/2014	4218455	23163833.9	
4218595	FUJIFILM Corporation	29/07/2021	4218595	21871968.0	
4218603	FUJIFILM Corporation	09/09/2021	4218603	21872181.9	
4218608	Ethicon LLC	21/12/2017	4218608	23164388.3	
4218793	Fondazione IRCCS Istituto Neurologico Carlo Besta	01/07/2020	4218793	23151657.6	
4219105	SWISS KRONO Tec AG	31/01/2022	4219105	22154303.6	German
4219208	Prata Bruno Design	31/01/2023	4219208	23154347.1	French
4219858	EMEH, Inc.	27/04/2018	4219858	23152430.7	
4219953	Hamilton Sundstrand Corporation	25/01/2023	4219953	23153337.3	
4220205	NXP USA, Inc.	25/01/2023	4220205	23153268.0	
4220297	CBC Co., Ltd.	24/09/2020	4220297	20955197.7	
4220780	Contemporary Amperex Technology (Hong Kong) Limited	30/11/2021	4220780	21954420.2	
4220817	BYD Company Limited	24/09/2021	4220817	21871605.8	
4220825	Contemporary Amperex Technology (Hong Kong) Limited	30/09/2021	4220825	21958920.7	
4220874	Nichia Corporation	04/06/2019	4220874	23159600.8	
4221279	Apple Inc.	26/01/2021	4221279	23165330.4	
4221830	Elekta Limited	30/09/2021	4221830	21789623.2	
4222636	Google LLC	30/09/2020	4222636	20792850.8	
4222749	GeneSense Technology Inc.	24/12/2021	4222749	21944410.6	
4223255	Edwards Lifesciences Corporation	27/02/2012	4223255	23165990.5	
4223376	Nintendo Co., Ltd.	17/09/2021	4223376	21875297.0	
4223433	Nanoco Technologies Ltd	19/12/2014	4223433	23170215.0	
4223526	BROTHER KOGYO KABUSHIKI KAISHA	12/03/2021	4223526	21874775.6	
4224118	Alarm.com Incorporated	06/02/2023	4224118	23155215.9	
4224288	Ohrenstein, Robert	07/02/2022	4224288	22155499.1	
4224407	Sony Interactive Entertainment Inc.	31/01/2023	4224407	23154179.8	
4224468	Google LLC	06/09/2017	4224468	23165143.1	
4224650	Hitachi Energy Ltd	02/02/2022	4224650	22154809.2	

4224805	Samsung Display Co., Ltd.	08/02/2023	4224805	23155554.1	
4225077	Philip Morris Products S.A.	07/10/2021	4225077	21790138.8	
4225304	The Regents of The University of Michigan	12/10/2021	4225304	21880871.5	
4226503	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	05/10/2021	4226503	21787401.5	
4226843	TOPCON CORPORATION	11/10/2021	4226843	21880046.4	
4227570	swisspor Management AG	26/01/2018	4227570	23169667.5	German
4227763	Getac Technology Corporation	23/11/2022	4227763	22209072.2	
4228240	LG Innotek Co., Ltd.	05/10/2021	4228240	21877932.0	
4229269	Transocean Services AS	13/10/2021	4229269	21794497.4	
4229270	Od fjell Technology Invest Ltd	12/10/2021	4229270	21789804.8	
4229380	Inficon AG	14/10/2020	4229380	20803754.9	German
4230145	Wuhan United Imaging Healthcare Co., Ltd.	18/11/2021	4230145	21893990.8	
4230322	Jiangsu Contemporary Amperex Technology Limited	19/09/2022	4230322	22880096.7	
4230427	MITSUBISHI PENCIL COMPANY, LIMITED	05/10/2021	4230427	21879928.6	
4230490	KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	16/02/2022	4230490	22156909.8	
4231204	PETERSEN NODARSE, Guido Rogelio Hevia Oliver, José Luis Piattini Velthuis, Mario Gerardo	10/09/2021	4231204	21866143.7	
4231416	Contemporary Amperex Technology (Hong Kong) Limited	09/05/2019	4231416	23182869.0	
4232623	Toray Opelontex Co., Ltd	22/10/2021	4232623	21802005.5	
4233540	Globeride, Inc.	22/02/2023	4233540	23158056.4	
4233567	KT & G Corporation	29/11/2022	4233567	22893950.0	
4233622	NIKE Innovate C.V.	19/01/2022	4233622	23177931.5	
4233770	LN Robotics Inc.	19/04/2019	4233770	23179538.6	
4233798	Edwards Lifesciences Corporation	08/06/2009	4233798	23177249.2	
4234407	Hamilton Sundstrand Corporation	05/07/2019	4234407	23173247.0	
4234622	Zeon Corporation	06/10/2021	4234622	21882599.0	
4235050	Kazimierski, Wojciech	20/02/2023	4235050	23157658.8	
4235372	Samsung Electronics Co., Ltd.	14/02/2022	4235372	22759961.0	
4236031	LG Innotek Co., Ltd.	16/05/2019	4236031	23180850.2	
4236327	Samsung Electronics Co., Ltd.	20/02/2023	4236327	23157581.2	
4236723	ELC Management LLC	31/10/2021	4236723	21887689.4	
4236752	Leadoptik Inc.	27/12/2021	4236752	21916312.8	
4237197	Wera Werkzeuge GmbH	26/10/2021	4237197	21801463.7	German
4237256	Entrust Corporation	28/10/2021	4237256	21885487.5	
4237316	Caterpillar Inc.	27/10/2021	4237316	21811595.4	
4238053	Edwards Lifesciences Corporation	27/10/2021	4238053	21810503.9	
4238457	HUSQVARNA AB	03/03/2022	4238457	22160081.0	
4238542	Industry Academic Cooperation Foundation, Hallym University	19/10/2021	4238542	21886657.2	
4238562	Universitat Politècnica de València Fundación para la Investigación Médica Aplicada Consejo Superior de Investigaciones Científicas (CSIC) Universidad de Navarra	29/10/2021	4238562	21885419.8	
4238769	DNP Fine Chemicals Co., Ltd.	29/10/2021	4238769	21886397.5	
4239002	Denka Company Limited	27/10/2021	4239002	21886258.9	
4239079	President And Fellows Of Harvard College	16/02/2017	4239079	23166340.2	
4239323	General Electric Company	21/02/2023	4239323	23157772.7	
4239339	HITACHI HIGH-TECH CORPORATION	13/10/2021	4239339	21885909.8	
4239566	Siemens Healthineers AG	01/03/2022	4239566	22159399.9	
4239791	Samsung Electronics Co., Ltd.	08/04/2022	4239791	22785017.9	
4240049	Sagemcom Broadband SAS	24/02/2023	4240049	23158568.8	French
4241518	QUALCOMM INCORPORATED	04/11/2021	4241518	21888616.6	
4241626	Airweave Inc.	13/10/2021	4241626	21888988.9	

4241737	Coloplast A/S	09/03/2022	4241737	22160953.0	
4242019	Dellner Couplers AB	11/03/2022	4242019	22275029.1	
4242078	Carrier Corporation	07/03/2023	4242078	23160586.6	
4242364	Exel Industries	30/07/2018	4242364	23182721.3	French
4242449	Yanmar Holdings Co., Ltd.	07/03/2023	4242449	23160503.1	
4242474	The Boeing Company	08/02/2023	4242474	23155675.4	
4242741	II-VI Delaware, Inc.	27/02/2023	4242741	23158690.0	
4242750	CANON KABUSHIKI KAISHA	26/02/2016	4242750	23176685.8	
4242755	FUJIFILM Corporation	07/03/2023	4242755	23160480.2	
4242794	Lenovo (Singapore) Pte. Ltd.	24/02/2023	4242794	23158491.3	
4243337	Juniper Networks, Inc.	12/08/2020	4243337	23181807.1	
4243375	Huawei Technologies Co. Ltd.	08/08/2019	4243375	23167956.4	
4244375	Mayo Foundation for Medical Education and Research	29/10/2021	4244375	21892573.3	
4244836	U-NICA Solutions AG	11/11/2021	4244836	21810603.7	German
4245249	ROEN Surgical, Inc.	11/11/2021	4245249	21892333.2	
	Korea Advanced Institute of Science and Technology				
4245978	RTX Corporation	20/03/2023	4245978	23162980.9	
4246252	Rockwell Automation Technologies, Inc.	07/03/2023	4246252	23160434.9	
4246446	Shanghai Bilibili Technology Co., Ltd.	20/01/2022	4246446	22758720.1	
4247703	Fin Control Systems Pty. Limited	25/08/2021	4247703	21893126.9	
4248205	Waters Technologies Ireland Limited	22/12/2021	4248205	21840152.9	
4248239	Aurora Operations, Inc.	22/11/2021	4248239	21827732.5	
4249017	Becton Dickinson France	25/03/2022	4249017	22305377.8	
4249141	SMS group GmbH	13/03/2023	4249141	23161456.1	German
4249284	Yang, Meng-Lung	05/01/2023	4249284	23150481.2	
4249571	NLMK International B.V.	28/05/2021	4249571	21895219.0	
4250435	Contemporary Amperex Technology (Hong Kong) Limited	06/06/2022	4250435	22891426.3	
4250694	Samsung Electronics Co., Ltd.	10/02/2020	4250694	23178393.7	
4251894	Miba Gleitlager Austria GmbH	30/08/2021	4251894	21769635.0	German
4252035	Robert Bosch GmbH	21/09/2021	4252035	21786341.4	German
4252764	Greentech	01/04/2022	4252764	22166365.1	
4253000	ENGEL AUSTRIA GmbH	30/03/2022	4253000	22165459.3	German
4253053	RISO Technologies Corporation	10/03/2023	4253053	23161348.0	
4254168	Beijing Honor Device Co., Ltd.	18/05/2022	4254168	22844962.5	
4254591	Contemporary Amperex Technology (Hong Kong) Limited	30/11/2021	4254591	21965884.6	
4254867	Vectra AI, Inc.	19/08/2022	4254867	22191320.5	
4255118	Covidien LP	29/03/2023	4255118	23165110.0	
4256324	ENHANCED SYSTEMS & TECHNOLOGIES S.R.L.	02/12/2021	4256324	21839280.1	
4257214	Sony Interactive Entertainment Inc.	23/03/2023	4257214	23163762.0	
4257295	Max Co., Ltd.	11/04/2023	4257295	23167377.3	
4258179	ZF Friedrichshafen AG	30/03/2023	4258179	23165282.7	German
4258205	Shenzhen Sibrigh Technology Co., Ltd.	29/04/2021	4258205	21912791.7	
4259755	Saudi Arabian Oil Company	27/01/2022	4259755	22704188.6	
4259897	Magna International Inc.	08/12/2021	4259897	21904314.8	
4260082	Daimler Truck AG	15/10/2021	4260082	21794525.2	German
4260637	QUALCOMM INCORPORATED	15/11/2021	4260637	21824254.3	
4260647	QUALCOMM INCORPORATED	05/11/2021	4260647	21820033.5	
4260946	Jahn GmbH Umform- und Zerspanungstechnik	20/03/2023	4260946	23162876.9	German
4261533	Allez Health Inc.	12/04/2023	4261533	23167552.1	
4261540	Niigata University	05/01/2022	4261540	22738330.4	
4262490	De'Longhi Appliances S.r.l.	31/01/2022	4262490	22702471.8	
4263257	VALEO SYSTEMES THERMIQUES	21/11/2021	4263257	21815503.4	French
4263948	Stratec RT Srl	06/12/2021	4263948	21834896.9	
4264748	TE Connectivity Solutions GmbH	17/12/2021	4264748	21834927.2	
4265382	The Japan Steel Works, Ltd.	30/07/2021	4265382	21906044.9	

4266819	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	02/04/2021	4266819	21934132.8	
4267427	Magna Seating Inc.	30/03/2022	4267427	22716790.5	
4268242	Dexcom, Inc.	22/12/2021	4268242	21847665.3	
4268638	Shenzhen First Union Technology Co., Ltd.	24/12/2021	4268638	21909565.0	
4268858	Jiangsu Trulive Medtech Co., Ltd	16/05/2022	4268858	22836607.6	
4268973	J. Wagner GmbH	19/12/2019	4268973	23196735.7	German
	IONIQ Skincare GmbH & Co. KG				
4269153	Samsung Electronics Co., Ltd.	24/02/2022	4269153	22763529.9	
4269208	ALSTOM Holdings	27/04/2023	4269208	23170280.4	French
4269372	Sinoma Advanced Nitride Ceramics Co., Ltd.	24/12/2021	4269372	21909566.8	
4269385	Beijing Jitai Life Sciences Ltd.	22/03/2023	4269385	23163489.0	
	Metis TechBio Co., Ltd.				
4269813	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	12/01/2021	4269813	21918205.2	
4270063	Canon Medical Systems Corporation	25/04/2023	4270063	23169850.7	
4270322	Beijing Zitiao Network Technology Co., Ltd.	30/09/2022	4270322	22808577.5	
4270352	Zenseact AB	25/04/2022	4270352	22169701.4	
4270501	Brightek Optoelectronics Co., Ltd.	27/10/2022	4270501	22204137.8	
4270681	Wago Verwaltungsgesellschaft mbH	18/04/2023	4270681	23168530.6	German
4272315	Texas Instruments Incorporated	29/12/2021	4272315	21916424.1	
4272593	NIKE Innovate C.V.	07/04/2016	4272593	23198036.8	
4272635	Neurophet Inc.	30/12/2020	4272635	20926370.6	
4272793	Fisher & Paykel Healthcare Limited	27/03/2015	4272793	23191796.4	
4273396	General Electric Renovables España S.L.	04/05/2022	4273396	22171627.7	
4274034	Phoenix Contact GmbH & Co. KG	27/04/2023	4274034	23170364.6	German
4274164	Mastercard International Incorporated	04/12/2019	4274164	23187443.9	
4274358	Lenovo (Singapore) Pte. Ltd.	13/02/2020	4274358	23193435.7	
4275509	CASTEL MAC S.R.L.	12/05/2022	4275509	22020221.2	
4275738	Boston Scientific Scimed, Inc.	08/02/2019	4275738	23184391.3	
4275769	D-Air Lab S.r.l.	05/05/2023	4275769	23171827.1	
4276480	Siemens Aktiengesellschaft	10/05/2022	4276480	22172506.2	German
4276517	THALES	11/05/2023	4276517	23172893.2	French
4276755	Suzhou Cleva Precision Machinery & Technology Co., Ltd.	12/05/2023	4276755	23173140.7	
4276799	LG Energy Solution, Ltd.	26/07/2022	4276799	22901495.6	
4276986	LG Energy Solution, Ltd.	05/04/2022	4276986	22788324.6	
4277207	Cisco Technology, Inc.	18/11/2020	4277207	23201071.0	
4277301	CANON KABUSHIKI KAISHA	13/04/2023	4277301	23167871.5	
4277418	ZTE Corporation	13/10/2021	4277418	21917123.8	
4277553	Treace Medical Concepts, Inc.	17/01/2022	4277553	22740209.6	
4277776	LTS Lohmann Therapie-Systeme AG	12/01/2022	4277776	22702152.4	German
4278622	Telefonaktiebolaget LM Ericsson (publ)	13/01/2022	4278622	22739085.3	
4279044	Daio Paper Corporation	26/01/2022	4279044	22755857.4	
4279186	Jiangsu Contemporary Amperex Technology Limited	27/09/2022	4279186	22882597.2	
4279377	Airbus Operations Limited	17/05/2023	4279377	23174068.9	
4279383	Leonardo S.p.a.	18/05/2022	4279383	22174103.6	
4279863	Hexagon Innovation Hub GmbH	20/05/2022	4279863	22174538.3	
4280172	XPT EDS (Hefei) Co., Ltd.	19/05/2023	4280172	23174290.9	
4280307	Contemporary Amperex Technology (Hong Kong) Limited	31/03/2022	4280307	22912793.1	
4280798	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	31/03/2021	4280798	21933839.9	
4280918	Melitta Professional Coffee Solutions GmbH & Co. KG	18/01/2022	4280918	22700832.3	German
4281161	Alcyone Therapeutics, Inc.	28/01/2022	4281161	22746760.2	
4281200	Tangi0 Limited	25/01/2022	4281200	22702772.9	
4281262	Provisur Technologies, Inc.	17/02/2022	4281262	22706803.8	German
4281741	Cameron Technologies Limited	19/01/2022	4281741	22743082.4	

4281840	QUALCOMM Incorporated	07/01/2022	4281840	22701799.3	
4281929	Koninklijke Philips N.V.	17/01/2022	4281929	22703288.5	
4282186	T-Mobile Innovations LLC	04/01/2022	4282186	22701094.9	
4282520	Nippon Kayaku Kabushiki Kaisha	28/12/2021	4282520	21921377.4	
4282722	ZF CV Systems Europe BV	24/05/2022	4282722	22175130.8	
4282754	AIRBUS HELICOPTERS DEUTSCHLAND GmbH	24/05/2022	4282754	22400003.4	
4283318	Samsung SDI Co., Ltd. POSTECH Research and Business Development Foundation	25/05/2023	4283318	23175435.9	
4283753	LG Energy Solution, Ltd.	25/04/2022	4283753	22792078.2	
4283759	LG Energy Solution, Ltd.	13/10/2022	4283759	22883870.2	
4283786	AGC INC. AGC Glass Europe AGC Flat Glass North America, Inc. AGC Vidros do Brasil Ltda.	15/03/2019	4283786	23202222.8	
4284746	INVENTIO AG	06/01/2022	4284746	22700311.8	German
4284749	Lepotech B.V	26/01/2022	4284749	22702326.4	
4284778	Suzhou BrightHope Pharmatech Co., Ltd	01/02/2022	4284778	22750244.0	
4285136	QUALCOMM Incorporated	30/11/2021	4285136	21836671.4	
4285138	Samsung Electronics Co., Ltd.	12/04/2022	4285138	22849959.6	
4285237	Ab Initio Technology LLC	31/01/2022	4285237	22705248.7	
4285443	Telefonaktiebolaget LM Ericsson (publ)	28/01/2021	4285443	21921783.3	
4285463	NuCurrent, Inc.	28/01/2022	4285463	22746741.2	
4285622	Samsung Electronics Co., Ltd.	23/05/2022	4285622	22833404.1	
4286021	Yonex Co. Ltd.	19/01/2022	4286021	22745677.9	
4286182	Hyundai Mobis Co., Ltd.	19/08/2022	4286182	22191111.8	
4286594	Essystem Co., Ltd	31/01/2023	4286594	23154217.6	
4286600	KUBOTA CORPORATION	20/12/2021	4286600	21923214.7	
4286684	Nordex Energy SE & Co. KG	16/03/2022	4286684	23203983.4	German
4286685	Nordex Energy SE & Co. KG	16/03/2022	4286685	23203986.7	German
4286828	ARKRAY, Inc.	25/05/2023	4286828	23175464.9	
4287360	LG Energy Solution, Ltd.	15/07/2022	4287360	22842520.3	
4287418	Leyard Optoelectronic Co., Ltd	17/04/2023	4287418	23168282.4	
4287591	Tencent Technology (Shenzhen) Company Limited	21/06/2022	4287591	22845059.9	
4287956	Integrity Orthopaedics, Inc.	07/04/2022	4287956	22721937.5	
4287969	Medos International Sarl	02/02/2022	4287969	22705034.1	
4288670	Robert Bosch GmbH	20/01/2022	4288670	22701236.6	German
4289474	IMGT Co, Ltd.	24/02/2021	4289474	21917815.9	
4289715	Robert Bosch GmbH	02/06/2023	4289715	23177070.2	German
4289970	St. John's University	07/06/2018	4289970	23201936.4	
4290144	Panasonic Intellectual Property Management Co., Ltd.	25/05/2023	4290144	23175404.5	
4290314	Nivarox-FAR S.A.	08/06/2022	4290314	22177838.4	French
4290681	Getac Technology Corporation	20/01/2023	4290681	23152624.5	
4290694	Panasonic Intellectual Property Management Co., Ltd.	02/03/2023	4290694	23159550.5	
4290961	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	02/04/2021	4290961	21934069.2	
4291752	Saudi Arabian Oil Company	10/02/2022	4291752	22705981.3	
4291758	Nuovo Pignone Tecnologie - S.r.l.	15/02/2022	4291758	22705997.9	
4291784	Parker-Hannifin Corporation	14/01/2022	4291784	22702128.4	
4292118	Lam Research Corporation	14/01/2022	4292118	22753107.6	
4292413	Blue River Technology Inc.	11/04/2023	4292413	23167317.9	
4292451	Japan Tobacco Inc.	12/02/2021	4292451	21925639.3	
4292880	Geven S.p.A.	12/06/2023	4292880	23178651.8	
4292928	Microtecnica S.r.l.	17/06/2022	4292928	22425026.6	
4293029	Shanghai Blue-ray Biopharma Co., Ltd.	10/02/2022	4293029	22752326.3	
4293699	FEI Company	07/06/2023	4293699	23178069.3	
4293790	Contemporary Amperex Technology (Hong Kong) Limited	11/01/2022	4293790	22919356.0	

4293989	Samsung Electronics Co., Ltd.	11/01/2022	4293989	22767300.1	
4294319	Ferton Holding S.A.	21/02/2022	4294319	22706629.7	
4294376	LTS Lohmann Therapie-Systeme AG	17/02/2022	4294376	22706322.9	
4295048	Edwards Technologies Vacuum Engineering (Qingdao) Co Ltd	16/02/2022	4295048	22706412.8	
4295102	SAAB AB	11/02/2022	4295102	22756639.5	
4295252	trinamiX GmbH	17/02/2022	4295252	22710525.1	
4295521	QUALCOMM Incorporated	10/01/2022	4295521	22701864.5	
4295534	Lenovo (Singapore) Pte. Ltd.	18/02/2022	4295534	22707850.8	
4295749	Panasonic Intellectual Property Management Co., Ltd.	17/02/2022	4295749	22756260.0	
4296131	Great Wall Motor Company Limited	31/12/2021	4296131	21926393.6	
4296294	Lg Chem, Ltd.	05/10/2022	4296294	22878880.8	
4296538	Milwaukee Electric Tool Corporation	30/05/2023	4296538	23176128.9	
4296564	Marelli Automotive Lighting Italy S.p.A. Con Socio Unico	23/06/2022	4296564	22180758.9	
4296749	Evident Corporation	19/06/2023	4296749	23179966.9	
4296762	Shanghai Isparx Medical Co., Ltd	19/01/2022	4296762	22882182.3	
4296824	Avago Technologies International Sales Pte. Limited	06/08/2019	4296824	23203220.1	
4298921	Stefan cel Mare University of Suceava	21/07/2022	4298921	22464002.9	
4298947	Nike Innovate C.V.	10/03/2017	4298947	23193459.7	
4298965	Chen, Ming-yang Wang, Chan-liang Chen, Ming-sheng	25/02/2021	4298965	21927196.2	
4299242	CHIRON Group SE	27/06/2023	4299242	23181851.9	German
4299705	The Procter & Gamble Company	27/06/2022	4299705	22181218.3	
4300264	WYVRN	01/07/2022	4300264	22305976.7	
4301084	Beijing Xiaomi Mobile Software Co., Ltd.	26/02/2021	4301084	21927290.3	
4301231	Koninklijke Philips N.V.	23/02/2022	4301231	22705843.5	
4302084	DH Technologies Development Pte. Ltd.	28/02/2022	4302084	22717425.7	
4302181	QUALCOMM INCORPORATED	04/02/2022	4302181	22705673.6	
4302705	TERUMO KABUSHIKI KAISHA	09/03/2022	4302705	22771223.9	
4302970	Tetra Laval Holdings & Finance S.A.	19/06/2023	4302970	23180023.6	
4303458	Aktiebolaget SKF	21/06/2023	4303458	23180781.9	
4303588	HITACHI HIGH-TECH CORPORATION	25/01/2022	4303588	22762847.6	
4303854	HONEST MEDICAL CHINA CO., LTD.	05/07/2023	4303854	23183562.0	
4304117	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	11/05/2021	4304117	21941289.7	
4304963	BOBST MEX SA	28/02/2022	4304963	22707773.2	
4305293	SEM AB	04/03/2022	4305293	22711012.9	
4305305	BFT GmbH	08/03/2022	4305305	22709550.2	German
4305990	SQLab GmbH	11/07/2022	4305990	22184217.2	German
4306097	Nipro Corporation	10/03/2022	4306097	22767215.1	
4306224	Daikin Industries, Ltd.	04/03/2022	4306224	22767013.0	
4306302	Tetra Laval Holdings & Finance S.A.	29/05/2023	4306302	23175888.9	
4306303	Tetra Laval Holdings & Finance S.A.	29/05/2023	4306303	23175889.7	
4306305	Tetra Laval Holdings & Finance S.A.	29/05/2023	4306305	23175887.1	
4306769	Siemens Energy Global GmbH & Co. KG	13/07/2022	4306769	22184721.3	
4306921	Gebrüder Loepfe AG	13/07/2022	4306921	22184638.9	
4307120	Hitachi, Ltd.	14/02/2022	4307120	22766737.5	
4307982	Winterhalter Product & Technology GmbH	16/03/2022	4307982	22716016.5	German
4308810	Kuhn, Harald	16/03/2022	4308810	22716180.9	German
4308817	Cirelia Nordic ApS	16/03/2022	4308817	22713509.2	
4308825	ZF CV Systems Europe BV	01/03/2022	4308825	22709700.3	German
4309115	Google LLC	18/10/2022	4309115	22802821.3	
4309345	Lenovo (Singapore) Pte. Ltd.	15/03/2022	4309345	22711659.7	
4309584	Samsung Medison Co., Ltd.	20/08/2021	4309584	21931815.1	
4309943	LG Electronics Inc.	17/05/2023	4309943	23173805.5	
4310605	The Swatch Group Research and Development Ltd	20/07/2022	4310605	22185894.7	French
4310707	Morphisec Information Security 2014 Ltd.	19/07/2023	4310707	23186433.1	

4311186	EXFO Solutions SAS	17/07/2023	4311186	23185942.2	
4311367	Cisco Technology, Inc.	18/06/2019	4311367	23192795.5	
4311421	CLAAS Selbstfahrende Erntemaschinen GmbH	28/04/2023	4311421	23170561.7	German
4311762	AIRBUS HELICOPTERS DEUTSCHLAND GmbH AIRBUS HELICOPTERS	29/07/2022	4311762	22400007.5	
4311774	AMI Industries, Inc.	25/07/2023	4311774	23187573.3	
4312008	VOLKSWAGEN AG	17/07/2023	4312008	23185920.8	German
4312371	ABB Schweiz AG	26/07/2022	4312371	22186958.9	
4312790	Koninklijke Philips N.V.	16/03/2022	4312790	22715066.1	
4313287	Siemens Healthineers International AG	21/03/2022	4313287	22717095.8	
4313324	Peloton Interactive, Inc.	31/03/2022	4313324	22782230.1	
4313737	Politecnico di Milano	24/02/2022	4313737	22706690.9	
4313816	Kimberly-Clark Worldwide, Inc.	30/03/2021	4313816	21935379.4	
4314551	Dumarey Flybrid Limited	29/03/2022	4314551	22715156.0	
4314747	Ventete Limited	24/03/2022	4314747	22714516.6	
4314945	Ricoh Company, Ltd.	08/03/2022	4314945	22710175.5	
4315246	Siemens Healthineers International AG	21/03/2022	4315246	22717379.6	
4315831	Sony Semiconductor Solutions Corporation	17/02/2022	4315831	22710335.5	
4315832	Sony Semiconductor Solutions Corporation	18/03/2022	4315832	22716247.6	
4316651	Mitsui Mining & Smelting Co., Ltd.	17/01/2022	4316651	22779387.4	
4316713	Kato Mfg. Co., Ltd.	31/01/2023	4316713	23749752.4	
4316922	Valeo Comfort and Driving Assistance	15/06/2023	4316922	23179415.7	
4317510	Hyundai Steel Company	05/10/2021	4317510	21939907.8	
4317520	EV Group E. Thallner GmbH	20/04/2020	4317520	23216135.6	German
4317602	Sumitomo Construction Machinery Co., Ltd.	23/03/2022	4317602	22780388.9	
4317782	Wuhu Midea Smart Kitchen Appliance Manufacturing Co., Ltd.	28/03/2022	4317782	22851592.0	
4317826	GD Midea Heating & Ventilating Equipment Co., Ltd. HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.	11/02/2022	4317826	22814734.4	
4318127	Lumus Ltd.	25/10/2020	4318127	23192543.9	
4318441	NTT Docomo Business, Inc.	25/03/2022	4318441	22775864.6	
4319068	Google LLC	23/06/2014	4319068	23214981.5	
4321270	COPROGET S.r.l.	18/07/2023	4321270	23186031.3	
4321767	Aktiebolaget SKF	24/07/2023	4321767	23187352.2	
4321875	Murata Manufacturing Co., Ltd.	12/08/2022	4321875	22190111.9	
4322144	Honor Device Co., Ltd.	26/12/2022	4322144	22928449.2	
4322307	LG Energy Solution, Ltd.	08/08/2023	4322307	23190185.1	
4323199	Rolling Optics Innovation AB	12/04/2022	4323199	22788542.3	
4323354	Novartis AG	11/04/2022	4323354	22716539.6	
4323494	MICHEL, Adrian	14/04/2022	4323494	22717714.4	German
4324408	Genesis Medtech Surgical Device (Wuxi) Co., Ltd	15/02/2023	4324408	23759066.6	
4324511	BEIJING LEADING INNOVATION MEDICAL VALLEY CO., LTD	25/03/2022	4324511	22787354.4	
4324545	Cummins Filtration IP, Inc.	26/08/2019	4324545	23219502.4	
4324690	Goodrich Corporation	15/03/2019	4324690	24150390.3	
4325051	Neoceram S.A.	17/08/2022	4325051	22190844.5	
4325057	Edwards Limited	18/01/2018	4325057	24150178.2	
4325169	Aptiv Technologies AG	23/03/2023	4325169	23163660.6	
4325335	Meta Platforms Technologies, LLC	17/08/2023	4325335	23191848.3	
4326861	University of Miami Precision Biosciences, Inc.	22/04/2022	4326861	22724280.7	
4327415	Trilux GmbH & Co. KG	21/04/2022	4327415	22723143.8	German
4327846	Fresenius Kabi Deutschland GmbH	22/08/2022	4327846	22191453.4	
4328052	MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.	28/04/2022	4328052	22811131.6	
4328117	Hymer GmbH & Co. KG	19/08/2023	4328117	23192298.0	German

4328450	Guangzhou Deshan CNC Technology Co., Ltd.	22/02/2022	4328450	22862542.2	
4328656	Magic Leap, Inc.	05/07/2018	4328656	24151294.6	
4329327	BANG & OLUFSEN A/S	26/08/2022	4329327	22192283.4	
4329336	Suzhou Sonavox Electronics Co., Ltd.	27/12/2021	4329336	21937756.1	
4329439	Masimo Corporation	05/02/2016	4329439	23217064.7	
4330229	Takeda Pharmaceutical Company Limited	25/04/2022	4330229	22721857.5	
4330451	Tessenderlo Group NV	28/04/2022	4330451	22726432.2	
4330549	Edwards Limited	28/04/2022	4330549	22722873.1	
4330553	Edwards Limited	29/04/2022	4330553	22722336.9	
4330564	Moog Inc.	27/04/2022	4330564	22723900.1	
4330835	Shanghai United Imaging Healthcare Co., Ltd.	13/09/2022	4330835	22866795.2	
4331179	Forescout Technologies, Inc.	11/03/2022	4331179	22716294.8	
4331309	Samsung Electronics Co., Ltd.	02/08/2022	4331309	22853438.4	
4331749	Yamazaki Mazak Corporation	27/05/2022	4331749	22811416.1	
4331861	AUDI AG	14/07/2023	4331861	23185492.8	German
4331921	Aisin Corporation	18/07/2023	4331921	23186095.8	
4331987	Airbus Operations GmbH	30/08/2022	4331987	22192739.5	German
4332325	Max Co., Ltd.	28/08/2023	4332325	23193765.7	
4332341	Athmer OHG	30/08/2022	4332341	22192810.4	German
4332923	Epic Systems Co., Ltd.	20/01/2022	4332923	22922260.9	
4333299	Huawei Digital Power Technologies Co., Ltd.	30/08/2023	4333299	23194158.4	
4333568	Samsung Electronics Co., Ltd.	14/07/2022	4333568	22846136.4	
4333571	Samsung Electronics Co., Ltd.	24/06/2022	4333571	22842317.4	
4333721	Covidien LP	07/05/2021	4333721	21939683.5	
4333804	Laboratorios Inibsa, S.A.	06/05/2022	4333804	22727349.7	
4334627	SKF Lubrication Systems Germany GmbH	25/04/2022	4334627	22725721.9	German
4335528	Joseph Tennisplatzbau AG	08/09/2023	4335528	23196378.6	German
4335590	Andreas Maier GmbH & Co. KG	06/09/2023	4335590	23195839.8	German
4336136	Mitutoyo Corporation	30/08/2023	4336136	23194344.0	
4336508	Changxin Memory Technologies, Inc.	12/08/2022	4336508	22924579.0	
4336634	Prime Planet Energy & Solutions, Inc.	26/07/2023	4336634	23187771.3	
4336969	Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd.	10/03/2022	4336969	22810127.5	
	Midea Group Co., Ltd.				
4337153	Injection Safety Industries, Llc	12/05/2022	4337153	22727656.5	
4337169	Cingulate Therapeutics LLC	10/05/2022	4337169	22808184.0	
4337861	thyssenkrupp Dynamic Components GmbH thyssenkrupp AG	29/04/2022	4337861	22727023.8	German
4338632	Autoliv Development AB	14/09/2022	4338632	22195667.5	
4338879	VOLKSWAGEN AG	18/07/2023	4338879	23186201.2	German
4339625	GE Vernova Technology GmbH	01/08/2023	4339625	23189087.2	
4339886	Panasonic Intellectual Property Corporation of America	02/05/2022	4339886	22807391.2	
4340025	GlobalFoundries U.S. Inc.	20/07/2023	4340025	23186567.6	
4340214	Hamilton Sundstrand Corporation	14/07/2023	4340214	23185575.0	
4340749	Stryker Corporation	28/10/2021	4340749	21811649.9	
	Stryker European Operations Limited				
4341609	Lumileds LLC	19/05/2022	4341609	22741401.8	
4341716	Quad Systems AG	17/05/2022	4341716	22727199.6	
4341934	SILICON STORAGE TECHNOLOGY, INC.	02/09/2021	4341934	21778651.6	
4342031	Wago Verwaltungsgesellschaft mbH	17/05/2022	4342031	22730114.0	German
4342386	Esaote S.p.A.	26/09/2022	4342386	22197679.8	
4342419	Tokuyama Dental Corporation	13/05/2022	4342419	22804605.8	
4342800	Airbus Operations Limited	11/09/2023	4342800	23196648.2	
4342810	FRIES Management & Investment GmbH	29/08/2023	4342810	23193835.8	German
4342913	Shanghai Escugen Biotechnology Co., Ltd.	19/05/2022	4342913	22804030.9	
	Guangzhou Yinnuolai Biotechnology Co., Ltd.				

4343147	Peter Herbers GmbH	12/09/2023	4343147	23196921.3	German
4343762	Creative Technology Ltd.	22/09/2023	4343762	23198990.6	
4343844	Samsung Display Co., Ltd.	08/09/2023	4343844	23196397.6	
4343852	Samsung Electronics Co., Ltd.	23/08/2023	4343852	23192940.7	
4343903	LG Energy Solution, Ltd.	11/08/2022	4343903	22858672.3	
4344134	Beijing Volcano Engine Technology Co., Ltd.	07/04/2023	4344134	23794981.3	
4344407	EYEBYON MEDICAL LTD.	13/06/2022	4344407	22741842.3	German
4344419	Tyrolit - Schleifmittelwerke Swarovski AG & Co K.G.	25/04/2022	4344419	22719772.0	
4344760	Shanghai Morimatsu Engineering Technology Co. Ltd Morimatsu (Jiangsu) Heavy Industry Co., Ltd.	12/05/2023	4344760	23808651.6	
4345319	A. RAYMOND ET CIE	22/09/2023	4345319	23199036.7	French
4345354	Henn GmbH & Co KG.	22/09/2023	4345354	23199214.0	German
4345372	International Paper Company	09/03/2015	4345372	23213552.5	
4345564	Ecovacs Robotics Co., Ltd.	25/09/2015	4345564	23209957.2	
4345777	Mashang Consumer Finance Co., Ltd.	03/08/2022	4345777	22899948.8	
4345957	Hyundai Motor Company Kia Corporation	05/07/2023	4345957	23183645.3	
4346199	Samsung Electronics Co., Ltd.	23/06/2023	4346199	23181180.3	
4346486	Out of S.r.l.	01/06/2022	4346486	22733219.4	
4346695	Jellisee Ophthalmics Inc.	01/06/2022	4346695	22735722.5	
4347343	VOLKSWAGEN AKTIENGESELLSCHAFT	20/05/2022	4347343	22730185.0	German
4348085	Robert Bosch GmbH	20/05/2022	4348085	22730197.5	German
4348087	Samson Aktiengesellschaft	05/05/2022	4348087	22727871.0	German
4348275	THALES	20/05/2022	4348275	22729685.2	French
4348616	Essence Security International (E.S.I.) Ltd.	24/05/2022	4348616	22729822.1	
4348638	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. Friedrich-Alexander-Universität Erlangen-Nürnberg, Körperschaft des öffentlichen Rechts	25/05/2022	4348638	22735305.9	
4348813	Groundwaves Ltd.	27/05/2022	4348813	22733887.8	French
4348985	Orange	30/05/2022	4348985	22732604.8	
4349559	Soudal NV	02/10/2023	4349559	23201276.5	
4349572	RICO Group GmbH	04/10/2023	4349572	23020457.0	German
4350191	Westnetz GmbH	26/09/2023	4350191	23199610.9	German
4350239	Qingdao Haier Air Conditioner General Corp., Ltd. Qingdao Haier Air-Conditioning Electronic Co., Ltd Haier Smart Home Co., Ltd.	10/05/2022	4350239	22851650.6	
4350984	Lapp Engineering AG	03/10/2022	4350984	22199385.0	German
4351375	Nike Innovate C.V.	09/06/2022	4351375	22738147.2	
4351702	INBRAIN Neuroelectronics SL	10/06/2022	4351702	22732265.8	
4352750	Copenhagen Atomics A/S	25/05/2022	4352750	22815405.0	
4353199	Technische Universität München	14/10/2022	4353199	22201644.6	
4353287	Flaem Nuova S.p.A.	05/10/2023	4353287	23201907.5	
4353541	Japan Aviation Electronics Industry, Limited	18/04/2022	4353541	22852615.8	
4353556	NISSAN MOTOR CO., LTD.	11/06/2021	4353556	21944436.1	
4354142	UNIWERSYTET JAGIELLONSKI Uniwersytet Medyczny W Lodzi	15/10/2022	4354142	22461622.7	
4354502	Samsung Electronics Co., Ltd.	19/06/2023	4354502	23735955.9	
4354585	Contemporary Amperex Technology (Hong Kong) Limited	02/11/2022	4354585	22897568.6	
4354622	LG Energy Solution, Ltd.	03/02/2023	4354622	23756552.8	
4354644	LG Energy Solution, Ltd.	23/06/2022	4354644	22828796.7	
4355549	3M Innovative Properties Company	07/06/2022	4355549	22740671.7	

4355565	Bridgestone Americas Tire Operations, LLC	14/06/2022	4355565	22825999.0	
4355632	Harting Customised Solutions GmbH & Co. KG	30/05/2022	4355632	22731058.8	German
4356098	Lesaffre et Compagnie	13/06/2022	4356098	22741329.1	French
4356263	Tableau Software, LLC	26/05/2022	4356263	22738109.2	
4356522	HUF Hülsbeck & Fürst GmbH & Co. KG	08/06/2022	4356522	22735096.4	German
4356946	ResMed Pty Ltd	12/07/2012	4356946	23212110.3	
4357049	Ethicon LLC	29/12/2020	4357049	24163008.6	
4357242	Lockheed Martin Corporation	17/10/2023	4357242	23204074.1	
4357696	Sumitomo Heavy Industries, LTD.	09/10/2023	4357696	23202360.6	
4357871	Beijing Indemind Technology Co., Ltd.	15/06/2022	4357871	22824222.8	
4358022	FUJIFILM Corporation	24/05/2022	4358022	22824751.6	
4358375	Hyundai Mobis Co., Ltd.	12/10/2023	4358375	23203226.8	
4358412	Calterah Semiconductor Technology (Shanghai) Co., Ltd	26/06/2023	4358412	23825592.1	
4358450	Wilus Institute of Standards and Technology Inc.	11/11/2019	4358450	24161067.4	
4359271	Astemo France	23/06/2022	4359271	22734321.7	French
4359604	MM Kotkamills Oy	23/06/2022	4359604	22757981.0	
4360587	3Shape A/S	22/01/2021	4360587	24155465.8	
4360763	KT&G Corporation	01/06/2023	4360763	23765133.6	
4360895	Seriscreen S.r.l.	21/09/2023	4360895	23198719.9	
4361477	Sstatzz Oy	29/06/2023	4361477	23182348.5	
4361590	LWF UK LIMITED	28/02/2019	4361590	24162706.6	
4361630	ARKRAY, Inc.	18/10/2023	4361630	23204481.8	
4361999	Stoneridge Electronics AB	23/10/2023	4361999	23205306.6	
4364037	Giesecke+Devrient ePayments GmbH	24/06/2022	4364037	22740772.3	German
4364602	Skechers U.S.A., Inc. II	14/10/2022	4364602	24162975.7	
4364930	The Procter & Gamble Company	01/11/2022	4364930	22204948.8	
4364964	Sumitomo Rubber Industries, Ltd.	11/01/2022	4364964	23218035.6	
4365402	Ningbo Sunfree Motor Technology Company Limited	28/03/2023	4365402	23164761.1	
4365548	Trimble Inc.	20/10/2023	4365548	23204778.7	
4365709	Samsung Electronics Co., Ltd.	19/05/2022	4365709	22864815.0	
4366805	M.T.K. Medical Center Limited Liability Company	25/08/2022	4366805	22777312.4	
4367622	IOX GmbH	05/07/2022	4367622	22747631.4	German
4367871	Telecom Italia S.p.A.	05/07/2022	4367871	22747635.5	
4368517	The Boeing Company	20/09/2023	4368517	23198435.2	
4368559	Liebherr-Werk Nenzing GmbH	27/09/2023	4368559	23199958.2	German
4369141	Samsung Electronics Co., Ltd.	26/05/2022	4369141	22855976.1	
4369224	Valeo Comfort and Driving Assistance	14/11/2022	4369224	22207256.3	
4369292	Contemporary Ampere Technology (Hong Kong) Limited	08/04/2022	4369292	22936172.0	
4369295	Contemporary Ampere Technology (Hong Kong) Limited	30/03/2023	4369295	23742177.1	
4369296	Beijing Zitiao Network Technology Co., Ltd.	08/08/2022	4369296	22857628.6	
4370207	Nido Biosciences, Inc.	11/07/2022	4370207	22751538.4	
4370345	BOBST MEX SA	07/07/2022	4370345	22747309.7	
4370390	Haldex Brake Products AB	14/07/2022	4370390	22743836.3	
4370447	VIBO S.p.A.	14/07/2022	4370447	22768935.3	
4370835	BSH Hausgeräte GmbH	12/07/2022	4370835	22741518.9	German
4370998	Microsoft Technology Licensing, LLC	31/05/2022	4370998	22737682.9	
4371292	Oracle International Corporation	13/07/2022	4371292	22758608.8	
4371472	Quest Photonic Devices B.V.	23/10/2023	4371472	23205172.2	
4371658	Qingdao Hanbo Plastic Technology Co., Ltd	24/06/2022	4371658	22841171.6	
4371732	Niagara Bottling, LLC	26/02/2020	4371732	24165660.2	
4372039	LG Chem, Ltd.	04/07/2023	4372039	23840870.2	
4372182	FQ One GmbH	08/11/2023	4372182	23208475.6	German

4372205	Beltrán Medina, Pedro	13/07/2022	4372205	22765929.9	
	Martínez Arias, Alfredo				
4372264	LG Electronics Inc.	01/02/2018	4372264	24168690.6	
4373264	Perdue Foods LLC	19/07/2022	4373264	22846519.1	
4374084	ZF CV Systems Europe BV	21/06/2022	4374084	22733990.0	German
4374150	Samson Aktiengesellschaft	13/07/2022	4374150	22743829.8	German
4374884	Bacchustorm	24/11/2023	4374884	23211974.3	French
4376446	Capital One Services, LLC	13/01/2021	4376446	24169737.4	
4376731	Karl Storz SE & Co. KG	25/07/2022	4376731	22757863.0	German
4377058	POLAR-Mohr Beteiligungs GmbH	19/07/2022	4377058	22751716.6	German
4377578	Hickley, Nicolaas Hendrik	28/07/2022	4377578	22848791.4	
4377704	Viper Innovations Ltd	20/07/2022	4377704	22747398.0	
4378442	NUNAPS INC.	25/08/2022	4378442	22864963.8	
	The Asan Foundation				
	University Of Ulsan Foundation For				
	Industry Cooperation				
4379119	QINGDAO HAIER LAUNDRY	17/06/2022	4379119	22848095.0	
	ELECTRIC APPLIANCES CO., LTD.				
	HAIER SMART HOME CO., LTD.				
4379329	Embark Trucks Inc.	07/11/2023	4379329	23208171.1	
4379429	FUJIFILM Corporation	10/05/2022	4379429	22848985.2	
4379830	LG ENERGY SOLUTION, LTD.	11/01/2023	4379830	23807733.3	
4379997	LG Energy Solution, Ltd.	23/09/2022	4379997	22907636.9	
4380063	Honor Device Co., Ltd.	22/08/2023	4380063	23855826.6	
4380127	Samsung Electronics Co., Ltd.	19/06/2023	4380127	23180013.7	
4381500	Sony Group Corporation	22/09/2022	4381500	22786466.7	
4382636	The Procter & Gamble Company	27/09/2023	4382636	23200176.8	
4382728	RTX Corporation	02/07/2021	4382728	24172014.3	
4382867	Deutsches Zentrum für Luft- und Raumfahrt e.V.	30/11/2023	4382867	23213209.2	German
4383469	Changchun Jetty Automotive Technology Co., Ltd.	05/08/2022	4383469	22852344.5	
4383474	Japan Aviation Electronics Industry, Limited	14/04/2022	4383474	22852612.5	
4384518	The University Court Of The University of Edinburgh	10/08/2022	4384518	22757992.7	
4384740	GOLAN RENEWABLE INDUSTRIES LTD	09/08/2021	4384740	21759275.7	
	BRUGG Rohrsystem AG				
4384753	Saudi Arabian Oil Company	26/09/2022	4384753	22800040.2	
4385018	Silicon Storage Technology, Inc.	01/02/2022	4385018	22704837.8	
4385488	Kao Corporation	01/12/2023	4385488	23213649.9	
4385614	Samsung Electronics Co., Ltd.	04/05/2023	4385614	23171595.4	
4386248	ZF Commercial Vehicle Systems (Qingdao) Co., Ltd.	12/12/2023	4386248	23215957.4	
4386502	HYUNDAI MOTOR COMPANY	28/09/2023	4386502	23200359.0	
	Kia Corporation				
4386956	Vehicle Energy Japan Inc.	30/03/2022	4386956	22935366.9	
4387528	Koninklijke Philips N.V.	08/08/2022	4387528	22772424.2	
4387783	ThyssenKrupp Steel Europe AG	12/08/2022	4387783	22765467.0	German
4388052	GRTgaz	29/08/2022	4388052	22769664.8	French
4389033	Shanghai Microport Ep Medtech Co., Ltd.	06/09/2023	4389033	23822592.4	
4389253	Drops Tech 2015 Ltd	20/12/2023	4389253	23218790.6	
4389546	CNH Industrial Italia S.p.A.	18/12/2023	4389546	23217791.5	
4389607	PRATT & WHITNEY CANADA CORP.	22/12/2023	4389607	23219889.5	
4390076	CNH Industrial America LLC	05/12/2023	4390076	23214439.4	
4390107	RTX Corporation	20/12/2023	4390107	23218820.1	
4390505	Snap Inc.	30/03/2021	4390505	24174664.3	
4391293	LG Energy Solution, Ltd.	06/01/2023	4391293	23827311.4	
4392291	Renault s.a.s	21/07/2022	4392291	22744489.0	French
	Nissan Motor Co., Ltd.				
4392318	Robert Bosch GmbH	04/08/2022	4392318	22761506.9	German

4393414	TERUMO Kabushiki Kaisha	08/09/2022	4393414	22872721.0	
4393427	BIONSENSE WEBSTER (ISRAEL) LTD.	22/12/2023	4393427	23219731.9	
4393763	Hyundai Mobis Co., Ltd.	27/10/2023	4393763	23206325.5	
4394364	Contemporary Ampere Technology (Hong Kong) Limited	29/03/2023	4394364	23731930.6	
4395074	Softbank Corp.	29/09/2022	4395074	22876433.8	
4395425	Lenovo (Singapore) Pte. Ltd	11/05/2019	4395425	24176883.7	
4396062	Wonderland Switzerland AG	02/09/2022	4396062	22772949.8	
4396447	EXERGY INTERNATIONAL S.R.L	24/08/2022	4396447	22761019.3	
4397006	META PLATFORMS TECHNOLOGIES, LLC	02/09/2022	4397006	22777850.3	
4397478	G.D SOCIETA' PER AZIONI	16/06/2022	4397478	24174784.9	
4397855	Jiangsu Goldwind Science & Technology Co., Ltd.	14/03/2022	4397855	22884935.2	
4398394	Contemporary Ampere Technology (Hong Kong) Limited	05/01/2023	4398394	23739892.0	
4399006	GE Vernova Technology GmbH	09/09/2021	4399006	21783370.6	
4399007	GE Vernova Technology GmbH	09/09/2021	4399007	21786695.3	
4399619	Tekion Corp	08/09/2022	4399619	22868047.6	
4400659	Sumitomo Heavy Industries, LTD.	22/12/2023	4400659	23219664.2	
4400914	Shin-Etsu Chemical Co., Ltd.	04/01/2024	4400914	24150350.7	
4401670	Ferton Holding S.A.	16/09/2022	4401670	22793118.5	
4401679	Edwards Lifesciences Corporation	13/09/2022	4401679	22783194.8	
4402053	Safran Landing Systems	14/09/2022	4402053	22789511.7	French
4402157	Xilio Development, Inc.	14/09/2022	4402157	22801643.2	
4402391	Net-Automation GmbH	26/07/2022	4402391	22748224.7	German
4403029	Beck & Brehm UG	15/01/2024	4403029	24020019.6	German
4403367	Ricoh Company, Ltd.	18/01/2024	4403367	24152663.1	
4403409	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI	10/08/2022	4403409	22869728.0	
4403681	Transforming Textiles AB	20/01/2023	4403681	23152596.5	
4403776	Daikin Industries, Ltd.	13/10/2022	4403776	22886718.0	
4403801	TOYOTA JIDOSHA KABUSHIKI KAISHA	03/01/2024	4403801	24150250.9	
4404157	SwipBox Development ApS	18/01/2023	4404157	23152160.0	
4405073	Cobra Beheer B.V.	22/09/2022	4405073	22783062.7	
4405256	G.D S.p.A.	17/08/2022	4405256	22761290.0	
4405583	Dervenis, Grigorios	28/06/2023	4405583	23742401.5	
	Dervenis, Konstantinos				
4405937	Google LLC	18/08/2022	4405937	22768584.9	
4405983	Bundesrepublik Deutschland, vertr. durch das Bundesministerium f. Wirtschaft und Technologie	09/09/2022	4405983	22789864.0	German
4406660	Techniplast	24/01/2024	4406660	24153640.8	French
4406690	Contemporary Ampere Technology (Hong Kong) Limited	29/03/2023	4406690	23730695.6	
4406719	ACH Solution GmbH	23/01/2024	4406719	24153419.7	German
4406759	BRIDGESTONE CORPORATION	17/06/2022	4406759	22872480.3	
4406790	MAN Truck & Bus SE	25/10/2019	4406790	24181640.4	German
4407030	Becton, Dickinson and Company	01/06/2021	4407030	24166038.0	
4407209	Kalpin, Christian	22/01/2024	4407209	24153111.0	German
4408260	The Trustees of Columbia University in the City of New York	29/09/2022	4408260	22802410.5	
	The Trustees Of The Stevens Institute Of Technology				
	Vanderbilt University				
	The Board of Trustees of the Leland Stanford Junior University				
4408332	Cilag GmbH International	26/09/2022	4408332	22787000.3	
4408489	Europe Metal Concept (EMC)	22/09/2022	4408489	22792843.9	French
4408547	Muoverti Limited	01/09/2022	4408547	22792862.9	
4408731	PASCAL TECHNOLOGIES AS	17/10/2022	4408731	22809541.0	

4408734	Soletanche Freyssinet	28/09/2022	4408734	22789237.9	French
4409107	Aquirian Technology Pty Ltd	29/09/2022	4409107	22873993.4	
4409176	Flowserve Pte. Ltd.	13/09/2022	4409176	22873429.9	
4410697	Stora Enso Oyj	06/02/2023	4410697	23461510.2	
4410992	4basebio UK Ltd	01/02/2023	4410992	23382083.6	
4411411	Raytheon Company	06/02/2024	4411411	24156122.4	
4411541	Airbus S.A.S.	01/02/2023	4411541	23154382.8	German
4411796	Beijing NAURA Microelectronics Equipment Co., Ltd.	26/09/2022	4411796	22874823.2	
4412541	Covidien LP	07/10/2022	4412541	22793846.1	
4412774	Ames Tools Corporation	07/10/2022	4412774	22879526.6	
4412905	Ampack GmbH	05/10/2022	4412905	22799930.7	
4412938	KONE Corporation	06/10/2021	4412938	21790802.9	
4413106	DDP Specialty Electronic Materials US, LLC	26/08/2022	4413106	22772733.6	German
4413874	KT & G Corporation	17/11/2022	4413874	22879672.8	
4413876	Philip Morris Products, S.A.	27/02/2015	4413876	24170957.5	
4414012	Fisher & Paykel Healthcare Limited	28/09/2017	4414012	24182618.9	
4414055	King's Flair Development Ltd.	07/03/2019	4414055	24164251.1	
4414138	Einhell Germany AG	09/02/2023	4414138	23155703.4	
4414310	Otis Elevator Company	02/02/2024	4414310	24155567.1	German
4414419	Nova Chemicals (International) S.A.	14/04/2022	4414419	24183272.4	
4414503	DELTABLOC International GmbH	02/02/2024	4414503	24155542.4	
4414612	Panasonic Intellectual Property Management Co., Ltd.	28/09/2022	4414612	22878400.5	
4414726	Contemporary Amperex Technology (Hong Kong) Limited	30/03/2023	4414726	23736223.1	
4415058	Zhejiang Jinko Solar Co., Ltd.	28/03/2023	4415058	23164626.6	
4415209	LG Energy Solution, Ltd.	29/06/2023	4415209	23872717.6	German
4415284	NEC Corporation	02/02/2024	4415284	24155613.3	
4415650	DePuy Synthes Products, Inc.	13/09/2022	4415650	22783009.8	
4415912	DANIELI & C. OFFICINE MECCANICHE S.P.A.	10/10/2022	4415912	22800761.3	
4416064	Krones Aktiengesellschaft	08/09/2022	4416064	22783285.4	
4416106	BASF SE	05/10/2022	4416106	22801727.3	
4416366	GBM WORKS IP B.V.	12/10/2022	4416366	22790329.1	French
4416526	Snaketronics Oy	15/10/2021	4416526	21806304.8	
4417994	Anhui NIO Autonomous Driving Technology Co., Ltd.	20/12/2023	4417994	23218576.9	
4418242	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	30/06/2022	4418242	22948557.8	
4418505	ABB SCHWEIZ AG	15/02/2023	4418505	23156701.7	
4419477	Commissariat à l'Energie Atomique et aux Energies Alternatives	21/10/2022	4419477	22809037.9	
4420219	Západočeská univerzita v Plzni	12/01/2023	4420219	23703124.0	French
4420699	Eli Lilly and Company	20/02/2019	4420699	24188048.3	
4420869	Contemporary Amperex Technology (Hong Kong) Limited	21/10/2022	4420869	22894570.5	
4420947	Astemo, Ltd.	10/08/2022	4420947	22883191.3	
4421119	Apollo Tyres Global R&D B.V.	20/02/2024	4421119	24158663.5	
4421145	Ville de la Chaux-de-Fonds	23/02/2023	4421145	23158362.6	
4421155	Ahn, Sang Kueon	13/10/2022	4421155	22883873.6	German
4421328	Sumitomo Riko Company Limited	27/12/2022	4421328	22948186.6	
4422127	British Telecommunications public limited company	21/02/2023	4422127	23157824.6	
4422340	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	30/05/2019	4422340	24187934.5	
4424214	13872548 Canada Inc.	15/09/2023	4424214	23197645.7	
4424556	Kärcher Futuretech GmbH	01/03/2024	4424556	24160797.7	
4424983	RTX Corporation	28/02/2024	4424983	24160348.9	German
4425119	Mettler-Toledo GmbH	01/03/2024	4425119	24160919.7	

4425211	THALES	14/02/2024	4425211	24157519.0	French
4425272	LVMH Swiss Manufactures SA	27/02/2024	4425272	24159935.6	French
4425275	LVMH Swiss Manufactures SA	27/02/2024	4425275	24159931.5	French
4425895	Motorola Mobility LLC	20/03/2017	4425895	24189566.3	
4426067	GE Energy Power Conversion Technology Ltd	02/03/2023	4426067	23305271.1	
4426198	Fondazione Istituto Italiano di Tecnologia	02/11/2022	4426198	22813711.3	
4426458	Innovative Technology GbR	02/11/2022	4426458	22813906.9	German
4426611	Flyability SA	07/11/2022	4426611	22802730.6	
4426911	Hunter Douglas Industries B.V.	28/10/2022	4426911	22812562.1	
4427000	Mobileye Vision Technologies Ltd.	20/10/2023	4427000	23809052.6	
4427689	Nuvasive, Inc.	05/03/2024	4427689	24161391.8	
4427847	Contemporary Amperex Technology (Hong Kong) Limited	27/03/2023	4427847	23733832.2	
4428519	Buck, Christian	09/03/2023	4428519	23020113.9	German
4428624	The Swatch Group Research and Development Ltd	06/03/2023	4428624	23160132.9	French
4429336	Juniper Networks, Inc.	06/06/2017	4429336	24168137.8	
4429380	QUALCOMM Incorporated	15/11/2018	4429380	24189125.8	
4429421	LG Energy Solution, Ltd.	24/07/2023	4429421	23846942.3	
4429555	Positrigo AG	01/11/2022	4429555	22813200.7	
4430357	WANDZIK, Thomas	30/08/2022	4430357	22772412.7	German
4430896	Lenovo (Singapore) Pte. Ltd.	08/02/2023	4430896	23706446.4	
4430905	Cisco Technology, Inc.	03/11/2022	4430905	22818579.9	
4430908	QUALCOMM INCORPORATED	27/09/2022	4430908	22790180.8	
4431140	ResMed Pty Ltd	23/09/2016	4431140	24168050.3	
4431223	Contemporary Amperex Technology (Hong Kong) Limited	29/03/2023	4431223	23754094.3	
4431313	Sumitomo Rubber Industries, Ltd.	01/03/2024	4431313	24160735.7	
4431628	SUMITOMO ELECTRIC INDUSTRIES, LTD.	20/01/2022	4431628	22921884.7	
4431709	Cummins Inc.	31/05/2022	4431709	24192438.0	
4432019	The Swatch Group Research and Development Ltd	17/03/2023	4432019	23162547.6	French
4432229	GenGenAI Inc.	04/03/2024	4432229	24161071.6	
4434236	ADAM Audio GmbH	14/11/2022	4434236	22818621.9	German
4434756	Seiko Instruments Inc.	21/03/2024	4434756	24165114.0	
4434767	Continental Reifen Deutschland GmbH	21/02/2024	4434767	24158813.6	German
4434768	Continental Reifen Deutschland GmbH	21/02/2024	4434768	24158814.4	German
4434769	Continental Reifen Deutschland GmbH	21/02/2024	4434769	24158817.7	German
4435162	Kabushiki Kaisha Toyota Jidoshokki	18/03/2024	4435162	24164103.4	
4435522	FUJIFILM Business Innovation Corp.	19/02/2024	4435522	24158337.6	
4435557	Samsung Electronics Co., Ltd.	20/12/2022	4435557	22911872.4	
4435858	Murata Manufacturing Co., Ltd.	23/03/2023	4435858	23305396.6	
4438250	Zimmer, Günther	25/03/2024	4438250	24000037.2	German
	Zimmer, Martin				
4438413	Work System Sweden AB	18/03/2024	4438413	24164053.1	
4438847	VKR Holding A/S	29/03/2023	4438847	23164923.7	
4438967	Guangdong Carrier Heating, Ventilation And Air Conditioning Co., Ltd.	27/03/2024	4438967	24167090.0	
4439119	Infineon Technologies AG	30/03/2023	4439119	23165538.2	
4441480	Advantec International Limited	03/02/2023	4441480	23704078.7	
4441608	QUALCOMM INCORPORATED	09/11/2022	4441608	22823260.9	
4441786	Siemens Aktiengesellschaft	30/01/2023	4441786	23704263.5	German
4441937	QUALCOMM INCORPORATED	07/11/2022	4441937	22823203.9	
4442138	JT International SA	05/04/2023	4442138	23166715.5	
4442340	Lackner, Johannes	29/06/2020	4442340	24192988.4	
	Libiseller, Hannes				
4442391	NIKKEN KOSAKUSHO WORKS, LTD.	04/03/2024	4442391	24161233.2	
4442448	G.D S.p.A.	02/04/2024	4442448	24167993.5	
4442547	J.D Components Co., Ltd.	19/03/2024	4442547	24164338.6	
4443055	Vaillant GmbH	28/03/2024	4443055	24167138.7	German

4444702	ARKEMA FRANCE	05/12/2022	4444702	22835463.5	French
4445638	ZTE Corporation	11/05/2022	4445638	22941090.7	
4445717	CNH Industrial America LLC	28/03/2024	4445717	24167760.8	
4445939	INOSYSTEMS	01/03/2023	4445939	24192676.5	French
4446140	RAPA Automotive GmbH & Co. KG	26/03/2024	4446140	24166191.7	German
4446359	Zhejiang Huangma Technology Co., Ltd. Zhejiang Lukean Chemical Co., Ltd. Zhejiang Huangma Chemical New Polymer Material Co., Ltd Zhejiang Huangma Shangyi New Material Co., Ltd.	03/04/2024	4446359	24168229.3	
4446845	Nexans	11/04/2023	4446845	23305538.3	
4446947	GDM Holding LLC	09/05/2019	4446947	24196237.2	
4447326	SANECHIPS TECHNOLOGY CO., LTD.	28/02/2022	4447326	22909039.4	
4447381	Winbond Electronics Corp.	11/03/2024	4447381	24162546.6	
4447417	Oracle International Corporation	10/04/2024	4447417	24169464.5	
4447644	Samsung Electronics Co., Ltd. POSTECH Research and Business Development Foundation	29/03/2024	4447644	24167934.9	
4447863	Edwards Lifesciences Corporation	04/10/2022	4447863	22797194.2	
4447887	Oasis Transformation Trading Company Limited	10/01/2023	4447887	23700675.4	
4448988	ZF Friedrichshafen AG	02/12/2022	4448988	22823558.6	German
4449166	VIASAT INC.	05/01/2022	4449166	22701464.4	
4449173	Commissariat à l'Energie Atomique et aux Energies Alternatives	09/12/2022	4449173	22835343.9	French
4450306	Advanced Suspension Technology LLC	15/04/2024	4450306	24170164.8	
4450748	Griesser Holding AG	18/04/2023	4450748	23168402.8	German
4450890	DAIKIN INDUSTRIES, LTD.	04/10/2022	4450890	22906972.9	
4452546	G.D S.p.A.	22/12/2022	4452546	22846945.8	
4452547	G.D S.p.A.	22/12/2022	4452547	22846946.6	
4452620	Matthews International GmbH Matthews International Corporation	12/12/2022	4452620	22844435.2	German
4452732	Rahmann, Nils	20/12/2022	4452732	22843151.6	German
4452790	NGI A/S	23/12/2021	4452790	21852065.8	
4453041	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	19/12/2022	4453041	22840090.9	French
4453042	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	19/12/2022	4453042	22840093.3	French
4453469	OMB Saleri S.p.A. - Societa' Benefit	03/11/2022	4453469	22808877.9	
4454059	HYBA Ltd.	04/10/2023	4454059	23798839.9	
4454249	Continental Automotive Systems, Inc.	21/12/2022	4454249	22850894.1	
4454410	JT International SA	21/12/2022	4454410	22836291.9	
4454414	BSH Hausgeräte GmbH	19/12/2022	4454414	22836255.4	German
4454689	SEFAM	26/03/2024	4454689	24166452.3	French
4454819	Jiangsu Dongcheng Tools Technology Co., Ltd	09/05/2023	4454819	23866699.4	
4454997	Airbus Defence and Space GmbH	16/02/2024	4454997	24158098.4	
4455435	TOPP S.r.l. a socio unico	29/03/2024	4455435	24167834.1	
4455640	Tsinghua University	04/07/2023	4455640	23853723.7	
4455720	SICK AG	06/03/2024	4455720	24161722.4	German
4456160	Kabushiki Kaisha Toshiba	14/01/2021	4456160	24200473.7	
4457070	Bockatech Ltd	12/01/2023	4457070	23700938.6	
4457095	Koenig & Bauer AG	25/05/2023	4457095	23729066.3	German
4457096	Koenig & Bauer AG	25/05/2023	4457096	23729065.5	German
4457097	Koenig & Bauer AG	25/05/2023	4457097	23729696.7	German
4457484	LMI Technologies Inc.	09/03/2023	4457484	23714075.1	
4457822	ILLUMINA, INC.	23/12/2022	4457822	22857067.7	
4458702	Volpak, S.A.U.	02/05/2024	4458702	24173964.8	
4459142	Honor Device Co., Ltd.	17/04/2023	4459142	23838478.8	
4459183	Vaillant GmbH	02/05/2024	4459183	24173873.1	German
4460238	Asterion AI Inc.	04/01/2023	4460238	23702721.4	

4460250	DePuy Ireland Unlimited Company	09/01/2023	4460250	23712807.9	
4460403	Koenig & Bauer AG	06/06/2023	4460403	23731197.2	German
4460469	APTAR France SAS	04/01/2023	4460469	23703260.2	French
4461171	Wundermix GmbH	08/05/2024	4461171	24174886.2	German
4461394	Comin International Inc	21/02/2024	4461394	24158869.8	
4461461	SCM Group S.p.A.	10/05/2024	4461461	24175167.6	
4461979	Honor Device Co., Ltd.	08/09/2023	4461979	23867311.5	
4462192	Breitling SA	07/05/2024	4462192	24174486.1	French
4462361	Changzhou Xingyu Automotive Lighting Systems Co., Ltd.	20/07/2023	4462361	23866666.3	
4463006	Société des Produits Nestlé S.A.	10/01/2023	4463006	23700674.7	
4463096	Carl Zeiss Meditec AG	29/12/2022	4463096	22844540.9	German
4463295	Dürr Systems AG	10/01/2023	4463295	23700651.5	German
4463405	GEA Food Solutions Germany GmbH	28/12/2022	4463405	22844218.2	German
4464418	SCIENCE CO.,LTD.	26/05/2022	4464418	22920359.1	
4464492	JSP Corporation	10/03/2023	4464492	23770668.4	
4464912	STABILUS GmbH	17/04/2024	4464912	24170793.4	German
4465126	Corning Incorporated	22/10/2019	4465126	24189439.3	
4465329	Xiamen Hongfa Electric Power Controls Co., Ltd.	16/05/2024	4465329	24176368.9	
4465535	NXP B.V.	16/05/2023	4465535	23305778.5	
4465932	Semmelweis Egyetem Budapesti Műszaki és Gazdaságtudományi Egyetem	09/01/2023	4465932	23712318.7	
4466172	Siemens Mobility GmbH	31/03/2023	4466172	23718724.0	German
4466179	Candela Technology AB	16/01/2023	4466179	23701005.3	
4466186	Signode Industrial Group LLC	16/02/2023	4466186	23711362.6	
4466741	BASF SE	06/01/2023	4466741	23700595.4	
4466747	VARTA Microbattery GmbH	20/01/2023	4466747	23701478.2	German
4466774	Dell Products L.P.	13/01/2023	4466774	23704586.9	
4467110	PRO LIMB International Corp.	18/04/2024	4467110	24171102.7	
4467116	Chaffrignon, Bernard-Marie	18/03/2021	4467116	24204444.4	
4468684	SCHNEIDER ELECTRIC INDUSTRIES SAS	23/05/2023	4468684	23305813.0	
4469680	ENABL A/S	25/01/2023	4469680	23703692.6	
4470339	Pilkington Group Limited	26/01/2023	4470339	23703303.0	
4471002	Shin-Etsu Chemical Co., Ltd.	28/05/2024	4471002	24178395.0	
4471493	Pixieray Oy	16/05/2024	4471493	24176300.2	
4471608	Beijing Volcano Engine Technology Co., Ltd.	31/05/2024	4471608	24179310.8	
4471710	Bayer Aktiengesellschaft	30/05/2023	4471710	23176138.8	German
4472039	LG Magna e-Powertrain Co., Ltd.	28/01/2022	4472039	22924260.7	
4472372	SAGEMCOM BROADBAND SAS	28/05/2024	4472372	24178563.3	French
4472521	Richard Wolf GmbH	27/01/2023	4472521	23703690.0	German
4473199	SAFRAN AIRCRAFT ENGINES	06/02/2023	4473199	23706824.2	French
4473276	Sonion Nederland B.V.	30/01/2023	4473276	23702126.6	
4473372	CNH Industrial Italia S.p.A.	27/01/2023	4473372	23701999.7	
4473468	Fidelity Information Services, LLC	07/02/2023	4473468	23709892.6	
4473553	SOITEC Commissariat à l'Energie Atomique et aux Energies Alternatives	19/12/2022	4473553	22836231.5	French
4474093	S.S.P. Inc.	13/03/2024	4474093	24163321.3	
4474446	Essilor International	09/06/2023	4474446	23305920.3	
4474545	ITEMA S.p.A.	20/05/2024	4474545	24176867.0	
4474604	New-Tec Integration (Xiamen) Co., Ltd.	02/04/2019	4474604	24208126.3	
4474953	Apple Inc.	04/06/2024	4474953	24179744.8	
4475221	Samsung SDI Co., Ltd.	05/03/2024	4475221	24161555.8	
4475721	air up group GmbH	09/02/2023	4475721	23704899.6	
4475802	Thuasne Deutschland GmbH	31/01/2023	4475802	23705335.0	German
4476640	Select Software And Business Solutions A.e.b.e	02/05/2023	4476640	23724379.5	
4477687	Johannes Gutenberg-Universität Mainz	14/06/2023	4477687	23179196.3	

4477768	Jingjiang Special Steel Co., Ltd	19/07/2023	4477768	23186257.4	
4478176	Altera Corporation	14/12/2023	4478176	23216730.4	
4478481	Contemporary Ampere Technology (Hong Kong) Limited	11/10/2022	4478481	22961662.8	
4478544	Japan Aviation Electronics Industry, Limited	23/05/2024	4478544	24177644.2	
4478885	Ecole Polytechnique Centre National de la Recherche Scientifique Sorbonne Université École Nationale Supérieure de Techniques Avancées	15/02/2023	4478885	23706294.8	French
4479007	Johnson & Johnson Surgical Vision, Inc.	27/01/2023	4479007	23703346.9	
4479049	Minerva Neurosciences, Inc.	13/02/2023	4479049	23710619.0	
4480001	SOITEC Commissariat à l'Energie Atomique et aux Energies Alternatives	19/12/2022	4480001	22836236.4	French
4480309	Li, Wenjie	17/01/2024	4480309	24152419.8	
4480715	Sumitomo Rubber Industries, Ltd.	26/04/2024	4480715	24172609.0	
4480799	Yamaha Hatsudoki Kabushiki Kaisha	05/02/2024	4480799	24200635.1	
4480813	PRATT & WHITNEY CANADA CORP.	24/06/2024	4480813	24184005.7	
4481146	MAPAL Dr. Kress SE & Co. KG	20/06/2024	4481146	24183488.6	German
4481354	Pfeiffer Vacuum Technology AG	30/09/2024	4481354	24203662.2	German
4481524	Suzhou Cleva Precision Machinery & Technology Co., Ltd.	17/06/2024	4481524	24182568.6	
4482085	IDEMIA France	21/06/2023	4482085	23305986.4	
4482545	MIMIX BIOTHERAPEUTICS SA	16/02/2023	4482545	23706870.5	
4482637	Kurtz GmbH & Co. KG	21/02/2023	4482637	23706742.6	German
4483078	Schaeffler Technologies AG & Co. KG	21/02/2023	4483078	23708686.3	German
4483931	INOSYSTEMS	30/05/2024	4483931	24179098.9	French
4484303	Hitachi, Ltd.	08/03/2024	4484303	24162493.1	
4484749	Sandvik Mining and Construction Oy	30/06/2023	4484749	23182691.8	
4485632	Hithium Tech HK Limited	04/04/2024	4485632	24168503.1	
4486498	Signify Holding B.V.	21/02/2023	4486498	23705581.9	
4486854	Chevron Oronite Company LLC	21/02/2023	4486854	23712592.7	
4486936	Fondazione Istituto Italiano di Tecnologia	27/02/2023	4486936	23709482.6	
4487733	CIAR S.p.A.	28/05/2024	4487733	24178544.3	
4487778	Stichting IMEC Nederland	03/07/2023	4487778	23182999.5	
4488058	Euro Advanced Carbon Fiber Composites GmbH	07/07/2023	4488058	23184181.8	
4488562	B/E Aerospace, Inc.	26/06/2024	4488562	24184788.8	
4489616	Paul Hettich GmbH & Co. KG	01/03/2023	4489616	23709353.9	German
4489708	The Procter & Gamble Company	06/03/2023	4489708	23713028.1	
4489891	MANN+HUMMEL GmbH	16/02/2023	4489891	23705998.5	German
4489961	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	08/03/2023	4489961	23710299.1	German
4489971	Koninklijke Philips N.V.	27/02/2023	4489971	23707717.7	
4490369	Scaff Load S.A.	07/03/2022	4490369	22725309.3	
4490834	SEW-EURODRIVE GmbH & Co. KG	21/02/2023	4490834	23706599.0	German
4491570	LANXESS Deutschland GmbH	11/07/2023	4491570	23184583.5	German
4492970	Big Dutchman International GmbH	10/03/2023	4492970	23710343.7	German
4493396	Terumo Kabushiki Kaisha Terumo BCT, Inc.	29/09/2022	4493396	22790080.0	
4493760	Congruens Group, LLC	16/03/2023	4493760	23716155.9	
4494122	Siemens Schweiz AG	20/02/2023	4494122	23707036.2	German
4494221	Boston Scientific Scimed Inc.	16/03/2023	4494221	23716989.1	
4494223	Ricoh Company, Ltd.	14/03/2023	4494223	23720358.3	
4494444	Carl Geringhoff GmbH & Co. Kommanditgesellschaft	28/05/2024	4494444	24178522.9	German
4495319	Thonet GmbH	16/05/2024	4495319	24176367.1	German
4495504	Viessmann Holding International GmbH	26/01/2024	4495504	24154257.0	German
4496437	NHK Spring Co., Ltd.	17/02/2023	4496437	23770273.3	

4496747	G.D SOCIETA' PER AZIONI	13/03/2023	4496747	23713164.4	
4496764	INVENTIO AG	15/02/2023	4496764	23704216.3	German
4497013	Ecole Royale Militaire - Koninklijke Militaire School	01/06/2023	4497013	23731576.7	
4497270	Siemens Aktiengesellschaft	22/04/2022	4497270	22723515.7	
4498025	Ecoclean GmbH	22/07/2024	4498025	24190139.6	German
4498839	Rousselot BV	02/06/2023	4498839	23730777.2	
4499035	Lucas Meyer Cosmetics	23/03/2023	4499035	23716677.2	French
4499294	HTE GmbH The High Throughput Experimentation Company	24/03/2023	4499294	23714692.3	German
4499318	GEA Westfalia Separator Group GmbH	02/02/2023	4499318	23703211.5	German
4499390	Bäumer, Thomas	09/03/2023	4499390	23710717.2	German
4499502	Tusas- Turk Havacilik Ve Uzay Sanayii Anonim Sirketi	28/03/2023	4499502	23727706.6	
4499783	Topsoe A/S	24/03/2023	4499783	23715084.2	
4500566	Maschinenfabrik Reinhausen GmbH	20/06/2023	4500566	23735969.0	German
4501162	PUMA SE	30/07/2024	4501162	24191712.9	
4501233	Spika Tech, S.L.	31/07/2023	4501233	23382800.3	
4501420	Karsten Manufacturing Corporation	14/09/2020	4501420	24220802.3	
4501462	Musashi Engineering, Inc.	27/03/2023	4501462	23780294.7	
4501527	Panasonic Intellectual Property Management Co., Ltd.	11/07/2024	4501527	24188065.7	
4501539	Carl Zeiss Vision International GmbH	03/08/2023	4501539	23189457.7	
4502480	Carrier Corporation	17/07/2024	4502480	24189252.0	
4503344	Rosenberger Hochfrequenztechnik GmbH & Co. KG	21/04/2021	4503344	24220897.3	German
4504146	EMPLICURE AB (publ)	03/04/2023	4504146	23718622.6	
4504419	GEA Westfalia Separator Group GmbH	16/03/2023	4504419	23712837.6	German
4504468	Tajfun Planina Proizvodnja Strojev, D.o.o.	15/02/2023	4504468	23713767.4	
4505330	THALES DIS FRANCE SAS	09/03/2023	4505330	23709427.1	
4505581	NOVARES France	29/03/2023	4505581	23719814.8	French
4506220	NISSAN MOTOR CO., LTD.	06/04/2022	4506220	22936063.1	
4506536	Pfeiffer Vacuum Technology AG	08/08/2023	4506536	24197612.5	German
4507771	Guerbet	07/04/2023	4507771	23714771.5	French
4508391	Mercedes-Benz Group AG	01/03/2024	4508391	24709337.0	German
4508406	ZF Friedrichshafen AG	04/04/2023	4508406	23718631.7	German
4509390	JTEKT CORPORATION	18/06/2024	4509390	24182856.5	
4511139	Plaas-Link, Andreas	03/03/2023	4511139	23709195.4	German
4511254	Magna Seating Inc.	06/07/2023	4511254	23748881.2	
4511309	INVENTIO AG	19/04/2023	4511309	23720282.5	German
4511897	AVL List GmbH	20/07/2023	4511897	23758218.4	German
4513516	Gantri, Inc.	19/06/2024	4513516	24183080.1	
4513624	Delta Electronics, Inc.	23/08/2024	4513624	24196072.3	
4513824	Tata Consultancy Services Limited	29/07/2024	4513824	24191333.4	
4514229	Koninklijke Philips N.V.	20/04/2023	4514229	23721607.2	
4514806	Skyhawk Therapeutics, Inc.	27/04/2023	4514806	23725911.4	
4514807	Skyhawk Therapeutics, Inc.	27/04/2023	4514807	23725912.2	
4514808	Skyhawk Therapeutics, Inc.	27/04/2023	4514808	23728152.2	
4514934	The Procter & Gamble Company	06/04/2023	4514934	23720520.8	
4515120	Igus GmbH	24/04/2023	4515120	23721714.6	German
4515133	NORMA Germany GmbH	14/03/2023	4515133	23711994.6	German
4516701	G. Kraft Maschinenbau GmbH	22/08/2024	4516701	24195848.7	German
4517229	QINGDAO HAIER REFRIGERATOR CO., LTD.	04/08/2021	4517229	25151389.1	
	HAIER SMART HOME CO., LTD.				
4517896	SAMSUNG SDI CO., LTD.	28/08/2024	4517896	24197042.5	
4518374	GM Cruise Holdings LLC	31/08/2023	4518374	23194555.1	
4518594	OVH	31/08/2023	4518594	23306456.7	
4518663	Melchior Material and Life Science France	03/05/2023	4518663	23724762.2	French
4518769	Boston Scientific Scimed, Inc.	05/05/2023	4518769	23728912.9	
4518841	Evonik Operations GmbH	05/05/2023	4518841	23725611.0	
4519842	Motorola Solutions, Inc.	06/04/2023	4519842	23724462.9	

4519996	Nokia Technologies Oy	06/05/2022	4519996	22728153.2	
4520585	4NRJ	06/08/2024	4520585	24193192.2	French
4520608	TOYOTA JIDOSHA KABUSHIKI KAISHA	25/07/2024	4520608	24190892.0	
4520714	AS Strömungstechnik GmbH	03/09/2024	4520714	24198065.5	German
4521895	LG Display Co., Ltd.	31/07/2024	4521895	24192049.5	
4523587	Miele & Cie. KG	14/08/2024	4523587	24194498.2	German
4523657	Edwards Lifesciences Corporation	05/10/2011	4523657	24207982.0	
4524084	Jungheinrich AG	06/09/2024	4524084	24198954.0	German
4524094	Benetti Hub S.r.l.	09/07/2024	4524094	24187444.5	
4524344	SWISS KRONO Tec AG	15/09/2023	4524344	23197709.1	German
4525573	BorgWarner US Technologies LLC	29/07/2024	4525573	24191347.4	
4526144	Bayerische Motoren Werke Aktiengesellschaft	25/04/2023	4526144	23722312.8	German
4526904	Commonwealth Fusion Systems LLC	14/05/2024	4526904	24734227.2	
4527308	Samsung Medison Co., Ltd.	19/02/2024	4527308	24158263.4	
4527690	Jean Chereau SAS	21/08/2024	4527690	24195538.4	French
4528033	Joseph Vögele AG	21/09/2023	4528033	23198702.5	German
4528067	Storbeck Isolierungen e.K.	17/09/2024	4528067	24200747.4	German
4528070	Weatherford Technology Holdings, LLC	22/04/2021	4528070	25156137.9	
4530872	Analog Devices International Unlimited Company	25/09/2024	4530872	24202688.8	
4532180	Safran Aerosystems Centre National de la Recherche Scientifique (CNRS) Université du Mans	01/06/2023	4532180	23731331.7	French
4532659	Unilever Global IP Limited	10/05/2023	4532659	23726921.2	
4533302	Microsoft Technology Licensing, LLC	27/04/2023	4533302	23726697.8	
4534635	Itelyum Regeneration S.p.A.	02/10/2023	4534635	23425054.6	
4535277	Axis AB	03/10/2023	4535277	23201383.9	
4535318	Brightstar Global Solutions Corporation	25/09/2024	4535318	24202530.2	
4537353	Koninklijke Philips N.V.	31/05/2023	4537353	23729749.4	
4538068	Benteler Automobiltechnik GmbH	10/10/2023	4538068	23202766.4	German
4539317	Lian Zheng Electronics (Shenzhen) Co., Ltd.	07/10/2024	4539317	24204940.1	
4540123	VOLKSWAGEN AKTIENGESELLSCHAFT	09/06/2023	4540123	23732083.3	German
4540163	INVENTIO AG	02/06/2023	4540163	23730479.5	German
4541567	Roland Mandler GmbH & Co. KG	17/10/2023	4541567	23204114.5	German
4541682	Dellner Couplers AB	20/10/2023	4541682	23204905.6	
4542277	Samsung Electro-Mechanics Co., Ltd.	16/07/2024	4542277	24188850.2	
4542294	LG Electronics Inc.	07/03/2024	4542294	24161909.7	
4543683	OVD Kinegram AG	13/06/2023	4543683	23732903.2	German
4544603	K. Eklund Innovation	15/06/2023	4544603	23738587.7	
4547590	INVENTIO AG	06/06/2023	4547590	23731195.6	German
4547597	TAJFUN PLAN I NA proizvodnja strojev, d.o.o.	06/06/2023	4547597	23742483.3	
4553915	Contemporary Amperex Technology (Hong Kong) Limited	04/02/2021	4553915	25165602.1	
4555152	RSP GmbH & Co. KG	21/08/2023	4555152	23764574.2	German
4556148	MICROTEC S.p.A.	28/08/2024	4556148	24197023.5	
4556863	ifm electronic gmbh	08/11/2024	4556863	24211817.2	German
4557274	Sumitomo Riko Company Limited	26/09/2023	4557274	23918045.8	
4557526	Radiall	14/11/2024	4557526	24212921.1	French
4557528	Radiall	14/11/2024	4557528	24212925.2	French
4558056	Cilag GmbH International	20/05/2024	4558056	24731074.1	
4558202	Merxin Ltd	24/07/2023	4558202	23754833.4	
4558732	Euler-Rolle, Thomas	21/07/2023	4558732	23750527.6	German
4565161	Arthrex, Inc.	25/07/2023	4565161	23755230.2	
4565486	Leonardo S.p.A.	30/06/2023	4565486	23739686.6	
4565918	CooperVision International Limited	16/10/2023	4565918	23797858.0	
4567054	Novocure GmbH	29/06/2021	4567054	25171129.7	

4567566	Motherson Innovations Company Ltd.	04/12/2024	4567566	24217595.8	
4569403	Gebrüder Frei GmbH & Co. KG	08/10/2024	4569403	24787427.4	German
4572646	Versuni Holding B.V.	11/08/2023	4572646	23754803.7	
4578311	China Tobacco Yunnan Industrial Co., Ltd	29/10/2024	4578311	24850309.6	
4578346	Kalerm Technology (Suzhou) Co., Ltd	30/10/2024	4578346	24209978.6	
4581908	Signify Holding B.V.	18/08/2023	4581908	23755424.1	
4588083	PHOENIX CONTACT GMBH & CO. KG	04/09/2023	4588083	23761956.4	German
4588497	Guangzhou Landswick Medical Technologies Ltd.	05/06/2024	4588497	24754211.1	
4590203	Koninklijke Philips N.V.	07/09/2023	4590203	23776261.2	
4593711	Koninklijke Philips N.V.	20/09/2023	4593711	23772879.5	
4606681	Benteler Automobiltechnik GmbH	22/02/2024	4606681	24159146.0	German
4615704	AVL List GmbH	24/05/2024	4615704	24733069.9	German

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2266068	VANRX Pharmsystems Inc.	04/03/2009	2266068	09718320.6	
2654100	Panasonic Intellectual Property Management Co., Ltd.	30/06/2011	2654100	11831783.3	
2741656	Essilor International	09/08/2011	2741656	11757906.0	French
2773222	Fonterra Co-Operative Group Ltd	02/11/2012	2773222	12846628.1	
2804905	Daikin Industries, Ltd.	22/02/2013	2804905	13751700.9	
2925163	DSM IP Assets B.V.	27/11/2013	2925163	13795534.0	
2991542	MUSC Foundation For Research Development	01/05/2014	2991542	14792338.7	
2991723	Nevro Corporation	02/05/2014	2991723	14791140.8	
3019979	Oracle International Corporation	02/07/2014	3019979	14745012.6	
3036651	AB Initio Technology LLC	21/08/2014	3036651	14837982.9	
3055006	Aptar Stelmi SAS	07/10/2014	3055006	14799188.9	French
3063031	Toyota Motor Engineering & Manufacturing North America, Inc.	24/10/2014	3063031	14857356.1	
3066735	Wobben Properties GmbH	26/09/2014	3066735	14776867.5	German
3074223	Saint-Gobain Sekurit France	25/11/2014	3074223	14821742.5	French
3147358	Curedisc Corporation	20/05/2015	3147358	15795955.2	
3149027	Institut national de recherche pour l'agriculture, l'alimentation et l'environnement	27/03/2015	3149027	15720445.4	French
3152345	MacDermid Acumen, Inc.	26/05/2015	3152345	15803204.5	
3155452	Trimble Inc.	11/06/2015	3155452	15745001.6	
3191130	Klein, Claudia Bettina Baumgartner, Hubertus	10/09/2015	3191130	15770793.6	German
3193711	Teleflex Life Sciences LLC	16/09/2015	3193711	15784766.6	
3203527	Commissariat à l'Energie Atomique et aux Energies Alternatives	02/02/2017	3203527	17154327.5	French
3239767	Hoya Lens Thailand Ltd.	28/12/2015	3239767	15873379.0	
3242703	Fisher & Paykel Healthcare Limited	18/02/2016	3242703	16752716.7	
3243101	LEIA Inc.	10/01/2015	3243101	15877264.0	
3251133	FastCAP Ultracapacitors LLC	27/01/2016	3251133	16812065.7	
3263604	Josho Gakuen Educational Foundation Adeka Corporation	23/02/2016	3263604	16755451.8	
3264346	TNT Holdings B.V.	29/06/2017	3264346	17178786.4	
3265112	Technion Research & Development Foundation Limited	05/01/2016	3265112	16739877.5	
3266314	Cj Cheiljedang Corporation	25/01/2016	3266314	16759072.8	
3271064	GE Healthcare Limited	16/03/2016	3271064	16710185.6	
3274041	The Board of Regents of the University of Texas System	03/02/2017	3274041	17748276.7	
3278876	Hanwha Chemical Corporation	31/03/2016	3278876	16773472.2	
3278879	LAIN TECHNOLOGIES LTD	03/08/2016	3278879	16382382.6	
3285649	Bayer Healthcare LLC	22/04/2016	3285649	16783933.1	
3289607	KLA - Tencor Corporation	27/04/2016	3289607	16787087.2	
3293266	University Health Network	05/05/2008	3293266	17184090.3	

3293771	BOE Technology Group Co., Ltd.	15/09/2015	3293771	15891197.4	
3294058	Croda, Inc.	09/05/2016	3294058	16723622.3	
3298319	Wagner, Steven D.	20/05/2016	3298319	16800549.4	
	Brown, Garrett W.				
3307607	Fergusson's Advanced Composite Technology Limited	10/06/2016	3307607	16738493.2	
3327740	Ridder Beheer B.V.	22/01/2018	3327740	18152852.2	
3335628	Omron Healthcare Co., Ltd.	31/08/2016	3335628	16846255.4	
3337775	Nova Chemicals (International) S.A.	04/08/2016	3337775	16757966.3	
3338995	Biosense Webster (Israel) Ltd.	21/12/2017	3338995	17209701.6	
3344183	Edwards Lifesciences Corporation	31/08/2016	3344183	16842920.7	
3352755	Drexel University	19/09/2016	3352755	16849389.8	
3355926	Vertex Pharmaceuticals Inc.	30/09/2016	3355926	16852781.0	
3357066	SunRise Memory Corporation	27/07/2016	3357066	16852238.1	
3358960	DSM IP Assets B.V.	05/10/2016	3358960	16854262.9	
3359255	Redhill Biopharma Ltd.	06/10/2016	3359255	16853154.9	
3365017	Immunolight, LLC	19/10/2016	3365017	16858126.2	
	Duke University				
3367108	Kabushiki Kaisha Nihon Micronics	13/10/2016	3367108	16857343.4	
3367435	Deere & Company	19/02/2018	3367435	18157432.8	
3370326	Mitsubishi Electric Corporation	16/09/2016	3370326	16859436.4	
3380537	Arkema, Inc.	16/11/2016	3380537	16869082.4	
3389505	Vivasure Medical Limited	15/12/2016	3389505	16819501.4	
3396895	Mitsubishi Electric Corporation	20/12/2016	3396895	16878690.3	
3396967	Shenzhen TCL Digital Technology Ltd.	04/06/2016	3396967	16877207.7	
3399918	NovaSignal Corp.	05/01/2017	3399918	17736375.1	
3400660	Huawei Technologies Co., Ltd.	24/01/2017	3400660	17746918.6	
3409425	OMRON CORPORATION	09/02/2018	3409425	18156146.5	
3410092	GE Vernova Technology GmbH	09/05/2018	3410092	18171482.5	
3412063	TrellisWare Technologies, Inc.	03/02/2017	3412063	17748242.9	
3414719	Google LLC	09/06/2017	3414719	17731441.6	
3415022	Rossignol Lange S.R.L.	12/06/2018	3415022	18177162.7	French
3421987	ARKRAY, Inc.	21/06/2018	3421987	18179155.9	
3422824	Infineon Technologies Austria AG	14/06/2018	3422824	18177646.9	
3424541	Shanghai Zhuoruan Medical Technologies Co., Ltd	13/02/2017	3424541	17759106.2	
	Zhuoruan Medical Technologies (Suzhou) Co., Ltd				
3425822	The Boeing Company	26/06/2009	3425822	18188057.6	
3427808	Daikin Industries, Ltd.	08/03/2017	3427808	17763320.3	
3437851	Toray Industries, Inc.	29/03/2017	3437851	17775219.3	
3440436	Treitel Chemical Engineering Ltd.	27/03/2017	3440436	17778784.3	
3442226	QUALCOMM Incorporated	08/07/2010	3442226	18195668.1	
3442644	Ink Machines Sweden AB	15/04/2016	3442644	16716599.2	
3451935	Daklapack Europe B.V.	03/05/2017	3451935	17727412.3	
3452089	MedImmune, LLC	05/05/2017	3452089	17793480.9	
3453257	Kumiai Chemical Industry Co., Ltd.	18/04/2017	3453257	17789355.9	
3453651	M. Tanner AG	07/09/2017	3453651	17189934.7	German
3468685	Repligen Corporation	12/06/2017	3468685	17811158.9	
3470789	HL Klemove Corp.	16/10/2018	3470789	18200825.0	
3471011	Bundesdruckerei GmbH	02/10/2018	3471011	18198142.4	German
3471192	Kaneka Corporation	06/06/2017	3471192	17810324.8	
3471597	Implatronic GmbH	16/06/2017	3471597	17729169.7	
3472657	Sorbonne Université	16/06/2017	3472657	17733763.1	
	Centre National de la Recherche Scientifique				
	Institut National de la Santé et de la Recherche Médicale (INSERM)				
	Gensight Biologics				
3474479	Samsung Electronics Co., Ltd.	21/07/2017	3474479	17831376.3	
3474859	Harless, William Warren	22/06/2017	3474859	17830134.7	
	Szewczuk, Myron				

3476401	Nitto Denko Corporation	23/06/2017	3476401	17815500.8	
3477366	Samsung Electronics Co., Ltd.	16/08/2018	3477366	18189392.6	
3479016	Koninklijke Philips N.V.	29/06/2017	3479016	17739505.0	
3480483	Ratier-Figeac SAS	07/11/2017	3480483	17306539.2	
3485871	Resonac Corporation	08/06/2017	3485871	17827289.4	
3488034	Roquette Frères	21/07/2017	3488034	17754744.5	French
3493128	General Electric Company	07/11/2018	3493128	18204893.4	
3494748	Huawei Technologies Co., Ltd.	03/05/2018	3494748	18793809.7	
3495007	Hanvit MD Co., Ltd	01/08/2017	3495007	17837229.8	
3497428	Hologic, Inc.	09/03/2018	3497428	18714905.9	
3498018	Qualcomm Incorporated	01/08/2017	3498018	17751924.6	
3500706	Artnovion, Lda	22/08/2017	3500706	17777646.5	
3501062	Echodyne Corp.	15/08/2017	3501062	17758347.3	
3501536	EyePoint Pharmaceuticals, Inc.	15/10/2012	3501536	18202143.6	
3504992	Shenzhen First Union Technology Co., Ltd.	01/04/2019	3504992	19166438.2	
3505476	Otis Elevator Company	09/11/2018	3505476	18205409.8	
3505623	Cellectis	13/02/2015	3505623	18194851.4	
3506247	LG Display Co., Ltd.	25/10/2018	3506247	18202646.8	
3507900	ENNOGIE APS	31/08/2017	3507900	17765115.5	
3508835	Kabushiki Kaisha Yakult Honsha	31/08/2017	3508835	17846640.5	
3509013	Augmedics Inc.	04/01/2018	3509013	18150376.4	
3515953	Nova Chemicals (International) S.A.	14/09/2017	3515953	17783581.6	
3519055	Innospec Limited	29/09/2017	3519055	17780176.8	
3519120	ThyssenKrupp Steel Europe AG	22/09/2017	3519120	17772395.4	German
3520046	Biolog-id	24/10/2016	3520046	16784924.9	French
3527274	F. Hoffmann-La Roche AG	02/11/2012	3527274	18206718.1	
3527830	OneSubsea IP UK Limited	13/11/2018	3527830	18206032.7	
3528701	Leonh. Lang	19/10/2017	3528701	17791543.6	German
3528833	AliveGen Inc.	19/10/2017	3528833	17861941.7	
3529303	ICP Adhesives and Sealants, Inc.	07/09/2018	3529303	18853397.0	
3531149	LG Energy Solution, Ltd.	14/06/2018	3531149	18827436.9	
3534981	Axogen Corporation	02/11/2017	3534981	17866477.7	
3534993	Credence Medsystems, Inc.	01/11/2017	3534993	17804367.5	
3535310	The Coca-Cola Company	03/11/2017	3535310	17867773.8	
3535922	Synopsys, Inc.	06/11/2017	3535922	17872412.6	
3536406	Bühler AG	07/03/2018	3536406	18160427.3	German
3538881	Camx Power, L.L.C.	10/11/2017	3538881	17868600.2	
3538943	Thermo Electron Scientific Instruments LLC	07/11/2017	3538943	17801565.7	
3539039	Life Technologies Corporation	09/11/2017	3539039	17811755.2	
3539210	Microchip Technology Incorporated	09/11/2017	3539210	17801281.1	
3540066	Regeneron Pharmaceuticals, Inc.	08/02/2011	3540066	19157278.3	
3541527	Voith Patent GmbH	21/09/2017	3541527	17771442.5	German
3541888	3M Innovative Properties Company	09/11/2017	3541888	17871871.4	
3542389	Littelfuse, Inc.	17/10/2017	3542389	17871002.6	
3542709	Nokia Technologies Oy	23/03/2018	3542709	18163613.5	
3544274	Apple Inc.	28/05/2013	3544274	19174187.5	
3545499	3D Systems, Inc.	21/09/2017	3545499	17874067.6	
3549600	Intervet International B.V.	03/04/2018	3549600	18165381.7	
3551092	Ethicon, Inc.	13/11/2017	3551092	17812278.4	
3551967	TomTom Location Technology Germany GmbH	11/12/2017	3551967	17822598.3	
	TomTom Global Content B.V.				
3559595	Cepton Technologies, Inc.	14/12/2017	3559595	17884662.2	
3560356	British American Tobacco (Investments) Limited	30/10/2014	3560356	19180058.0	
3566048	Safran Aerosystems	05/01/2018	3566048	18702316.3	French
3567540	ORACLE INTERNATIONAL CORPORATION	07/05/2019	3567540	19172916.9	
3570232	Game Changer AG	15/05/2018	3570232	18172325.5	German
3571511	Horiba ABX SAS	17/01/2018	3571511	18702764.4	French
3571706	Coulomb Inc.	18/01/2018	3571706	18742381.9	

3571999	Canon Medical Systems Corporation	13/05/2019	3571999	19174188.3	
3572241	Sumitomo Rubber Industries, Ltd.	29/01/2018	3572241	18748385.4	
3573798	Faculdade De Ciências E Tecnologia Da Universidade Nova de Lisboa Universidade Nova de Lisboa	16/01/2018	3573798	18709071.7	
3575504	Uponor Infra Oy	28/05/2019	3575504	19176998.3	
3578012	Cree Lighting USA LLC	02/02/2018	3578012	18706049.6	
3578248	Toray Industries, Inc.	31/01/2018	3578248	18748262.5	
3579218	BOE Technology Group Co., Ltd.	31/08/2017	3579218	17849861.4	
3579638	Sharp Kabushiki Kaisha	02/02/2018	3579638	18748355.7	
3579750	Starkey Laboratories, Inc.	29/12/2017	3579750	17838110.9	
3580559	Baker Hughes Holdings LLC	13/02/2018	3580559	18752037.4	
3582049	Fuji Corporation	09/02/2017	3582049	17895987.0	
3585941	Trani, Giorgio	22/02/2018	3585941	18711405.3	
3589562	The Procter & Gamble Company	16/02/2018	3589562	18707608.8	
3593857	Rainbow Robotics	05/03/2018	3593857	18763485.2	
3594142	Suntory Holdings Limited	06/03/2018	3594142	18763036.3	
3594796	Apple Inc.	26/02/2014	3594796	19195207.6	
3595757	PARI Pharma GmbH	16/03/2018	3595757	18714181.7	
3598966	The Procter & Gamble Company	26/07/2018	3598966	18185892.9	
3599494	Seiko Epson Corporation	25/07/2019	3599494	19188314.9	
3600451	Minerva Biotechnologies Corporation	29/03/2018	3600451	18777506.9	
3601205	BASF SE	12/03/2018	3601205	18710055.7	
3602568	Koninklijke Philips N.V.	28/03/2018	3602568	18720972.1	
3608870	Augmedics Inc.	10/08/2018	3608870	18188557.5	
3610619	Huawei Technologies Co., Ltd.	03/05/2018	3610619	18794287.5	
3612030	Ikena Oncology, Inc.	20/04/2018	3612030	18787414.4	
3613703	Shandong Dazhan Nano Materials Co., Ltd.	27/03/2018	3613703	18788546.2	
3618184	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	23/08/2019	3618184	19193340.7	
3618441	Huawei Technologies Co., Ltd.	23/03/2018	3618441	18817683.8	
3618984	Mühlhoff Umformtechnik GmbH	02/05/2018	3618984	18721787.2	German
3619151	Ishida Europe Limited	30/04/2018	3619151	18722190.8	
3621469	Clothing Plus MBU Oy	09/05/2018	3621469	18799175.7	
3621629	Theralase Technologies Inc.	11/05/2018	3621629	18799412.4	
3622019	Avery Dennison Corporation	08/05/2017	3622019	17909391.9	
3624288	Tyco Electronics Raychem GmbH	12/09/2018	3624288	18193999.2	
3624700	Prometheus Therapeutics Inc.	16/05/2018	3624700	18732188.0	
3624849	Hoshino, Tatsuo	18/05/2018	3624849	18802154.7	
3629080	ESSILOR INTERNATIONAL	25/09/2018	3629080	18306242.1	
3632433	Nebolsin, Vladimir Evgenievich	24/05/2018	3632433	18806314.3	
3634394	Cognition Therapeutics, Inc.	15/05/2018	3634394	18802363.4	
3634854	Supracor, Inc.	05/06/2017	3634854	17912598.4	
3635363	Deep Piction GmbH	18/05/2018	3635363	18728805.5	
3636196	Dentlytec G.P.L. Ltd.	01/05/2016	3636196	19211372.8	
3636642	Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences	15/05/2018	3636642	18813675.8	
3639782	Karl Storz SE & Co. KG	10/10/2019	3639782	19202502.1	German
3640487	Würth International AG	13/04/2018	3640487	19211612.7	German
3640703	Hamamatsu Photonics K.K.	12/06/2018	3640703	18818635.7	
3640913	HERE Global B.V.	08/10/2019	3640913	19202055.0	
3641025	Contemporary Amperex Technology (Hong Kong) Limited	07/06/2019	3641025	19178937.9	
3642363	Bio-Rad Laboratories, Inc.	19/06/2018	3642363	18738178.5	
3646060	Waymo LLC	08/05/2018	3646060	18727527.6	
3646236	Bundesdruckerei GmbH	27/06/2018	3646236	18740117.9	German
3648011	Accenture Global Solutions Limited	02/11/2018	3648011	18382785.6	
3650086	Eleiko Group AB	31/10/2019	3650086	19206552.2	
3650176	Emerson Professional Tools AG	07/11/2018	3650176	18204899.1	German
3650678	Marelli Europe S.p.A.	06/11/2019	3650678	19207363.3	
3650959	Tissot S.A.	07/11/2018	3650959	18205004.7	French
3650960	Tissot S.A.	07/11/2018	3650960	18205006.2	French

3651142	Sony Group Corporation	28/05/2018	3651142	18845235.3	
	Technical University of Denmark				
3651354	Samsung Electronics Co., Ltd.	24/07/2018	3651354	18844794.0	
3652320	Mayo Foundation for Medical Education and Research	12/07/2018	3652320	18831744.0	
	Iowa State University Research Foundation, Inc.				
3653874	General Electric Renovables España, S.L.	15/11/2019	3653874	19209523.0	
3654112	Tissot S.A.	14/11/2018	3654112	18206307.3	French
3654316	Applied Medical Resources Corporation	13/03/2015	3654316	19215545.5	
3655585	VOSSLOH Switch Systems France	20/07/2018	3655585	18752829.4	French
3655664	Ziehl-Abegg SE	18/06/2018	3655664	18746087.8	German
3656026	Ramot at Tel-Aviv University Ltd.	17/07/2018	3656026	18834874.2	
3656086	Visa International Service Association	13/07/2018	3656086	18834728.0	
3656388	Biomedical Concepts LLC	25/11/2014	3656388	20150599.7	
	D.T.R. Dermal Therapy Research Inc.				
3656814	The Yokohama Rubber Co., Ltd.	19/07/2018	3656814	18834812.2	
3657926	Fuji Corporation	18/07/2017	3657926	17918230.8	
3658046	Innovheart S.r.l.	24/07/2018	3658046	18765168.2	
3658510	Aqvita Srl.	28/03/2018	3658510	18713922.5	French
3659038	Baobab Studios, Inc.	25/07/2018	3659038	18838447.3	
3659450	eSmoking Institute sp. z o.o.	04/02/2016	3659450	20153340.3	
3660586	LG INNOTEK CO. LTD	17/08/2012	3660586	19219417.3	
3660645	Huawei Technologies Co., Ltd.	30/09/2017	3660645	17927180.4	
3660924	IMEC vzw	30/11/2018	3660924	18209442.5	
3661264	Vivo Mobile Communication Co., Ltd.	02/07/2018	3661264	18838739.3	
3664531	Vivo Mobile Communication Co., Ltd.	06/08/2018	3664531	18840276.2	
3665593	Hitachi Vantara LLC	24/07/2018	3665593	18931283.8	
3668705	Additive Manufacturing Technologies Limited	30/07/2019	3668705	19750141.4	
3668935	Dow Global Technologies LLC	28/06/2018	3668935	18749642.7	
	Rohm and Haas Company				
3671242	LG Energy Solution, Ltd.	15/01/2019	3671242	19747604.7	
3674973	Samsung Electronics Co., Ltd.	28/11/2019	3674973	19212226.5	
3676876	BOE Technology Group Co., Ltd.	31/08/2017	3676876	17909657.3	
3678569	Biosense Webster (Israel) Ltd.	02/09/2018	3678569	18780225.1	
3680813	Siemens Schweiz AG	14/01/2019	3680813	19151592.3	
3682223	Shandon Diagnostics Limited	12/07/2018	3682223	18740212.8	
3684038	Huawei Technologies Co., Ltd.	19/09/2018	3684038	18863234.3	
3685579	Huawei Technologies Co., Ltd.	09/10/2017	3685579	17780762.5	
3685806	Beijing Naton Medical Technology Research Institute Co. Ltd.	20/01/2020	3685806	20152675.3	
	Tianjin Zhengtian Medical Instrument Co., Ltd.				
3686734	Shanghai Cambricon Information Technology Co., Ltd	13/07/2018	3686734	18835662.0	
3687597	Terumo Kabushiki Kaisha	27/09/2018	3687597	18789709.5	
3689390	DEKA Products Limited Partnership	27/08/2009	3689390	20165509.9	
3689391	Terumo Kabushiki Kaisha	27/09/2018	3689391	18862725.1	
3692645	QUALCOMM Incorporated	26/09/2018	3692645	18786185.1	
3694211	Panasonic Intellectual Property Corporation of America	03/10/2018	3694211	18864764.8	
3694867	Bristol-Myers Squibb Company	09/10/2018	3694867	18796199.0	
3695777	Lifescan Scotland Limited	29/06/2010	3695777	19217470.4	
3696275	MGI Tech Co., Ltd.	11/10/2017	3696275	17928398.1	
3697461	The University Of Nottingham	17/10/2018	3697461	18795739.4	
3697794	Actuate Therapeutics Inc.	16/10/2018	3697794	18797367.2	
3699606	ABB Schweiz AG	22/02/2019	3699606	19158959.7	
3701863	Polar Electro Oy	26/02/2019	3701863	19159318.5	
3702471	Illumina, Inc.	25/06/2015	3702471	20158427.3	
3703036	Honeywell International Inc.	24/02/2020	3703036	20159163.3	
3704344	Ensco International Incorporated	01/11/2018	3704344	18872190.6	

3704473	Hochschule Mannheim	31/10/2018	3704473	18796914.2	German
3706078	KNDS France	24/02/2020	3706078	20158970.2	French
3706618	Yukka Magic LLC	21/12/2018	3706618	18897763.1	
3706640	Caldera Medical, Inc.	13/11/2018	3706640	18877284.2	
3706693	Fred Bergman Healthcare Pty Ltd	07/11/2018	3706693	18876000.3	
3707042	Astemo France	08/11/2018	3707042	18875003.8	French
3707664	MariElla Labels Oy	26/09/2018	3707664	18877115.8	
3708061	Ambu A/S	14/03/2019	3708061	19162924.5	
3709692	HUAWEI TECHNOLOGIES CO., LTD.	08/08/2019	3709692	19851158.6	
3712133	Shenzhen TargetRx, Inc.	13/11/2018	3712133	18879844.1	
3718386	Maier, Mathias	23/03/2020	3718386	20164959.7	German
3720028	ZTE Corporation	09/11/2018	3720028	18883890.8	
3721165	Bae Systems Bofors AB	30/10/2018	3721165	18797199.9	
3721449	Westinghouse Electric Company Llc	05/11/2018	3721449	18886835.0	
3724549	Texas Instruments Incorporated	11/12/2018	3724549	18889375.4	
3726451	IEX Group, Inc.	12/09/2013	3726451	20167210.2	
3726640	LG Energy Solution, Ltd.	11/09/2019	3726640	19889810.8	
3727486	Polynovo Biomaterials Pty Limited	21/12/2018	3727486	18892775.0	
3728209	Bristol-Myers Squibb Company	18/12/2018	3728209	18830677.3	
3730590	Merck Patent GmbH	13/02/2015	3730590	20174018.0	German
3730787	Hanon Systems	24/04/2019	3730787	19170851.0	
	TE Connectivity Germany GmbH				
3731307	LG Energy Solution, Ltd.	17/04/2019	3731307	19803051.2	
3735352	Ferro GmbH	15/02/2019	3735352	19706512.1	German
3737067	The Boeing Company	05/05/2020	3737067	20172911.8	
3741259	BOCK 1 GmbH & Co. KG	12/05/2020	3741259	20000183.2	German
3741665	Pratt & Whitney Canada Corp.	20/05/2020	3741665	20175764.8	
3741731	SCHOTT AG	13/05/2020	3741731	20174405.9	German
3742844	Vivo Mobile Communication Co., Ltd.	16/01/2019	3742844	19741822.1	
3743253	Tammiston Puu Oy	22/01/2019	3743253	19709994.8	
3743788	Apple Inc.	18/01/2019	3743788	19704693.1	
3744369	Nipro Corporation	28/01/2019	3744369	19743386.5	
3746142	Illés Csók És Társa KFT	11/01/2019	3746142	19705556.9	
3746158	Becton Dickinson France	31/01/2019	3746158	19702448.2	
3747391	Neuwave Medical, Inc.	26/10/2016	3747391	20175905.7	
3747418	REISHI COLOMBIA S.A.S.	29/01/2019	3747418	19747199.8	
3747532	Vaillant GmbH	05/05/2020	3747532	20172956.3	German
3748815	Astemo, Ltd.	26/12/2018	3748815	18904296.3	
3750288	Hewlett-Packard Development Company, L.P.	07/06/2018	3750288	18921756.5	
3750530	TyrNovo Ltd.	04/02/2016	3750530	20168234.1	
3750580	SCHOTT Pharma Schweiz AG	13/06/2019	3750580	19180053.1	German
3753133	QUALCOMM Incorporated	14/02/2019	3753133	19708723.2	
3753175	QUALCOMM Incorporated	08/02/2019	3753175	19707215.0	
3753386	Horsch Maschinen GmbH	26/05/2020	3753386	20176400.8	German
3754218	NTN Corporation	08/02/2019	3754218	19754234.3	
3755032	Vivo Mobile Communication Co., Ltd.	11/01/2019	3755032	19750345.1	
3755166	Acetate International LLC	21/02/2019	3755166	19709321.4	
3755950	ARDEX GmbH	20/02/2019	3755950	19707746.4	German
3756014	Board of Regents, The University of Texas System	25/02/2019	3756014	19757574.9	
	Baylor College Of Medicine				
3756238	Adant Technologies, Inc.	21/02/2019	3756238	19712036.3	
3756634	Favero Health Projects S.p.A.	24/06/2020	3756634	20181878.8	
3758524	Imperial Tobacco Limited	13/02/2019	3758524	19706428.0	
3759538	Corephotonics Ltd.	01/03/2019	3759538	19760615.5	
3760730	Natera, Inc.	18/11/2011	3760730	20176621.9	
3761254	Korea Railroad Research Institute	29/03/2018	3761254	18911568.6	
3761855	Sleep Number Corporation	06/03/2019	3761855	19711793.0	
3762015	Janssen Biotech, Inc.	04/03/2019	3762015	19764856.1	
3762213	Peridot Print LLC	20/09/2018	3762213	18933780.1	

3763716	Shanghai Institute of Materia Medica, Chinese Academy of Sciences	08/03/2019	3763716	19763907.3	
3764890	CardioInsight Technologies, Inc.	14/03/2019	3764890	19717992.2	
3766103	Omega Energy Systems, LLC	11/03/2019	3766103	19768381.6	
3766584	Talleres ZB, S.A.	27/02/2019	3766584	19767772.7	
3766838	Samsung SDI Co., Ltd.	22/08/2019	3766838	20193862.8	
3767031	PPC Paper Print Converting GmbH	09/10/2020	3767031	20201097.1	German
3767934	Tintometer GmbH	19/07/2019	3767934	19187335.5	
3768643	Avsalt AB	21/03/2019	3768643	19714144.3	
3769108	Zoox, Inc.	15/03/2019	3769108	19714065.0	
3769626	Tetra Laval Holdings & Finance S.A.	02/07/2020	3769626	20183617.8	
3770107	Jungheinrich Aktiengesellschaft	22/07/2020	3770107	20187180.3	German
3770438	Dab Pumps S.p.A.	06/07/2020	3770438	20184135.0	
3771142	Robert Bosch GmbH	24/07/2019	3771142	19187996.4	
3771399	Bionime Corporation	03/08/2020	3771399	20189188.4	
3773529	Signpath Pharma, Inc.	28/03/2019	3773529	19785177.7	
3773793	TERUMO Kabushiki Kaisha	18/03/2019	3773793	19715257.2	
3774174	Gühring KG	12/04/2019	3774174	19721546.0	German
3775260	Certara USA, Inc.	27/03/2019	3775260	19776801.3	
3775467	Novatek IP, LLC	26/03/2019	3775467	19777204.9	
3776121	Bently Nevada, LLC	04/04/2019	3776121	19781568.1	
3777344	InterDigital Patent Holdings, Inc.	15/03/2019	3777344	19714928.9	
3777671	Creative Technology Corporation	14/03/2019	3777671	19776844.3	
3777742	Olympus Winter & Ibe GmbH	25/06/2020	3777742	20182214.5	German
3779552	Panasonic Intellectual Property Management Co., Ltd.	20/09/2018	3779552	18911796.3	
3782420	Samsung Electronics Co., Ltd.	10/05/2019	3782420	19800197.6	
3784437	3M Innovative Properties Company	17/04/2019	3784437	19727080.4	
3784610	Combilift	15/04/2019	3784610	19717900.5	
3784707	International Flavors & Fragrances Inc.	26/04/2019	3784707	19793095.1	
3784959	Belimo Holding AG	25/03/2019	3784959	19713458.8	
3785289	Epinovatech AB	23/04/2019	3785289	19727825.2	
3785684	Medical Workshop B.V.	02/09/2020	3785684	20194122.6	
3786000	Volvo Car Corporation	26/08/2019	3786000	19193538.6	
3786837	Samsung Electronics Co., Ltd.	22/04/2020	3786837	20170872.4	
3787273	Beijing Xiaomi Mobile Software Co., Ltd.	27/12/2019	3787273	19219821.6	
3787411	Marel Poultry B.V.	26/04/2019	3787411	19726202.5	
3787972	Weisser, Lutz	02/05/2018	3787972	18726339.7	German
3788933	BSH Hausgeräte GmbH	05/09/2019	3788933	19195575.6	
3789086	Shenzhen Mingjie Medical Technology Co. Ltd.	31/05/2019	3789086	19792520.9	
3791874	National University Corporation Okayama University KOWA COMPANY, LTD.	07/05/2019	3791874	19799633.3	
3791917	Biosense Webster (Israel) Ltd.	11/09/2020	3791917	20195722.2	
3792184	Volocopter Technologies GmbH	10/09/2019	3792184	19196435.2	
3792323	Braun GmbH	12/09/2019	3792323	19197011.0	
3792909	Bellevue Investments GmbH & Co. KGaA	15/09/2020	3792909	20196192.7	
3793643	CareFusion 303, Inc.	08/05/2019	3793643	19725562.3	
3793865	Autoneum Management AG	06/05/2019	3793865	19722115.3	
3794369	Robert Bosch GmbH	07/03/2019	3794369	19709711.6	German
3794516	Magic Leap, Inc.	15/05/2019	3794516	19803075.1	
3795252	Sharp Life Science (EU) Limited	19/09/2019	3795252	19198483.0	
3795331	Technische Universität Dortmund	20/09/2019	3795331	19198805.4	German
3796710	HUAWEI TECHNOLOGIES CO., LTD.	06/03/2017	3796710	20185675.4	
3797458	Google LLC	07/05/2019	3797458	19725508.6	
3797597	Wirth, Roland Einenkel, Jörg	27/09/2019	3797597	19200244.2	German
3797619	iXS ag	07/08/2020	3797619	20190107.1	German
3797874	Stamford Devices Limited	03/10/2011	3797874	20207577.6	
3797955	Electronic Systems S.p.A.	27/09/2019	3797955	19200215.2	
3798120	Rockwell Collins, Inc.	28/09/2020	3798120	20198774.0	

3798911	Robert Bosch GmbH Carnegie Mellon University	24/09/2019	3798911	19199297.3	
3799613	Cryoport, Inc.	01/07/2019	3799613	19831063.3	
3800143	Deutsche Post AG	01/10/2020	3800143	20199568.5	German
3800541	Samsung Electronics Co., Ltd.	22/03/2019	3800541	19838468.7	
3800866	Palantir Technologies Inc.	15/11/2019	3800866	19209536.2	
3801027	PrimingTec UG (haftungsbeschränkt)	11/06/2019	3801027	19729029.9	
3801059	Baxter International Inc. BAXTER HEALTHCARE SA	29/05/2019	3801059	19731456.0	
3801268	Hologic, Inc.	24/05/2019	3801268	19730089.0	
3801450	L'OREAL	30/05/2019	3801450	19733236.4	
3801804	IKA - Werke GmbH & Co. KG	15/05/2019	3801804	19725090.5	German
3801806	Scionix Naturex S.A.	15/05/2019	3801806	19726336.1	
3803768	Swiss Reinsurance Company Ltd.	05/06/2019	3803768	19731167.3	
3804342	Canon Kabushiki Kaisha	05/06/2019	3804342	19729260.0	
3804357	Sonos, Inc.	24/05/2019	3804357	19731415.6	
3804423	QUALCOMM Incorporated	01/05/2019	3804423	19725806.4	
3805869	Meco S.A.	09/10/2019	3805869	19202189.7	French
3806535	Huawei Technologies Co., Ltd.	15/05/2019	3806535	19830086.5	
3807083	TPI Composites, Inc.	12/06/2019	3807083	19820574.2	
3807696	AUMOVIO Germany GmbH	13/06/2019	3807696	19731676.3	
3807732	Universal Robots A/S	17/06/2019	3807732	19730181.5	
3809057	Mitsubishi Electric Corporation	13/06/2018	3809057	18922448.8	
3810736	Chevron Oronite Company LLC	18/06/2019	3810736	19761947.1	
3810876	Arturo Salice S.p.A.	14/05/2019	3810876	19723126.9	
3811074	Saint-Gobain Isover	21/06/2019	3811074	19822615.1	
3811524	Qualcomm Incorporated	24/06/2019	3811524	19736928.3	
3812073	FANUC CORPORATION	09/09/2020	3812073	20195209.0	
3812550	Korea Institute of Machinery & Materials	14/06/2019	3812550	19823670.5	
3812761	Renosis, Inc.	05/06/2014	3812761	20183421.5	
3813780	L'OREAL	18/06/2019	3813780	19731998.1	
3814355	Zhejiang Vimgreen Pharmaceuticals, Ltd	26/06/2018	3814355	18924546.7	
3815463	Breville Pty Limited	28/06/2019	3815463	19825615.8	
3817266	HUAWEI TECHNOLOGIES CO., LTD.	28/06/2019	3817266	19826647.0	
3817289	Vivo Mobile Communication Co., Ltd.	30/05/2019	3817289	19820615.3	
3817502	Telefonaktiebolaget LM Ericsson (publ)	15/03/2018	3817502	20210611.8	
3818735	HUAWEI TECHNOLOGIES CO., LTD.	21/08/2019	3818735	19852322.7	
3818852	KT&G Corporation	17/07/2020	3818852	20785664.2	
3818896	KT&G Corporation	08/11/2019	3818896	19910154.4	
3819477	RTX Corporation	06/11/2020	3819477	20206169.3	
3819894	Rockwell Collins, Inc.	05/11/2020	3819894	20205991.1	
3820379	Covidien LP	03/07/2019	3820379	19833219.9	
3820413	Betterguards Technology GmbH	09/07/2019	3820413	19739256.6	German
3821635	HUAWEI TECHNOLOGIES CO., LTD.	16/08/2019	3821635	19850491.2	
3822208	Otis Elevator Company	13/11/2020	3822208	20207514.9	
3823365	HUAWEI TECHNOLOGIES CO., LTD.	09/08/2019	3823365	19848081.6	
3824286	Ecole Polytechnique Centre National de la Recherche Scientifique	17/07/2019	3824286	19761730.1	French
3824838	Baxter Medical Systems GmbH + Co. KG	19/11/2020	3824838	20208719.3	
3825496	iLOQ Oy	20/11/2019	3825496	19210367.9	
3826188	RTX Corporation	30/10/2020	3826188	20205031.6	
3826440	New H3C Technologies Co., Ltd.	18/11/2019	3826440	19896425.6	
3826731	Minimax GmbH	25/07/2019	3826731	19752123.0	German
3827430	Samsung Electronics Co., Ltd.	03/09/2019	3827430	19857727.2	
3827916	Yantai Dongxing Magnetic Materials Inc.	24/11/2020	3827916	20209464.5	
3828419	Sulzer Management AG	22/10/2020	3828419	20203217.3	
3828529	Carrier Corporation	27/11/2019	3828529	19383052.8	
3829132	General Electric Company	11/11/2020	3829132	20206885.4	
3830348	Armas, David	04/08/2019	3830348	19848390.1	
3830861	UCL Business Ltd	31/07/2019	3830861	19752235.2	

3831467	NanoH2O Co., Ltd.	24/07/2019	3831467	19841163.9
3832297	Maxell, Ltd.	17/10/2018	3832297	18936948.1
3832795	KMW Inc.	26/07/2019	3832795	19841167.0
3832840	Beijing Xiaomi Mobile Software Co., Ltd.	15/06/2020	3832840	20179894.9
3832841	Beijing Xiaomi Mobile Software Co., Ltd.	23/06/2020	3832841	20181698.0
3832953	HUAWEI TECHNOLOGIES CO., LTD.	13/07/2020	3832953	20839648.1
3833119	Beijing Xiaomi Mobile Software Co., Ltd.	06/08/2018	3833119	18929426.7
3833622	Lugaia AG	07/08/2019	3833622	19783364.3
	Lonza Ltd			
3834068	Micron Technology, Inc.	24/07/2019	3834068	19846875.3
3834568	Telefonaktiebolaget LM Ericsson (publ)	22/07/2019	3834568	19847691.3
3834730	Biosense Webster (Israel) Ltd.	11/12/2020	3834730	20213321.1
3834821	Chengdu Baiyu Pharmaceutical Co., Ltd.	29/09/2019	3834821	19871224.2
3836434	Samsung Electronics Co., Ltd.	25/06/2012	3836434	21155924.0
3836612	Huawei Technologies Co., Ltd.	02/08/2019	3836612	19865768.6
3836686	ZTE Corporation	12/08/2019	3836686	19847454.6
3836713	VIVO MOBILE COMMUNICATION CO., LTD.	19/07/2019	3836713	19848732.4
3837516	Watlow Electric Manufacturing Company	31/07/2019	3837516	19752829.2
3839936	BOE TECHNOLOGY GROUP CO., LTD.	05/08/2019	3839936	19850123.1
	Hefei Xinsheng Optoelectronics Technology Co., Ltd.			
3840906	WAAM3D Limited	19/07/2019	3840906	19742367.6
3841839	Verisure Sàrl	22/08/2019	3841839	19755653.3
3842321	Clarion Co., Ltd.	18/11/2020	3842321	20208307.7
3842524	SUMITOMO CHEMICAL COMPANY, LIMITED	07/06/2013	3842524	21156820.9
	RIKEN			
3842732	Shenzhen Yuejiang Technology Co., Ltd.	17/09/2019	3842732	19940902.0
3842933	Google LLC	16/06/2015	3842933	21158594.8
3843361	BOE Technology Group Co., Ltd.	21/08/2019	3843361	19851759.1
3843520	Fuji Corporation	23/08/2018	3843520	18931184.8
3844527	Microsoft Technology Licensing, LLC	24/09/2019	3844527	19783800.6
3844603	INTERFACE, INC.	30/08/2019	3844603	19854899.2
3844682	Sony Group Corporation	17/10/2019	3844682	19873535.9
	Sony Pictures Entertainment, Inc.			
3844842	Telefonaktiebolaget LM Ericsson (publ)	31/08/2018	3844842	18765085.8
3846677	Technion Research & Development Foundation Limited	05/09/2019	3846677	19856764.6
3847490	Corning Incorporated	28/08/2019	3847490	19765943.6
3848514	Hitachi Construction Machinery Co., Ltd.	13/06/2019	3848514	19857161.4
3849418	The Secretary of State for Defence	13/09/2019	3849418	19778581.9
3849511	The Secretary of State for Defence	13/09/2019	3849511	19778580.1
	The University of Strathclyde			
3850794	Outdoor Wireless Networks LLC	12/09/2019	3850794	19860621.2
3850956	KT & G Corporation	16/09/2020	3850956	20820307.5
3851210	Barberan Latorre, Jesús Francisco	14/01/2020	3851210	20382015.4
3851660	RTX Corporation	13/01/2021	3851660	21151423.7
3851727	MAN Truck & Bus SE	07/01/2021	3851727	21150523.5
3851807	SAAB AB	09/12/2020	3851807	20212849.2
3853695	Microsoft Technology Licensing, LLC	09/10/2019	3853695	19795388.8
3855171	CKD CORPORATION	31/05/2019	3855171	19862827.3
3855529	Samsung SDI Co., Ltd.	16/07/2019	3855529	19861770.6
3855849	VIVO MOBILE COMMUNICATION CO., LTD.	28/08/2019	3855849	19862849.7
3856182	Karuna Therapeutics, Inc.	27/09/2019	3856182	19865548.2
3856853	Vitro Flat Glass LLC	24/09/2019	3856853	19783812.1
3857003	General Electric Renovables España, S.L.	24/09/2019	3857003	19783847.7
3859300	SAKURA SEIKI CO., LTD.	13/11/2019	3859300	19916407.0
	SAKURA FINETEK JAPAN CO., LTD.			
3859402	HAMAMATSU PHOTONICS K.K.	26/01/2021	3859402	21153420.1
3859443	Samsung Electronics Co., Ltd.	28/01/2021	3859443	21154106.5

German

3859651	Deere & Company	15/12/2020	3859651	20214336.8	
3859808	Novald GmbH	28/01/2020	3859808	20154082.0	
3860009	Cumucore Oy	19/01/2021	3860009	21152252.9	
3860633	UMAYANA ARASTIRMA GELISTIRME VE ILAÇ SANAYİ ANONİM ŞİRKETİ	04/10/2019	3860633	19869247.7	
3860771	Vermes Microdispensing GmbH	24/09/2019	3860771	19782925.2	German
3861592	Outdoor Wireless Networks LLC	04/10/2019	3861592	19869997.7	
3864322	Sew-Eurodrive GmbH & Co. KG	27/09/2019	3864322	19790136.6	German
3864385	J.A. Woollam Co., Inc.	10/12/2018	3864385	18936780.8	
3865143	PreviPharma GmbH	17/02/2020	3865143	20020074.9	
3865303	Hangyo Hologram Co., Ltd.	08/10/2019	3865303	19870954.5	
3866623	JT International SA	18/10/2019	3866623	19798177.2	
3867721	Starship Technologies OÜ	14/10/2019	3867721	19783562.2	
3867766	Intuit Inc.	21/05/2020	3867766	20732024.3	
3867805	Prodose	18/10/2019	3867805	19816373.5	French
	Boukari, Morou				
3868189	Kuhn-Huard S.A.S	16/02/2021	3868189	21157366.2	French
3868291	Hill-Rom Services, Inc.	15/02/2021	3868291	21157153.4	
3868982	Etablissements René Bosmy Société Normande de Clotures	19/02/2021	3868982	21158029.5	French
3871024	Senko Advanced Components, Inc.	23/10/2019	3871024	19835871.5	
3871665	Martin-Luther-Universität Halle-Wittenberg Cambridge Enterprise Limited	28/02/2020	3871665	20159945.3	
3872558	Shin-Etsu Chemical Co., Ltd.	02/10/2019	3872558	19877050.5	
3872580	Casio Computer Co., Ltd.	22/02/2021	3872580	21158374.5	
3872808	NEC Corporation	25/10/2018	3872808	18937772.4	
3873394	Progenitec, Inc.	22/01/2020	3873394	20794962.9	
3874766	Snap Inc.	23/10/2019	3874766	19804916.5	
3874842	QUALCOMM Incorporated	01/11/2019	3874842	19809304.9	
3875316	Ichikoh Industries, Ltd.	31/10/2019	3875316	19879187.3	
3875353	Hangzhou Hikrobot Co., Ltd.	28/10/2019	3875353	19878734.3	
3875779	Pentair Water Pool and Spa, Inc. Danfoss Power Electronics A/S	08/03/2021	3875779	21161379.9	
3876189	Mitsubishi Electric Corporation	15/10/2019	3876189	19879079.2	
3877072	W. L. Gore & Associates, Inc.	05/11/2018	3877072	18812439.0	
3877601	Inter IKEA Systems B.V.	08/11/2019	3877601	19801834.3	
3877664	Energy Recovery, Inc.	29/10/2019	3877664	19805477.7	
3877886	International Business Machines Corporation	05/11/2019	3877886	19800964.9	
3878510	Aktina Corp.	10/02/2021	3878510	21156333.3	
3879919	Sony Interactive Entertainment Inc.	08/11/2019	3879919	19882429.4	
3880748	Nova Chemicals (International) S.A.	05/11/2019	3880748	19801981.2	
3880756	Sun Chemical Corporation	12/11/2019	3880756	19836187.5	
3881222	SURYS	12/11/2019	3881222	19801562.0	French
3881355	Sandisk Technologies, Inc.	30/12/2019	3881355	19934798.0	
3882151	B/E Aerospace, Inc.	22/03/2021	3882151	21164111.3	
3882391	BSH Hausgeräte GmbH	25/02/2021	3882391	21159279.5	
3882496	Pillar Corporation	22/08/2019	3882496	19883742.9	
3882628	Sekisui Medical Co., Ltd.	15/11/2019	3882628	19883974.8	
3882684	Optotune Switzerland AG	06/02/2016	3882684	21173326.6	
3883106	Infineon Technologies Austria AG	17/03/2020	3883106	20163700.6	
3883469	7S Health.Care GmbH	30/11/2020	3883469	20829182.3	German
3883579	Amgen Inc.	18/11/2019	3883579	19886683.2	
3885228	INTEL Corporation	13/11/2020	3885228	20207424.1	
3885720	Mitsubishi Generator Co., Ltd.	18/12/2020	3885720	20215812.7	
3885846	Nivarox-FAR S.A.	27/03/2020	3885846	20166287.1	French
3886278	OBO Bettermann Hungary Kft.	17/03/2021	3886278	21163085.0	German
3886574	FERPLAST S.P.A.	15/11/2019	3886574	19806086.5	
3887210	Grote Industries, Inc.	22/11/2019	3887210	19820963.7	
3888019	International Business Machines Corporation	20/11/2019	3888019	19808567.2	
3888670	Monyan Pharmaceutical Co., Ltd.	08/04/2020	3888670	20814100.2	

3889987	Zhejiang Chint Electrics Co., Ltd.	29/11/2019	3889987	19890761.0	French
3890385	HUAWEI TECHNOLOGIES CO., LTD.	23/07/2018	3890385	21157035.3	
3891196	Syensqo Specialty Polymers Italy S.p.A.	02/12/2019	3891196	19809121.7	
3891662	Microsoft Technology Licensing, LLC	01/11/2019	3891662	19809290.0	
3892775	Matisa Matériel Industriel S.A.	11/04/2021	3892775	21167758.8	
3894512	Entegris, Inc.	22/11/2019	3894512	19896272.2	
3895747	Sanofi-Aventis Deutschland GmbH	29/08/2013	3895747	21178270.1	
3900421	JRD Communication (Shenzhen) Ltd	12/02/2020	3900421	20755675.4	
3901353	LG Electronics Inc.	09/08/2018	3901353	21171785.5	
3902153	Huawei Technologies Co., Ltd.	08/01/2020	3902153	20738094.0	
3902514	Colgate-Palmolive Company	17/01/2020	3902514	20705574.0	
3903922	ROMACO TECPHARM, S.L.	28/04/2020	3903922	20382347.1	
3904181	Midwest Innovative Products	26/04/2021	3904181	21170495.2	
3904605	Komatsu Ltd.	24/03/2020	3904605	20776449.9	
3905153	OMRON Corporation	07/03/2019	3905153	19904165.8	
3905158	Accenture Global Solutions Limited	27/04/2021	3905158	21170640.3	
3905959	Radiation Ltd.	31/12/2019	3905959	19907256.2	
3907150	Soh, Yoon Sub	17/04/2020	3907150	20819255.9	
3907832	TE Connectivity Italia Distribution S.r.l.	05/05/2021	3907832	21172294.7	
3907854	TE Connectivity Germany GmbH				
	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	18/01/2019	3907854	19910441.5	
3907979	CANON KABUSHIKI KAISHA	04/01/2021	3907979	21150028.5	German
3908601	Omeros Corporation	10/01/2020	3908601	20739226.7	
3909836	Choi, Yong Jae	06/04/2021	3909836	21166947.8	
3909837	RTI Sports GmbH	07/04/2021	3909837	21167208.4	
3910211	Goodrich Corporation	12/05/2020	3910211	20461535.5	
3910345	EMH metering GmbH & Co. KG	14/04/2021	3910345	21168442.8	
3910496	Samsung Electronics Co., Ltd.	22/05/2015	3910496	21184282.8	
3911142	Storp AB	14/01/2020	3911142	20741567.0	
3911513	Milliken & Company	15/01/2020	3911513	20732001.1	
3912088	Microsoft Technology Licensing, LLC	09/02/2020	3912088	20709443.4	
3912171	BWXT Advanced Technologies LLC	10/01/2020	3912171	20741080.4	German
3912187	Sandisk Technologies, Inc.	21/11/2019	3912187	19909771.8	
3912433	Signify Holding B.V.	14/01/2020	3912433	20700226.2	
3913161	GIBUS S.p.A.	21/05/2021	3913161	21175281.1	
3913308	LG Electronics Inc.	01/08/2016	3913308	21185362.7	
3913527	Stradvision, Inc.	02/02/2021	3913527	21154815.1	
3913538	Robert Bosch GmbH	20/05/2020	3913538	20175680.6	
3913683	Samsung Display Co., Ltd.	14/05/2021	3913683	21173951.1	
3913842	QUALCOMM Incorporated	11/01/2011	3913842	21165683.0	
3914860	SCHREDER S.A.	22/01/2020	3914860	20700937.4	
3915731	Koki Holdings Co., Ltd.	06/03/2020	3915731	20785078.5	German
3915904	Hai Robotics Co., Ltd.	21/01/2020	3915904	20745857.1	
3916036	SK leaveo Co., Ltd.	19/05/2021	3916036	21174589.8	
3916413	Lapp Engineering AG	11/05/2021	3916413	21173256.5	
3916430	Honeywell International Inc.	28/04/2021	3916430	21171057.9	
3918987	FUJIFILM Corporation	28/01/2020	3918987	20747715.9	
3919288	ENEOS Materials Corporation	27/01/2020	3919288	20748428.8	
3919311	MAN Truck & Bus SE	02/02/2015	3919311	21188277.4	
3919338	HYUNDAI MOTOR COMPANY	28/09/2020	3919338	20198648.6	
	Kia Corporation				German
3919411	Hai Robotics Co., Ltd.	21/01/2020	3919411	20747755.5	
3919584	Mitsui Chemicals, Inc.	29/01/2020	3919584	20748717.4	
3921632	APN Inc.	07/02/2019	3921632	19914411.4	
3923528	Huawei Technologies Co., Ltd.	20/03/2020	3923528	20773390.8	
3924156	Colt Technologies GmbH	13/02/2020	3924156	20705669.8	
3924955	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	13/02/2020	3924955	20755647.3	
3925296	Samsung Electronics Co., Ltd.	12/03/2020	3925296	20769603.0	
3925387	QUALCOMM Incorporated	14/02/2020	3925387	20712127.8	
3926200	Goodrich Corporation	25/05/2021	3926200	21175653.1	

3927068	Samsung Electronics Co., Ltd.	08/04/2020	3927068	20791852.5	
3927282	Coapt LLC	19/02/2020	3927282	20758760.1	
3927313	Catalent U.K. Swindon Zydys Limited	21/02/2020	3927313	20708584.6	
3927382	DELOX - Investigação, Processos e Equipamentos Científicos, Lda	19/02/2020	3927382	20709721.3	
3928430	Samsung Electronics Co., Ltd.	14/04/2020	3928430	20791855.8	
3930027	Contemporary Ampere Technology (Hong Kong) Limited	24/09/2020	3930027	20876475.3	
3930613	VERB SURGICAL INC.	08/03/2019	3930613	19916951.7	
3930682	NTC S.r.l.	26/02/2020	3930682	20713963.5	
3931189	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	26/02/2020	3931189	20763824.8	
3931910	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	01/03/2019	3931910	19918038.1	
3931995	Sony Group Corporation	12/03/2020	3931995	20709598.5	
3933239	Eazy Systems GmbH	01/07/2020	3933239	20183549.3	German
3934065	LG Magna e-Powertrain Co., Ltd.	25/02/2019	3934065	19917172.9	
3935995	Sony Group Corporation	22/01/2020	3935995	20766580.3	
3936230	The Chugoku Electric Power Co., Inc. Tokyo Metropolitan Public University Corporation	05/03/2020	3936230	20766854.2	
3936409	Hitachi, Ltd.	26/11/2019	3936409	19917671.0	
3937707	Nicoventures Trading Limited	09/03/2020	3937707	20712233.4	
3937751	Shie, Chang-Bih	11/03/2020	3937751	20772811.4	
3939178	Airbus Defence and Space Limited	12/03/2020	3939178	20712659.0	
3939337	Advanced Bionics AG	29/07/2019	3939337	19750233.9	
3939933	Deltrol Corp.	28/08/2020	3939933	20193485.8	
3941271	Imperial Tobacco Limited	13/03/2020	3941271	20715725.6	
3941807	Caterpillar Inc.	28/02/2020	3941807	20714419.7	
3941919	Genentech, Inc.	02/01/2020	3941919	20702937.2	
3942869	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	13/03/2020	3942869	20714308.2	
3942975	Asendorf, Ilona	20/07/2021	3942975	21186544.9	German
3943860	Valeo Autosystemy SP. Z.O.O.	23/07/2020	3943860	20461547.0	
3944061	Shenzhen Huion Animation Technology Co., Ltd.	23/07/2021	3944061	21187471.4	
3944214	BOE TECHNOLOGY GROUP CO., LTD. Fuzhou Boe Optoelectronics Technology Co., Ltd.	22/03/2019	3944214	19921276.2	
3945290	Rae Systems, Inc.	14/07/2021	3945290	21185680.2	
3945772	Emak S.p.A.	05/03/2020	3945772	20709343.6	
3945851	Chromatic Technologies, Inc.	01/04/2020	3945851	20785251.8	
3946553	Advanced Neuromodulation Systems, Inc.	10/03/2020	3946553	20783099.3	
3946721	CSP Technologies, Inc. Le Centre National De La Recherche Scientifique Université de Haute Alsace	31/03/2020	3946721	20722037.7	
3947947	BorgWarner US Technologies LLC	20/05/2020	3947947	20727820.1	
3948156	Carl Zeiss SMT GmbH	17/03/2020	3948156	20712522.0	German
3948303	Gen-Probe Incorporated	19/03/2020	3948303	20719842.5	
3948314	Siemens Energy Global GmbH & Co. KG	28/03/2019	3948314	19716813.1	German
3948556	ALIBABA GROUP HOLDING LIMITED	24/03/2020	3948556	20776706.2	
3948762	Huawei Technologies Co., Ltd.	17/04/2019	3948762	19720488.6	
3948789	Cisco Technology, Inc.	27/03/2020	3948789	20721901.5	
3949150	QUALCOMM INCORPORATED	20/06/2019	3949150	19737380.6	
3949206	InterDigital Patent Holdings, Inc.	03/04/2020	3949206	20722787.7	
3949295	Google LLC	03/04/2020	3949295	20722126.8	
3950050	Medtronic Inc.	04/08/2016	3950050	21199640.0	
3950267	NISSEI ASB MACHINE CO., LTD.	03/04/2020	3950267	20783063.9	
3950846	Dow Toray Co., Ltd.	18/03/2020	3950846	20785396.1	
3951125	Nordic Door AB	06/08/2020	3951125	20189756.8	
3951789	Biosense Webster (Israel) Ltd.	05/08/2021	3951789	21189767.3	

3952479	ZTE Corporation	27/02/2020	3952479	20785368.0	
3952480	Huawei Technologies Co., Ltd.	10/02/2020	3952480	20798638.1	
3953003	Minimax Viking Patent Management GmbH	09/04/2020	3953003	20792095.0	
3953645	Werkhaus GmbH & Co. KG	14/04/2020	3953645	20720384.5	German
3953919	Aloe Care Health, Inc.	12/04/2020	3953919	20787850.5	
3954305	Covidien LP	11/08/2021	3954305	21190874.4	
3954841	Laing O'Rourke Plc	22/07/2021	3954841	21187141.3	
3954987	Hitachi High-Tech Corporation	26/02/2020	3954987	20787227.6	
3955171	STMicroelectronics (Rousset) SAS STMicroelectronics S.r.l.	03/08/2021	3955171	21189279.9	
3956627	Shell Shock Technologies LLC	14/04/2019	3956627	19924920.2	
3957019	QUALCOMM INCORPORATED	26/03/2020	3957019	20720642.6	
3957187	Käsehaus K3	21/08/2020	3957187	20192110.3	
3957839	PRATT & WHITNEY CANADA CORP.	15/09/2017	3957839	21195355.9	
3958803	PulseSight Therapeutics INSERM (Institut National de la Santé et de la Recherche Médicale) Université Paris Cité Assistance Publique Hôpitaux de Paris SORBONNE UNIVERSITE	24/04/2020	3958803	20720074.2	
3959379	Robel Bahnbaumaschinen GmbH	27/03/2020	3959379	20715819.7	German
3960375	Robert Bosch GmbH	18/06/2015	3960375	21181782.0	German
3961247	Nokia Technologies Oy	24/08/2020	3961247	20192365.3	
3961346	Samsung Electronics Co., Ltd.	29/04/2020	3961346	20806510.2	
3961731	InnoLux Corporation	12/01/2021	3961731	21151240.5	
3961948	Huawei Technologies Co., Ltd.	14/06/2018	3961948	21186901.1	
3962112	PS Audio Design Oy	18/11/2015	3962112	21202167.9	
3962218	Robert Bosch GmbH	28/08/2020	3962218	20193283.7	
3962355	Fiagon GmbH	30/04/2020	3962355	20724041.7	
3962371	Medtronic, Inc.	03/05/2020	3962371	20802794.6	
3962586	Advanced Neuromodulation Systems, Inc.	10/03/2020	3962586	20798737.1	
3963170	Robertson Intellectual Properties, LLC	01/05/2020	3963170	20797649.9	
3963326	Cornell University	30/04/2020	3963326	20798349.5	
3963459	Microsoft Technology Licensing, LLC	07/04/2020	3963459	20722828.9	
3964896	Blancpain SA	08/09/2020	3964896	20195101.9	French
3965034	Rockwell Automation Technologies, Inc.	18/06/2021	3965034	21180217.8	
3965054	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	09/06/2020	3965054	20833621.4	
3965068	GOOGLE LLC	17/07/2017	3965068	21204209.7	
3965207	Samsung SDI Co., Ltd.	07/09/2020	3965207	20194891.6	
3965364	Proofpoint, Inc.	18/02/2014	3965364	21199235.9	
3965686	VERB SURGICAL INC.	13/05/2019	3965686	19928753.3	
3966113	DANIELS MANUFACTURING CORPORATION	05/05/2020	3966113	20801972.9	
3966175	Ferton Holding S.A.	03/07/2020	3966175	20734999.4	German
3966226	Bayer Aktiengesellschaft Bayer Pharma Aktiengesellschaft	30/04/2020	3966226	20723367.7	
3966274	Firestone Industrial Products Company, LLC	22/04/2020	3966274	20799529.1	
3968131	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	11/05/2020	3968131	20806291.9	
3968149	SemaLogic UG	11/09/2020	3968149	20195834.5	German
3968181	Snappi, Inc.	26/08/2016	3968181	21192470.9	
3968758	A.I. Innovations N.V.	13/05/2020	3968758	20806459.2	
3969866	Hampidjan HF.	12/05/2020	3969866	20730761.2	
3969878	Unisers Ltd	13/05/2019	3969878	19733866.8	
3970145	Senseonics, Incorporated	15/05/2020	3970145	20808790.8	
3971657	Omega SA	16/09/2020	3971657	20196483.0	French
3971984	Samsung Display Co., Ltd.	29/06/2021	3971984	21182593.0	
3972662	Fresenius Medical Care Holdings, Inc.	21/04/2020	3972662	20724371.8	

3972960	Novartis AG	20/05/2020	3972960	20729201.2	
3973465	Graphcore Limited	16/12/2020	3973465	20830153.1	
3973486	Sensormatic Electronics, LLC	18/05/2020	3973486	20730529.3	
3973633	Cisco Technology, Inc.	19/05/2020	3973633	20731322.2	
3974086	GE Vernova Technology GmbH	21/07/2021	3974086	21187044.9	
3974180	Volkswagen Aktiengesellschaft	15/09/2021	3974180	21196989.4	German
3974254	Great Wall Motor Company Limited	14/07/2020	3974254	20841068.8	
3974613	ROMA KG	25/09/2020	3974613	20198432.5	German
3975113	OMRON Corporation	23/06/2020	3975113	20836374.7	
3975336	VIVO MOBILE COMMUNICATION CO., LTD.	15/05/2020	3975336	20809305.4	
3975829	The Regents of The University of Michigan	22/05/2020	3975829	20814421.2	
3976206	Minimax Viking Patent Management GmbH	03/06/2020	3976206	20732132.4	German
3976319	Haver & Boecker OHG	20/05/2020	3976319	20731801.5	German
3976443	NSK Ltd.	29/05/2020	3976443	20742426.8	
3977349	Google LLC	28/05/2019	3977349	19730649.1	
3977358	Microsoft Technology Licensing, LLC	27/04/2020	3977358	20727750.0	
3977702	Siemens Aktiengesellschaft	24/07/2020	3977702	20754641.7	German
3977806	QUALCOMM Incorporated	07/05/2020	3977806	20815102.7	
3977855	Chemica Inc.	02/06/2020	3977855	20818468.9	
3978561	Chuetsu-Pulp and Paper Co., Ltd	26/05/2020	3978561	20815163.9	
3980513	Preem Aktiebolag	04/06/2020	3980513	20729110.5	
3981047	Northrop Grumman Systems Corporation	29/05/2020	3981047	20818385.5	
3981302	YETI Coolers, LLC	17/10/2017	3981302	21207878.6	
3982025	VOSS Fluid GmbH	04/10/2021	3982025	21000280.4	German
3982493	Self Electronics Co., Ltd. SELF ELECTRONICS Germany GmbH Lin, Wanjiong	16/08/2021	3982493	21191513.7	
3982522	AISIN CORPORATION	04/06/2020	3982522	20818704.7	
3982818	Notal Vision Ltd.	02/04/2020	3982818	20823462.5	
3984116	Politecnico Di Torino	12/06/2020	3984116	20735455.6	
3984186	Proofpoint, Inc.	02/10/2019	3984186	19791029.2	
3984863	Hübner GmbH & Co. KG	14/10/2020	3984863	20201752.1	German
3985309	LG Electronics Inc.	02/07/2021	3985309	21183332.2	
3985468	Murata Machinery, Ltd.	29/05/2020	3985468	20841638.8	
3987284	Wayne Fueling Systems LLC	18/06/2020	3987284	20735835.9	
3987465	SITA Information Networking Computing UK Limited	18/06/2019	3987465	19736783.2	
3987970	NIKE Innovate C.V.	04/01/2012	3987970	21214442.2	
3988058	L&K Biomed Co., Ltd.	17/06/2020	3988058	20825549.7	
3988423	Hitachi Rail Ltd.	19/10/2021	3988423	21203478.9	
3989302	Novald GmbH	22/10/2020	3989302	20203447.6	
3989525	Huawei Technologies Co., Ltd.	24/07/2020	3989525	20850708.7	
3989672	CHINA MOBILE COMMUNICATION CO., LTD. RESEARCH INSTITUTE China Mobile Communications Group Co., Ltd	12/06/2020	3989672	20827290.6	
3989970	PassPort Technologies, Inc.	24/06/2020	3989970	20832024.2	
3990128	Safran Aerosystems	26/06/2020	3990128	20735697.3	
3991580	Shenzhen First Union Technology Co., Ltd.	28/06/2020	3991580	20833559.6	
3991650	i-Sens, Inc.	13/03/2020	3991650	20855167.1	
3991948	PRATT & WHITNEY CANADA CORP.	02/11/2021	3991948	21206068.5	
3991992	Superior Industries International, Inc.	28/10/2021	3991992	21205311.0	
3992862	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	28/10/2020	3992862	20204239.6	
3992903	Huawei Technologies Co., Ltd.	24/06/2020	3992903	20841415.1	
3992927	JVC KENWOOD Corporation	15/04/2020	3992927	20832857.5	
3993028	Huawei Technologies Co. Ltd.	29/06/2019	3993028	19936384.7	
3994125	Regeneron Pharmaceuticals, Inc.	01/07/2020	3994125	20746791.1	
3994434	Lightmatter, Inc.	01/07/2020	3994434	20834346.7	
3994960	Signify Holding B.V.	02/07/2020	3994960	20734775.8	

3995170	DePuy Synthes Products, Inc.	05/11/2021	3995170	21206742.5	
3995385	VOLVO TRUCK CORPORATION	06/11/2020	3995385	20206233.7	
3995672	GE Vernova Technology GmbH	02/11/2021	3995672	21205945.5	
3995801	Melexis Technologies SA	10/11/2020	3995801	20206824.3	
3997384	Erattec	10/07/2020	3997384	20750708.8	French
3998391	REMIS Gesellschaft für Entwicklung und Vertrieb von technischen Elementen mbH Köln	10/01/2020	3998391	21213089.2	German
3999065	Pattern Computer, Inc.	19/06/2020	3999065	20826905.0	
3999328	Decathlon	16/07/2020	3999328	20743643.7	French
3999381	VOLVO TRUCK CORPORATION	18/06/2020	3999381	20734861.6	
3999591	Polyvalor, Société en Commandite	20/07/2020	3999591	20842958.9	
4000268	Tencent America LLC	28/04/2021	4000268	21822937.5	
4001322	Daikin Industries, Ltd.	16/07/2020	4001322	20840402.0	
4002024	General Electric Renovables España S.L.	04/11/2021	4002024	21206470.3	
4002812	FalCom A/S	17/11/2021	4002812	21208754.8	
4002891	HERE Global B.V.	12/11/2021	4002891	21207920.6	
4002927	Rockwell Collins, Inc.	16/11/2021	4002927	21208601.1	
4003367	Crescent Biopharma, Inc.	31/07/2020	4003367	20757462.5	
4003481	Texas Heart Institute Board of Regents, The University of Texas System	04/09/2020	4003481	20860114.6	
4003633	VPG Laserone LLC	27/03/2020	4003633	20718204.9	
4003713	Airbus Operations GmbH	15/07/2020	4003713	20742222.1	German
4003714	ARKEMA FRANCE	22/07/2020	4003714	20758269.3	French
4004886	Italdes S.r.l.	23/07/2020	4004886	20754027.9	
4005159	Boost SubscriberCo L.L.C.	14/07/2020	4005159	20761658.2	
4006311	RTX Corporation	25/11/2021	4006311	21210590.2	
4006900	GN Hearing A/S	23/11/2021	4006900	21209880.0	
4007158	Great Wall Motor Company Limited	13/08/2020	4007158	20858002.7	
4007362	ZTE Corporation	20/07/2020	4007362	20847310.8	
4007756	Amgen Inc.	03/08/2020	4007756	20754600.3	
4007934	Silicon Light Machines Corporation	11/03/2020	4007934	20769316.9	
4009583	Valimail Inc.	08/11/2021	4009583	21206991.8	
4009587	Google LLC	03/09/2019	4009587	22154024.8	
4009851	ALCON INC.	28/07/2020	4009851	20750767.4	
4010096	Sony Interactive Entertainment Inc.	08/07/2020	4010096	20742385.6	
4010408	Rohm and Haas Company Dow Silicones Corporation	06/08/2020	4010408	20761012.2	
4010620	Everactive, Inc.	04/08/2020	4010620	20849522.6	
4010723	Telefonaktiebolaget LM Ericsson (publ)	06/08/2019	4010723	19752470.5	
4010886	Signify Holding B.V.	04/08/2020	4010886	20746999.0	
4012128	GRANAB Förvaltning AB	08/12/2020	4012128	20212394.9	
4013758	Bristol-Myers Squibb Company	12/08/2020	4013758	20761942.0	
4014076	Micledi Microdisplays BV	17/02/2021	4014076	21710193.0	
4014388	QUALCOMM Incorporated	08/08/2020	4014388	20761058.5	
4014436	Telefonaktiebolaget LM Ericsson (publ)	06/08/2020	4014436	20753724.2	
4014463	Netflix, Inc.	14/08/2020	4014463	20764507.8	
4014652	Nokia Technologies Oy	16/08/2019	4014652	19942540.6	
4015872	Ningbo Geely Automobile Research & Development Co. Ltd. Zhejiang Geely Holding Group Co., Ltd.	18/12/2020	4015872	20215297.1	
4016704	LG ENERGY SOLUTION, LTD.	11/03/2021	4016704	21789373.4	
4016839	Intel Corporation	24/09/2021	4016839	21198817.5	
4018140	Samsung Electronics Co., Ltd.	09/02/2021	4018140	21756425.1	
4018179	Sartorius BioAnalytical Instruments, Inc.	19/08/2020	4018179	20768143.8	
4018249	Valeo Schalter und Sensoren GmbH	06/08/2020	4018249	20758125.7	
4018311	Netflix, Inc.	31/08/2020	4018311	20772476.6	
4018426	VOLVO TRUCK CORPORATION	22/08/2019	4018426	19758711.6	
4018932	Biosense Webster (Israel) Ltd.	24/12/2021	4018932	21217670.5	
4020356	INTEL Corporation	23/09/2021	4020356	21198560.1	

4021004	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	03/08/2020	4021004	20859996.9	
4022500	F. Hoffmann-La Roche AG	20/11/2020	4022500	20807782.6	
4022639	CareFusion 303, Inc.	25/08/2020	4022639	20768203.0	
4023514	Great Wall Motor Company Limited	30/07/2020	4023514	20864752.9	
4023524	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	09/06/2020	4023524	20864853.5	
4023628	LG Chem, Ltd.	20/08/2021	4023628	21854731.3	
4024162	Samsung Display Co., Ltd.	31/12/2021	4024162	21218458.4	
4025630	Université de Bordeaux Institut Polytechnique de Bordeaux Centre National de la Recherche Scientifique	03/09/2020	4025630	20764392.5	French
4025791	Artemis Intelligent Power Limited	03/09/2020	4025791	20768667.6	
4025887	Vigilent Corporation	08/09/2020	4025887	20861135.0	
4027928	VERB SURGICAL INC.	16/09/2019	4027928	19944740.0	
4028059	Cardiol Therapeutics Inc.	09/09/2019	4028059	19945356.4	
4028485	Samsung Electronics Co., Ltd	10/09/2020	4028485	20768344.2	
4029566	The University of Tokyo	11/09/2020	4029566	20863479.0	
4029720	Rockwell Automation Technologies, Inc.	12/11/2019	4029720	22158690.2	
4029805	Evesham Specialist Packaging Limited	17/01/2022	4029805	22151792.3	
4030003	Xuzhou Xcmg Excavator Machinery Co., Ltd.	11/09/2019	4030003	19944808.5	
4030737	Moxa Inc.	02/11/2021	4030737	21205922.4	
4031110	Bristol-Myers Squibb Company	18/09/2020	4031110	20781719.8	
4031232	CareFusion 303, Inc.	11/09/2020	4031232	20781657.0	
4031233	Savir GmbH	02/09/2020	4031233	20767750.1	German
4031521	ModernaTX, Inc.	18/09/2020	4031521	20786367.1	
4031633	Dow Global Technologies LLC Rohm and Haas Company	15/09/2020	4031633	20785626.1	
4031719	Flow Control LLC.	21/09/2020	4031719	20865322.0	
4031726	Wilhelm Layher Verwaltungs-GmbH	10/09/2020	4031726	20775172.8	German
4031855	Iki	16/09/2020	4031855	20774938.3	French
4032101	Centre Hospitalier Universitaire de Nice	16/09/2020	4032101	20786245.9	
4032211	QUALCOMM Incorporated	15/09/2020	4032211	20781225.6	
4033635	LG ENERGY SOLUTION, LTD.	31/08/2021	4033635	21872753.5	
4033718	Amadeus S.A.S.	22/01/2021	4033718	21305082.6	
4034192	Supira Medical, Inc.	25/09/2020	4034192	20870071.6	
4035072	Kornit Digital Ltd.	22/09/2020	4035072	20868124.7	
4035191	G.W. Lisk Company, Inc.	24/09/2020	4035191	20868444.9	
4035320	MACOM Technology Solutions Holdings, Inc.	15/09/2020	4035320	20869481.0	
4036094	The Trustees of Columbia University in the City of New York	29/04/2015	4036094	21217254.8	
4036225	S-BIOMEDICS	25/03/2020	4036225	20712429.8	
4036498	LG Electronics Inc.	29/03/2018	4036498	22158384.2	
4036699	Huawei Technologies Co., Ltd.	22/10/2020	4036699	20878844.8	
4037902	Dow Global Technologies LLC	24/09/2020	4037902	20789358.7	
4038017	ONEJOON GmbH	27/08/2020	4038017	20764349.5	German
4038158	Solventum Intellectual Properties Company	02/10/2020	4038158	20793157.7	
4038826	British Telecommunications public limited company	18/08/2020	4038826	20754291.1	
4038988	Nokia Technologies Oy	11/09/2020	4038988	20872676.0	
4039939	Honeywell International Inc.	19/01/2022	4039939	22152233.7	
4040582	LG Energy Solution, Ltd.	22/07/2021	4040582	21872686.7	
4040986	Firmenich Incorporated	08/12/2020	4040986	20838703.5	
4041611	G.C.F. Generale Costruzioni Ferroviarie S.p.A.	12/10/2020	4041611	20807859.2	
4042101	Intrinsic Innovation LLC	07/10/2020	4042101	20873490.5	
4043693	Shanghai Oriental Machine Vision&Inspection Technology Co., Ltd.	23/09/2020	4043693	20873699.1	

4043797	V-Zug AG	10/02/2021	4043797	21156310.1	German
4044024	Huawei Technologies Co., Ltd.	28/06/2020	4044024	20890139.7	
4044246	BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd.	13/05/2021	4044246	21817199.9	
4044604	Tencent Technology (Shenzhen) Company Limited	26/05/2021	4044604	21834318.4	German
4044627	Datang Mobile Communications Equipment Co., Ltd.	27/08/2020	4044627	20874679.2	
4045451	Terex Australia Pty Ltd	16/10/2020	4045451	20876644.4	
4046108	Sew-Eurodrive GmbH & Co. KG	30/09/2020	4046108	20790190.1	German
4047472	VeriSilicon Microelectronics (Shanghai) Co., Ltd. VeriSilicon Holdings Co., Ltd.	17/02/2022	4047472	22157227.4	
4048974	MBDA UK Limited	22/10/2020	4048974	20800256.8	
4049713	Cardiac Pacemakers, Inc.	23/08/2012	4049713	22167874.1	German
4049758	Bühler AG	24/02/2021	4049758	21158944.5	
4050408	Samsung Electronics Co., Ltd.	23/02/2021	4050408	21863036.6	
4050449	Ecovacs Commercial Robotics Co., Ltd.	14/09/2020	4050449	20879071.7	German
4050626	SUMIDA CORPORATION	24/02/2022	4050626	22158540.9	
4050869	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	02/06/2020	4050869	20880557.2	
4051066	Kimberly-Clark Worldwide, Inc.	31/10/2019	4051066	19950233.7	German
4051219	Kao Corporation	30/10/2020	4051219	20816091.1	
4052763	Ester Labs OÜ	01/03/2022	4052763	22159446.8	
4053057	EDS CO., Ltd. Samsung SDI Co., Ltd.	26/11/2020	4053057	20914269.4	German
4053529	Instytut Techniki Budowlanej	03/03/2021	4053529	21461520.5	
4053567	Hitachi High-Tech Corporation	29/07/2020	4053567	20880376.7	
4053625	BOE Technology Group Co., Ltd. Hefei Boe Display Technology Co., Ltd.	14/10/2020	4053625	20878032.0	German
4053647	Casio Computer Co., Ltd.	16/10/2020	4053647	20882360.9	
4053801	HONDA MOTOR CO., LTD.	12/01/2022	4053801	22151107.4	
4054451	Spine23 Inc.	06/11/2020	4054451	20816352.7	German
4054936	Bristol-Myers Squibb Company	27/10/2020	4054936	20811172.4	
4055098	Bridgestone Americas Tire Operations, LLC	05/11/2020	4055098	20883936.5	
4055228	Caterpillar Inc.	09/10/2020	4055228	20807147.2	German
4055422	3M Innovative Properties Company	29/10/2020	4055422	20886162.5	
4055606	Sandisk Technologies, Inc.	21/05/2021	4055606	21862267.8	
4057086	Rockwell Automation Technologies, Inc.	08/03/2022	4057086	22160774.0	German
4057773	Watlow Electric Manufacturing Company	10/03/2022	4057773	22161467.0	
4057927	Bolt Medical, Inc.	11/11/2020	4057927	20819998.4	
4058095	Fresenius Medical Care Deutschland GmbH	04/11/2020	4058095	20801228.6	German
4058118	Fisher & Paykel Healthcare Limited	13/11/2020	4058118	20886844.8	
4058175	Caterpillar Inc.	28/10/2020	4058175	20808584.5	
4058453	Amgen Inc.	13/11/2020	4058453	20821492.4	German
4058956	Caterpillar Inc.	11/11/2020	4058956	20820624.3	
4059915	Universal Display Corporation	23/02/2022	4059915	22158233.1	
4060235	Vaillant GmbH	18/02/2022	4060235	22157386.8	German
4060769	Panasonic Intellectual Property Management Co., Ltd.	17/09/2020	4060769	20886726.7	
4060868	ebm-papst Mulfingen GmbH & Co. KGaA & Co. KG	23/02/2022	4060868	22158161.4	
4061083	Vivo Mobile Communication Co., Ltd.	11/11/2020	4061083	20886851.3	French
4061564	AddUp	17/11/2020	4061564	20823905.3	
4062009	General Electric Renovables España, S.L.	22/11/2019	4062009	19821389.4	
4062069	Sullair, LLC	18/11/2019	4062069	19953009.8	German
4062192	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)	22/11/2019	4062192	19809436.9	
4062392	Technische Universität Hamburg TuTech Innovation GmbH	16/11/2020	4062392	20808067.1	

4062910	Cybin UK Ltd	02/06/2020	4062910	22173907.1	
4063155	BorgWarner Sweden AB	24/03/2022	4063155	22164068.3	
4063945	Nichia Corporation	24/03/2022	4063945	22164075.8	
4064079	Fujifilm Business Innovation Corp.	12/08/2021	4064079	21190961.9	
4064172	Landis+Gyr Technology, Inc.	06/09/2018	4064172	21207390.2	
4064433	SK On Co., Ltd.	22/03/2022	4064433	22163607.9	
4064758	Deutsche Telekom AG	23/03/2021	4064758	21164310.1	German
4064999	NuVera Medical, Inc.	25/11/2020	4064999	20893224.4	
4065043	Tepha, Inc.	16/11/2020	4065043	20821540.0	
4065754	ArcelorMittal	25/11/2019	4065754	19809651.3	
4066133	iStorage Limited	05/11/2020	4066133	20803633.5	
4066212	Resmed Asia Pte. Ltd.	26/11/2020	4066212	20892817.6	
4066297	NovaLed GmbH	26/11/2020	4066297	20817346.8	
4066645	Fritsch Bakery Technologies GmbH & Co. KG	11/03/2022	4066645	22161537.0	German
4066993	BIESSE S.p.A.	01/04/2022	4066993	22166391.7	
4069025	Chiron Global Technologies IP Holdco Pty Ltd	02/10/2020	4069025	20895375.2	
4069232	Suven Life Sciences Limited	02/12/2020	4069232	20829008.0	
4070027	Präzisionstechnik Volkach, Wilfried Alber, Georg Holthaus Gbr	11/09/2020	4070027	20772028.5	German
4070098	Tempus AI, Inc.	07/12/2020	4070098	20835928.1	
4070501	Microsoft Technology Licensing, LLC	06/11/2020	4070501	20816774.2	
4070591	ZTE Corporation	06/12/2019	4070591	19952183.2	
4070673	Shenzhen Smoore Technology Limited	21/10/2020	4070673	20895239.0	
4070796	Rohto Pharmaceutical Co., Ltd.	25/12/2020	4070796	20907783.3	
4070855	Kyoto Prefectural Public University Corporation	28/10/2020	4070855	20882274.2	
4073620	Medinet Co., Ltd.				
4073620	Microsoft Technology Licensing, LLC	10/11/2020	4073620	20819971.1	
4073999	ORANGE	30/11/2020	4073999	20829003.1	French
4075071	Guangdong Giwee Technology Co., Ltd.	19/04/2022	4075071	22168787.4	
4075707	Telefonaktiebolaget LM Ericsson (publ)	20/06/2012	4075707	22153196.5	
4075992	Cargill, Incorporated	09/11/2020	4075992	20812205.1	
4076149	Perfusion Tech ApS	21/12/2020	4076149	20830047.5	
4078372	Microsoft Technology Licensing, LLC	06/11/2020	4078372	20821078.1	
4078475	Microsoft Technology Licensing, LLC	05/11/2020	4078475	20819933.1	
4080834	Huawei Technologies Co., Ltd.	04/02/2021	4080834	21757493.8	
4081117	Fresenius Medical Care Holdings, Inc.	16/09/2020	4081117	20785628.7	
4081706	Caterpillar Inc.	23/11/2020	4081706	20825348.4	
4081967	nChain Licensing AG	11/12/2020	4081967	20825005.0	
4082172	Google LLC	19/04/2021	4082172	21726247.6	
4082374	Wilcox Industries Corp.	21/04/2022	4082374	22169257.7	
4083365	Grass GmbH	20/04/2022	4083365	22169020.9	German
4083503	Vaillant GmbH	29/03/2022	4083503	22164970.0	German
4083507	Vaillant GmbH	01/04/2022	4083507	22166273.7	German
4084505	Headwater Research LLC	27/01/2010	4084505	22173470.0	
4085365	Google LLC	19/03/2021	4085365	21718356.5	
4085388	Nokia Technologies Oy	18/12/2020	4085388	20835793.9	
4085453	Nokia Technologies Oy	11/12/2020	4085453	20908590.1	
4086140	VOLVO TRUCK CORPORATION	03/05/2021	4086140	21171863.0	
4086167	General Electric Company	04/11/2021	4086167	21206416.6	
4086536	Carrier Corporation	25/04/2017	4086536	22164843.9	
4086662	WAYMO LLC	27/04/2022	4086662	22170363.0	
4087012	LG Energy Solution, Ltd.	05/10/2021	4087012	21886598.8	
4087068	Airbus Helicopters	20/04/2022	4087068	22169044.9	French
4088708	Roam Robotics Inc.	29/08/2018	4088708	22181044.3	
4089026	VKR Holding A/S	12/05/2022	4089026	22173005.4	
4089082	Guangzhou Baiyunshan Pharmaceutical Holdings Co., Ltd. Baiyunshan Pharmaceutical General Factory	19/02/2021	4089082	21756247.9	
4089329	Vaillant GmbH	14/04/2022	4089329	22168448.3	German

4089553	Hangzhou Hikvision Digital Technology Co., Ltd.	31/03/2021	4089553	21778860.3	
4089661	Honeywell International Inc.	20/04/2022	4089661	22169099.3	
4089880	STMicroelectronics Ltd	09/05/2022	4089880	22172296.0	
	STMicroelectronics (Rousset) SAS				
	STMicroelectronics razvoj polprevodnikov d.o.o.				
4090856	Woolstencroft, David	11/01/2021	4090856	21700345.8	
4091340	Hahn-Schickard-Gesellschaft für angewandte Forschung e. V.	15/01/2021	4091340	21700309.4	German
4091532	FUJIFILM Corporation	07/01/2021	4091532	21741150.3	
4091698	Camfil APC GmbH	12/02/2019	4091698	22184191.9	
4092522	Renesas Electronics Corporation	05/05/2022	4092522	22171760.6	
4092569	Shenzhen Xhorse Electronics Co., Ltd	27/08/2020	4092569	20913855.1	
4092997	Apple Inc.	17/05/2022	4092997	22173718.2	
4094259	Evonik Operations GmbH	22/01/2021	4094259	21700612.1	
4094524	Nokia Technologies Oy	20/01/2020	4094524	20705589.8	
4094537	Google LLC	29/01/2021	4094537	21707119.0	
4094565	Pöttinger Landtechnik GmbH	18/03/2022	4094565	22162895.1	German
4095124	Hodogaya Chemical Co., Ltd.	20/01/2021	4095124	21744716.8	
4095526	Thermo Finnigan LLC	20/05/2022	4095526	22174687.8	
4096142	KT Corporation	30/05/2022	4096142	22305789.4	
4096190	The Bank of New York Mellon	25/05/2022	4096190	22175451.8	
4096485	DYSON TECHNOLOGY LIMITED	22/01/2021	4096485	21703505.4	
4097446	Nihon Kohden Corporation	20/01/2021	4097446	21704028.6	
4097503	Saint-Gobain Sekurit France	26/01/2021	4097503	21707325.3	French
4098411	Marel A/S	04/06/2021	4098411	21177791.7	
4098728	Henkel AG & Co. KGaA	02/06/2021	4098728	21177323.9	German
4099551	Raytheon Company	11/09/2015	4099551	22186482.0	
4099783	Huawei Technologies Co., Ltd.	13/03/2020	4099783	20923965.6	
4099792	LG ELECTRONICS INC.	05/04/2022	4099792	22758417.4	
4100033	Dailycolors Health Inc.	04/02/2021	4100033	21750338.2	
4100136	Sony Interactive Entertainment Inc.	26/01/2021	4100136	21751083.3	
4100959	Insulet Corporation	01/02/2021	4100959	21710641.8	
4101718	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	20/02/2021	4101718	21768730.0	
4102278	Largan Precision Co. Ltd.	06/10/2021	4102278	21201153.0	
4102892	Huawei Technologies Co., Ltd.	27/02/2021	4102892	21771509.3	
4103178	Amicus Therapeutics, Inc.	10/02/2021	4103178	21753606.9	
4103265	Inspire Medical Systems, Inc.	12/02/2021	4103265	21710155.9	
4105617	MITSUBISHI ELECTRIC CORPORATION	25/12/2020	4105617	20918160.1	
4106039	LG Energy Solution, Ltd.	27/10/2021	4106039	21894933.7	
4106442	Huawei Technologies Co., Ltd.	14/02/2020	4106442	20919146.9	
4106696	Alcon Inc.	10/02/2021	4106696	21705619.1	
4107357	Little Giant Ladder Systems, LLC	19/02/2021	4107357	21757056.3	
4107496	Google LLC	18/02/2021	4107496	21711131.9	
4107741	Stratocore S.A.S.	17/02/2021	4107741	21757238.7	
4107831	Aerojet Rocketdyne, Inc.	19/02/2020	4107831	20711462.0	
4107878	Huawei Technologies Co., Ltd.	19/03/2020	4107878	20712926.3	
4108011	Pozyx N.V.	19/02/2020	4108011	20706690.3	
4108064	MYCIONICS INC.	13/11/2019	4108064	22184502.7	
4109764	Panasonic Intellectual Property Management Co., Ltd.	29/01/2021	4109764	21757914.3	
4109909	Huawei Technologies Co., Ltd.	19/03/2021	4109909	21776272.3	
4110120	Philip Morris Products S.A.	25/02/2021	4110120	21706973.1	
4110439	Obrist Closures Switzerland GmbH	10/02/2021	4110439	21707626.4	
4110849	SHPP Global Technologies B.V.	26/02/2021	4110849	21710579.0	
4111592	Motorola Solutions, Inc.	28/01/2021	4111592	21706458.3	
4112455	N.M.B. Medical Applications Ltd	18/01/2017	4112455	22190847.8	
4113263	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	28/01/2021	4113263	21765069.6	

4113669	Mitsui Mining & Smelting Co., Ltd.	12/02/2021	4113669	21760515.3	
4114054	Samsung Electronics Co., Ltd.	29/03/2021	4114054	21779436.1	
4114500	B. Braun Melsungen AG	03/03/2021	4114500	21710219.3	German
4114711	BRP Megatech Industries Inc.	04/03/2020	4114711	20712044.5	
4115063	Scania CV AB	26/02/2021	4115063	21764058.0	
4115654	Stellantis Auto SAS	27/01/2021	4115654	21708273.4	French
4116037	Sanyo Machine Works, Ltd.	14/05/2021	4116037	21794697.9	
4116051	Cras NV	05/07/2022	4116051	22182964.1	
4117162	Hitachi, Ltd.	25/02/2021	4117162	21764312.1	
4117227	Huawei Technologies Co., Ltd.	10/03/2021	4117227	21780133.1	
4118985	RAI Strategic Holdings, Inc.	23/08/2019	4118985	22194173.5	
4119213	Contemporary Amperex Technology (Hong Kong) Limited	18/03/2022	4119213	22783414.0	
4119237	Kabushiki Kaisha Toshiba Toshiba Energy Systems & Solutions Corporation	09/03/2020	4119237	20919373.9	
4119254	Toyo Seikan Group Engineering Co., Ltd.	30/11/2020	4119254	20923900.3	
4119453	DAI NIPPON PRINTING CO., LTD.	03/03/2021	4119453	21768161.8	
4119458	Industrie de Thermoformage et Mecano Soudure	11/07/2022	4119458	22184042.4	French
4120104	Imprimerie Nationale	12/07/2022	4120104	22184433.5	French
4120445	Hithium Tech HK Limited	23/07/2021	4120445	21846606.8	
4120570	u-blox AG	08/07/2022	4120570	22183876.6	
4120740	Vivo Mobile Communication Co., Ltd.	16/04/2021	4120740	21788968.2	
4121251	Apex Brands, Inc.	30/03/2021	4121251	21783746.7	
4121728	Seek Thermal, Inc.	15/03/2021	4121728	21718271.6	
4121851	Aclara Technologies LLC	17/03/2021	4121851	21772228.9	
4122070	Robert Bosch GmbH	26/01/2021	4122070	21702425.6	German
4122104	Motorola Solutions, Inc.	19/02/2021	4122104	21717260.0	
4122359	De Rigo Refrigeration S.r.l.	19/07/2022	4122359	22185787.3	
4122391	Politechnika Gdanska	05/07/2022	4122391	22460032.0	
4122606	Yonwoo Co., Ltd.	23/11/2020	4122606	20925845.8	
4122904	RTX Corporation	22/07/2022	4122904	22186474.7	
4123265	Nidec Corporation	09/03/2021	4123265	21771844.4	
4123828	Huawei Technologies Co., Ltd.	25/03/2021	4123828	21793593.1	
4123910	Shenzhen Transsion Holdings Co., Ltd.	31/03/2020	4123910	20925364.0	
4123996	Al Kamel Systems, S.L.	30/06/2021	4123996	21382575.5	
4124639	Xerox Corporation	08/07/2022	4124639	22183972.3	
4124845	Levitronix GmbH	14/07/2022	4124845	22184986.2	German
4124883	STMicroelectronics S.r.l.	29/06/2022	4124883	22181791.9	
4125063	Aptiv Technologies AG	29/07/2021	4125063	21188547.0	
4125195	Chang, Li	25/07/2022	4125195	22186788.0	
4125715	Bard Shannon Limited	26/10/2020	4125715	20926623.8	
4125753	T.J.Smith and Nephew, Limited	01/04/2021	4125753	21716401.1	
4126052	Fundação GIMM - Gulbenkian Institute for Molecular Medicine Faculdade de Medicina da Universidade de Lisboa	29/03/2021	4126052	21719056.0	
4126107	Tufts Medical Center, Inc.	01/04/2021	4126107	21721695.1	
4126121	SANOFI	01/04/2021	4126121	21715654.6	
4126611	AUMOVIO Germany GmbH	25/03/2021	4126611	21718012.4	German
4127284	Kinex Bearings, A.S. Slovenská Technická Univerzita v Bratislave	01/04/2021	4127284	21730279.3	
4127711	King's College London	01/04/2021	4127711	21717181.8	
4127846	ABB SCHWEIZ AG	11/03/2021	4127846	21710305.0	
4127935	Microsoft Technology Licensing, LLC	08/02/2021	4127935	21709272.5	
4128086	ORACLE INTERNATIONAL CORPORATION	29/01/2021	4128086	21707123.2	
4128102	Liebherr-Werk Biberach GmbH	21/05/2021	4128102	21728519.6	German
4128123	Snap Inc.	24/03/2021	4128123	21780290.9	

4129044	CLAAS Selbstfahrende Erntemaschinen GmbH	14/04/2022	4129044	22168281.8	German
4129047	Deere & Company	13/07/2022	4129047	22184644.7	
4129441	Gardner Denver Ltd.	05/08/2021	4129441	21189932.3	
4130759	Analog Devices International Unlimited Company	04/07/2022	4130759	22182916.1	
4130806	Dexerials Corporation	19/03/2021	4130806	21774108.1	
4131145	Beijing Jingdong Qianshi Technology Co., Ltd.	08/06/2021	4131145	21823023.3	
4132056	KDDI Corporation	02/03/2021	4132056	21781266.8	
4132177	ORANGE	29/11/2018	4132177	22194508.2	French
4132341	Boston Scientific Scimed, Inc.	09/04/2021	4132341	21722695.0	
4132928	Disarm Therapeutics, Inc.	07/04/2021	4132928	21722644.8	
4133893	MediaTek Singapore Pte. Ltd.	20/04/2021	4133893	21793260.7	
4134047	Abbott Cardiovascular Systems Inc.	10/06/2016	4134047	22194199.0	
4135344	SUMITOMO CHEMICAL COMPANY, LIMITED	24/02/2021	4135344	21785614.5	
4135640	Shifamed Holdings, LLC	16/04/2021	4135640	21787751.3	
4137553	SK Enmove Co., Ltd. SK Innovation Co., Ltd.	05/08/2022	4137553	22189115.3	
4138002	Quantinuum LLC	18/08/2022	4138002	22191037.5	
4138144	Guangdong Zhineng Technology Co., Ltd.	08/02/2021	4138144	21787684.6	
4138310	Outdoor Wireless Networks LLC	29/06/2012	4138310	22201601.6	
4138435	GIRA GIERSEIPEN GmbH & Co. KG	18/08/2021	4138435	21191926.1	German
4138501	Vivo Mobile Communication Co., Ltd.	13/04/2021	4138501	21789318.9	
4138628	Ambu A/S	21/04/2021	4138628	21725023.2	
4138746	Johnson & Johnson Surgical Vision, Inc.	12/04/2021	4138746	21719729.2	
4139017	I R Knietics Limited	26/04/2021	4139017	21728604.6	
4140915	Murata Manufacturing Co., Ltd.	30/03/2021	4140915	21833591.7	
4141865	Ai Speech Co., Ltd.	17/11/2020	4141865	20932568.7	
4142245	Juniper Networks, Inc.	22/11/2021	4142245	21209663.0	
4142344	Apple Inc.	08/06/2022	4142344	22177770.9	
4142637	Endomagnetics Limited	18/05/2021	4142637	21727258.2	
4142892	Firesea Equipment Oy	16/02/2021	4142892	21710021.3	
4143783	OMRON Corporation	26/03/2021	4143783	21797234.8	
4144532	FUJIFILM Corporation	27/04/2021	4144532	21795401.5	
4144745	GeneMind Biosciences Company Limited	30/04/2021	4144745	21797265.2	
4144780	Wanhua Chemical Group Co., Ltd.	08/04/2022	4144780	22809633.5	
4145194	Leica Microsystems CMS GmbH	02/09/2021	4145194	21194664.5	
4145413	Integrated Design Limited	26/08/2022	4145413	22192284.2	
4145818	LG Innotek Co., Ltd.	26/04/2021	4145818	21796318.0	
4146065	Cedars-Sinai Medical Center	04/05/2021	4146065	21800738.3	
4146757	AGFA NV	26/04/2021	4146757	21721089.7	
4147372	QUALCOMM INCORPORATED	09/04/2021	4147372	21721792.6	
4147738	Fisher & Paykel Healthcare Limited	07/07/2015	4147738	22195712.9	
4147881	Sumitomo Rubber Industries, Ltd.	12/04/2021	4147881	21800451.3	
4148642	Veritaseum, Inc.	05/05/2015	4148642	22168050.7	
4148992	MediaTek Inc.	18/08/2022	4148992	22190915.3	
4150525	Flexa Inc.	07/05/2021	4150525	21803989.9	
4150838	QUALCOMM INCORPORATED	10/05/2021	4150838	21729168.1	
4150932	Sony Group Corporation	22/03/2021	4150932	21713399.0	
4151197	Harro Höfliger Verpackungsmaschinen GmbH	17/09/2021	4151197	21197557.8	German
4151868	Bolts One Co., Ltd.	30/06/2020	4151868	20935101.4	
4151937	QINGDAO HAIER SPECIAL REFRIGERATOR CO., LTD QINGDAO HAIER REFRIGERATOR CO., LTD HAIER SMART HOME CO., LTD.	12/04/2021	4151937	21792907.4	
4151944	Huawei Technologies Co., Ltd.	28/05/2021	4151944	21817356.5	
4152100	KONICA MINOLTA, INC.	14/09/2022	4152100	22195537.0	
4152102	Canon Kabushiki Kaisha	02/09/2022	4152102	22193595.0	

4152120	Beijing Sankuai Online Technology Co., Ltd.	11/05/2021	4152120	21803437.9	French
4152624	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	30/04/2021	4152624	21828479.2	
4152774	Datang Mobile Communications Equipment Co., Ltd.	22/04/2021	4152774	21803338.9	
4152876	Apple Inc.	05/09/2022	4152876	22193954.9	
4152883	Huawei Technologies Co. Ltd.	01/07/2021	4152883	21832187.5	
4152902	Sony Interactive Entertainment Inc.	11/05/2021	4152902	21803020.3	
4154036	Commissariat à l'Energie Atomique et aux Energies Alternatives	21/06/2021	4154036	21740147.0	
4154420	QUALCOMM INCORPORATED	22/04/2021	4154420	21724511.7	
4154822	Biosense Webster (Israel) Ltd.	23/09/2022	4154822	22197417.3	
4154843	Osstem Implant Co., Ltd.	18/03/2021	4154843	21808359.0	
4155236	Hai Robotics Co., Ltd.	29/06/2021	4155236	21821841.0	
4155339	SHIN-ETSU CHEMICAL CO., LTD.	12/05/2021	4155339	21807998.6	
4155494	AKA AUTOMOTIV S.R.L.	22/09/2021	4155494	21198259.0	
4155872	Petal Cloud Technology Co., Ltd.	15/06/2021	4155872	21825945.5	
4155878	TOPCON CORPORATION	19/09/2022	4155878	22196356.4	
4156056	Bull SAS	24/09/2021	4156056	21198924.9	
4156223	Rockwell Automation Switzerland GmbH	19/09/2022	4156223	22196338.2	
4156407	Samsung Electronics Co., Ltd.	04/06/2021	4156407	21817063.7	
4156414	LG Electronics Inc.	29/03/2022	4156414	22165273.8	
4157018	NIKE Innovate C.V.	19/03/2021	4157018	21718383.9	
4157590	Mitsubishi Electric Corporation	23/03/2021	4157590	21723432.7	
4158420	Carl Zeiss Vision International GmbH	19/05/2021	4158420	21727450.5	
4158642	Bayer HealthCare LLC	01/06/2021	4158642	21735518.9	
4159371	Saint-Gobain Abrasives, Inc. SAINT-GOBAIN SURFACE SOLUTIONS FRANCE	27/06/2014	4159371	22206013.9	
4159458	FUJIFILM Corporation	21/05/2021	4159458	21813150.6	
4159844	Ricoh Company, Ltd.	23/09/2022	4159844	22197578.2	
4160015	Eagle Industry Co., Ltd.	24/05/2021	4160015	21812004.6	
4160714	LG Energy Solution, Ltd.	24/05/2022	4160714	22811620.8	
4161418	ARGA' MEDTECH SA	07/06/2021	4161418	21732547.1	
4162144	Premiere, Inc.	09/06/2021	4162144	21823162.9	
4162607	Microsoft Technology Licensing, LLC	05/04/2021	4162607	21721323.0	German
4162722	Google LLC	08/06/2021	4162722	21737263.0	
4163398	Counterfog Ebt De La Uah SL San Jorge Tecnológicas SL	27/05/2021	4163398	21817441.5	
4164001	BASF Shanshan Battery Materials Co., Ltd.	29/06/2021	4164001	21838343.8	
4165335	Colder Products Company	27/05/2021	4165335	21821949.1	
4165375	VOLKSWAGEN AKTIENGESELLSCHAFT MAN Truck & Bus SE	11/06/2021	4165375	21733758.3	
4165462	Huawei Technologies Co., Ltd.	17/07/2020	4165462	20945190.5	
4166014	Shenzhen First Union Technology Co., Ltd.	16/06/2021	4166014	21826222.8	
4166028	Fast IP, LLC	21/04/2017	4166028	22213167.4	
4167025	Mikuni Electron Corporation	29/01/2021	4167025	22212464.6	
4167188	Samsung Electronics Co., Ltd.	04/08/2021	4167188	21852798.4	
4167372	LG Energy Solution, Ltd.	27/04/2022	4167372	22796123.2	
4167533	VOLKSWAGEN AG Seat, S.A.	15/10/2021	4167533	21202956.5	
4168093	L'OREAL	21/05/2021	4168093	21736396.9	
4168492	Bracco Imaging SPA	22/06/2021	4168492	21734340.9	
4168886	Google LLC	30/07/2020	4168886	20761119.5	
4169234	Bitcorp S.r.l.	15/06/2021	4169234	21743569.2	
4169351	GE Precision Healthcare LLC	08/06/2021	4169351	21826203.8	
4170045	DA AN GENE CO., LTD.	11/02/2022	4170045	22733275.6	German
4170119	Athmer OHG	20/10/2021	4170119	21203798.0	
4170483	Huawei Technologies Co., Ltd.	15/07/2021	4170483	21845835.4	

4170531	Beijing Zitiao Network Technology Co., Ltd.	08/09/2021	4170531	21868538.6	
4172644	Samsung Electronics Co., Ltd.	30/07/2021	4172644	21848603.3	
4173679	Sumitomo Rubber Industries, Ltd.	27/10/2022	4173679	22204170.9	
4175193	MediaTek Singapore Pte. Ltd.	02/11/2022	4175193	22205026.2	
4175446	Samsung Display Co., Ltd.	28/10/2022	4175446	22204534.6	
4175549	Boston Scientific Neuromodulation Corporation	29/07/2021	4175549	21756155.4	
4176595	ZTE Corporation	06/08/2020	4176595	20948406.2	
4176625	QUALCOMM Incorporated	02/07/2021	4176625	21749015.0	
4176927	Neuboron Therapy System Ltd.	02/07/2021	4176927	21831801.2	
4177052	RTX Corporation	04/11/2022	4177052	22205639.2	
4177093	Great Wall Motor Company Limited	09/08/2021	4177093	21855490.5	
4177686	Rockwell Automation Technologies, Inc.	03/11/2022	4177686	22205345.6	
4178508	Johnson & Johnson Surgical Vision, Inc.	02/07/2021	4178508	21746565.7	
4178691	Coulter Ventures, LLC	13/07/2021	4178691	21749507.6	
4179142	Schaeffler Technologies AG & Co. KG	09/06/2021	4179142	21734272.4	German
4179285	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	06/07/2021	4179285	21746078.1	French
4179689	QUALCOMM INCORPORATED	30/06/2021	4179689	21749756.9	
4179990	Covidien LP	10/11/2022	4179990	22206582.3	
4180799	PPB Technology Pty Ltd	15/04/2013	4180799	22191771.9	
4181402	Rockwell Collins, Inc.	11/11/2022	4181402	22207029.4	
4181537	Huawei Technologies Co. Ltd.	20/07/2021	4181537	21846744.7	
4181698	Filtrona Pte. Ltd.	15/07/2021	4181698	21742142.9	
4182050	Dow Global Technologies LLC	06/07/2021	4182050	21748733.9	
4182205	3M Innovative Properties Company	16/07/2021	4182205	21752759.7	German
4182541	Tenaris Connections B.V.	16/07/2021	4182541	21751991.7	
4183050	QUALCOMM INCORPORATED	09/07/2021	4183050	21751690.5	
4183112	Telefonaktiebolaget LM Ericsson (publ.)	20/07/2020	4183112	20945987.4	
4183211	Apple Inc.	23/09/2021	4183211	21899288.1	
4183379	NUNAPS INC.	16/03/2021	4183379	21842375.4	
4183466	York (Wuxi) Air Conditioning And Refrigeration Co., Ltd.	07/07/2021	4183466	21846446.9	
4184186	Johnson Controls Tyco IP Holdings LLP China Nuclear Power Operations Co., Ltd. China General Nuclear Power Corporation CGN Power Co., Ltd.	08/02/2021	4184186	21848780.9	
4184254	Patek Philippe SA Genève	17/11/2021	4184254	21208807.4	French
4184481	Rakuten Group, Inc.	29/09/2021	4184481	21923606.4	
4184688	Contemporary Amperex Technology (Hong Kong) Limited	28/09/2021	4184688	21937196.0	
4184707	LG Energy Solution, Ltd.	07/10/2021	4184707	21889400.4	
4184793	Shenzhen Moore Vaporization Health & Medical Technology Co., Ltd.	16/11/2022	4184793	22207743.0	
4184864	Nagravision Sàrl	23/11/2021	4184864	21250009.4	
4185808	Siemens Energy Global GmbH & Co. KG	12/08/2021	4185808	21762665.4	
4185814	BSH Hausgeräte GmbH	07/07/2021	4185814	21740497.9	German
4186418	Stichting IMEC Nederland	25/11/2021	4186418	21210453.3	
4187179	Qingdao Haier Refrigerator Co., Ltd Haier Smart Home Co., Ltd.	28/04/2021	4187179	21791869.7	
4187237	Nuctech Company Limited	02/07/2021	4187237	21846442.8	
4187330	The Swatch Group Research and Development Ltd	25/11/2021	4187330	21210354.3	French
4187362	Honor Device Co., Ltd.	25/05/2022	4187362	22836637.3	
4187660	Contemporary Amperex Technology (Hong Kong) Limited	29/09/2021	4187660	21936237.3	
4187691	LG Energy Solution, Ltd.	27/01/2022	4187691	22746267.8	
4187839	Disney Enterprises, Inc.	16/11/2022	4187839	22207922.0	
4187942	Huawei Technologies Co. Ltd.	01/06/2021	4187942	21853317.2	
4188185	Boston Scientific Scimed, Inc.	20/09/2021	4188185	21790050.5	
4188750	Revivermx, Inc.	01/07/2021	4188750	21848821.1	

4189404	Delta G Limited	19/07/2021	4189404	21749257.8	
4189931	Nokia Solutions and Networks Oy	03/08/2020	4189931	20753699.6	
4190919	BAOSHAN IRON & STEEL CO., LTD.	21/06/2021	4190919	21850176.5	
4191039	Hamilton Sundstrand Corporation	24/11/2022	4191039	22209487.2	
4191070	Hamilton Sundstrand Corporation	21/11/2022	4191070	22208494.9	
4191166	York Guangzhou Air Conditioning and Refrigeration Co., Ltd.	17/06/2021	4191166	21849879.8	
	Johnson Controls Tyco IP Holdings LLP				
4191663	STMicroelectronics S.r.l.	14/11/2022	4191663	22207266.2	
4192558	IBD Italian Biomedical Devices S.r.l.	30/07/2021	4192558	21762102.8	
4193852	CHINA TOBACCO YUNNAN INDUSTRIAL CO., LTD	14/06/2022	4193852	22859573.2	
4195084	BAIDU ONLINE NETWORK TECHNOLOGY (BEIJING) CO., LTD.	12/07/2021	4195084	21920540.8	
4195483	Huawei Digital Power Technologies Co., Ltd.	22/07/2021	4195483	21865702.1	
4195508	Changxin Memory Technologies, Inc.	09/02/2021	4195508	21855062.2	
4195719	Huawei Technologies Co. Ltd.	28/07/2021	4195719	21860030.2	
4195727	Huawei Technologies Co. Ltd.	31/05/2021	4195727	21865582.7	
4196236	Draeger Safety UK Limited	12/08/2021	4196236	21765598.4	
4196386	Mercedes-Benz Group AG	02/08/2021	4196386	21751578.2	German
4196740	BAE SYSTEMS plc	04/08/2021	4196740	21755033.4	
4197163	Motorola Solutions, Inc.	30/09/2020	4197163	20803991.7	
4198529	Huawei Technologies Co. Ltd.	31/08/2020	4198529	20950892.8	
4199413	AISLE SOFT CORPORATION	14/08/2020	4199413	20949546.4	
4200213	Safran Seats USA LLC	05/03/2021	4200213	21712931.1	
4200510	ConocoPhillips Company	19/08/2021	4200510	21859142.8	
4200531	Multimaterial-Welding AG	01/07/2022	4200531	22741747.4	
4200686	Hill Group Technologies Limited	23/08/2021	4200686	21786538.5	
4201185	Nanjing Chervon Industry Co., Ltd.	30/11/2022	4201185	22210422.6	
4201637	Krones AG	09/12/2022	4201637	22212485.1	German
4202302	General Electric Company	13/07/2022	4202302	22184746.0	
4202415	Viavi Solutions Inc.	25/02/2022	4202415	22158959.1	
4203735	Nicoventures Trading Limited	20/09/2021	4203735	21787016.1	
4204409	Syngenta Crop Protection AG	31/08/2021	4204409	21772750.2	
4204984	Samsung Electronics Co., Ltd.	18/08/2021	4204984	21762115.0	
4205075	Uss Veteran Services Company LLC	17/08/2021	4205075	21863008.5	
4205232	Huawei Technologies Co. Ltd.	21/09/2020	4205232	20775854.1	
4206048	Robert Bosch GmbH	13/08/2021	4206048	21762520.1	
4206540	Panasonic Intellectual Property Management Co., Ltd.	19/07/2021	4206540	21861047.5	
4206975	BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.	27/08/2021	4206975	21860504.6	
4207237	Chint Low Voltage Electrical Technology Co., Ltd.	31/03/2022	4207237	22779072.2	
4207611	Samsung Electronics Co., Ltd.	15/10/2021	4207611	21880594.3	
4207614	NXP B.V.	03/01/2022	4207614	22150087.9	
4207871	Huawei Technologies Co. Ltd.	28/09/2020	4207871	20954761.1	
4208033	Eidgenössisches Departement für Wirtschaft, Bildung und Forschung (WBF)	11/10/2021	4208033	21783032.2	
	Agroscope				
4208236	Koninklijke Philips N.V.	23/08/2021	4208236	21766605.6	
4208964	ARRIS Enterprises LLC	31/08/2021	4208964	21787518.6	
4209182	DePuy Synthes Products, Inc.	05/01/2023	4209182	23150409.3	
4209279	Toray Engineering Co., Ltd.	18/08/2021	4209279	21864110.8	
4209360	Sumitomo Rubber Industries, Ltd.	25/08/2021	4209360	21864211.4	
4210031	NTT, Inc.	16/10/2020	4210031	20957724.6	
4210167	HighGain Antenna Co., Ltd.	01/09/2021	4210167	21864649.5	
4210174	engstKabel GmbH & Co. KG	27/12/2022	4210174	22216797.5	German
4210621	3L Office Products A/S	07/09/2021	4210621	21773354.2	
4210798	ResMed Pty Ltd	07/09/2021	4210798	21865383.0	
4210818	Advanced Neuromodulation Systems, Inc.	10/09/2021	4210818	21787150.8	

4210819	The Board of Trustees of the Leland Stanford Junior University	12/10/2021	4210819	21880931.7	
4210971	Kenda Manufacturing GB Limited	13/09/2021	4210971	21778203.6	
4210998	KEIPER Seating Mechanisms Co., Ltd.	14/09/2021	4210998	21790235.2	
4211427	Saudi Arabian Oil Company	08/09/2021	4211427	21791503.2	
4211701	Sparrow Acoustics Inc. Shpak, Yaroslav Davydov, Maksim	07/09/2021	4211701	21865417.6	
4211985	Jio Platforms Limited	29/07/2022	4211985	22848805.2	
4212228	Global Morpho Pharma	15/12/2020	4212228	20953452.8	
4212555	LG CHEM, LTD.	19/09/2022	4212555	22877666.2	
4212722	FUDO GIKEN INDUSTRY CO., LTD.	10/08/2021	4212722	21866443.1	
4212897	LG Energy Solution, Ltd.	14/02/2022	4212897	22756440.8	
4213135	NTT, Inc.	16/10/2020	4213135	20957723.8	
4213209	Nexperia B.V.	12/01/2022	4213209	22151122.3	
4213258	LG Energy Solution, Ltd.	15/07/2022	4213258	22846157.0	
4213684	DYSON TECHNOLOGY LIMITED	03/09/2021	4213684	21769796.0	
4213955	Snap Inc.	17/09/2021	4213955	21790752.6	
4214580	ETA SA Manufacture Horlogère Suisse	31/08/2021	4214580	21769740.8	French
4214581	ETA SA Manufacture Horlogère Suisse	31/08/2021	4214581	21769741.6	French
4214804	Molex, LLC	20/09/2021	4214804	21868866.1	
4214998	Samsung Electronics Co., Ltd.	20/10/2021	4214998	21883259.0	
4215167	Boston Scientific Scimed, Inc.	26/02/2018	4215167	23161652.5	
4215309	AECC Shanghai Commercial Aircraft Engine Manufacturing Co., Ltd. Aecc Commercial Aircraft Engine Co., Ltd.	09/07/2021	4215309	21868240.9	
4215679	Xiamen Water Nymph Sanitary Technology Co., Ltd.	20/01/2023	4215679	23152729.2	
4215860	Viessmann Holding International GmbH	10/11/2022	4215860	22206731.6	German
4215866	Huanic Corporation	14/10/2020	4215866	20953830.5	
4215985	LG Display Co., Ltd.	25/07/2017	4215985	23161237.5	
4216660	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	31/12/2020	4216660	20957552.1	
4216672	Chemtreat, Inc.	03/09/2019	4216672	23162438.8	
4217752	Synopsys, Inc.	03/11/2021	4217752	21816588.4	
4218168	Oracle International Corporation	29/04/2021	4218168	21727651.8	
4218238	QUALCOMM Incorporated	30/08/2021	4218238	21778278.8	
4218310	QUALCOMM INCORPORATED	25/08/2021	4218310	21773235.3	
4218872	Fisher & Paykel Healthcare Limited	14/11/2013	4218872	23165064.9	
4219074	RTX Corporation	26/01/2023	4219074	23153553.5	
4219103	Mafell AG	18/01/2023	4219103	23152237.6	German
4219281	SRAM Deutschland GmbH	14/03/2018	4219281	23020162.6	German
4219934	Wobben Properties GmbH	27/01/2022	4219934	22153587.5	German
4220093	LEINE & LINDE AB	28/01/2022	4220093	22154049.5	
4220250	Huawei Technologies Co. Ltd.	21/07/2021	4220250	21881614.8	
4220308	Omega SA	27/11/2020	4220308	22209388.2	French
4220642	Kioxia Corporation	13/09/2022	4220642	22195332.6	
4221785	Insulet Corporation	28/09/2021	4221785	21801701.0	
4221949	Heraeus Covantics North America LLC	30/09/2021	4221949	21801312.6	
4222821	Amphenol-Tuchel Electronics GmbH	21/09/2021	4222821	21782504.1	German
4223095	Plantium S.A. Gentili, Jorge A.	30/09/2020	4223095	20797176.3	
4224109	Huanic Corporation	30/07/2021	4224109	21874027.2	
4224235	NIKON CORPORATION	25/08/2021	4224235	21874992.7	
4224301	Vivo Mobile Communication Co., Ltd.	26/09/2021	4224301	21874383.9	
4224390	Fujifilm Business Innovation Corp.	26/08/2022	4224390	22192300.6	
4224857	CANON KABUSHIKI KAISHA	12/09/2012	4224857	23170182.2	
4224898	Huawei Technologies Co. Ltd.	27/10/2021	4224898	21885221.8	
4225096	Nike Innovate C.V.	08/10/2021	4225096	21802118.6	
4225543	B.T. Innovation GmbH	08/10/2021	4225543	21791295.5	German
4226011	Hunter Douglas Inc.	04/10/2021	4226011	21807333.6	

4226163	Life Technologies AS	12/10/2021	4226163	21816564.5	
	Life Technologies Corporation				
	Life Technologies Holdings Pte Limited				
4226213	Université Libre de Bruxelles	08/10/2021	4226213	21789736.2	
4227149	Contemporary Ampere Technology (Hong Kong) Limited	26/04/2022	4227149	22747232.1	
4227172	ZF CV Systems Europe BV	15/02/2022	4227172	22156767.0	
4227203	SplashLight GmbH	09/02/2022	4227203	22155961.0	German
4227204	GE Energy Power Conversion Technology Ltd	24/01/2023	4227204	23153036.1	
4227465	China Three Gorges Renewables (Group) Co., Ltd.	11/11/2022	4227465	22206946.0	
	Tianjin Research Institute For Water Transport Engineering, M.O.T.				
	China Three Gorges Co., Ltd.				
	Tsinghua University				
4227475	AGB Bautechnik Aktiengesellschaft	07/02/2023	4227475	23155383.5	German
4228056	Contemporary Ampere Technology (Hong Kong) Limited	28/09/2021	4228056	21958668.2	
4228995	NPL Management Limited	29/10/2021	4228995	21810691.2	
4229544	AUMOVIO Autonomous Mobility Germany GmbH	13/10/2021	4229544	21790497.8	French
4229636	ORANGE	27/09/2021	4229636	21798075.4	French
4229757	Koninklijke Philips N.V.	26/09/2021	4229757	21783489.4	
4229853	Microsoft Technology Licensing, LLC	26/07/2021	4229853	21758499.4	
4230365	Wuhan United Imaging Healthcare Surgical Technology Co., Ltd.	17/11/2021	4230365	21893953.6	
4231069	Siemens Energy Global GmbH & Co. KG	22/02/2022	4231069	22157972.5	German
4231138	Huawei Technologies Co. Ltd.	14/10/2021	4231138	21893641.7	
4231534	Vivo Mobile Communication Co., Ltd.	18/11/2021	4231534	21896875.8	
4231621	Honor Device Co., Ltd.	06/09/2022	4231621	22857103.0	
4231714	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	19/10/2020	4231714	20957953.1	
4232319	Bambino Prezioso Switzerland AG	21/10/2021	4232319	21802002.2	
4232733	Norma EJT (Changzhou) Co. Ltd.	23/09/2021	4232733	21881816.9	
4233036	Limbs & Things Limited	20/10/2021	4233036	21805578.8	
4233124	Tesat Spacecom GmbH & Co. KG	21/10/2021	4233124	21798032.5	German
4233236	QUALCOMM INCORPORATED	20/10/2021	4233236	21806603.3	
4233413	Ofinno, LLC	21/10/2021	4233413	21811180.5	
4233457	Sony Group Corporation	23/11/2021	4233457	21816542.1	
	Sony Corporation of America				
4234293	Daikin Industries, Ltd.	16/07/2019	4234293	23169196.5	
4234322	Wunderland Switzerland AG	23/09/2020	4234322	23179998.2	
4234372	LEONI Wiring Systems Slovakia spol. s r.o.	16/02/2023	4234372	23157122.5	German
	LEONI Bordnetz-Systeme GmbH				
4234900	Thermo King LLC	28/02/2023	4234900	23158951.6	
4235418	Accenture Global Solutions Limited	07/02/2023	4235418	23155464.3	
4235614	DENSO CORPORATION	06/09/2021	4235614	21882456.3	
4236557	LG Electronics Inc.	19/10/2021	4236557	21883201.2	
4236611	Samsung Electronics Co., Ltd.	17/09/2021	4236611	23180610.0	
4236646	Google LLC	14/08/2020	4236646	23170660.7	
4236889	KCI Manufacturing Unlimited Company	11/11/2021	4236889	21811495.7	
4237036	CareFusion 303, Inc.	28/10/2021	4237036	21811639.0	
4237393	Givaudan SA	28/10/2021	4237393	21805867.5	
4237422	Rhodes Technologies	02/11/2021	4237422	21824116.4	
4237685	Ampelmann Holding B.V.	29/10/2021	4237685	21802025.3	
4237790	VISIA Imaging S.r.l.	19/10/2021	4237790	21791482.9	
4237826	Inov8 Systems Limited	18/10/2021	4237826	21798310.5	
4238442	Kellermann, Christina	08/02/2023	4238442	23155647.3	German
4238605	Intuitive Surgical Operations, Inc.	14/03/2014	4238605	23183572.9	
4238757	Amphenol-Tuchel Electronics GmbH	28/02/2023	4238757	23159045.6	German
4238842	Robert Bosch GmbH	26/01/2023	4238842	23153363.9	German

4239177	PRATT & WHITNEY CANADA CORP.	27/02/2023	4239177	23158886.4
4239822	Huawei Technologies Co. Ltd.	30/06/2021	4239822	21893394.3
4239872	Huawei Digital Power Technologies Co., Ltd.	01/09/2021	4239872	21890753.3
4240303	Toyota Motor North America, Inc.	08/11/2021	4240303	21816628.8
4240433	Elkem Silicones Shanghai Co., Ltd. Elkem Silicones France SAS	03/11/2020	4240433	20960211.9
4240457	ResMed Pty Ltd	02/11/2021	4240457	21887902.1
4240638	ArcelorMittal	04/11/2021	4240638	21802825.6
4241547	Precision Planting LLC	24/07/2017	4241547	23176323.6
4242028	Sanchez Nuñez, Luis Miguel	29/10/2021	4242028	21888733.9
4242029	Kubota Corporation	14/12/2022	4242029	22213603.8
4242137	Voloskov, Mikhail	05/10/2022	4242137	22199859.4
4242459	Cytiva Sweden AB	06/09/2018	4242459	23185010.8
4243178	Contemporary Amperex Technology (Hong Kong) Limited	05/01/2022	4243178	22877747.0
4243440	Omnibuds Ltd	09/03/2022	4243440	22160960.5
4243592	Earth Rover Limited	08/11/2021	4243592	21811480.9
4243824	Pharvaris GmbH	12/11/2021	4243824	21805547.3
4244744	Google LLC	13/09/2021	4244744	21786736.5
4245057	Juniper Networks, Inc.	16/11/2021	4245057	21835918.0
4245092	QUALCOMM Incorporated	14/10/2021	4245092	21802576.5
4245214	ASAHI INTECC CO., LTD.	11/11/2020	4245214	20961549.1
4245961	Enaex Servicios S.A.	13/11/2020	4245961	20960987.4
4246209	Microsoft Technology Licensing, LLC	26/02/2020	4246209	23190669.4
4246298	BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.	22/11/2021	4246298	21899898.7
4246530	Cardiac Pacemakers, Inc.	23/06/2016	4246530	23179244.1
4247222	Metalsistem S.p.A.	16/11/2021	4247222	21824658.5
4247247	Bard Access Systems, Inc.	24/11/2021	4247247	21827795.2
4247308	OSSUR ICELAND EHF	17/11/2021	4247308	21824213.9
4247396	Altos Labs, Inc.	19/11/2021	4247396	21827718.4
4247457	Becton, Dickinson and Company	18/11/2021	4247457	21895560.7
4247813	Amgen, Inc	19/11/2021	4247813	21827309.2
4248437	Bose Corporation	08/11/2021	4248437	21820749.6
4248630	Huawei Technologies Co. Ltd.	22/10/2021	4248630	21810205.1
4249299	Inalfa Roof Systems Group B.V.	16/03/2023	4249299	23162210.1
4249896	Hamamatsu Photonics K.K.	15/03/2023	4249896	23162045.1
4249905	ARKRAY, Inc.	17/03/2023	4249905	23162717.5
4249947	TOPCON CORPORATION	24/03/2023	4249947	23164071.5
4250251	AO Kaspersky Lab	09/12/2022	4250251	22212613.8
4250378	Micledi Microdisplays BV	24/03/2022	4250378	22164120.2
4250402	NGK Insulators, Ltd.	22/12/2020	4250402	20966851.6
4250470	Makita Corporation	12/09/2019	4250470	23191229.6
4250480	LG Electronics Inc.	09/09/2022	4250480	22194812.8
4250641	u-blox AG	22/03/2022	4250641	22163546.9
4250854	Samsung Electronics Co., Ltd.	21/03/2023	4250854	23163240.7
4251070	TVA Medical, Inc.	30/11/2020	4251070	20829423.1
4251115	Ferrosan Medical Devices A/S	29/11/2021	4251115	21815217.1
4251237	Medtrum Technologies Inc.	08/06/2021	4251237	21896267.8
4251258	Calyan Technologies, Inc.	23/11/2021	4251258	21899050.5
4251260	Calyan Technologies, Inc.	23/11/2021	4251260	21899048.9
4251806	Trumer Schutzbauten Ges.m.b.H	29/11/2021	4251806	21834735.9
4251989	Saudi Arabian Oil Company King Abdullah University of Science and Technology	30/11/2021	4251989	21831174.4
4252349	Dolby Laboratories Licensing Corporation Dolby International AB	18/11/2021	4252349	21827278.9
4252982	Dorco Co., Ltd.	08/07/2020	4252982	23188140.0
4253193	Wonderland Switzerland AG	12/08/2020	4253193	23192121.4
4253474	DMN Material Technology (Jiangsu) Limited	08/03/2022	4253474	22851567.2

German

4253855	Panasonic Intellectual Property Management Co., Ltd.	20/03/2023	4253855	23162801.7	
4254021	Datalogic IP TECH S.r.l.	28/03/2022	4254021	22164743.1	
4254072	FUJIFILM Business Innovation Corp.	31/08/2022	4254072	22193069.6	
4254075	Harry Winston SA	30/03/2022	4254075	22165358.7	French
4254341	Beijing Elex Technology Co. Ltd.	23/09/2022	4254341	22197372.0	
4254650	FUJIKURA LTD.	08/08/2022	4254650	22793625.9	
4254704	Omicron electronics GmbH	28/03/2022	4254704	22164745.6	
4255388	Kenvue Brands LLC	25/10/2021	4255388	21802011.3	
4255400	Plus Vitech, S.L.	03/12/2021	4255400	21820609.2	
4256001	Merck Patent GmbH	30/11/2021	4256001	21815538.0	
4256167	Coremax Limited	26/11/2021	4256167	21901125.1	
4256839	Nokia Solutions and Networks Oy	03/12/2021	4256839	21824546.2	
4257330	Nissei ASB Machine Co., Ltd.	30/11/2021	4257330	21900593.1	
4257774	HABAU Hoch- und Tiefbaugesellschaft m.b.H.	30/03/2022	4257774	23166042.4	German
4257790	Hydro Building Systems Lüdenscheld GmbH	03/04/2023	4257790	23166413.7	German
4257811	BYD Company Limited	21/01/2022	4257811	22762336.0	
4257971	Yokogawa Electric Corporation	04/04/2023	4257971	23166598.5	
4258337	Hitachi, Ltd.	01/09/2021	4258337	21900266.4	
4258935	3M Innovative Properties Company	22/11/2021	4258935	21902803.2	
4259939	Inficon GmbH	21/09/2021	4259939	21782676.7	German
4260280	Raytheon Company	30/11/2021	4260280	21831179.3	
4260949	LG Energy Solution, Ltd.	07/09/2022	4260949	22898790.5	
4261470	MITSUBISHI ELECTRIC CORPORATION	11/12/2020	4261470	20965168.6	
4261881	Infineon Technologies Austria AG	11/04/2022	4261881	22167633.1	
4263295	Stellantis Auto SAS	09/11/2021	4263295	21820296.8	French
4264253	Electricité de France	16/12/2021	4264253	21851617.7	French
4264460	Apple Inc.	25/01/2022	4264460	22703812.2	
4264597	Microsoft Technology Licensing, LLC	25/11/2021	4264597	21831160.3	
4265439	BRIDGESTONE CORPORATION	01/06/2021	4265439	21906023.3	
4265538	Sleade e.U.	18/04/2023	4265538	23168370.7	German
4265865	Protosafe, S.L.	05/10/2021	4265865	21877052.7	
4266006	LG Innotek Co., Ltd.	12/03/2020	4266006	23187151.8	
4266294	Shenzhen Gloshine Technology Co., Ltd.	16/04/2021	4266294	21733697.3	
4266314	Illumina, Inc.	20/04/2016	4266314	23187855.4	
4266663	Vivo Mobile Communication Co., Ltd.	10/12/2021	4266663	21905635.5	
4267629	Mondi AG	23/12/2021	4267629	21844722.5	German
4267803	Tan, Kenny Tze Ken	07/10/2021	4267803	21911635.7	
4269618	Illumina, Inc.	04/06/2019	4269618	23187488.4	
4269744	University of Washington				
4269744	Core Distribution, Inc.	23/10/2020	4269744	23194820.9	
4269809	Hitachi Industrial Products, Ltd.	27/10/2021	4269809	21908107.2	
4269949	STMicroelectronics Inc.	20/03/2023	4269949	23162780.3	
4269958	STMicroelectronics S.r.l.				
4269958	Simmonds Precision Products, Inc.	27/04/2023	4269958	23170473.5	
4270311	FUJITSU LIMITED	02/01/2023	4270311	23150023.2	
4270910	Samsung Electronics Co., Ltd.	17/02/2023	4270910	23707247.5	
4271112	LG Electronics Inc.	27/04/2023	4271112	23170377.8	
4271996	3M Innovative Properties Company	24/11/2021	4271996	21914791.5	
4272795	Lifetech Scientific (Shenzhen) Co., Ltd.	17/11/2021	4272795	21913562.1	
4272989	Robert Bosch GmbH	03/05/2022	4272989	22171250.8	
4273051	The Boeing Company	01/05/2023	4273051	23170897.5	
4273371	GE Vernova Technology GmbH	24/04/2023	4273371	23169428.2	
4273566	IMS Gear SE & Co. KGaA	03/05/2022	4273566	22171379.5	German
4273611	Envisics Ltd.	18/04/2023	4273611	23168395.4	
4273697	Samsung Electronics Co., Ltd.	25/02/2021	4273697	23197322.3	
4273829	NEC Corporation	29/03/2021	4273829	21934763.0	
4273985	LG Energy Solution, Ltd.	26/10/2022	4273985	22898864.8	
4274276	Nokia Technologies Oy	29/07/2020	4274276	23198019.4	

4274463	The Board of Trustees of the Leland Stanford Junior University	15/10/2021	4274463	21881157.8	
4274570	Università Degli Studi Di Torino Fondazione Centro San Raffaele	11/01/2022	4274570	22704423.7	
4275759	Dana-Farber Cancer Institute, Inc.	25/09/2017	4275759	23182319.6	
4276747	RTX Corporation	04/05/2023	4276747	23171695.2	
4277047	MONGUZZI & C. - DEI F.LLI MONGUZZI S.N.C.	08/05/2023	4277047	23172153.1	
4277411	LG Electronics Inc.	07/01/2022	4277411	22736881.8	
4277539	Thekkedath, Ramachandran	11/01/2022	4277539	22739230.5	
4277889	Tara Brands Europe S.L.U.	04/04/2023	4277889	23717493.3	
4278058	Schlumberger Technology B.V.	18/01/2022	4278058	22740225.2	
4278084	University of Cincinnati	14/01/2022	4278084	22740116.3	
4278141	Baltimore Aircoil Company, Inc.	14/01/2022	4278141	22704036.7	
4279766	NSK Ltd.	12/12/2022	4279766	22918776.0	
4279935	Diehl Metering GmbH	04/05/2023	4279935	23171735.6	German
4279936	Volkswagen Aktiengesellschaft	20/04/2023	4279936	23168856.5	German
4280476	Nokia Solutions and Networks Oy	17/05/2023	4280476	23173811.3	
4280583	Nokia Technologies Oy	17/05/2023	4280583	23173903.8	
4280673	Vivo Mobile Communication Co., Ltd.	07/01/2022	4280673	22738936.8	
4281147	CONMED Corporation	19/01/2022	4281147	22743056.8	
4281199	Sensorsport E.U.	21/01/2022	4281199	22702849.5	German
4281694	Danfoss Power Solutions II Technology A/S	22/01/2021	4281694	21707770.0	
4282822	Fuji Silysia Chemical Ltd.	11/01/2022	4282822	22742451.2	
4283150	Hamilton Sundstrand Corporation	24/05/2023	4283150	23175198.3	
4283160	ContiTech Deutschland GmbH	27/03/2023	4283160	23164219.0	German
4283164	Hamilton Sundstrand Corporation	17/05/2023	4283164	23173934.3	
4283267	Nexans	25/05/2022	4283267	22305780.3	
4283308	Hitachi Construction Machinery Co., Ltd.	02/08/2022	4283308	22858304.3	
4283323	NXP B.V.	23/05/2022	4283323	22174785.0	
4283340	Eagle View Technologies, Inc.	21/11/2019	4283340	23202279.8	
4285044	TechnipFMC Subsea France	31/01/2022	4285044	22702287.8	French
4285161	Institut Jean Paoli & Irene Calmettes Centre Regional de Lutte Contre le Cancer Centre National de la Recherche Scientifique Université d'Aix Marseille Institut National de la Santé et de la Recherche Médicale (INSERM)	24/01/2022	4285161	22700848.9	French
4285504	British Telecommunications public limited company	24/12/2021	4285504	21847692.7	
4285533	QUALCOMM INCORPORATED	21/01/2022	4285533	22703537.5	
4286257	Van De Wetering, Martinus Theodorus	01/06/2023	4286257	23176794.8	
4286644	Taroko Door & Window Technologies, Inc.	02/03/2021	4286644	21928448.6	
4286704	RTX Corporation	27/04/2017	4286704	23192811.0	
4287659	Starkey Laboratories, Inc.	31/05/2023	4287659	23176519.9	
4287839	Coyle, Emily Coyle, Paul	28/01/2022	4287839	22702718.2	
4287897	KT&G Corporation	07/02/2022	4287897	22750063.4	
4288728	Lowenco A/S	04/02/2022	4288728	22703406.3	
4288808	QUALCOMM INCORPORATED	29/11/2021	4288808	21835018.9	
4289158	Telefonaktiebolaget LM Ericsson (publ)	05/02/2021	4289158	21703911.4	
4289410	Lau, Chun Ho Lau, Chun Put	08/02/2022	4289410	22749268.3	
4289625	KONICA MINOLTA, INC.	04/02/2021	4289625	21924622.0	
4290278	GE Precision Healthcare LLC	22/05/2023	4290278	23174475.6	
4290320	Ypsomed AG	03/05/2018	4290320	23205754.7	
4290372	Huawei Technologies Co. Ltd.	27/02/2021	4290372	21927324.0	
4290561	Murata Machinery, Ltd.	14/01/2022	4290561	22759146.8	
4290895	Beijing Xiaomi Mobile Software Co., Ltd.	29/09/2022	4290895	22198828.0	

4291115	Baxter International Inc. BAXTER HEALTHCARE SA Mayo Foundation for Medical Education and Research	08/02/2022	4291115	22705973.0	
4292816	Fritz Kohl GmbH & Co. KG	14/08/2020	4292816	23199356.9	German
4293604	NISSAN MOTOR CO., LTD. Renault s.a.s	10/02/2021	4293604	21925538.7	
4294210	Tate & Lyle Solutions USA LLC University College Cork - National University of Ireland, Cork Agriculture and Food Development Authority (TEAGASC)	14/02/2022	4294210	22706966.3	
4294507	ZOLL Medical Corporation	15/02/2022	4294507	22756761.7	
4294564	Saudi Arabian Oil Company King Fahd University of Petroleum and Minerals	22/11/2021	4294564	21840221.2	
4294975	Card-Monroe Corporation	18/01/2022	4294975	22756675.9	
4295068	Truma Gerätetechnik GmbH & Co. KG	03/01/2022	4295068	22700217.7	German
4296644	Kistler Holding AG	26/04/2023	4296644	23170079.0	German
4296658	JEOL Ltd.	28/04/2023	4296658	23170827.2	
4296700	LG ENERGY SOLUTION, LTD.	08/02/2023	4296700	23762355.8	
4296810	WEILER Werkzeugmaschinen GmbH	20/06/2023	4296810	23180453.5	German
4296872	CrowdStrike, Inc.	21/06/2023	4296872	23180786.8	
4296946	J. MORITA MFG. CORP.	19/06/2023	4296946	23180102.8	
4297269	Huawei Digital Power Technologies Co., Ltd.	30/03/2021	4297269	21933628.6	
4297301	Softbank Corp.	28/01/2022	4297301	22755898.8	
4297807	Università Degli Studi di Pavia CELLINK Bioprinting AB	24/02/2022	4297807	22709805.0	
4297822	Innovations for Heart and Vessels Spolka z Ograniczona Odpowiedzialnoscia American Heart of Poland S.A. Centrum Materialow Polimerowych i Węglowych Polskiej Akademii Nauk BALTON Spolka z ograniczona odpowiedzialnoscia Wojskowa Akademia Techniczna Slaskie Centrum Chorob Serca W Zabrze Fundacja Rozwoju Kardiologii Im. Prof. Zbigniewa Religi Politechnika Slaska	26/02/2021	4297822	21724059.7	
4298804	Dolby Laboratories Licensing Corporation	25/02/2022	4298804	22710839.6	
4299205	Samsung SDI Co., Ltd.	30/06/2023	4299205	23182725.4	
4299496	Illinois Tool Works Inc.	26/06/2023	4299496	23181532.5	
4299631	Daikin Industries, Ltd.	28/02/2022	4299631	22759867.9	
4299899	Kim, Sangki	15/02/2022	4299899	22759962.8	
4299968	Durable Devices AB	22/06/2023	4299968	23181001.1	
4300120	Siemens Healthcare Limited	29/06/2022	4300120	22275084.6	
4300136	Autel Robotics Co., Ltd.	30/06/2023	4300136	23182802.1	
4300162	Panasonic Intellectual Property Management Co., Ltd.	29/10/2021	4300162	21928029.4	
4301194	Hilti Aktiengesellschaft	18/02/2022	4301194	22706605.7	German
4301796	Rohm and Haas Company	01/03/2022	4301796	22715222.0	
4301814	Dow Silicones Corporation	04/03/2022	4301814	22763631.3	
4302104	British Telecommunications public limited company	15/02/2022	4302104	22705544.9	
4302148	Cailabs	04/03/2022	4302148	22712968.1	French
4302295	Google LLC	05/03/2021	4302295	21716000.1	
4303140	MULTIVAC Sepp Haggenmüller SE & Co. KG	12/05/2023	4303140	23173026.8	German

4303310	C4U Corporation The University of Tokyo RIKEN	25/02/2022	4303310	22763119.9	
4303617	CPAC Systems AB	30/08/2017	4303617	23211930.5	
4304250	NTT DOCOMO, INC.	05/05/2021	4304250	23208186.9	
4304293	LG Electronics Inc.	07/03/2022	4304293	22763649.5	
4305285	Cummins Inc.	10/03/2022	4305285	22768024.6	
4305602	Detectsystem Lab A/S	09/03/2022	4305602	22713883.1	
4305795	QUALCOMM INCORPORATED	03/03/2022	4305795	22717048.7	
4306103	GI Innovation, Inc.	07/03/2022	4306103	22767446.2	
4306167	Mitochon Pharmaceuticals, Inc.	21/01/2016	4306167	23188878.5	
4306357	Hyundai Transys Inc.	19/05/2023	4306357	23174273.5	
4306358	Ningbo Baby First Baby Products Co., Ltd.	10/07/2023	4306358	23184357.4	
4308455	Safran Seats	28/02/2022	4308455	22707471.3	French
4308919	Dimetamus UG (haftungsbeschränkt)	18/03/2022	4308919	22717078.4	German
4308998	Institut Mines Telecom	16/03/2022	4308998	22715079.4	French
4309810	LG ENERGY SOLUTION, LTD.	02/09/2022	4309810	22865114.7	
4309970	SpeedInnov	19/07/2023	4309970	23186419.0	French
4310444	Samsung Electronics Co., Ltd.	11/07/2023	4310444	23184723.7	
4310604	The Swatch Group Research and Development Ltd	20/07/2022	4310604	22185892.1	French
4311639	Dorco Co., Ltd.	24/07/2023	4311639	23187149.2	
4311888	Gebr. Kemper GmbH + Co. KG	21/07/2023	4311888	23186915.7	German
4312088	Patek Philippe SA Genève	25/07/2022	4312088	22186745.0	French
4312431	CANON KABUSHIKI KAISHA	21/07/2023	4312431	23186989.2	
4313507	International Business Machines Corporation	24/03/2022	4313507	22718153.4	
4314588	Magna PT B.V. & Co. KGaA	08/03/2022	4314588	22711052.5	German
4314730	InvenSense, Inc.	30/03/2022	4314730	22719081.6	
4314957	Teknologian Tutkimuskeskus VTT OY	18/02/2022	4314957	22706876.4	
4315328	ORANGE	18/03/2022	4315328	22714494.6	French
4315805	Microsoft Technology Licensing, LLC	17/03/2022	4315805	22719387.7	
4315943	Nokia Technologies Oy	26/03/2021	4315943	21932264.1	
4316432	Wang, Lei	24/03/2021	4316432	21932096.7	
4316538	Anpoly	25/11/2021	4316538	21933384.6	
4316671	Andritz Küsters GmbH	01/08/2022	4316671	22188078.4	German
4317330	Sakata INX Corp.	22/03/2022	4317330	22780291.5	
4317593	SHANGHAI INVESTIGATION, DESIGN & RESEARCH INSTITUTE CO., LTD. China Three Gorges Corporation	26/10/2022	4317593	22925670.6	
4317821	MITSUBISHI ELECTRIC CORPORATION	28/04/2021	4317821	21939283.4	
4317920	NTT, Inc.	25/03/2021	4317920	21933078.4	
4318080	Apple Inc.	27/07/2017	4318080	23216531.6	
4318479	Illumina, Inc.	11/09/2020	4318479	23195421.5	
4319100	Schneider Electric Systems USA, Inc.	08/09/2022	4319100	22194602.3	
4319152	Tas Global Co., Ltd.	22/03/2022	4319152	22733501.5	
4319844	medmix Switzerland AG	07/04/2022	4319844	22721358.4	
4320172	Basell Poliolefine Italia S.r.l.	24/03/2022	4320172	22712007.8	
4320413	BEDIA Motorentchnik GmbH & Co. KG	25/03/2022	4320413	22718195.5	German
4320587	Koninklijke Philips N.V.	01/04/2022	4320587	22720945.9	
4321106	Stryker Corporation	30/11/2016	4321106	23218944.9	
4321184	H & B Electronic GmbH & Co. KG	23/06/2023	4321184	23181113.4	German
4321266	GPP Chemnitz Gesellschaft für Prozeßrechnerprogrammierung mbH	07/08/2023	4321266	23000109.1	German
4321376	Hyundai Transys Inc.	26/05/2023	4321376	23175616.4	
4321377	Hyundai Transys Inc.	19/06/2023	4321377	23179988.3	
4321434	The Boeing Company	03/07/2023	4321434	23182993.8	
4321681	Pratt Retail Specialties, LLC	07/11/2017	4321681	23211653.3	
4321885	LG Energy Solution, Ltd.	15/09/2022	4321885	22911510.0	
4321901	NXP B.V.	11/08/2022	4321901	22189955.2	
4322477	Nokia Technologies Oy	07/08/2023	4322477	23190025.9	

4322572	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	09/04/2021	4322572	21935617.7	
4323153	Black & Decker Inc.	29/03/2022	4323153	22720813.9	
4323654	Inter IKEA Systems B.V.	13/04/2022	4323654	22788549.8	
4323955	Brainlab SE	13/04/2021	4323955	21719103.0	
4324284	QUALCOMM INCORPORATED	11/04/2022	4324284	22722665.1	
4324434	Xothotics Limited	13/09/2022	4324434	22195474.6	
4324607	Techtronic Cordless GP	26/07/2023	4324607	23187959.4	
4324610	Buildz, LLC	07/06/2019	4324610	23211147.6	
4324710	Polaris Industries Inc.	28/03/2018	4324710	23197549.1	
4324814	mitsubishi gas chemical company, inc.	30/03/2022	4324814	22788064.8	
4325096	Maxitrol Company	21/05/2021	4325096	23219786.3	
4325203	National University Corporation Kagawa University	30/03/2022	4325203	22788070.5	
4326652	Dematic Logistics GmbH	13/04/2022	4326652	22722769.1	German
4327089	BL TECHNOLOGIES, Inc.	15/04/2022	4327089	22721585.2	
4327126	Thruwave Inc.	31/03/2022	4327126	22792183.0	
4327156	Saint-Gobain Sekurit France	09/03/2022	4327156	22711540.9	German
4327220	Microsoft Technology Licensing, LLC	02/04/2022	4327220	22719428.9	
4327706	Thermos K.K. Thermos L.L.C.	18/08/2023	4327706	23192262.6	
4327717	LEICA INSTRUMENTS (SINGAPORE) PTE. LTD.	22/08/2022	4327717	22191580.4	
4328694	TOYOTA JIDOSHA KABUSHIKI KAISHA	29/06/2023	4328694	23182436.8	
4329032	LG Energy Solution, Ltd.	08/04/2019	4329032	24151176.5	
4330559	KAMAX Holding GmbH & Co. KG	10/05/2022	4330559	22728547.5	German
4331821	The Goodyear Tire & Rubber Company	23/08/2023	4331821	23192859.9	
4331929	Airbus Operations Limited	07/03/2022	4331929	23205607.7	
4331937	Robert Bosch GmbH	22/04/2022	4331937	22725296.2	
4331938	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	19/05/2022	4331938	22810460.0	
4332130	Mitsubishi Chemical Corporation	27/04/2022	4332130	22795827.9	
4332358	Martechne GmbH	01/09/2022	4332358	22193477.1	German
4332385	Sulzer Management AG	24/08/2023	4332385	23193294.8	
4332459	Trane International Inc.	01/09/2023	4332459	23194912.4	
4332626	Airbus Operations GmbH	01/09/2022	4332626	22193569.5	
4332675	Shanghai B.L Electronics Co., Ltd. Huawei Technologies Co. Ltd.	25/02/2022	4332675	22912952.3	
4332764	Huawei Technologies Co., Ltd.	24/06/2022	4332764	22831863.0	
4332838	Huawei Technologies Co., Ltd.	18/02/2023	4332838	23794709.8	
4333167	NOK Corporation	06/01/2022	4333167	22795167.0	
4333168	Zhuhai CosMX Battery Co., Ltd.	29/07/2022	4333168	22848655.1	
4333564	ogawa, Soichi EMD Corporation Osaka Research Institute of Industrial Science and Technology	26/04/2022	4333564	22795770.1	
4333763	Arspectra Sarl	04/05/2022	4333763	22728353.8	
4334077	Heraeus Materials Singapore Pte. Ltd.	04/05/2022	4334077	22799224.5	
4334141	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	11/04/2022	4334141	22722291.6	French
4334523	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	11/04/2022	4334523	22721816.1	French
4334524	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	11/04/2022	4334524	22722292.4	French
4335310	Shenzhen Impetus Technology Co, Ltd	15/04/2023	4335310	23168143.8	
4335381	FUJIFILM Corporation	08/09/2023	4335381	23196399.2	
4335592	Goodrich Corporation	29/08/2023	4335592	23194069.3	
4335627	MULTIVAC Sepp Haggenmüller SE & Co. KG	04/08/2023	4335627	23189701.8	German
4335772	Saica Pack, S.L.	01/09/2023	4335772	23194754.0	

4336044	Samsung Electronics Co., Ltd.	13/07/2022	4336044	22858612.9	
4336088	RTL Materials Ltd	15/08/2023	4336088	23191493.8	
4336530	China Electric Power Research Institute	11/02/2022	4336530	22847810.3	
4337168	AlzeCure Pharma AB	10/05/2022	4337168	22728545.9	
4337648	Bristol-Myers Squibb Company	13/05/2022	4337648	22727681.3	
4338427	QUALCOMM INCORPORATED	09/05/2022	4338427	22726984.2	
4338580	CLAAS Selbstfahrende Erntemaschinen GmbH	20/07/2023	4338580	23186580.9	German
4338998	Robert Bosch GmbH	26/06/2023	4338998	23181501.0	German
4339092	Seo, Min Su	10/11/2021	4339092	21942064.3	
4340406	Beijing Xiaomi Mobile Software Co., Ltd.	10/05/2021	4340406	21941222.8	
4340783	COLLEGE PARK INDUSTRIES, INC.	16/05/2022	4340783	22726974.3	
4341681	Waters Technologies Corporation	09/05/2022	4341681	22726235.9	
4341753	Silmach Centre National de la Recherche Scientifique (CNRS) UNIVERSITE DE FRANCHE-COMTE	20/05/2022	4341753	22732286.4	French
4341931	Google LLC	31/01/2023	4341931	23708940.4	
4342332	CJB Global Imports, Inc.	25/09/2023	4342332	23199563.0	
4342752	Wacker Neuson Linz GmbH	17/08/2023	4342752	23191909.3	German
4342833	Huawei Technologies Co., Ltd.	24/05/2022	4342833	22827293.6	
4343482	Microtecnica S.r.l.	23/09/2022	4343482	22197580.8	
4343634	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	22/09/2022	4343634	22197087.4	German
4344135	Koninklijke Philips N.V.	29/08/2019	4344135	24150987.6	
4344470	Huawei Technologies Co., Ltd.	22/06/2022	4344470	22747174.5	
4344797	Reemooon Technology Co., Ltd.	07/05/2022	4344797	22831433.2	
4345194	Yokogawa Electric Corporation	05/06/2023	4345194	23177286.4	
4345400	EBEG GmbH	30/09/2022	4345400	22198964.3	German
4345538	Samsung Electronics Co., Ltd.	27/09/2023	4345538	23199986.3	
4346006	Samsung Electronics Co., Ltd.	02/05/2022	4346006	22855962.1	
4346413	Groundwork Bioag Ltd.	24/05/2022	4346413	22810787.6	
4346484	Out of S.r.l.	01/06/2022	4346484	22733217.8	
4347096	Hecht, Kristin	03/06/2022	4347096	22753595.2	German
4347297	OPmobility C-Power Belgium Research	27/05/2022	4347297	22730537.2	French
4347887	Ntostis, Panagiotis	30/05/2022	4347887	22729761.1	
4348050	ATLAS COPCO AIRPOWER, naamloze vennootschap	13/05/2022	4348050	22728904.8	
4348227	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	01/06/2022	4348227	22731600.7	German
4348276	THALES	20/05/2022	4348276	22729706.6	French
4348336	Microsoft Technology Licensing, LLC	10/05/2022	4348336	22726350.6	
4348423	Telefonaktiebolaget LM Ericsson (publ)	01/06/2021	4348423	21730863.4	
4348694	Mitegen, LLC	03/06/2022	4348694	22816894.4	
4349117	QUALCOMM INCORPORATED	29/05/2021	4349117	21943364.6	
4349620	Sumitomo Rubber Industries, Ltd.	21/07/2022	4349620	22875567.4	
4349625	Cooper Standard GmbH	05/10/2022	4349625	22199821.4	
4350102	Industrias Peygran, S.L.	02/06/2022	4350102	22815421.7	
4350103	Industrias Peygran, S.L.	02/06/2022	4350103	22815422.5	
4350209	Changzhou Xingyu Automotive Lighting Systems Co., Ltd.	19/10/2022	4350209	22871052.1	
4350484	Shenzhen Yinwang Intelligent Technologies Co., Ltd.	30/06/2021	4350484	21947583.7	
4350557	Huawei Technologies Co., Ltd.	13/09/2022	4350557	22869190.3	
4350983	Huawei Digital Power Technologies Co., Ltd.	30/06/2021	4350983	21947575.3	
4351331	Zasso Brasil Indústria e Comércio de Máquinas Ltda. Zasso Group AG	09/06/2021	4351331	21944459.3	
4351940	Robert Bosch GmbH	07/06/2022	4351940	22733912.4	German
4352039	Perstorp AB	11/05/2022	4352039	22820655.3	
4352333	Baker Hughes Oilfield Operations, LLC	15/03/2022	4352333	22821214.8	

4353150	Fujita Medical Instruments Co., Ltd.	09/08/2022	4353150	22940935.4	
4353527	Ningbo Baby First Baby Products Co., Ltd.	12/07/2023	4353527	23185020.7	
4353573	Mojin Robotics GmbH	11/10/2022	4353573	22200874.0	German
4353589	AMI Industries, Inc.	16/10/2023	4353589	23203848.9	
4353719	Connect Biopharma HongKong Limited	04/05/2018	4353719	24155906.1	
4354012	Yachiyo Industry Co., Ltd.	31/05/2022	4354012	22820088.7	
4354044	Brückner Maschinenbau GmbH	05/10/2023	4354044	23201791.3	German
4354808	Elmos Semiconductor SE	10/10/2023	4354808	23202861.3	German
4355176	Tarta Design S.r.l.	15/06/2022	4355176	22741005.7	
4355247	Digital Surgery Limited	14/06/2022	4355247	22734908.1	
4355251	Quantum Surgical	14/06/2022	4355251	22741337.4	French
4356003	Settima Meccanica S.R.L.	13/06/2022	4356003	22732581.8	
4356072	Texas Instruments Incorporated	13/06/2022	4356072	22738186.0	
4356408	Solzen Energy (Pty) Ltd.	13/06/2022	4356408	22824399.4	
4357825	VisEra Technologies Company Limited	21/02/2023	4357825	23157680.2	
4357832	Corephotonics Ltd.	13/02/2018	4357832	24161479.1	
4358690	C.S. Gent & Sons Ltd	14/06/2022	4358690	22730576.0	
4359162	TRUMPF Laser- und Systemtechnik SE	21/06/2022	4359162	22735866.0	German
4359693	MHWirth AS	13/05/2022	4359693	22726545.1	
4359812	Raytheon Company	02/05/2022	4359812	22724576.8	
4360102	Given Imaging Ltd.	20/06/2022	4360102	22743597.1	
4361043	PRATT & WHITNEY CANADA CORP.	31/10/2023	4361043	23207181.1	
4361044	PRATT & WHITNEY CANADA CORP.	31/10/2023	4361044	23207183.7	
4362595	Wilus Institute of Standards and Technology Inc.	22/06/2022	4362595	22828743.9	
4362600	Huawei Technologies Co. Ltd.	09/08/2019	4362600	23219018.1	
4362849	Université Grenoble Alpes Centre Hospitalier Universitaire Grenoble Alpes Institut Polytechnique de Grenoble Centre National de la Recherche Scientifique	29/06/2022	4362849	22740829.1	French
4363180	Robert Bosch GmbH	20/06/2022	4363180	22735836.3	German
4363762	Stellantis Auto SAS	06/04/2022	4363762	22722124.9	German
4363867	Infinitesima Limited	10/06/2022	4363867	22735564.1	
4364325	iBiquity Digital Corporation	30/06/2021	4364325	21751889.3	
4365080	Goodrich Lighting Systems GmbH & Co. KG	03/11/2022	4365080	22205260.7	
4365475	KAEFER SERVICIOS INDUSTRIALES S.A.U.	04/11/2022	4365475	22383062.1	
4365766	RTX Corporation	07/11/2023	4365766	23208212.3	
4366048	LG Energy Solution, Ltd.	04/01/2023	4366048	23737364.2	
4366050	LG Energy Solution, Ltd.	24/08/2022	4366050	22864951.3	
4366646	Moon Surgical SAS	01/07/2022	4366646	22738744.6	
4366956	BIKEBOTIX	10/05/2022	4366956	22727378.6	French
4367360	MH Tech AS	05/07/2022	4367360	22838094.5	
4367483	Endress+Hauser Flowtec AG	04/07/2022	4367483	22740379.7	German
4368113	GE Precision Healthcare LLC	23/10/2023	4368113	23205139.1	
4368662	SK microworks solutions Co., Ltd.	02/11/2023	4368662	23207500.2	
4369072	Samsung Electronics Co., Ltd.	07/09/2022	4369072	22892997.2	
4369121	Rockwell Automation Technologies, Inc.	09/11/2023	4369121	23208864.1	
4370084	Intex Marketing Ltd.	15/07/2022	4370084	22748458.1	
4370283	Rhefor GbR	08/07/2022	4370283	22741267.3	German
4370353	BIKEBOTIX	21/07/2022	4370353	22753728.9	French
4370404	Caterpillar Inc.	13/07/2022	4370404	22751918.8	
4370454	Newteq Holding B.V.	13/07/2022	4370454	22747771.8	
4370517	Galderma Holding SA	06/07/2022	4370517	22744836.2	
4371140	Kliem, Thomas	12/07/2022	4371140	22751298.5	German
4372167	Gablok SA	04/09/2019	4372167	24167565.1	French
4372207	RTX Corporation	20/11/2023	4372207	23210947.0	
4372301	ArcelorMittal	22/10/2018	4372301	24167210.4	

4372349	MAHA Maschinenbau Haldenwang GmbH & Co. KG	10/11/2023	4372349	23209003.5	German
4372700	Aptiv Technologies AG	18/11/2022	4372700	22208272.9	
4374367	QUALCOMM INCORPORATED	23/06/2022	4374367	22744101.1	
4374741	Vermeulen Beheer en Management B.V.	24/11/2022	4374741	22209461.7	German
4374985	Profil Verbindungstechnik GmbH & Co. KG	04/06/2019	4374985	24169125.2	German
4375189	B/E Aerospace, Inc.	28/11/2022	4375189	22210012.5	
4375678	LEM International SA	28/11/2022	4375678	22210045.5	
4376358	Palantir Technologies Inc.	27/11/2023	4376358	23212399.2	
4376581	Novald GmbH	25/11/2022	4376581	22209591.1	
4376686	Wundermix GmbH	28/07/2022	4376686	22757949.7	German
4376703	PARIS SCIENCES ET LETTRES Centre National de la Recherche Scientifique (CNRS) Institut National de la Santé et de la Recherche Médicale Assistance Publique - Hôpitaux de Paris	26/07/2022	4376703	22754418.6	
4377582	thyssenkrupp Presta AG thyssenkrupp AG	30/07/2021	4377582	21752532.8	German
4378116	Microsoft Technology Licensing, LLC	01/07/2022	4378116	22751197.9	
4378241	QUALCOMM Incorporated	21/07/2022	4378241	22753976.4	
4378314	Bayer Aktiengesellschaft	26/06/2020	4378314	24164498.8	German
4378345	The Swatch Group Research and Development Ltd	30/11/2022	4378345	22210662.7	French
4378392	ORANGE	28/11/2023	4378392	23212515.3	French
4378883	STMicroelectronics S.r.l.	02/11/2023	4378883	23207483.1	
4379104	JUKI Corporation	27/11/2023	4379104	23212245.7	
4379182	Sandvik Mining and Construction Oy	01/12/2022	4379182	22210804.5	
4379200	General Electric Company	27/11/2023	4379200	23212438.8	
4380119	Huawei Technologies Co. Ltd.	11/07/2022	4380119	22860077.1	
4380372	Wm. Wrigley Jr. Company	26/07/2022	4380372	22853710.6	
4380714	UFI Innovation Center S.r.l.	27/07/2022	4380714	22744843.8	
4381409	Johnson Controls Tyco IP Holdings LLP	01/07/2022	4381409	22748694.1	
4382556	BRIDGESTONE CORPORATION	30/06/2022	4382556	22852761.0	
4383365	Samsung SDI Co., Ltd.	28/11/2023	4383365	23212718.3	
4384081	Sure Retractors Ltd	10/08/2022	4384081	22768456.0	
4384736	Imperial College Innovations Limited	09/08/2022	4384736	22755282.5	
4385016	Silicon Storage Technology, Inc.	13/11/2021	4385016	21824157.8	
4385785	AISIN CORPORATION	21/11/2022	4385785	22898534.7	
4386363	Contemporary Amperex Technology (Hong Kong) Limited	31/03/2023	4386363	23165806.3	
4386430	Iceye Oy	16/12/2022	4386430	22214258.0	
4386531	Honor Device Co., Ltd.	29/12/2022	4386531	22952948.2	
4387322	Huawei Technologies Co. Ltd.	08/09/2022	4387322	22866706.9	
4387963	Redx Pharma Limited	15/08/2022	4387963	22761265.2	
4388404	Microsoft Technology Licensing, LLC	03/08/2022	4388404	22758621.1	
4388728	QUALCOMM INCORPORATED	08/07/2022	4388728	22748720.4	
4388836	Kojovic, Jovo	07/12/2023	4388836	23215010.2	German
4389589	Japan Hamworthy & Co., Ltd.	09/08/2022	4389589	22858378.7	
4390046	VKR Holding A/S	18/12/2023	4390046	23217798.0	
4390160	Honor Device Co., Ltd.	12/04/2023	4390160	23825901.4	
4390268	Enstall Europe B.V.	14/02/2020	4390268	24175807.7	
4390451	Hesai Technology Co., Ltd.	24/02/2022	4390451	22857222.8	
4391121	Contemporary Amperex Technology (Hong Kong) Limited	21/02/2023	4391121	23755916.6	
4391284	Nanjing Chervon Industry Co., Ltd.	21/11/2022	4391284	22897739.3	
4391436	Samsung Electronics Co., Ltd.	10/05/2019	4391436	24173998.6	
4392305	Voith Patent GmbH	19/08/2022	4392305	22768365.3	German
4392674	ATLAS COPCO AIRPOWER N.V.	26/08/2021	4392674	21772689.2	
4393118	Google LLC	22/05/2023	4393118	23731896.9	
4393424	BIOSENSE WEBSTER (ISRAEL) LTD.	27/04/2023	4393424	23170306.7	

4393618	Nanjing University of Aeronautics and Astronautics	01/02/2023	4393618	23866637.4	
4393986	JSP Corporation	28/09/2022	4393986	22880777.2	
4394166	China Nuclear Power Engineering Co., Ltd. China Nuclear Power Design Company Ltd. (Shenzhen) China General Nuclear Power Corporation CGN Power Co., Ltd.	03/08/2023	4394166	23854254.2	
4394254	GE Vernova Technology GmbH	16/06/2021	4394254	24176102.2	
4394425	Siemens Healthineers AG The General Hospital Corporation	27/12/2022	4394425	22216716.5	
4394575	Huawei Technologies Co. Ltd.	06/06/2022	4394575	22874254.0	
4395474	Japan Aviation Electronics Industry, Limited	14/11/2023	4395474	23209794.9	
4396302	Samsung Electronics Co., Ltd	31/08/2022	4396302	22769726.5	
4396736	ORACLE INTERNATIONAL CORPORATION	27/09/2021	4396736	21798200.8	
4396788	Truemed Oy	29/08/2022	4396788	22863702.1	
4396883	Green Energy Storage S.r.l.	01/09/2021	4396883	21773042.3	
4397261	Hangzhou Wknife Medical Technology Co., Ltd.	30/08/2022	4397261	22863466.3	
4397263	Biosense Webster (Israel) Ltd.	22/12/2023	4397263	23219867.1	
4397722	Kao Corporation	30/08/2022	4397722	22864551.1	
4398440	KOBELCO CONSTRUCTION MACHINERY CO., LTD.	08/07/2022	4398440	22886392.4	
4398530	Huawei Technologies Co. Ltd.	02/08/2021	4398530	24161590.5	
4398821	Vesalio, Inc.	09/09/2022	4398821	22786166.3	
4399120	Robert Bosch GmbH	25/07/2022	4399120	22757528.9	German
4399136	Semperit AG Holding	22/08/2022	4399136	22768703.5	German
4399473	Cervus Defence And Security Limited	09/09/2022	4399473	22773727.7	
4399720	Enveda Therapeutics, Inc.	07/09/2022	4399720	22806089.3	
4400074	Medit Corp.	08/09/2022	4400074	22867723.3	
4400402	BRP-Rotax GmbH & Co. KG	31/08/2022	4400402	24166966.2	
4400718	VOLVO TRUCK CORPORATION	11/01/2023	4400718	23151050.4	
4400858	QUALCOMM Incorporated	02/02/2022	4400858	24179121.9	
4401945	Alpla-Werke Alwin Lehner GMBH & Co.KG	13/09/2022	4401945	22789869.9	German
4402372	Chart Energy & Chemicals, Inc.	13/09/2022	4402372	22785848.7	
4402704	LEONI Bordnetz-Systeme GmbH	21/09/2023	4402704	23776342.0	German
4403268	Contemporary Ampere Technology (Hong Kong) Limited	10/01/2023	4403268	23752227.1	
4403382	BRIDGESTONE CORPORATION	16/05/2022	4403382	22866990.9	
4403443	Contemporary Ampere Technology (Hong Kong) Limited	27/01/2022	4403443	22922740.0	
4403470	QPR, Inc.	16/01/2024	4403470	24152183.0	
4403808	Zhejiang Dunan Artificial Environment Co., Ltd.	28/09/2022	4403808	22885570.6	
4404479	InterDigital Patent Holdings, Inc.	03/04/2019	4404479	24179169.8	
4404718	LG Display Co., Ltd.	04/09/2023	4404718	23195036.1	
4406761	Sumitomo Rubber Industries, Ltd.	15/01/2024	4406761	24151870.3	
4407163	RTX Corporation	23/11/2023	4407163	23211730.9	
4407298	Bruker Optics GmbH & Co. KG	27/01/2023	4407298	23153737.4	
4407465	Huawei Technologies Co. Ltd.	09/05/2022	4407465	22885050.9	
4407551	HONDA MOTOR CO., LTD.	28/10/2022	4407551	22887208.1	
4407569	Johnson Controls Tyco IP Holdings LLP	30/01/2024	4407569	24154568.0	
4407671	GlobalFoundries U.S. Inc.	30/08/2023	4407671	23194266.5	
4407912	Beijing Xiaomi Mobile Software Co., Ltd.	24/09/2021	4407912	21957932.3	
4407990	KT Corporation	03/08/2017	4407990	24182585.0	
4408338	Micro-Mega International	27/09/2022	4408338	22789971.3	French
4409188	Robert Bosch GmbH	26/09/2022	4409188	22797671.9	German
4409219	Benes, Miroslav	23/09/2022	4409219	22875232.5	
4409854	Forescout Technologies, Inc.	29/09/2022	4409854	22797558.8	

4410021	ZTE Corporation	30/06/2023	4410021	23866672.1	
4410356	MDSP Tech-Lab	31/01/2023	4410356	23305127.5	French
4410579	Outokumpu Oyj	01/02/2023	4410579	23154369.5	
4411288	Daikin Industries, Ltd.	31/05/2022	4411288	22875456.0	
4411779	Panasonic Intellectual Property Management Co., Ltd.	20/07/2022	4411779	22875563.3	
4412189	Locai Labs Limited	06/02/2023	4412189	23155211.8	
4412755	Commissariat à l'Energie Atomique et aux Energies Alternatives	03/10/2022	4412755	22797424.3	French
4412756	Commissariat à l'Energie Atomique et aux Energies Alternatives	03/10/2022	4412756	22797425.0	French
4412895	EXOTEK AS	11/11/2022	4412895	22839912.7	
4414161	The Goodyear Tire & Rubber Company	02/02/2024	4414161	24155629.9	
4414637	Aquasolutions AG	25/01/2024	4414637	24153966.7	German
4414674	ABB SCHWEIZ AG	10/02/2023	4414674	23155989.9	
4414679	FUJIFILM Corporation	17/01/2020	4414679	24177014.8	
4415375	IniVation AG	09/02/2023	4415375	23155864.4	
4415510	Precision Planting LLC	22/08/2022	4415510	22768957.7	
4415914	Reishauer AG	06/10/2022	4415914	22800221.8	German
4415958	Continental Reifen Deutschland GmbH	10/10/2022	4415958	22793106.0	German
4416063	Krones Aktiengesellschaft	13/09/2022	4416063	22769752.1	German
4416087	Schulte Strathaus GmbH & Co. KG	11/10/2022	4416087	22800666.4	German
	Fördertechnik Dichtungssysteme				
4416397	A. Raymond & Cie	10/10/2022	4416397	22802669.6	French
4416419	Klaver, Gijsbert	12/10/2022	4416419	22789711.3	
4416868	Huawei Technologies Co. Ltd.	21/01/2022	4416868	22894086.2	
4417443	Snap-on Equipment S.r.l. A Unico Socio	25/04/2017	4417443	24167483.7	
4417451	Deere & Company	19/01/2022	4417451	24180479.8	German
4417750	Flooring Technologies Ltd.	17/02/2023	4417750	23157363.5	German
4418952	Mestemacher Innovation GmbH	08/12/2022	4418952	22865893.6	German
4418969	BRITA SE	26/09/2022	4418969	22808596.5	
4419189	i-Lumen Scientific, Inc.	17/11/2022	4419189	22896495.3	
4419410	Wonderland Switzerland AG	21/10/2022	4419410	22808748.2	
4419420	Safran Seats	19/10/2022	4419420	22789243.7	French
4419767	Holzturn GmbH	07/10/2022	4419767	22800243.2	German
4419780	UFI Innovation Center S.r.l.	12/10/2022	4419780	22790074.3	
4419856	Commissariat à l'Energie Atomique et aux Energies Alternatives	12/10/2022	4419856	22802089.7	French
	Airbus Defence and Space SAS				
4420552	BIWI S.A.	27/02/2023	4420552	23158730.4	French
4420899	BRIDGESTONE CORPORATION	19/07/2022	4420899	24169333.2	
4421263	Weinor GmbH & Co. KG	23/02/2023	4421263	23158274.3	German
4421285	SCHÜCO International KG	22/02/2024	4421285	24159177.5	German
4421404	Gerdes Holding GmbH & Co. KG	22/02/2023	4421404	23158041.6	German
4421963	LG Energy Solution, Ltd.	15/09/2023	4421963	23872896.8	
4422344	LG Electronics Inc.	25/08/2021	4422344	24188213.3	
4422374	Samsung Display Co., Ltd.	13/02/2024	4422374	24157475.5	
4422726	Cook Medical Technologies, LLC	18/10/2022	4422726	22802397.4	
4424264	RIVERFIELD Inc.	27/05/2022	4424264	22886370.0	
4424392	Skis Rossignol	29/02/2024	4424392	24160508.8	French
4424502	The Boeing Company	15/01/2024	4424502	24151905.7	
4424563	ZF Commercial Vehicle Systems (Qingdao) Co., Ltd.	28/02/2024	4424563	24160368.7	
4424803	Valvoline Licensing and Intellectual Property LLC	13/08/2020	4424803	24189123.3	
4424804	Valvoline Licensing and Intellectual Property, LLC	13/08/2020	4424804	24189124.1	
4424968	SCHÜCO International KG	26/02/2024	4424968	24159759.0	German
4425235	IDEXX Laboratories, Inc.	15/06/2021	4425235	24180081.2	
4425307	Honor Device Co., Ltd.	06/05/2023	4425307	23822828.2	
4425896	New H3C Technologies Co., Ltd.	19/07/2022	4425896	22951453.4	
4426213	Bard Access Systems, Inc.	07/11/2022	4426213	22826258.0	

4426215	Warsaw Orthopedic, Inc.	31/10/2022	4426215	22802271.1	
4426246	Salts Healthcare Limited	04/11/2022	4426246	22803053.2	
4426247	Salts Healthcare Limited	04/11/2022	4426247	22803054.0	
4426422	Boston Scientific Neuromodulation Corporation	04/11/2022	4426422	22823185.8	
4426449	Boxco SAS	03/11/2022	4426449	22803074.8	
4426644	POLITECHNIKA WARSZAWSKA Uniwersytet Im. Adama Mickiewicza W Poznaniu	26/05/2023	4426644	23738574.5	
4426913	Conocophillips Company	02/11/2022	4426913	22890997.4	
4427108	Caterpillar Inc.	01/11/2022	4427108	22830633.8	
4427778	Juul Labs, Inc.	31/07/2019	4427778	24189958.2	
4427864	Progress Maschinen & Automation AG	09/03/2023	4427864	23160908.2	German
4428234	Karius, Inc.	20/11/2019	4428234	24186514.6	
4428246	10X Genomics, Inc.	13/04/2022	4428246	24185912.3	
4428347	RTX Corporation	30/01/2024	4428347	24154827.0	
4428917	Advanced Technical Ceramics Company	11/03/2024	4428917	24162631.6	
4428977	LG Energy Solution, Ltd.	19/06/2020	4428977	24191187.4	
4429297	Nokia Technologies Oy	04/03/2024	4429297	24161130.0	
4429543	Manina Medtech, S.L. Fundació Hospital Universitari Vall d'Hebron - Institut de Recerca	11/11/2022	4429543	22821317.9	
4429553	Koninklijke Philips N.V.	27/10/2022	4429553	22813122.3	
4429831	Wacker Chemie AG	24/10/2022	4429831	22809680.6	German
4429939	The Cycle Group	20/01/2022	4429939	22703512.8	
4429982	Siempharma S.r.l.	07/11/2022	4429982	22802729.8	
4430937	KUBOTA CORPORATION	12/03/2024	4430937	24162987.2	
4431238	Subaru Corporation	28/02/2024	4431238	24160134.3	
4431310	BRIDGESTONE CORPORATION	17/06/2022	4431310	22892330.6	
4431405	Airbus Defence and Space GmbH	13/03/2023	4431405	23161460.3	German
4431541	mitsubishi gas chemical COMPANY, INC.	16/09/2022	4431541	22892414.8	
4431718	RTX Corporation	15/01/2024	4431718	24151944.6	
4431849	QINGDAO HAIER REFRIGERATOR CO., LTD. HAIER SMART HOME CO., LTD.	02/11/2022	4431849	22889322.8	
4432105	Samsung Electronics Co., Ltd.	13/03/2024	4432105	24163275.1	
4432257	Honor Device Co., Ltd.	09/05/2020	4432257	24170918.7	
4432584	mitsubishi electric CORPORATION	15/02/2022	4432584	22926949.3	
4433306	Stratasys, Inc.	09/11/2022	4433306	22817177.3	
4433339	VOLVO TRUCK CORPORATION	17/11/2021	4433339	21819054.4	
4433547	Sicpa Holding SA	11/11/2022	4433547	22830134.7	
4433572	Insphero AG	17/11/2022	4433572	22818671.4	
4433686	ConocoPhillips Company	17/11/2022	4433686	22896728.7	
4433815	PCM Srl Socio Unico	14/11/2022	4433815	22818115.2	
4434308	International Business Machines Corporation	09/11/2022	4434308	22809523.8	
4434397	Wire Master Industry Co., Ltd.	24/03/2023	4434397	23163904.8	
4434684	Black & Decker, Inc.	21/03/2023	4434684	23163288.6	
4435192	Corradi e Ghisolfi Srl	18/03/2024	4435192	24164256.0	
4435346	SKK - Manufacturing, S.A.	24/03/2023	4435346	23164055.8	
4435394	TUBACEX INNOVATION, S.L.	23/03/2023	4435394	23382271.7	
4435704	Assurant, Inc.	30/10/2020	4435704	24194056.8	
4436089	Wilus Institute of Standards and Technology Inc.	09/11/2020	4436089	24194078.2	
4436090	Wilus Institute of Standards and Technology Inc.	09/11/2020	4436090	24194088.1	
4436124	ZTE Corporation	09/10/2022	4436124	22906019.9	
4436350	Julius-Maximilians-Universität Würzburg	20/03/2023	4436350	23162996.5	
4437038	3M Innovative Properties Company	02/11/2022	4437038	22818109.5	
4437203	Winkelmann Foundation Screw Sp. z o.o.	22/11/2022	4437203	22821939.0	German

4437651	Qorvo US, Inc.	18/11/2022	4437651	22834813.2	
4437960	Sol-Millennium Swiss R&D Center SA	04/03/2024	4437960	24161152.4	
4438215	Commissariat à l'Energie Atomique et aux Energies Alternatives	26/03/2024	4438215	24166439.0	French
4438218	Commissariat à l'Energie Atomique et aux Energies Alternatives	26/03/2024	4438218	24166436.6	French
4438309	Ricoh Company, Ltd.	26/03/2024	4438309	24166157.8	
4438518	Torrent Innova, S.L.	23/11/2021	4438518	21848159.6	
4438851	Weatherford Technology Holdings, LLC	20/01/2022	4438851	24195069.0	
4438948	GE Vernova Technology GmbH	31/03/2023	4438948	23166204.0	
4438949	GE Vernova Technology GmbH	13/03/2024	4438949	24163367.6	
4438965	Guangdong Carrier Heating, Ventilation And Air Conditioning Co., Ltd.	28/03/2024	4438965	24167442.3	
4439382	Honor Device Co., Ltd.	21/08/2023	4439382	23864550.1	
4440087	Honor Device Co., Ltd.	26/04/2022	4440087	24172400.4	
4440939	Sidel Participations	17/11/2022	4440939	22818034.5	
4441646	Microsoft Technology Licensing, LLC	01/11/2022	4441646	22818954.4	
4441697	Dolby Laboratories Licensing Corporation	01/11/2022	4441697	22823656.8	
4441813	Syensqo Specialty Polymers Italy S.p.A.	25/11/2022	4441813	22822460.6	
4441858	AMPACIMON SA	25/11/2022	4441858	22822111.5	
4442379	Primetals Technologies Germany GmbH	03/04/2023	4442379	23166329.5	German
4442431	MULTIVAC Sepp Haggenmüller SE & Co. KG	13/03/2024	4442431	24163145.6	German
4443023	ArvinMeritor Technology, LLC	19/02/2024	4443023	24158385.5	
4443365	Clover Network, LLC	24/07/2020	4443365	24195944.4	
4444206	Medtronic Europe Sàrl	25/11/2022	4444206	22822405.1	
4444587	Stellantis Auto SAS	04/11/2022	4444587	22834673.0	French
4444674	Semiconductor Components Industries, LLC	29/09/2023	4444674	23800670.4	
4444800	Henkel AG & Co. KGaA	25/10/2022	4444800	22813094.4	
4445393	Electricité de France Institut Polytechnique de Grenoble Université Grenoble Alpes Centre National de la Recherche Scientifique (CNRS)	06/12/2022	4445393	22839406.0	French
4445997	Shangshui Smartech Ltd.	26/03/2024	4445997	24166570.2	
4446896	Snap Inc.	14/09/2020	4446896	24196485.7	
4446980	Samsung SDI Co., Ltd.	07/11/2023	4446980	23208117.4	
4447613	Japan Tobacco Inc.	23/04/2019	4447613	24189727.1	
4448361	Stellantis Auto SAS	16/11/2022	4448361	22813682.6	French
4448407	PRODUCTOS SOLUBLES S.A.	14/12/2022	4448407	22839226.2	
4449569	CMP Products Limited	26/09/2023	4449569	23772909.0	
4450047	Artsana S.p.A.	26/03/2024	4450047	24166159.4	
4450197	Klingelberg GmbH	20/04/2023	4450197	23169043.9	German
4450342	Sany Automobile Manufacturing Co., Ltd.	13/01/2023	4450342	23742797.6	
4450357	Bode - Die Tür GmbH	05/03/2024	4450357	24161534.3	German
4450359	Siemens Mobility GmbH	18/04/2024	4450359	24171098.7	German
4450377	HL Mando Corporation	28/06/2023	4450377	23181999.6	
4450870	Polidoro S.p.A.	05/02/2021	4450870	24187758.8	
4451211	FUJITSU LIMITED	09/04/2024	4451211	24169173.2	
4452203	L'OREAL	21/12/2022	4452203	22843305.8	
4452233	Omrix Biopharmaceuticals Ltd.	20/12/2022	4452233	22843886.7	
4452712	Brembo S.p.A.	09/12/2022	4452712	22836327.1	
4455168	CHT Turkey Kimya Sanayi ve Ticaret A.S.	28/04/2023	4455168	23170702.7	
4455744	Commissariat à l'Energie Atomique et aux Energies Alternatives	26/04/2024	4455744	24172755.1	French
4455746	GlobalFoundries U.S. Inc.	27/09/2023	4455746	23199991.3	
4455757	Coretronic Corporation	23/04/2024	4455757	24171889.9	
4456436	Samsung Electronics Co., Ltd.	28/03/2024	4456436	24167744.2	
4457063	ANYbotics AG	01/02/2022	4457063	22708389.6	
	Petroliaam Nasional Berhad (Petronas)				
4457818	Illumina, Inc.	28/12/2022	4457818	22854642.0	

4458350	Translate Bio, Inc.	08/06/2012	4458350	24197314.8	
4458630	ZF CV Systems Global GmbH	02/05/2023	4458630	23171078.1	
4458665	Volvo Penta Corporation	02/05/2023	4458665	23171044.3	
4458771	National Institute of Technology	20/03/2023	4458771	23774842.1	
4459243	Renaissance Energy Research Corporation				
4459243	WIPOTEC GmbH	02/05/2024	4459243	24173719.6	German
4459267	Lely Patent N.V.	19/09/2019	4459267	24194585.6	
4459493	STMicroelectronics International N.V.	26/04/2024	4459493	24172620.7	French
4459856	Sineng Electric Co., Ltd.	20/04/2023	4459856	23772741.7	
4460004	LG Electronics Inc.	31/08/2020	4460004	24201515.4	
4460242	Cohere Medical, Inc.	08/12/2022	4460242	22826436.2	
4460385	Universal City Studios LLC	04/01/2023	4460385	23705104.0	
4460695	Sophion Bioscience A/S	09/01/2023	4460695	23700486.6	
4460765	Xilinx, Inc.	11/08/2022	4460765	22765970.3	
4461022	Boost SubscriberCo L.L.C.	06/01/2023	4461022	23704022.5	
4461907	Securemme S.r.L.	07/05/2024	4461907	24174499.4	
4461946	PRATT & WHITNEY CANADA CORP.	13/05/2024	4461946	24175553.7	
4462002	R.P.E. S.r.l.	09/06/2022	4462002	24202802.5	
4462113	Infineon Technologies AG	11/05/2023	4462113	23172888.2	
4462362	The Boeing Company	22/04/2024	4462362	24171550.7	
4463345	Stellantis Auto SAS	21/11/2022	4463345	22826138.4	French
4463494	DDP Specialty Electronic Materials US, LLC	06/01/2023	4463494	23703954.0	
4463501	Covestro Deutschland AG	10/01/2023	4463501	23700507.9	
4463502	Covestro Deutschland AG	10/01/2023	4463502	23700508.7	
4463503	Covestro Deutschland AG	10/01/2023	4463503	23701242.2	
4463589	Texol S.R.L.	12/01/2023	4463589	23703312.1	
4463621	Safran Helicopter Engines	02/01/2023	4463621	23703257.8	French
4463860	Yangtze Memory Technologies Co., Ltd.	14/02/2023	4463860	23708143.5	
4463991	Telefonaktiebolaget LM Ericsson (publ)	21/07/2022	4463991	22748474.8	
4464446	Kobelco E&M Co., Ltd.	12/01/2022	4464446	22920198.3	
4464502	Imacreate Co., Ltd.				
4464502	KHS GmbH	24/04/2024	4464502	24172063.0	German
4464607	Tetra Laval Holdings & Finance S.A.	10/05/2024	4464607	24175088.4	
4464652	MBF S.p.A.	28/03/2024	4464652	24167168.4	
4464655	Commissariat à l'Energie Atomique et aux Energies Alternatives	28/12/2023	4464655	23220621.9	French
4464927	Tatsuno Corporation	08/05/2024	4464927	24174694.0	
4465232	Angel Playing Cards Co., Ltd.	02/08/2016	4465232	24202758.9	
4465609	Ciena Corporation	18/01/2024	4465609	24152709.2	
4466428	Volley Automation, Inc.	01/03/2023	4466428	23711880.7	
4466547	Siemens Aktiengesellschaft	14/04/2023	4466547	23719749.6	German
4466548	Stellantis Auto SAS	21/11/2022	4466548	22826141.8	French
4466921	Huawei Technologies Co., Ltd.	02/03/2022	4466921	22929271.9	
4467255	LA FARGA YOURCOPPERSOLUTIONS, S.A.	23/05/2023	4467255	23382479.6	
4467395	Thule Sweden AB	22/05/2023	4467395	23174538.1	
4467406	Robert Bosch GmbH	22/04/2022	4467406	24183670.9	
4467749	AUD INNOV	05/04/2024	4467749	24168812.6	French
4468646	Altera Corporation	13/12/2023	4468646	23216252.9	
4468974	Boston Scientific Scimed, Inc.	14/02/2023	4468974	23711352.7	
4469170	Speedo International Limited	26/01/2023	4469170	23702324.7	
4469276	Dow Global Technologies LLC	25/01/2023	4469276	23706263.3	
4469852	Saint-Gobain Sekurit France	07/12/2022	4469852	22830836.7	German
4469853	Dispelix Oy	05/01/2023	4469853	23700233.2	
4470198	Nokia Technologies Oy	27/01/2022	4470198	22705368.3	
4470407	Hoji Unlimited Solutions Ltd.	02/06/2023	4470407	23176903.5	
4470435	Dollnig, Günther	17/05/2024	4470435	24176622.9	German
4470722	PRATT & WHITNEY CANADA CORP.	30/05/2024	4470722	24179126.8	
4470752	Sidel Participations	14/05/2024	4470752	24175704.6	French
4470846	Takler S.r.l.	16/05/2024	4470846	24176262.4	
4470861	Deere & Company	31/05/2023	4470861	23176340.0	

4471455	Magna Electronics Sweden AB	01/06/2023	4471455	23176715.3	
4471504	CANON KABUSHIKI KAISHA	28/05/2024	4471504	24178612.8	
4471509	ETA SA Manufacture Horlogère Suisse	22/03/2024	4471509	24165649.5	French
4472760	Iris Tech, Inc.	18/10/2022	4472760	22919174.7	
4473029	Hilti Aktiengesellschaft	25/01/2023	4473029	23701743.9	German
4473415	Microsoft Technology Licensing, LLC	23/11/2022	4473415	22830047.1	
4473547	Vimar S.p.A.	31/01/2023	4473547	23706094.2	
4473814	Kuhn-Huard S.A.S	06/06/2024	4473814	24180461.6	French
4473822	Deere & Company	21/05/2024	4473822	24176939.7	
4474046	Uniwersytet Mikolaja Kopernika w Toruniu Politechnika Gdanska	28/03/2024	4474046	24020095.6	
4474170	The Goodyear Tire & Rubber Company	29/05/2024	4474170	24178774.6	
4475339	Hiroshima University	17/02/2023	4475339	23759888.3	
4475441	Caelus Technologies Limited	26/09/2023	4475441	23199579.6	
4475655	Bruker Switzerland AG	05/06/2023	4475655	23177401.9	
4476056	SAFRAN AIRCRAFT ENGINES	01/02/2023	4476056	23706418.3	French
4476135	Safran Landing Systems	08/02/2023	4476135	23708701.0	French
4476502	ABB Schweiz AG	09/02/2022	4476502	22708460.5	
4476503	ABB Schweiz AG	09/02/2022	4476503	22709219.4	
4476800	ams-OSRAM International GmbH	18/01/2023	4476800	23701333.9	
4477171	Biosense Webster (Israel) Ltd.	30/09/2020	4477171	24202982.5	
4477678	ITS Water Group SA	13/06/2023	4477678	23179042.9	
4477995	Carl Zeiss Industrielle Messtechnik GmbH	13/06/2023	4477995	23179016.3	German
4478180	SAGEMCOM ENERGY & TELECOM SAS	10/06/2024	4478180	24181216.3	French
4478207	Beijing Volcano Engine Technology Co., Ltd.	21/05/2024	4478207	24177040.3	
4478536	LG Electronics Inc.	07/02/2022	4478536	22925058.4	
4478738	VIVO MOBILE COMMUNICATION CO., LTD.	09/02/2023	4478738	23752390.7	
4478982	Bussmedical AG	30/01/2023	4478982	23701807.2	
4479271	Magna Seating Inc.	04/04/2023	4479271	23721218.8	
4479575	Safran Landing Systems Safran Ceramics	16/02/2023	4479575	23708849.7	French
4479779	INFN - Istituto Nazionale di Fisica Nucleare	26/01/2023	4479779	23706845.7	
4480191	HI - TECH SOLUTIONS S.R.L.	16/02/2023	4480191	23706452.2	
4480287	Silicon Storage Technology Inc.	18/05/2022	4480287	22731866.4	
4480324	NISSHA CO., LTD.	18/04/2023	4480324	23845925.9	
4480650	Freund Maschinenfabrik GmbH & Co. KG	17/06/2024	4480650	24182660.1	German
4480900	NXP USA, Inc.	06/06/2024	4480900	24180543.1	
4481025	The Procter & Gamble Company	13/12/2023	4481025	23216137.2	
4482578	Corteria Pharmaceuticals	21/02/2023	4482578	23705580.1	
4482913	Merck Patent GmbH	20/02/2023	4482913	23705036.4	German
4482989	Hs-Tumbler GmbH	24/02/2023	4482989	23708193.0	German
4483461	MJR CONTROLS LIMITED	23/02/2023	4483461	23708538.6	
4483885	Shenzhen Antiv Pharma Co., Ltd.	04/04/2023	4483885	23784278.6	
4483932	Hamilton Medical AG	26/08/2021	4483932	24211884.2	German
4484055	Robert Bosch GmbH	18/05/2020	4484055	24193466.0	German
4484225	SMRC Automotive Holdings Netherlands B.V.	19/06/2024	4484225	24183117.1	French
4484526	Sverion AB	29/06/2023	4484526	23182298.2	
4484874	Kelvion PHE GmbH	25/06/2024	4484874	24184271.5	German
4485258	Tata Consultancy Services Limited	14/06/2024	4485258	24182251.9	
4485531	INTEL Corporation	28/11/2023	4485531	23212791.0	
4485834	Wilus Institute of Standards and Technology Inc.	15/02/2021	4485834	24212664.7	
4486265	Coloplast A/S	28/02/2023	4486265	23710214.0	
4486550	Ocado Innovation Limited	01/03/2023	4486550	23709360.4	
4486601	VOLKSWAGEN AKTIENGESELLSCHAFT	31/01/2023	4486601	23702792.5	German
4487009	Schaeffler Technologies AG & Co. KG	03/03/2023	4487009	23709651.6	German

4487025	VALEO EMBRAYAGES	20/02/2023	4487025	23706577.6	French
4487734	Uniwersytet Zielonogórski	05/07/2023	4487734	23461620.9	
4489159	Prime Planet Energy & Solutions, Inc.	29/05/2024	4489159	24178755.5	
4489426	Nokia Solutions and Networks Oy	04/07/2023	4489426	23183366.6	
4489592	Xampla Limited	08/03/2023	4489592	23710703.2	
4489845	Novocure GmbH	31/03/2023	4489845	23719487.3	
4490340	Robert Bosch GmbH	06/02/2023	4490340	23704082.9	German
4490407	Fast & Fluid Management B.V.	08/03/2023	4490407	23710302.3	
4490586	Stellantis Auto SAS	02/02/2023	4490586	23707130.3	French
4490781	Silicon Storage Technology Inc.	13/06/2022	4490781	22738214.0	
4491524	Tetra Laval Holdings & Finance S.A.	25/06/2024	4491524	24184150.1	
4491765	Universidade de Aveiro	30/06/2023	4491765	23182764.3	
4491945	Ningbo Richen Electrical Appliance Co., Ltd.	27/06/2024	4491945	24185016.3	
4493414	Giesecke+Devrient Currency Technology GmbH	07/02/2023	4493414	23719270.3	German
4493794	LVS Motors OÜ	01/03/2022	4493794	22711509.4	
4494423	ETH Zurich	14/03/2023	4494423	23711071.3	
4494987	Yamaha Hatsudoki Kabushiki Kaisha	20/06/2024	4494987	24183334.2	
4495021	SIG Services AG	20/07/2023	4495021	23186578.3	
4495297	Siltronic AG	18/07/2023	4495297	23186156.8	German
4496193	Dongfang Electric Machinery Co., Ltd.	15/09/2023	4496193	23881514.6	
4496335	Pi Imaging Technology SA	17/07/2023	4496335	23185791.3	
4496435	Agzxx Optoelectronics Technology Co., Ltd	30/11/2023	4496435	23213324.9	
4496671	VOLKSWAGEN AKTIENGESELLSCHAFT	17/03/2023	4496671	23712857.4	German
4496785	AG Plenus Ltd	20/03/2023	4496785	23718850.3	
4496829	Kebony AS	23/03/2023	4496829	23715448.9	
4496934	Grass GmbH	07/03/2023	4496934	23710272.8	German
4496971	VALEO SYSTEMES THERMIQUES	01/03/2023	4496971	23709171.5	French
4496995	Psyros Diagnostics Limited	23/03/2023	4496995	23716913.1	
4498400	Cooper Xi'an Fusegear Co., Ltd.	23/07/2024	4498400	24190376.4	
4498863	Koninklijke Philips N.V.	28/03/2023	4498863	23716434.8	
4499483	Marquardt GmbH	14/02/2024	4499483	24705444.8	German
4499566	Hahn-Schickard-Gesellschaft für angewandte Forschung e. V.	22/03/2023	4499566	23711107.5	German
4499728	NatureWorks LLC	29/03/2023	4499728	23718955.0	
4499782	Graphene Synthetic Feedstock SL	30/03/2023	4499782	23717080.8	
4500477	Kombo Medical Solutions UG	04/05/2023	4500477	23725587.2	German
4500792	Egress Software Technologies IP Limited	27/03/2023	4500792	23719443.6	
4501301	Sipar S.r.l.	22/07/2024	4501301	24190105.7	
4501642	CIA Automation and Robotics S.r.l.				
4501642	manroland Goss web systems GmbH	31/07/2024	4501642	24192042.0	German
4501841	VINCORION Advanced Systems GmbH	22/03/2023	4501841	24217478.7	German
4501934	Samsung Display Co., Ltd.	29/07/2024	4501934	24191379.7	
4502400	WALTER STAUFFENBERG GMBH & CO. KG	01/08/2023	4502400	23189021.1	German
4502903	Giesecke+Devrient advance52 GmbH	01/08/2023	4502903	23020362.2	
4503029	Dolby International AB	12/03/2010	4503029	24218649.2	
4504072	Radius Dynamics GmbH	27/03/2023	4504072	23713676.7	
4504487	Gneuss GmbH	17/03/2023	4504487	23713827.6	German
4504670	AGC Glass Europe	19/06/2023	4504670	23732634.3	
4504671	AGC Glass Europe	19/06/2023	4504671	23734515.2	
4504672	AGC Glass Europe	19/06/2023	4504672	23734523.6	
4505000	MacDermid Enthone Inc.	04/04/2023	4505000	23724015.5	
4505030	Kiekert AG	30/03/2023	4505030	23730892.9	
4505034	Fraste S.P.A.	04/04/2023	4505034	23722660.0	
4505340	De Cosmo, Pierluigi Giuseppe	04/04/2023	4505340	23722658.4	
4506526	Pauli + Sohn GmbH Metallwaren	07/08/2024	4506526	24193294.6	German
4508363	Robert Bosch GmbH	10/03/2023	4508363	23710984.8	German

4508414	Senseair AB	11/04/2023	4508414	23718081.5	
	Asahi Kasei Microdevices Corporation				
4509066	Edwards Lifesciences Corporation	18/04/2018	4509066	24223661.0	
4509342	Takeuchi MFG. Co., Ltd.	25/04/2024	4509342	24172311.3	
4509749	Contemporary Ampere Technology (Hong Kong) Limited	28/06/2023	4509749	23808655.7	
4510938	Institut National de la Santé et de la Recherche Médicale	19/04/2023	4510938	23718303.3	
	Centre National de la Recherche Scientifique				
	Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris				
4511431	Muyile-Facon	18/04/2023	4511431	23720566.1	
4511622	Teknologian Tutkimuskeskus VTT OY	14/04/2023	4511622	23719430.3	
4511628	SAFRAN	20/04/2023	4511628	23725388.5	French
	SAFRAN AIRCRAFT ENGINES				
4511640	Intellego Technologies AB (Sweden)	20/04/2023	4511640	23720885.5	
4511951	Innomotics GmbH	05/07/2023	4511951	23745078.8	German
4513119	Benninghoven Zweigniederlassung der Wirtgen Mineral Technologies GmbH	10/10/2023	4513119	25151020.2	German
4513525	JEOL Ltd.	14/08/2024	4513525	24194598.9	
4514100	SFC Co., Ltd.	14/08/2024	4514100	24194525.2	
4515061	JULIUS BLUM GMBH	05/04/2023	4515061	23717012.1	German
4515349	Volvo Autonomous Solutions AB	14/04/2023	4515349	23724653.3	
4516063	Signify Holding B.V.	21/04/2023	4516063	23721372.3	
4516509	manroland Goss web systems GmbH	23/08/2024	4516509	24196151.5	German
4519053	Koninklijke Philips N.V.	26/04/2023	4519053	23721939.9	
4519062	Bühler AG	04/05/2023	4519062	23725957.7	
4521187	TOYOTA JIDOSHA KABUSHIKI KAISHA	30/07/2024	4521187	24191734.3	
4522519	Aisapack Holding SA	10/05/2023	4522519	23730897.8	
4522552	ELAFLEX HIBY GmbH & Co. KG	03/05/2023	4522552	23723921.5	German
4523315	Robert Bosch GmbH	06/03/2023	4523315	23709955.1	German
4523582	Vorwerk & Co. Interholding GmbH	13/09/2023	4523582	23197163.1	German
4523583	Vorwerk & Co. Interholding GmbH	13/09/2023	4523583	23197164.9	German
4525374	SHENZHEN POWEROAK NEWENER CO., LTD	19/05/2023	4525374	23810976.3	
4525564	Ellipse World, Inc.	13/01/2021	4525564	25155819.3	
4526387	Sun Chemical B.V.	14/11/2023	4526387	23813027.2	
4526404	TotalEnergies OneTech	17/05/2023	4526404	23727366.9	
4527150	Signify Holding B.V.	08/05/2023	4527150	23723941.3	
4527626	SCREEN Holdings Co., Ltd.	23/08/2024	4527626	24196095.4	
4529028	STMicroelectronics International N.V.	06/09/2024	4529028	24198987.0	French
4529452	Giuliani S.p.A.	23/05/2023	4529452	23733437.0	
4529689	Archer Aviation, Inc.	14/11/2023	4529689	23818211.7	
4530191	Airbus Helicopters	24/05/2024	4530191	24178001.4	French
4530249	Murata Manufacturing Co., Ltd.	28/09/2023	4530249	23200481.2	
4530430	Embouts Pour Volets Roulants	27/09/2024	4530430	24203093.0	French
4530491	Ogab Ltd	29/05/2024	4530491	24178896.7	
4531606	Philip Morris Products S.A.	05/05/2023	4531606	23725185.5	
4532092	Hs-Tumbler GmbH	26/05/2023	4532092	23728779.2	German
4532644	Symrise AG	31/05/2022	4532644	22731206.3	
4532827	Toscotec S.p.a.	29/05/2023	4532827	23734074.0	
4532893	Weatherford Technology Holdings, LLC	30/05/2023	4532893	23735893.2	
4534345	Keiper (Changshu) Seating Mechanisms Co., Ltd.	17/07/2023	4534345	23849196.3	
	KEIPER Seating Mechanisms Co., Ltd.				
4535106	Doosan Enerbility Co., Ltd.	12/09/2024	4535106	24199987.9	
4535984	Arcusin S.A.	29/04/2024	4535984	24722630.1	
4536329	Koninklijke Philips N.V.	29/05/2023	4536329	23729723.9	
4536791	Unilever Global IP Limited	15/05/2023	4536791	23722914.1	
4537012	Beghelli S.p.A.	29/05/2023	4537012	23734073.2	

4538470	Jiang, Chengxu	06/06/2023	4538470	23819086.2	
4539726	Institut Mines Telecom	09/06/2023	4539726	23732080.9	French
4539852	Dendrogenix	14/06/2023	4539852	23731706.0	French
4540501	SAFRAN AIRCRAFT ENGINES	16/06/2023	4540501	23738826.9	French
4542105	Astro Lighting Limited	10/06/2024	4542105	24181252.8	
4545390	VOLVO TRUCK CORPORATION	25/10/2023	4545390	23205681.2	
4548415	AVL List GmbH	27/07/2023	4548415	23758221.8	German
4550723	KLEEMANN GMBH	04/11/2024	4550723	24210584.9	German
4551386	Signify Holding B.V.	06/07/2023	4551386	23738755.0	
4552440	Signify Holding B.V.	28/06/2023	4552440	23737925.0	
4554078	MCi (Mirror Controls International) Netherlands B.V.	08/11/2024	4554078	24211864.4	
4554895	Wacker Chemie AG	13/07/2022	4554895	22757851.5	German
4556179	Mure et Peyrot	14/11/2023	4556179	23306973.1	French
4556273	TOYOTA JIDOSHA KABUSHIKI KAISHA	05/11/2024	4556273	24210763.9	
4558012	JULIUS BLUM GMBH	06/07/2023	4558012	23742188.8	German
4558334	Saint-Gobain Sekurit France	27/06/2023	4558334	23735307.3	German
4558728	Airbus Defence and Space SAS	21/09/2023	4558728	23790055.0	French
4561442	Datamed S.r.l.	26/10/2023	4561442	23806049.5	
4561448	Koninklijke Philips N.V.	25/07/2023	4561448	23744178.7	
4561480	Aesculap AG	20/08/2024	4561480	24759099.5	German
4561693	Signify Holding B.V.	20/07/2023	4561693	23742108.6	
4562702	AVL List GmbH	23/05/2024	4562702	24733067.3	German
4566478	AL.PI. S.R.L.	09/05/2024	4566478	25173480.2	
4566937	Yamaha Hatsudoki Kabushiki Kaisha	28/10/2024	4566937	24209170.0	
4567726	Rolls-Royce plc	11/11/2024	4567726	24212177.0	
4569613	Next2Sun Technology GmbH	11/10/2023	4569613	23787125.6	German
4571097	Meier, Norbert	10/12/2024	4571097	24020343.0	German
4572031	Gopod Group Holding Limited	30/10/2023	4572031	23866654.9	
4572035	Dongguan Best Travel Electronics Co., Ltd.	07/08/2024	4572035	24193381.1	
4572604	NJORD SYSTEMS AS	25/08/2023	4572604	23798851.4	
4572683	Universität Rostock Körperschaft des Öffentlichen Rechts	09/08/2023	4572683	23761051.4	German
4572874	Glatt Gesellschaft mit beschränkter Haftung	15/08/2023	4572874	23757596.4	German
4575810	Next Silicon Ltd	12/12/2024	4575810	24219280.5	
4575947	Multiverse Computing S.L.	19/12/2023	4575947	23383319.3	
4576586	Samsung Electronics Co., Ltd.	25/03/2024	4576586	24165862.4	
4577710	Winloc AG	28/07/2023	4577710	23748785.5	
4577712	Winloc AG	28/07/2023	4577712	23748784.8	
4581034	Cytokinetics, Inc.	01/09/2023	4581034	23783204.3	
4582993	Dassault Systèmes	03/01/2024	4582993	24305008.5	
4583714	The Protein Brewery B.V.	07/09/2023	4583714	23767903.0	
4584512	AUDI AG	11/09/2023	4584512	23769156.3	German
4585858	Siemens Aktiengesellschaft	15/01/2024	4585858	24151781.2	German
4586099	Samsung Electronics Co., Ltd.	03/01/2025	4586099	25150142.5	
4586915	Koninklijke Philips N.V.	29/08/2023	4586915	23761945.7	
4586982	Bodypoint, Inc.	12/09/2023	4586982	23783674.7	
4588042	Koninklijke Philips N.V.	05/09/2023	4588042	23762534.8	
4592045	Urschel Laboratories, Inc.	20/04/2022	4592045	25158412.4	
4593707	Koninklijke Philips N.V.	25/09/2023	4593707	23776369.3	
4596069	PonyCycle GmbH	18/07/2024	4596069	24189389.0	
4605151	Bystronic Laser AG	13/10/2023	4605151	23789998.4	
4605171	Bystronic Laser AG	10/10/2023	4605171	23789539.6	
4609493	AUDI AG	26/09/2023	4609493	23782452.9	German
4610081	Küster Holding GmbH	24/01/2025	4610081	25153885.6	German
4615385	ConvaTec Limited	09/11/2023	4615385	23808874.4	
4616439	SAES Getters S.p.A. Strumenti Scientifici Cinel S.r.l.	30/01/2025	4616439	25701600.6	
4624943	LEM International SA	25/03/2024	4624943	24166081.0	

Withdrawn – Section 33(1)

S20240758 Mascara Applicator. CARLY ELIZABETH HAMILTON

Refused - Section 31(1)

S20230180 Int. Cl. (2025.01) **C12N 1/00; C12N 15/00; C12P 17/00**. Method for promoting biosynthesis of heme in *B. subtilis* by modifying ALA. BINZHOU MEDICAL UNIVERSITY; YANTAI HONGYUAN BIO-FERTILIZER CO.,LTD.

S20240516 Int. Cl. (2025.01) **G06F 21/00; H04L 43/00**. A THREAT PERCEPTION METHOD FOR MIMIC FIREWALL. JIAXING VOCATIONAL & TECHNICAL COLLEGE

S20240520 Int. Cl. (2025.01) **H04L 47/00; H04L 9/00**. AN ADAPTIVE DYNAMIC TRAFFIC ALLOCATION METHOD IN MIMIC DEFENSE. JIAXING VOCATIONAL & TECHNICAL COLLEGE

S20240524 Int. Cl. (2025.01) **G06F 21/00; G06F 9/00**. A HETEROGENEOUS SYSTEM HOPPING METHOD WITH VIRTUALIZATION DYNAMICS. JIAXING VOCATIONAL & TECHNICAL COLLEGE

S20240525 Int. Cl. (2025.01) **G06N 3/00; G06V 10/00**. A MIMIC DEFENSE METHOD FOR SCADA SYSTEM. JIAXING VOCATIONAL & TECHNICAL COLLEGE

S20240527 Int. Cl. (2025.01) **G06F 21/00; H04L 9/00**. URL VIRTUALIZATION DYNAMIC DEFENSE TECHNOLOGY AGAINST AUTOMATED ATTACKS. JIAXING VOCATIONAL & TECHNICAL COLLEGE

S20240531 Int. Cl. (2025.01) **H04L 67/00; H04L 69/00**. A METHOD FOR DIRECTIONAL DISTRIBUTION OF TRAFFIC FOR MULTIPLE APPLICATIONS OF MIMIC WEB GATEWAY. JIAXING VOCATIONAL & TECHNICAL COLLEGE

S20250188 Modular Direct Air Carbon Dioxide Capture System with Vacuum Regeneration and Integrated Digital Carbon Credit Tracking. ALI ALKADHIMI

S20250245 Anhydrous Lip Treatment Composition Containing Azelaic Acid. MERCY KAMARA

S20250296 CleanQuoteFast. JONATHAN MOONEY

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

20190086 Int. Cl. (2025.01) **A61K 47/00; A61K 47/24**. Novel methods for manufacturing an adjuvant. GLAXOSMITHKLINE BIOLOGICALS S.A.

20230045 Int. Cl. (2025.01) **A47K 3/00; E05D 5/00; A47K 17/00; E04B 1/00**. A bracing element for securing a panel to a wall, and to a coupling system for coupling an attachment to an upstanding member. MERLYN INDUSTRIES LIMITED

S20230049 App that digitises waste collection docket requirements and summarises for annual environmental report requirements.. TODDY CUTHBERT

20230051 Int. Cl. (2025.01) **E02B 9/00**. Offshore Ocean Wave Creation Technology for Electricity Generation. PATRICK HURLEY

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.

2025048 ELI LILLY AND COMPANY, Lilly Corporate Center, Indianapolis,
IN 46285, United States of America
(16 December 2025)
Patent No: 2603523; ANTI-N3pGlu AMYLOID BETA PEPTIDE
ANTIBODIES AND USES THEREOF
Product: donanemab
Market Authorisation: Ireland EU/1/25/1926, 29/09/2025
European Union EU/1/25/1926, 29/09/2025

Supplementary Protection Certificates Declared Invalid

The name and address of the grantee follows the number allocated to the request for the 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 was granted. Marketing authorisation references in respect of the product concerned are also shown, followed by the date on which the certificate was declared invalid.

2020019 NOVARTIS AG, Lichtstrasse 35, 4056 Basel, Switzerland
(10/11/2020)
Patent No: 2228064; Pharmaceutical composition containing glycopyrrolate and
a beta2 adrenoceptor agonist
Product: glycopyrronium or a salt thereof, especially the bromide salt, and
indacaterol maleate, in combination
Market Authorisation: Ireland EU/1/13/862, 23/09/2013
European Union EU/1/13/862, 23/09/2013
Application declared invalid in accordance with Article Article 15(1)(c) of
Regulation (EC) No. 469/2009

Supplementary Protection Certificates Lapsed

The name and address of the grantee follows the number allocated to the request for the 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 was granted. Marketing authorisation references in respect of the product concerned are also shown, followed by the date on which the certificate was lapsed.

2016029 IMCLONE LLC, 180 Varick Street, New York, NY 10014, United States of America

(20/12/2017)

Patent No: 1735348; HUMAN ANTI-EPIDERMAL GROWTH FACTOR

RECEPTOR ANTIBODY

Product: Necitumumab

Market Authorisation: Ireland EU/1/15/1084, 15/02/2016

SPC No. 2016/029 lapsed due to non-payment of SPC Renewal Fee in respect of year 21.

2017007 JANSSEN PHARMACEUTICA NV, Turnhoutseweg 30, 2340 Beerse, Belgium

(19/07/2018)

Patent No: 1725537; NOVEL COMPOUNDS AS OPIOID RECEPTOR

MODULATORS

Product: Eluxadoline or a pharmaceutically acceptable enantiomer, diastereomer, racemate or salt thereof

Market Authorisation: Ireland EU/1/16/1126, 19/09/2016

SPC No. 2017/007 lapsed due to non-payment of SPC Renewal Fee in respect of year 21.

Application for Restoration of Lapsed Patents – Section 37

The number of the patent appears first, followed by the name of the proprietor and the title of the invention for which the patent was granted.

2884013	Hocaoglu, Mehmet SEAMLESS UNDERMOUNT STAINLESS STEEL SINK SYSTEM
4139014	Stropus Ltd. A CARD DEALING SHOE WITH A PUSHER

Proceedings under Section 37 of the Patents Act, 1992

Restoration Order dated 19 December 2025 was made restoring the Patent mentioned below

3661454	Do Canto Zago, Alexandre DEVICE AND METHOD FOR PROMOTING RAPID STRUT COVERAGE AND VASCULAR ENDOTHELIAL COVERAGE
----------------	---

Designs Registered Under The Industrial Designs Act, 2001

23724 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Beau Bracelet. Beaded Bracelet.



23725 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Betty Boo. Beaded Bracelet.



23726 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Silver dream./Gold dream. Beaded Bracelet.



23727 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Rose dream. Beaded Bracelet.



23728 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Charmed Lite. Beaded bracelet.



23729 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Gilda Necklace. Beaded and Pearl necklace.



23730 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Sherbet Drop. Beaded Choker/Necklace.



23731 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Lia. Beaded Necklace.



23732 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Betty Boo. Beaded Necklace.



23733 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Rainbow Princess. Beaded Choker/Necklace.



23734 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Barbarella. Beaded Necklace.



23735 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Crumpet. Beaded Bracelet.



23736 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Lush Lollipop. Beaded Bracelet.











































































































































































23737 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Bambi. Beaded multi charm bracelet.























































































23738 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

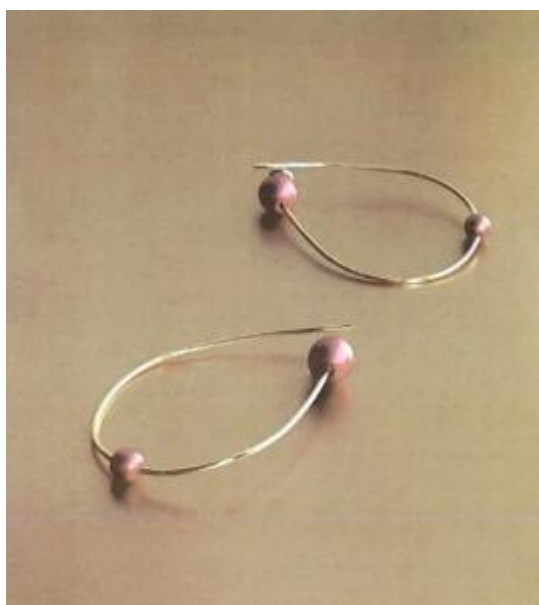
Lola Lush. Large pearl drop earrings.



23739 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Dottie Love. Earrings.



23740 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Colour Queen. Beaded Hoop Earrings.



23741 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Bea Bracelet. Beaded Bracelet.



23742 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Mirabella. Drop Earrings.



23743 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Rainbow Hoops. Drop Crystal Hoops Earrings.



23744 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

Colour pop. Hoop Earrings.



23745 11-01 BETH HAUGHTON, 1 Beaumont Place,Blackrock, Ballintemple,Blackrock, Cork, Ireland.
Address for service is c/o MDM SOLICITORS LLP
16 Lavitts Quay, Cork, T12 ED74, Ireland.

Date of Registration: 08 May 2025.

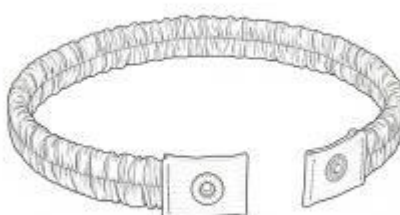
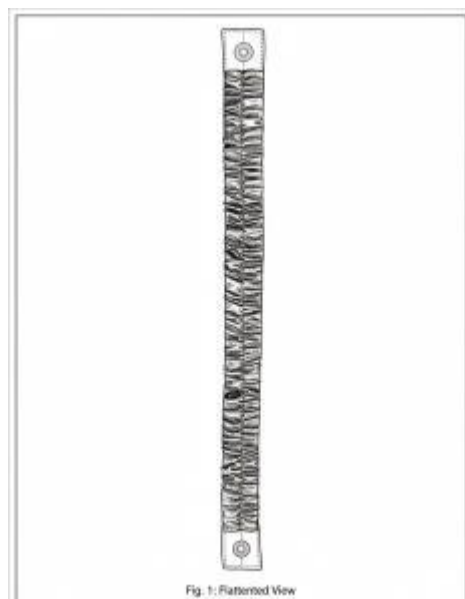
Petra Threader. Crystal drop earrings.



23746 28.06 Appiah, Apartment 2 Hume House, 68 Northstreet, Co.Cork P81P940, Skibbereen P81P940, Ireland.
Address for service is c/o Winnifred Appiah
Apartment 2 Hume House, 68 Northstreet, Co.Cork P81P940, Skibbereen P81P940, Ireland.

Date of Registration: 25 November 2025.

A circular elastic hair tie featuring a fabric-covered gathered band and two rectangular end tabs, each containing a round snap fastener.



23747 32.01 CakeWheelers, 47 Bruhenny Churchtown, Mallow, Co. Cork P51 A7NP, Ireland.
Address for service is c/o CakeWheelers
47 Bruhenny Churchtown, Mallow, Co. Cork P51 A7NP, Ireland.

Date of Registration: 17 November 2025.

Graphic print design



FREE-FROM, BUT FULL OF FLAVOUR

Renewal of Designs Registered under the Industrial Designs Act, 2001

Registrations renewed for 2nd period of 5 Years

Design number	Class
23229	11.01
23230	11.01
23231	11.01
23232	11.01
23233	11.01
23234	11.01

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

Design number	Class
23027	21.99
23029	06.13
23032	19.03
23037	11.02
23038	11.02
23039	11.02
23040	11.02
23041	11.02
23042	11.02
23043	11.02
23044	11.02
23045	11.02
23046	11.02
23049	07.02
23091	32.00

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

No. 2559**Wednesday, 14 January, 2026**

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

Official Notice

Patent Rules 1992 – Rule 77, – Office Closure

**The Intellectual Property Office of Ireland (IPOI) will be closed for the transaction of
business on Monday 2nd February 2026**

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.



273687 08 August 2025

- Class 24. Textile articles; articles made of wool, namely miniature woollen hats for covering caps of glass or plastic bottles; wool base mixed fabrics; knitted articles made from wool, namely miniature knitted woollen hats for covering caps of glass or plastic bottles; woollen fabrics.
- Class 25. Clothing; footwear; headwear; hats; knitwear; scarves; gloves; mittens; booties; clothing, footwear, head wear and hats for babies and toddlers.
- Class 32. Non-alcoholic drinks; fruit drinks; fruit juices; smoothies; fruit based drinks; mineral water; aerated beverages; syrups and other preparations for making beverages; beers.

- Class 36. Charitable fund raising; financial management and monitoring of charitable funds; organisation of fundraising activities; provision of funding to charities; organisation of charitable collections; financial services relating to charities and fund raising; fund investment services; provision of funding and finance for scientific research, academic research, fellowships and studentships; information, advisory and consultancy services all relating to the aforesaid services.
- Class 41. Organisation of charitable fund-raising events; organisation and staging of leisure, recreational, social, sporting and entertainment events; organisation and staging of leisure, recreational, social, sporting and entertainment competitions; organisation of events and competitions to encourage and promote charitable fund-raising; organisation of events and competitions to encourage and promote the community's involvement in charitable work, volunteer work and

charities; organisation of competitions; organisation of sponsored events; organisation of lotteries; information, advisory and consultancy services all relating to the aforesaid services.

Fresh Trading Limited, 342 Ladbroke Grove, London W10 5BU, United Kingdom. Address for service is c/o Maureen Daly, c/o Pinsent Masons Ireland LLP, 1 Windmill Lane, Dublin 2, Ireland.

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

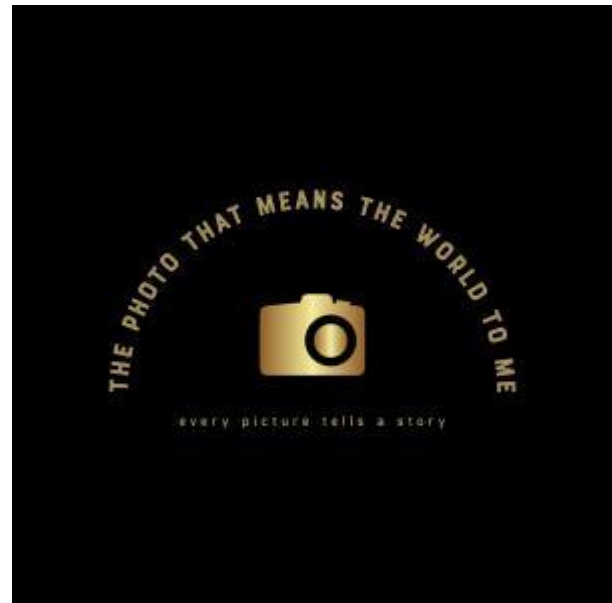


273688 18 August 2025

Class 5. Health food supplements made principally of vitamins.

RJ Collective Ltd, Killyleck, Emyvale, Monaghan H18DC92, Ireland. Address for service is c/o RJ Collective Ltd, Killyleck, Emyvale, Monaghan H18DC92, Ireland.

The mark in use is/will be in the colour(s) green, gold



273689 16 August 2025

Class 16. Series of non-fiction books; Books.

Class 41. Production of entertainment in the form of a television series; Production of television entertainment programmes.

Ciaran Tinkler, Moanfin, Nenagh E45NW58, Ireland. Address for service is c/o Ciaran Tinkler, Moanfin, Nenagh E45NW58, Ireland.

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



273690 05 August 2025

Class 18. Bags; gym bags; sports bags; duffel bags; backpacks; rucksacks; holdalls; waist bags; bum bags; tote bags; shoe bags; shoulder bags; drawstring bags; kit bags; travel bags; handbags; sling bags; messenger bags; carry-all bags; waterproof bags; pouches; cosmetic cases (sold empty); toiletry bags (sold empty); garment bags for travel; wallets; card holders; key cases; luggage; suitcases; trolley bags; leather and imitation leather goods; leather straps and handles for bags.

Class 25. Clothing, footwear, and headgear; sportswear; gym wear; athletic apparel; activewear; compression garments; moisture-wicking and thermal clothing; base layers; training tops and bottoms; quarter-zip tops; long-sleeve and short-sleeve tops; t-shirts; tank tops; crop tops; sweatshirts; hooded sweatshirts; jumpers; fleeces; sweaters; sports bras; leggings; tights; joggers;

tracksuits; shorts, including cycling and running shorts; swimwear; jackets, including sports jackets, windbreakers, and rainwear; gilets; vests; outerwear; casual wear; accessories, namely headbands, wristbands, gloves, socks; headgear including caps, beanies, hats, baseball caps and bandanas; footwear, namely trainers, gym shoes, running shoes, sandals, slides, and performance footwear; insoles.

Class 35. Retail and wholesale services, including online retail and wholesale services, relating to clothing, gym wear, sportswear, athletic apparel, footwear, and headgear; operation of an online store featuring fitness, sports, and lifestyle clothing and accessories; provision of an online marketplace for buyers and sellers of fitness and lifestyle apparel; advertising, marketing, and promotional services; brand promotion through digital media, influencer collaborations, affiliate marketing, and commercial partnerships; social media marketing services; content creation and management for marketing purposes on digital platforms including Instagram, Facebook, TikTok, YouTube, and X; organisation and management of product launch campaigns; online and offline brand activation events; customer loyalty program management and implementation; distribution of promotional materials; provision of consumer information, product reviews, and recommendations; business management and administrative services

relating to the operation of e-commerce platforms; logistics, order fulfilment, and supply chain management services related to online retail.

Rory Ryan, Cappahuse, Ballydangan, Athlone, Roscommon N37DK83, Ireland. Address for service is c/o Rory Ryan, Cappahuse, Ballydangan, Athlone, Roscommon N37DK83, Ireland.

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

GLITZ N PIECES

273691 10 August 2025

Class 35. Retail services in relation to fashion accessories.

Class 42. Design of fashion accessories.

GLITZ N PIECES, MILLBROOK COTTAGE, MAIN STREET, RATHFARNHAM VILLAGE D14K4V2, Ireland. Address for service is c/o ELLEN WEBER, 240 WOODFIELD, SCHOLARSTOWN ROAD, KNOCKLYON DUBLIN 16, Ireland.

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

DREAMERY

273692 19 August 2025

Class 3. Cosmetics; cosmetics for use on the skin; eye cosmetics; eyebrow cosmetics; beauty lotions; non medicated skin toners; non-medicated skincare preparations; bath lotions (non-medicated -); bath preparations, not medicated; bath oils (non-medicated -); bath and shower preparations; bath salts; bath and shower gels; skincare preparations; skincare patches; non-medicated skincare preparations; non-medicated skin serums; skin fresheners [cosmetics]; blemish patches; spot removers [preparations]; patches containing preparations to reduce the appearance and visibility of spots and blemishes; false nails; false nail adhesive; artificial nails; beauty masks; facial beauty masks; masks (beauty -); cosmetic facial masks; cosmetic mud masks; facial masks [cosmetic]; skin masks [cosmetics]; gel eye masks; facial creams [cosmetics]; facial gels [cosmetics]; body deodorants [perfumery]; ethereal essences and oils; beauty soap; scented body creams.

Louisa Booth, 7 Cayton Road, Coulsdon, Surrey CR5 1LT, United Kingdom. Address for service is c/o FRKelly, Waterways House, Grand Canal Quay, Dublin D02 PD39, Ireland.

MODANIYA

273693 19 August 2025

Class 25. Clothing; Footwear; Headgear; Women's clothing; Men's clothing; Childrens' clothing; Sportswear; Sports clothing; Pyjamas; Nightwear; Underwear and nightwear.

Class 35. Wholesale services in relation to fabrics; Design of advertising logos; Rental of signs for advertising purposes; Rental of yard signs for advertising purposes; Wholesale services relating to clothing; Retail services relating to clothing; Online retail services relating to clothing; Online retail store services relating to clothing; Advertising services relating to clothing; Retail services connected with the sale of clothing and clothing accessories; Wholesale services in relation to clothing; Retail services in relation to clothing; Retail services in relation to clothing accessories; Online retail store services in relation to clothing; Mail order retail services for clothing; Mail order retail services for clothing accessories; Retail store services in the field of clothing; Mail order retail services connected with clothing accessories; Retail of third-party pre-paid cards for the purchase of clothing; Retail services relating to jewelry; Online retail services relating to jewelry; Business management of retail outlets; Business management of wholesale and retail outlets; Retail services in relation to headgear; Retail services in relation to jewellery; Retail services in relation to footwear; Wholesale services in relation to footwear; Retail services in relation to bags; Retail services in relation to

luggage; Retail shop window display arrangement services; Retail services relating to home textiles; Retail services relating to fake furs; Retail services relating to sporting goods; Online retail services relating to handbags; Online retail services relating to luggage; Retail services in relation to fashion accessories; Retail services in relation to hair products; Presentation of goods on communications media, for retail purposes; Presentation of goods on communication media, for retail purposes; Communication media (Presentation of goods on -), for retail purposes; Retail purposes (Presentation of goods on communication media, for -); Presentation of financial products on communication media, for retail purposes; Retail services connected with the sale of subscription boxes containing cosmetics; Administration of the business affairs of retail stores; Production of advertising materials; Distribution of publicity materials, namely, flyers, prospectuses, brochures, samples, particularly for catalogue long distance sales [whether crossborder or not]; Distribution of publicity materials (flyers, prospectuses, brochures, samples, particularly for catalogue long distance sales) whether cross border or not.

Mohammad Usman Sattar, Rampark, Castlerea, Roscommon, Ireland. Address for service is c/o Mohammad Usman Sattar, Rampark, Castlerea, Roscommon, Ireland.

ST. MARY'S MALLOW**273694** 19 August 2025

- Class 9. Electronic publications; downloadable electronic publications; software; educational mobile applications; education software; virtual reality software for education; computer software relating to children's education; electronic agendas; teacher software; memo boards [electronic]; teaching apparatus; teaching instruments.
- Class 16. Printed publications; educational publications; printed periodical publications; educational and instructional material; educational equipment; calendars; school supplies [stationery]; stickers; school photographs; school yearbooks; school writing books; informational flyers; magazines; journals; leaflets; pamphlets; newsletters; directories; printed advertisements; newspapers; books; reference books; annuals [printed publications]; diaries.
- Class 25. School uniforms; clothing; coats; sports jackets; shirts; sweat shirts; sports clothing; sports bibs; socks; headgear; footwear; swimming suits; swimming caps.
- 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.

The Educena Foundation, CEIST Education Office, Summit House, Embassy Office Park, Kill, Kildare W91 VK0T, Ireland. Address for service is c/o Hazel McDwyer, c/o Mason Hayes & Curran LLP, South Bank House, Barrow Street, Dublin D04TR29, Ireland.



Application is for a Series of 2 Trade Marks.

273695 29 July 2025

Class 9. Downloadable software; downloadable applications; downloadable applications for mobile devices; downloadable smartphone applications (software); Downloadable, web applications and cloud-based software and mobile applications for use by financial advisers and their clients in aggregating, managing, and analysing client financial data; software for financial planning, portfolio tracking, and client reporting; downloadable, web applications and cloud based tools for adviser-client communication, regulatory

compliance, and document management.

Class 35. Business information, consultancy, appraisal and advisory services; Provision of business information, data analytics, and insights for financial advisers; compilation and analysis of business performance data; business consultancy services relating to the operation of financial advisory practices; provision of dashboards, metrics, and reporting tools to support operational efficiency and business growth in the financial services sector.

Class 36. Financial services; investment services; pension services; investment consultancy and advisory services; Provision of financial information and advice to financial advisers; financial planning and investment management services; provision of an electronic platform enabling financial advisers to manage client investments, pensions, savings, and insurance; aggregation and presentation of client financial data; provision of tools to support financial product comparison, advice, and planning.

Class 41. Education services; training services; educational services relating to financial services, insurances, investments, pensions and business development, provision of training, workshops, seminars and webinars for financial advisers and intermediaries, continuing professional development (CPD) courses, online non-downloadable publications and instructional materials, organisation of conferences

- and learning events, advisory and consultancy services relating to all the foregoing.
- Class 42. Software as a service (SaaS) for financial advisers, featuring tools for financial data aggregation, portfolio management, and client reporting; provision of temporary use of non-downloadable software for use in financial services; design, development, hosting, and maintenance of digital platforms used by financial advisers; technical support services for financial software platforms.

IRISH LIFE FINANCIAL SERVICES LIMITED,
Irish Life Centre, Lower Abbey Street, Dublin 1,
Ireland. Address for service is c/o MACLACHLAN
IP LIMITED trading as MACLACHLAN IP, Unit
10, 4075 Kingswood Road, Citywest Business
Campus, Dublin 24 D24 C56E, Ireland.



St. Mary's Secondary School, Mallow

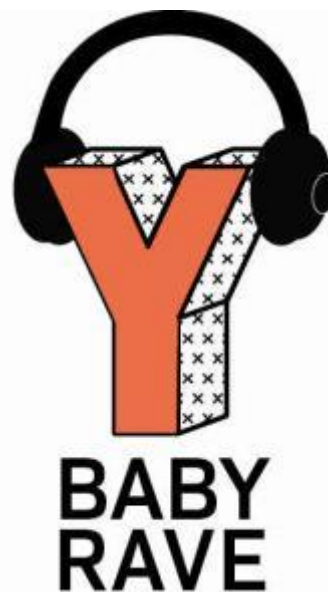
273696 19 August 2025

- Class 9. Electronic publications; downloadable electronic publications; software; educational mobile applications; education software; virtual reality software for education; computer software relating to children's education; electronic agendas; teacher software; memo boards [electronic]; teaching

- apparatus; teaching instruments.
- Class 16. Printed publications; educational publications; printed periodical publications; educational and instructional material; educational equipment; calendars; school supplies [stationery]; stickers; school photographs; school yearbooks; school writing books; informational flyers; magazines; journals; leaflets; pamphlets; newsletters; directories; printed advertisements; newspapers; books; reference books; annuals [printed publications]; diaries.
- Class 25. School uniforms; clothing; coats; sports jackets; shirts; sweat shirts; sports clothing; sports bibs; socks; headgear; footwear; swimming suits; swimming caps.
- 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.

The Educena Foundation, CEIST Education Office, Summit House, Embassy Office Park, Kill, Kildare W91 VK0T, Ireland. Address for service is c/o Hazel McDwyer, c/o Mason Hayes & Curran LLP, South Bank House, Barrow Street, Dublin D04TR29, Ireland.



273697 31 July 2025

- Class 18. Tote bags; Grocery tote bags; Carry-all bags; Canvas shopping bags; Canvas bags; Bags; Carrying bags; Shoulder bags.
- Class 25. Clothing, footwear and headgear; T-shirts; Short-sleeve shirts; Short-sleeved T-shirts; Bucket hats; Bucket caps; Hats; Sun hats; Baby bodysuits; Baby clothes; Clothing for babies.
- Class 41. Education and entertainment services for children; Arranging of educational events; Entertainment services for children; Organisation of educational events; Organisation of entertainment events; Dance events; Organisation of dancing events; Conducting of educational events; Conducting of entertainment events; Conducting of live entertainment events; Organisation of musical events; Organisation of entertainment and cultural events; Provision of entertainment services for children; Arranging of

musical events; Musical events (Arranging of -); Educational services provided for children.

Young At Art Ltd, 2nd Floor, Cotton Court, Waring Street, Belfast BT1 2ED, United Kingdom. Address for service is c/o Young At Art Ltd, c/o Carson McDowell LLP, 27-28 Herbert Place, Dublin 2 D02 DC97, Ireland.

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

NightHawk

273698 18 September 2024

Class 44. Medical diagnostic services; Medical testing for diagnostic or treatment purposes; Surgical diagnostic services; Optical imaging for medical diagnostic use; Remote monitoring of medical data for medical diagnosis and treatment; Performing diagnosis of diseases.

Global Diagnostics Ireland Limited T/A Medica, Medica Ireland, Rockfield Medical Campus, Balally Dublin 16, Ireland. Address for service is c/o HGF IP Limited, Suite 415, The Guinness Enterprise Centre (GEC), Taylor's Lane, Dublin 8 D08 YE0P, Ireland.

BABY RAVE

273699 31 July 2025

Class 18. Tote bags; Grocery tote bags; Carry-all bags; Canvas shopping bags; Canvas bags; Bags; Carrying bags; Shoulder bags.

Class 25. Clothing, footwear and headgear; T-shirts; Short-sleeve shirts; Short-sleeved T-shirts; Bucket hats; Bucket caps; Hats; Sun hats; Baby bodysuits; Baby clothes; Clothing for babies.

Class 41. Education and entertainment services for children; Arranging of educational events; Entertainment services for children; Organisation of educational events; Organisation of entertainment events; Dance events; Organisation of dancing events; Conducting of educational events; Conducting of entertainment events; Conducting of live entertainment events; Organisation of musical events; Organisation of entertainment and cultural events; Provision of entertainment services for children; Arranging of musical events; Musical events (Arranging of -); Educational services provided for children.

Young At Art Ltd, 2nd Floor, Cotton Court, Waring Street, Belfast BT1 2ED, United Kingdom. Address for service is c/o Young At Art Ltd, c/o Carson McDowell LLP, 27-28 Herbert Place, Dublin 2 D02 DC97, Ireland.

Agree to Agree (A2A)**273700** 06 August 2025

Class 41. Education.

MGMS Training Limited, Drim, Doora, Ennis/Clare V95CC15, Ireland. Address for service is c/o MGMS Training Limited, c/o Dr. Maureen Griffin, Drim, Doora, Ennis/Clare V95CC15, Ireland.

VEO**273701** 27 November 2024

Class 38. Broadcasting; Data transmission and data broadcasting; Data streaming; Streaming of audio, video and television in the field of sport events; Streaming of video material on the internet; Providing access to platforms on the Internet.

Veo Technologies ApS, Røvsingsgade 68, 2100 København Ø, Denmark. Address for service is c/o MACLACHLAN IP LIMITED trading as MACLACHLAN IP, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

The Application for Registration is proceeding with the consent of the Proprietors of Registered Irish Trade Mark No.271654

GELIQUE BEAUTY**273702** 13 July 2025

Class 3. Beauty care cosmetics.

ANA MARIA BARBU, NO 21 SCRAMOGE MANOR, SCRAMOGE, ROSCOMMON F42P210, Ireland. Address for service is c/o ANA MARIA BARBU, no 21 scamouge manor, scamoge, Roscommon F42P210, Ireland.

**SLIMMING WORLD'S
SUPPORT SYSTEM****273703** 06 August 2025

Class 9. Electronic downloadable publications relating to food, beverages, recipes, meal preparation, cooking and cookery; databases of information relating to food, beverages, recipes, meal preparation, cooking and cookery; downloadable recipe books and cook books; computer software for use in data management in the fields of slimming, weight control, weight management, diet, dieting, exercise, health, fitness, food, beverages, meal preparation, cooking, cookery, nutrition, recreation, lifestyle and eating habits; downloadable course materials for cooking and cookery courses; software applications for

	slimming, weight control, weight management, diet, dieting, exercise, health, fitness, food, beverages, meal preparation, cooking, cookery, nutrition, recreation, lifestyle and eating habits; software applications for ordering foodstuffs and meals; downloadable podcasts, vodcasts, webinars and videos.		digital magazines, newsletters, flyers, posters, journals and books relating to slimming, weight control, weight management, diet, dieting, food, nutrition, cooking, cookery, meal preparation, exercise, health, lifestyle, and eating habits; publication of advice and information concerning slimming, weight control, weight management, diet, dieting, food, nutrition, cooking, cookery, meal preparation, exercise, health, lifestyle, and eating habits; publication of photographs, books, booklets, recipes, diaries, charts, greetings cards, magazines, flyers, teaching materials, posters, plans, pads, newsletters, manuals, cards, calendars, note books, calculating tables, all relating to slimming, weight control, weight management, diet, dieting, food, nutrition, cooking, cookery, meal preparation, exercise, health, lifestyle and eating habits; production of podcasts, vodcasts, webinars and videos; provision of entertainment and education via podcasts, vodcasts, webinars and videos.
Class 16.	Printed materials relating to slimming, weight control, weight management, diet, dieting, exercise, health, fitness, food, beverages, meal preparation, cooking, cookery, nutrition, recreation, lifestyle and eating habits; recipe cards; recipe books; cookbooks; printed menus; magazines; flyers; posters; newsletters; journals; cardboard packaging; instructional and teaching materials in the field of slimming, weight control, weight management, diet, dieting, exercise, health, fitness, food, beverages, meal preparation, cooking, cookery, nutrition, recreation, lifestyle and eating habits.		
Class 41.	Providing education, instruction, training and coaching services relating to slimming, weight control, weight management, diet, dieting, food, nutrition, cooking, cookery, meal preparation, exercise, health, lifestyle, eating habits, fitness and weight training; providing electronic publications; providing non-downloadable publications relating to slimming, weight control, weight management, diet, dieting, food, nutrition, cooking, cookery, meal preparation, exercise, health, lifestyle, and eating habits; publication of electronic and	Class 44.	Advisory, counselling, consultancy, information and guidance services relating to slimming, weight control, weight management, diet, dieting, exercise, health, lifestyle, eating habits, food and nutrition; hygiene and beauty services; health care services; providing nutritional information about food and drink for weight loss, weight control and weight management purposes.

Priority Date Claimed: 05 August 2025 United Kingdom

Miles-Bramwell Executive Services Limited, Clover Nook Road, Somercotes, Alfreton, Derbyshire DE55 4RF, United Kingdom. Address for service is c/o Cruickshank, 8 A Unit, Sandyford Business Centre, Sandyford D18R2N8, Ireland.

AI for one and one for all

273704 18 August 2025

Class 9. Artificial intelligence software.

Class 42. Software as a service [SaaS] featuring computer software platforms for artificial intelligence.

Liam Martyn, Oranbeg, Oranmore, Galway H91KN8R, Ireland. Address for service is c/o Liam Martyn, Oranbeg, Oranmore, Galway H91KN8R, Ireland.

One for all and AI for one

273705 18 August 2025

Class 9. Artificial intelligence software.

Class 42. Platforms for artificial intelligence as software as a service [SaaS].

Liam Martyn, Oranbeg, Oranmore, Galway H91KN8R, Ireland. Address for service is c/o Liam Martyn, Oranbeg, Oranmore, Galway H91KN8R, Ireland.

AI for one

273706 18 August 2025

Class 9. Artificial intelligence software.

Class 42. Platforms for artificial intelligence as software as a service [SaaS].

Liam Martyn, Oranbeg, Oranmore, Galway H91KN8R, Ireland. Address for service is c/o Liam Martyn, Oranbeg, Oranmore, Galway H91KN8R, Ireland.



273707 12 August 2025

Class 44. Beauty treatment; Spa services.

BLOOMING NAILS AND SPA LIMITED, 81 O'CONNELL STREET, CLONMEL, TIPPERARY, Ireland. Address for service is c/o BLOOMING NAILS AND SPA LIMITED, c/o QUANG ANH CHU, 81 O'CONNELL STREET, CLONMEL, TIPPERARY, Ireland.

Regzact

273708 19 August 2025

Class 42. Software as a service [SaaS].

Regzact Ltd, 92 Castleknock Park, Dublin D15P58N, Ireland. Address for service is c/o Regzact Ltd, 92 Castleknock Park, Dublin D15P58N, Ireland.

The mark in use is/will be in the colour(s) Pantone 18-1763 TCX

BOW STREET ACADEMY

273717 19 August 2025

Class 41. Education; training; entertainment; acting instruction and coaching services; drama and theatrical training;

workshops and masterclasses in acting techniques; education, training and entertainment services relating to acting, drama, theatre, the performing arts, music, and dancing; production and presentation of theatrical performances, staged events, dramatic productions, concerts, ballet, and opera; casting services for entertainment purposes; talent development and management services in the field of acting and performing arts; production, publication and distribution of educational materials, books, periodical publications, newsletters and magazines relating to acting and the performing arts; production and distribution of sound recordings, video recordings and films for educational and entertainment purposes; provision of online electronic publications, digital educational content, and recordings of performances (not downloadable) via the Internet; professional consultancy and advisory services relating to acting, drama, theatrical performance, career development in the performing arts, music, opera and the arts; mentoring services in the field of acting and performing arts; information, advisory, and consultancy services relating to the aforesaid services.

Bow Street Training Limited, 3 Ardee Rd, Rathmines, Dublin D06 FK18, Ireland. Address for service is c/o BIRD & BIRD LLP, Avenue Louise 235, 1050 Bruxelles, Belgium.

VP Blarney Medical

273721 19 August 2025

Class 44. Medical services; Healthcare services.

DR. VALERIE SCULLY, BLARNEY MEDICAL CENTRE, MONACNAPPA, BLARNEY, CO. CORK T23 EAY1, Ireland
Dr Paul O'Halloran, BLARNEY MEDICAL CENTRE, MONACNAPPA, BLARNEY, CO. CORK T23 EAY1, Ireland.
Address for service is c/o Cruickshank, 8 A Unit, Sandyford Business Centre, Sandyford D18R2N8, Ireland.

SONAS

273722 19 August 2025

Class 33. Alcoholic cocktails; Alcoholic seltzers; Low alcoholic drinks; Alcoholic energy drinks; Alcoholic fruit beverages; Cordials [alcoholic beverages]; Prepared alcoholic cocktails; Alcoholic cocktail mixes; Alcoholic beverages, except beer; Alcoholic beverages (except beers); Alcoholic beverages except beers; Alcoholic beverages (except beer); Alcoholic fruit cocktail drinks; Alcoholic coffee-based beverage; Alcoholic cocktails containing milk; Alcoholic carbonated beverages, except beer; Alcoholic cocktails in the form of chilled gelatins; Pre-mixed alcoholic

beverages, other than beer-based.

Luke Ryan, Gortshane Middle, Newport V94A2HV, Ireland. Address for service is c/o Luke Ryan, Gortshane Middle, Newport V94A2HV, Ireland.



273723 24 June 2025

Class 37. Installation, maintenance, and repair of audio visual systems and multimedia equipment across entity estates.

Class 42. Planning, development, and technical support of audio visual equipment, unified collaboration systems, digital media solutions, broadcast solutions, enterprise solutions, Visualizations; planning, development, and technical support of new technology for others, collaboration and other enterprise technologies, digital signage visualizations, and computer graphics (digital imaging services); Design of audio visual systems and multimedia equipment across entity estates.

Priority Date Claimed: 29 April 2025 United States of America

AVI Systems, Inc, 9675 W. 76th St., Suite 130, Eden Prairie, Minnesota 55344, United States of America. Address for service is c/o Lewis Silkin Ireland LLP, Fitzwilliam Court, Leeson Close, Dublin D02 YW24, Ireland.

The mark consists of the word FORTE in white, the o has a multi-colored halo around it in the colors of light green, red, pink, purple, blue, and green, there is an accent mark in white above the E. The color black is not claimed as part of the mark.



Application is for a Series of 2 Trade Marks.

273724 12 June 2025

Class 3. Personal hygiene products, namely bath salts, lip balms, hand soap, hand lotion, sleep spray, night body bombs, magnesium spray and body oils; skin care and hair care preparations; perfumery; soaps, body creams and lotions; toiletries; room fragrancing preparations; pot pourri; reed diffusers; fragrances and oils for diffusers.

Class 4. Candles; scented candles; tealights.

Class 11. Apparatus for lighting; diffusers (light-); diffusers (electrical-); lighting; lampshades; lamps; lamp bases, light fittings and fixtures.

Class 16. Books, printed matter and periodical publications; all relating to home design and home decoration; photograph albums, catalogues, document files; boxes of paper or cardboard for documents; stationery, posters, diaries and calendars.

Class 19. Flooring; laminate flooring; wooden flooring; flooring materials (non-metallic).

Class 20. Furniture and furnishings; works of art and decorations; beds, mattresses, pillows and cushions; frames; mirrors; indoor blinds and curtains; kitchen, bedroom, bathroom and living room furniture; picture frames; cutlery boxes; coat hangers and coat stands; figurines; wall plaques.

Class 21. Household and kitchen utensils; dinnerware; glassware, porcelain and earthenware; porcelain; tea and coffee services; ornaments; baskets; candlesticks, candle holders and candelabras, coasters, napkin holders; aromatic oil diffusers.

Class 27. Carpets; floor coverings; rugs; mats; linoleum and other material for covering existing floors; wallpaper and non-textile wall hangings; ceiling paper; borders for decorating walls.

Grove & Co Interiors Ltd, 64 Mulgrave Street, Dun Laoghaire, Dublin A96 X8P0, Ireland. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.



273725 29 July 2025

Class 36. Financial investment services.

Ailm Quantitative Trading Ltd, 75 La Rochelle, Christchurch, Dublin D08 EE33, Ireland. Address for service is c/o Ailm Quantitative Trading Ltd, C/o Eoin Spring, 75 La Rochelle, Christchurch, Dublin D08 EE33, Ireland.



273726 18 August 2025

Class 41. Horse training.

Rafael Sanctuary, Nephin View House, Knockanillaun, Ballina Co Mayo F26 C8C, Ireland. Address for service is c/o Rafael Sanctuary, Nephin View House, Knockanillaun, Ballina Co Mayo F26 C8C, Ireland.

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

CO-PHENYLCAINE

273727 19 August 2025

Class 5. Pharmaceutical preparations; Veterinary preparations; Anaesthetic preparations; Vasoconstrictors.

Class 10. Surgical apparatus and instruments; Medical apparatus and instruments; Dental apparatus and

instruments; Veterinary apparatus and instruments; Medical apparatus for introducing pharmaceutical preparations into the human body; Medical apparatus for the treatment of respiratory conditions.

Aspen Pharmacare Australia Pty Ltd, 34 - 36 Chandos Street, St Leonards, New South Wales 2065, Australia. Address for service is c/o Dennemeyer & Associates S.A., 55, rue des Bruyères, 1274 Howald, Luxembourg.



Galway Pure

273728 05 August 2025

- Class 4. Beeswax.
- Class 20. Wax figures; Beehives.
- Class 25. Clothes.
- Class 30. Honey; Honeyes.
- Class 31. Bees.

Jim Glynn, Rushveala Lodge, Oughterard, Galway H91H6H6, Ireland. Address for service is c/o Jim Glynn, Rushveala Lodge, Oughterard, Galway H91H6H6, Ireland.

The mark in use is/will be in the colour(s) Orange, Ruby-red, Dark Purple, Magenta, Light Blue, Medium Blue, Deep Navy, Black.

Opposition(s) under Section 43 of the 1996 Act

- 272951** Serosep Ltd. Opposition filed 09 December 2025
- 272518** Alan Stafford. Application withdrawn 17 December 2025

Trade Marks Registered under the 1996 Act

- 272570** (2543) Cl. 9 16. Julie Dowling
- 272755** (2547) Cl. 30. Cristina Costescu
- 272761** (2547) Cl. 4 9 42. Triple Edge Energy Ltd.
- 272766** (2547) Cl. 29 35 43. ETILER GIDA VE TICARI YAT. SAN. VE TIC. LTD. STI.
- 272775** (2547) Cl. 16 41. Understory
- 272781** (2547) Cl. 9 41. Cahran Technologies
- 272800** (2547) Cl. 15. Ali Sami Dogan
- 272803** (2547) Cl. 9 41. Alexander Frahm Fetherston
- 272819** (2547) Cl. 16 41. Deirdre McCarthy
- 272834** (2548) Cl. 12. AVATR Co., Ltd.
- 272858** (2548) Cl. 9 35 42. Tom Leavy
- 272863** (2548) Cl. 44. Amanda Masterson, Hugh & Conor Mc Allister
- 272871** (2548) Cl. 37. Faizan Rasheed
- 272880** (2548) Cl. 14. Magdalena Weber Studio
- 272896** (2549) Cl. 43. JeSo'Pazz LTD
- 272917** (2549) Cl. 43. Alyssa Cronin
- 272937** (2549) Cl. 25. VUORI, INC.
- 272943** (2550) Cl. 16 24 25 35 41. POWER GRADE LIMITED
- 272945** (2550) Cl. 3. Rita Ladapo
- 272946** (2550) Cl. 30. CADBURY UK LIMITED
- 272947** (2550) Cl. 9 25 39 43. Supermac's (Holdings) Limited
- 272948** (2550) Cl. 44. Darren O'Connor
- 272949** (2550) Cl. 9. TETHERED APP LTD
- 272950** (2550) Cl. 21 30 43. O'Reilly's Wholesale Ltd

272952	(2550) Cl. 43. Firethorn Sackville Opco Limited	78715	Cl. 5. Vericore Limited
272955	(2550) Cl. 32 33. Schweppes International Limited	78848	Cl. 5. Vericore Limited
272956	(2550) Cl. 35. Avril White	79375	Cl. 29. Pilgrim's Food Masters Ireland Limited
272959	(2550) Cl. 9 16 25 41. Board of Management of St Paul's Secondary School	113710	Cl. 5. CEVA SANTE ANIMALE
272960	(2550) Cl. 9 16 25 41. Board of Management of St Paul's Secondary School	113865	Cl. 25. Nine West Development LLC
272961	(2550) Cl. 44. Orla O'Brien	114003	Cl. 3. carenow GmbH
272962	(2550) Cl. 20. Soul Form Furniture Studio Limited	114020	Cl. 5. BGP Products Operations GmbH
272964	(2550) Cl. 36. Erova Energy Limited	114262	Cl. 1. DuPont Polymers, Inc.
272966	(2550) Cl. 28. Peter Brennan	114546	Cl. 30. AUGUST STORCK KG
272967	(2550) Cl. 9 35 38. AirGSM Pte. Ltd	114552	Cl. 1. Bio-Rad Europe GmbH
272968	(2550) Cl. 29. The Original Pizza Italia Co Limited	114557	Cl. 14. Kate Spade & Company
272969	(2550) Cl. 3 5 8 9 10 11 16 18 35 38 40 42 44. CommCare Pharma Limited	114558	Cl. 14. Kate Spade & Company
272970	(2550) Cl. 3 5 8 9 10 11 16 18 35 38 40 42 44. CommCare Pharma Limited	115671	Cl. 3. Henkel AG & Co. KGaA
272972	(2550) Cl. 16 25 41. Board of Management of St. Aidan's CBS	116675	Cl. 25. ABG-Champion EU Limited
272974	(2550) Cl. 16 25 41. Board of Management of St. Aidan's CBS	117284	Cl. 12. AUTOMOBILES PEUGEOT
272975	(2550) Cl. 9 38 41. Gamesys Operations Limited	117701	Cl. 12. Fiat Group Marketing & Corporate Communication S.p.A.
272976	(2550) Cl. 35 42. Aya Healthcare, Inc.	118004	Cl. 25. ABG-Champion EU Limited
272977	(2550) Cl. 29 30. Société des Produits Nestlé S.A.	118005	Cl. 25. ABG-Champion EU Limited
272978	(2550) Cl. 32 33. Schweppes International Limited	122481	Cl. 5. NORBROOK LABORATORIES LTD.
272986	(2550) Cl. 35. Feihui Yu	232555	Cl. 12. SSANGYONG MOTOR COMPANY
272987	(2550) Cl. 9 10 24 25. DORMOLE LIMITED	233378	Cl. 10. JOHNSON & JOHNSON
272988	(2550) Cl. 16 18 21 25 41. Segovia Education Trust CLG	233387	Cl. 19. CANTILLANA INVEST
272992	(2550) Cl. 36. Erova Energy Limited	233403	Cl. 5. Solventum Intellectual Properties Company
Renewal of Registrations Under Section 48 of the 1996 Act		233507	Cl. 1, Cl. 9. JOHNSON & JOHNSON
48547	Cl. 30. SOCIÉTÉ DES PRODUITS NESTLÉ S.A.	233589	Cl. 5, Cl. 31. ANIMAX LIMITED
49093	Cl. 3. HFC Prestige International Operations Switzerland Sarl	233848	Cl. 4. Homefire Group Limited
49429	Cl. 29, Cl. 30, Cl. 32. SOCIÉTÉ DES PRODUITS NESTLÉ S.A.	233856	Cl. 30. SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
66597	Cl. 5. Chattem, Inc.	233960	Cl. 29, Cl. 30. SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
78173	Cl. 12. ContiTech USA, Inc.	234185	Cl. 3, Cl. 4, Cl. 6, Cl. 8, Cl. 9, Cl. 11, Cl. 14, Cl. 16, Cl. 18, Cl. 20, Cl. 21, Cl. 24, Cl. 25, Cl. 26, Cl. 28, Cl. 29, Cl. 30, Cl. 32, Cl. 34, Cl. 39, Cl. 41, Cl. 43. Diageo Ireland Unlimited Company
78174	Cl. 9. ContiTech USA, Inc.	234472	Cl. 10. CONVATEC INC.
78273	Cl. 3. FIRMENICH S.A.	252685	Cl. 2. Laydex Limited
78274	Cl. 30. FIRMENICH S.A.	253442	Cl. 9, Cl. 16, Cl. 35, Cl. 36. The Gift Card Company Limited
78334	Cl. 24. CHRISTIAN DIOR COUTURE	253649	Cl. 3, Cl. 8, Cl. 18, Cl. 21, Cl. 29, Cl. 30, Cl. 35, Cl. 39, Cl. 43. ODAIOS LIMITED
		253863	Cl. 9, Cl. 16, Cl. 35, Cl. 36. The Gift Card Company Limited
		253886	Cl. 9, Cl. 16, Cl. 35, Cl. 36. The Gift Card Company Limited
		254232	Cl. 35, Cl. 41, Cl. 44. Oxmantown Settlement Trust
		254398	Cl. 33. PJ Rigney Distillery and International Brands Limited
		254491	Cl. 29, Cl. 30. Lidl Stiftung & Co. KG

254525 Cl. 9. KIM SUNG EUN
254551 Cl. 20, Cl. 24. Silentnight Group Limited
254552 Cl. 20, Cl. 24. Silentnight Group Limited
254598 Cl. 10. Robert Wade
254613 Cl. 10. Martin O'Connell
254885 Cl. 29, Cl. 30. McCormick & Company, Incorporated
259934 Cl. 1, Cl. 5. BASF SE
260189 Cl. 5. FMC IP Technology GmbH

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

48207 Cl. 12. 12 November 2025. Siemens Mobility Limited
48769 Cl. 24. 20 November 2025. CROMBIE IPR LIMITED
48770 Cl. 25. 20 November 2025. CROMBIE IPR LIMITED
54677 Cl. 24. 20 November 2025. CROMBIE IPR LIMITED
55372 Cl. 25. 20 November 2025. CROMBIE IPR LIMITED
66398 Cl. 3, Cl. 5. 27 November 2025. Inovyn ChlorVinyls Limited
66531 Cl. 3. 22 November 2025. Colgate-Palmolive Company
77247 Cl. 5. 22 November 2025. OPELLA HEALTHCARE UK LIMITED
77715 Cl. 1. 30 November 2025. Gowan Comércio Internacional e Serviços Limitada
77716 Cl. 5. 30 November 2025. Gowan Comércio Internacional e Serviços Limitada
77753 Cl. 33. 11 November 2025. BODEGA LAS COPAS, S.L.
78265 Cl. 3, Cl. 5. 19 November 2025. COLGATE-PALMOLIVE COMPANY
79116 Cl. 7. 02 November 2025. MAYFRAN GMBH.
79235 Cl. 12. 16 November 2025. Hino Jidosha Kabushiki Kaisha also t/a Hino Motors, Ltd.
113536 Cl. 25. 06 November 2025. 3M Company
113547 Cl. 3. 12 November 2025. Diversey, Inc.
113558 Cl. 5. 28 November 2025. Opella Healthcare Group SAS
113689 Cl. 33. 22 November 2025. Southern Liqueur Company Limited
113986 Cl. 5. 20 November 2025. FMC CORPORATION

113987 Cl. 5. 20 November 2025. FMC CORPORATION
114198 Cl. 31. 06 November 2025. Tetra GmbH
114201 Cl. 31. 11 November 2025. PIONEER HI-BRED INTERNATIONAL, INC.
114219 Cl. 28. 28 November 2025. LES EDITIONS ALBERT RENE
114220 Cl. 5. 15 November 2025. T.J. SMITH AND NEPHEW, LIMITED
114414 Cl. 29. 11 November 2025. Breeo Brands Limited
114427 Cl. 28. 28 November 2025. LES EDITIONS ALBERT RENE
115562 Cl. 28. 28 November 2025. LES EDITIONS ALBERT RENE
115833 Cl. 6. 19 November 2025. Cobra Brands (Proprietary) Limited
115834 Cl. 11. 19 November 2025. Cobra Brands (Proprietary) Limited
116897 Cl. 25. 15 November 2025. SEA-FLOWER LICENSING AMSTERDAM B.V.
117428 Cl. 29. 07 November 2025. Golden Fry Edible Oils (Manufacturing) Limited
117810 Cl. 11. 19 November 2025. Cobra Brands (Proprietary) Limited
118680 Cl. 9. 12 November 2025. Siemens Industry Software Inc.
121388 Cl. 8. 06 November 2025. K-D HERMANN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG CONTACT-PREISAUSZEICHNUNG-ETIKETTIERSYSTEME
121389 Cl. 16. 06 November 2025. K-D HERMANN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG CONTACT-PREISAUSZEICHNUNG-ETIKETTIERSYSTEME
232950 Cl. 3. 07 November 2025. Unilever Global IP Limited
232957 Cl. 3. 08 November 2025. Unilever Global IP Limited
232990 Cl. 5. 08 November 2025. Janssen Sciences Ireland UC
232992 Cl. 5. 08 November 2025. Janssen Sciences Ireland UC
232993 Cl. 5. 08 November 2025. Janssen Sciences Ireland UC
233002 Cl. 5. 14 November 2025. Novartis Consumer Health S.A.
233043 Cl. 3. 08 November 2025. SALLY BEAUTY INTERNATIONAL, INC.
233045 Cl. 32. 02 November 2025. Diageo Ireland Unlimited Company
233046 Cl. 29, Cl. 31. 15 November 2025. CONSERVAS Y FRUTAS, S.A.

233047	Cl. 30. 15 November 2025. KRAFT FOODS SCHWEIZ HOLDING GMBH	233572	Cl. 18, Cl. 25. 27 November 2025. MARK COTTER
233048	Cl. 30. 15 November 2025. KRAFT FOODS SCHWEIZ HOLDING GMBH	233598	Cl. 29, Cl. 35. 24 November 2025. HICKS FOODS LTD
233052	Cl. 5. 16 November 2025. Wyeth LLC	233771	Cl. 36, Cl. 37. 28 November 2025. THOMAS SANDERSON LIMITED
233064	Cl. 3. 10 November 2025. PAMEX LIMITED	233826	Cl. 36. 03 November 2025. MITSUI SUMITOMO KAIJO KASAI HOKEN KABUSHIKI KAISHA
233066	Cl. 3, Cl. 5. 15 November 2025. LIFES 2 GOOD LIMITED	233893	Cl. 9, Cl. 16, Cl. 42. 27 November 2025. Tailte Éireann
233068	Cl. 18. 15 November 2025. GUCCIO GUCCI S.p.A.	233895	Cl. 9, Cl. 16, Cl. 42. 27 November 2025. Tailte Éireann
233075	Cl. 12. 13 November 2025. BMC SANAYI VE TICARET ANONIM SIRKETI	234713	Cl. 5. 14 November 2025. Kenvue Inc.
233122	Cl. 5, Cl. 29, Cl. 30, Cl. 32. 27 November 2025. JOHNSON & JOHNSON	234780	Cl. 19. 29 November 2025. SIG Trading (Ireland) Limited
233129	Cl. 16, Cl. 35, Cl. 41. 06 November 2025. IRISH INSTITUTE OF LEGAL EXECUTIVES LIMITED	235046	Cl. 28. 13 November 2025. PATRICIA MCGURRIN
233134	Cl. 17, Cl. 19. 28 November 2025. Xtratherm Limited	235320	Cl. 35. 20 November 2025. Lynch Brothers Licensing Corporation
233137	Cl. 3, Cl. 5. 27 November 2025. Kenvue Inc.	235957	Cl. 5. 14 November 2025. Kenvue Inc.
233161	Cl. 5. 17 November 2025. Medtech Products, Inc.	237674	Cl. 16, Cl. 26. 23 November 2025. KURETAKE CO., LTD.
233163	Cl. 5. 17 November 2025. Medtech Products, Inc.	238543	Cl. 16, Cl. 35, Cl. 41. 22 November 2025. THE CHAMBERS OF COMMERCE OF IRELAND LIMITED
233164	Cl. 5. 17 November 2025. Medtech Products, Inc.	239428	Cl. 35, Cl. 38, Cl. 41. 21 November 2025. BERNDSON SP. ZO.O.
233165	Cl. 5. 17 November 2025. Medtech Products, Inc.	239488	Cl. 10. 27 November 2025. JOHNSON & JOHNSON
233167	Cl. 5. 17 November 2025. Medtech Products, Inc.	241842	Cl. 21, Cl. 31. 10 November 2025. Irepak Limited
233169	Cl. 42. 15 November 2025. MATHESON	253989	Cl. 25. 02 November 2025. Lucrezia Colonna di Stigliano
233207	Cl. 16, Cl. 35, Cl. 41. 06 November 2025. IRISH INSTITUTE OF LEGAL EXECUTIVES LIMITED	253991	Cl. 41. 03 November 2025. Seán McCarthy
233214	Cl. 29, Cl. 30, Cl. 32, Cl. 43. 16 November 2025. Munchies Dining Limited	253995	Cl. 35, Cl. 37, Cl. 38, Cl. 42. 03 November 2025. Sierra Communications Limited
233225	Cl. 19. 20 November 2025. SIG Trading (Ireland) Limited	254005	Cl. 3. 03 November 2025. CLERMON ET ASSOCIES
233226	Cl. 19. 20 November 2025. SIG Trading (Ireland) Limited	254006	Cl. 29. 03 November 2025. Aldi Stores (Ireland) Limited
233229	Cl. 19. 20 November 2025. SIG Trading (Ireland) Limited	254037	Cl. 30. 04 November 2025. Liz Carey
233317	Cl. 9. 30 November 2025. MyPayroll Limited	254039	Cl. 3, Cl. 5. 05 November 2025. Unilever Global IP Limited
233318	Cl. 9. 30 November 2025. COLLSOFT LIMITED	254041	Cl. 14. 05 November 2025. Chanel Limited
233542	Cl. 14, Cl. 15, Cl. 25, Cl. 30, Cl. 35, Cl. 41, Cl. 43. 03 November 2025. SLATTERY'S LIMITED	254047	Cl. 5. 06 November 2025. ANIMAX LTD
		254048	Cl. 29, Cl. 30, Cl. 43. 05 November 2025. IMP Ltd
		254049	Cl. 12. 06 November 2025. Kia Corporation
		254050	Cl. 12. 06 November 2025. Kia Corporation

254052	Cl. 42. 04 November 2025. John O Connell	254149	Cl. 33. 01 December 2025. Irish American Whiskey Company LLC
254057	Cl. 12, Cl. 20, Cl. 35. 10 November 2025. Michael Crowe Limited	254150	Cl. 33. 01 December 2025. Irish American Whiskey Company LLC
254060	Cl. 36. 10 November 2025. Cardinal Court Ltd. T/A Bru Columbanus	254151	Cl. 33. 01 December 2025. Irish American Whiskey Company LLC
254061	Cl. 5. 10 November 2025. Bayer Intellectual Property GmbH	254153	Cl. 33. 01 December 2025. ROSC & CO. HOLDINGS LIMITED
254063	Cl. 33. 10 November 2025. PERSSE'S GALWAY WHISKEY LIMITED	254155	Cl. 9, Cl. 35, Cl. 38. 27 November 2025. Eircom Limited
254069	Cl. 10. 11 November 2025. ATLANTIC THERAPEUTICS LIMITED	254156	Cl. 9, Cl. 35, Cl. 38. 27 November 2025. Eircom Limited
254073	Cl. 35. 09 November 2025. CPL Resources Limited	254158	Cl. 9, Cl. 35, Cl. 38. 27 November 2025. Eircom Limited
254088	Cl. 35, Cl. 43. 16 November 2025. Bear space ltd	254159	Cl. 9, Cl. 38, Cl. 41. 27 November 2025. Eircom Limited
254089	Cl. 35, Cl. 43. 16 November 2025. Bear space ltd	254163	Cl. 3. 26 November 2025. Kenvue Inc.
254094	Cl. 29, Cl. 30, Cl. 43. 03 November 2025. HYAT SYED	254165	Cl. 25. 04 November 2025. MARKHOR CLUB LTD.
254096	Cl. 9, Cl. 35, Cl. 36, Cl. 38, Cl. 41, Cl. 42, Cl. 45. 13 November 2025. Liam Moore	254166	Cl. 25. 04 November 2025. MARKHOR CLUB LTD.
254105	Cl. 12, Cl. 41, Cl. 42, Cl. 44. 13 November 2025. Alan Tracey	254168	Cl. 41. 30 November 2025. Kevin Macartan Monahan
254110	Cl. 6. 20 November 2025. Shop Direct Home Shopping Limited	254170	Cl. 30. 01 December 2025. MICHAEL O'DWYER
254111	Cl. 9. 20 November 2025. Ocrex Limited	254171	Cl. 32. 23 November 2025. LIDL STIFTUNG & CO. KG
254112	Cl. 35, Cl. 44. 20 November 2025. NORTHERN LIGHTS LIFE LIMITED	254172	Cl. 33. 01 December 2025. Irish American Whiskey Company LLC
254113	Cl. 20. 19 November 2025. BTS EUCOM Limited	254176	Cl. 9, Cl. 45. 01 December 2025. John Molloy
254114	Cl. 29. 19 November 2025. Norma Dinneen	254177	Cl. 9, Cl. 39. 27 November 2025. Nightline Logistics Group
254116	Cl. 5. 20 November 2025. Novartis AG	254178	Cl. 9, Cl. 39. 27 November 2025. Nightline Logistics Group
254117	Cl. 5. 20 November 2025. Novartis AG	254179	Cl. 33. 01 December 2025. Irish American Whiskey Company LLC
254118	Cl. 41. 21 November 2025. Cork Operatic Society	254181	Cl. 33. 01 December 2025. Irish American Whiskey Company LLC
254122	Cl. 5. 25 November 2025. GLANBIA PLC.	254191	Cl. 5. 01 December 2025. SLAINTE EOL TEORANTA
254128	Cl. 30. 24 November 2025. DUNHILLS (PONTEFRAC) PLC	254200	Cl. 7, Cl. 8, Cl. 11, Cl. 21. 16 November 2025. Meyer Intellectual Properties Limited
254134	Cl. 35, Cl. 36. 25 November 2025. Alder Capital Designated Activity Company	254203	Cl. 1, Cl. 19. 01 December 2025. Oran Symes T/A Tiles at a click
254136	Cl. 9, Cl. 35, Cl. 44. 09 November 2025. Portia Quinn	254233	Cl. 5. 12 November 2025. SHS INTERNATIONAL LTD.
254141	Cl. 5. 30 November 2025. Solvotrin Therapeutics Limited	254238	Cl. 35. 09 November 2025. Run Logic Ltd
254143	Cl. 30. 30 November 2025. Wafra for Food Industries limited liability Company	254249	Cl. 33. 01 December 2025. Irish American Whiskey Company LLC
254144	Cl. 30. 30 November 2025. Wafra for Food Industries limited liability Company	254251	Cl. 33. 01 December 2025. Irish American Whiskey Company LLC
254148	Cl. 42. 01 December 2025. Simply Workflow Limited	254266	Cl. 9, Cl. 35, Cl. 36, Cl. 41. 11 November 2025. PintAid Limited

254298	Cl. 7. 02 November 2025. INDUSTRIAL HANDLING SOLUTIONS LTD
254305	Cl. 43. 29 November 2025. MARGARET CAULFIELD
254415	Cl. 36, Cl. 42. 19 November 2025. Allied Irish Banks PLC
254416	Cl. 36, Cl. 42. 19 November 2025. Allied Irish Banks PLC
254417	Cl. 36, Cl. 42. 19 November 2025. Allied Irish Banks PLC
254443	Cl. 35, Cl. 41. 12 November 2025. Aegis Trademarks BV
254460	Cl. 7, Cl. 11. 06 November 2025. Candy Hoover Group Srl
254619	Cl. 5. 10 November 2025. Bayer Intellectual Property GmbH
254695	Cl. 40. 26 November 2025. SEA POWER LTD
254697	Cl. 40. 26 November 2025. SEA POWER LTD
254709	Cl. 9, Cl. 16, Cl. 35, Cl. 37, Cl. 39. 05 November 2025. Fónua Limited
254728	Cl. 35, Cl. 39, Cl. 41, Cl. 42, Cl. 43. 12 November 2025. Yam Kuen Cheung
254854	Cl. 35. 13 November 2025. Shop Direct Home Shopping Limited
254934	Cl. 10. 13 November 2025. ATLANTIC THERAPEUTICS LIMITED
255023	Cl. 36. 19 November 2025. Allied Irish Banks PLC
255091	Cl. 16, Cl. 33, Cl. 41, Cl. 43. 04 November 2025. KILRONAN CASTLE LTD
255175	Cl. 41. 09 November 2025. CORAL MINT LIMITED
255192	Cl. 32. 10 November 2025. Rosc & Co Limited
255823	Cl. 9, Cl. 16, Cl. 35, Cl. 41, Cl. 42, Cl. 44. 27 November 2025. MILES-BRAMWELL EXECUTIVE SERVICES LIMITED
255846	Cl. 3, Cl. 5. 19 November 2025. BAYER CONSUMER CARE AG
256658	Cl. 29. 06 November 2025. MONTAGU DRIED FRUIT & NUTS (PROPRIETARY) LIMITED

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

47018a	Cl. 30. GALA COFFEE LTD
65483	Cl. 3. BEIERSDORF AG
65651	Cl. 29. SOCIETE DES PRODUITS NESTLE S.A.
65652	Cl. 20. THE OHIO MATTRESS COMPANY LICENSING AND COMPONENTS GROUP
66479	Cl. 3. Unilever Global IP Limited
66554	Cl. 30. Allied Domecq Spirits & Wine Limited
76594	Cl. 5. INTERVET INTERNATIONAL B.V.
76735	Cl. 6. PEM Management, Inc
77566	Cl. 30. CADBURY UK LIMITED
111066	Cl. 2. AKZO NOBEL COATINGS INTERNATIONAL B.V.
111214	Cl. 5. PINWOOD LABORATORIES LIMITED
111336	Cl. 30. BATCHELORS
111337	Cl. 30. BATCHELORS
111339	Cl. 3. SHISEIDO FINE TOILETRY CO. LIMITED
111340	Cl. 5. SHISEIDO FINE TOILETRY CO. LIMITED
111343	Cl. 5. PINWOOD LABORATORIES LIMITED
111595	Cl. 16. ADVANCE MAGAZINE PUBLISHERS, INC.
111815	Cl. 9. Avago Technologies International Sales Pte. Limited
111987	Cl. 3. Novartis Grimsby Limited
111988	Cl. 5. Novartis Grimsby Limited
112279	Cl. 30. Broadview Ventures Limited
112291	Cl. 10. B. BRAUN MELSUNGEN AG
112576	Cl. 32. BATCHELORS
112579	Cl. 1. CRODA INTERNATIONAL PLC
112580	Cl. 4. CRODA INTERNATIONAL PLC
112581	Cl. 1. CRODA INTERNATIONAL PLC
112582	Cl. 1. CRODA INTERNATIONAL PLC
112893	Cl. 5. B. BRAUN MELSUNGEN AG
113477	Cl. 5. LAVIPHARM GROUP HOLDING
113478	Cl. 30. Koninklijke Douwe Egberts B.V.
114359	Cl. 12. FCA Italy S.p.A., (in extended form Fiat Chrysler Automobiles Italy S.p.A. and in brief Fiat Group Automobiles S.p.A. and Fiat Auto S.p.A.)
114663	Cl. 16. SCHOOL ZONE PUBLISHING COMPANY

115230	Cl. 9. EXXON MOBIL CORPORATION	252951	Cl. 35, 41. Sean McFadden
115231	Cl. 16. EXXON MOBIL CORPORATION	252956	Cl. 35. Charl Dominic Coetzee
118833	Cl. 17. I.V.G. COLBACHINI S.P.A.	252961	Cl. 28, 41. Colin Duffy
118834	Cl. 17. I.V.G. COLBACHINI S.P.A.	252963	Cl. 5. Solvotrin Therapeutics Ltd
231954	Cl. 10. Integra Burlington MA, Inc.	252968	Cl. 9. Jan Trzcinski
231955	Cl. 10. Integra Burlington MA, Inc.	252976	Cl. 35. WALKER HAMILL LIMITED
232041	Cl. 39. Bord Gáis Energy Limited	252977	Cl. 33. John McGarvey
232045	Cl. 5. Teva Laboratories UK Limited	252982	Cl. 33. P J Rigney Distillery and International Brands Limited
232054	Cl. 5. BRISTOL-MYERS SQUIBB COMPANY	252984	Cl. 1. Agway Milling Ltd
232057	Cl. 5. Wyeth LLC	252988	Cl. 41. Sean Judge
232095	Cl. 12. SDI (Wigan) IP Limited	253000	Cl. 39. Trevor Gately
232117	Cl. 10. Dentsply IH AB	253002	Cl. 35. The Birr Trustee Company Limited
232132	Cl. 5. BASF Agro B.V., Arnhem (NL), Zweigniederlassung Freienbach	253022	Cl. 25, 41. IRISH AMERICAN FOOTBALL ASSOCIATION
232145	Cl. 20. BRIGID SEALY	253024	Cl. 25. STEPHEN DUNNE
232168	Cl. 41. WORK AT HEIGHT TRAINING LTD	253027	Cl. 44. Dr James McDaid
232213	Cl. 18. CHANTELLE	253028	Cl. 35, 36, 37, 39, 42, 45. Halfords Limited
232243	Cl. 25, 28. Eoghan Sheehan	253029	Cl. 38. Vu2Vu
232291	Cl. 35, 36, 41, 42. THE SUSTAINABLE ENERGY AUTHORITY OF IRELAND	253041	Cl. 36. Paul Fagan
232292	Cl. 3, 5, 16. GEORGIA-PACIFIC S.à.r.l.	253052	Cl. 45. Kinley Legal
232627	Cl. 32. Diageo Ireland Unlimited Company	253055	Cl. 42. JOSEPH MAHON
232628	Cl. 32. Diageo Ireland Unlimited Company	253057	Cl. 30. Inchydoney Ice Cream Limited
232827	Cl. 16, 35, 41. LIBRARY ASOCIATION OF IRELAND	253067	Cl. 1. Brandon Products Ltd
232919	Cl. 3. THE PROCTER & GAMBLE COMPANY	253070	Cl. 10, 44. Gerard Egan
233111	Cl. 17, 39. DP LENTICULAR LIMITED	253073	Cl. 41. Sean McCarthy
233213	Cl. 6, 37. KCC LIMITED	253075	Cl. 41. Sean McCarthy
234602	Cl. 36. NIALL BRENNAN	253082	Cl. 42. CloudCARDS Limited
243181	Cl. 18. RADLEY + CO. LIMITED	253092	Cl. 25. David Cavanagh
252879	Cl. 35, 42. APPLIED RESEARCH FOR CONNECTED HEALTH (ARCH)	253094	Cl. 35, 36, 38. 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
252890	Cl. 41. Clare Mulvany	253095	Cl. 35, 36, 38. 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
252906	Cl. 41. TRAMP PRESS	253096	Cl. 9, 28. POWERKIDS ENTERTAINMENT (SINGAPORE) PTE. LIMITED
252912	Cl. 41, 43, 44. DUBLIN SOCIETY FOR PREVENTION OF CRUELTY TO ANIMALS	253100	Cl. 31. Fyffes International Unlimited Company
252919	Cl. 3. Aldi Stores (Ireland) Limited	253101	Cl. 33. Jim O'Connor
252920	Cl. 20. JAN TRZCINSKI	253105	Cl. 29, 35. ODAIOS LIMITED
252926	Cl. 5. CHANELLE MEDICAL	253106	Cl. 45. DAMIEN TANSEY
252927	Cl. 5. CHANELLE MEDICAL	253108	Cl. 44. Avinash Sohorye
252929	Cl. 41. Kevin Pim	253109	Cl. 44. Avinash Sohorye
252930	Cl. 9, 42. Dundalk Institute of Technology	253113	Cl. 38, 41. BAUER MEDIA AUDIO IRELAND LP
252937	Cl. 29, 30. McCain Foods (GB) Limited		
252943	Cl. 3. Alberto-Culver International, Inc.		
252944	Cl. 30. MICHAEL HEALY		
252949	Cl. 16, 39, 43. Michael Crawley		
252950	Cl. 16, 25, 26. Limerick and Clare Education and Training Board		

253114 Cl. 9, 16. John Joyce
253116 Cl. 35. Musgrave Limited
253120 Cl. 41. Doolin Tourism Co-Operative Society Limited
253142 Cl. 30, 32. SUNTORY BEVERAGE & FOOD LIMITED
253157 Cl. 11. Zbom Cabinets Co., Ltd
253160 Cl. 29. Dawn Group Limited
253172 Cl. 10. Smith & Nephew, Inc.
253175 Cl. 28. Sean O'Shaughnessy
253178 Cl. 35. OMD
253179 Cl. 25, 41. IRISH AMERICAN FOOTBALL ASSOCIATION
253219 Cl. 35, 36. MARKETS ALIVE SUPPORT TEAM LIMITED T/A MAST
253242 Cl. 25, 41. IRISH AMERICAN FOOTBALL ASSOCIATION
253326 Cl. 29. McCain Foods (GB) Limited
253339 Cl. 30, 43. TEA AND COFFEE WAREHOUSE LIMITED
253353 Cl. 29, 30. KNORR-NAHRMITTEL AKTIENGESELLSCHAFT
253359 Cl. 3, 29. MICHAEL CORBETT
253360 Cl. 3, 18, 25, 35. LPP SPÓŁKA AKCYJNA
253391 Cl. 41. FERGUS KELLY
253398 Cl. 39. TRAVELLING THE FAIRWAYS LIMITED
253419 Cl. 35, 41, 43, 44, 45. MAPLE HEALTHCARE LIMITED
253420 Cl. 35, 41, 43, 44, 45. MAPLE HEALTHCARE LIMITED
253436 Cl. 43. Kraze Enterprise Ltd.
253459 Cl. 32. Donnybrook Fair Limited
253510 Cl. 41. Irish Water Safety
253524 Cl. 9. Emoji Technologies Limited
253525 Cl. 9. Emoji Technologies Limited
253532 Cl. 25. JOHN FITZGERALD
253634 Cl. 38. EVET TELECOM LIMITED
253722 Cl. 36, 39, 44. DUBLIN SOCIETY FOR PREVENTION OF CRUELTY TO ANIMALS
253756 Cl. 38, 45. Ireland Reaching Out
254019 Cl. 9, 35, 36, 38, 41. IRISH LIFE ASSURANCE PLC
254022 Cl. 42. JOSEPH MAHON
254023 Cl. 9. Emoji Technologies Limited
254033 Cl. 3. Accantia Group Holdings
254070 Cl. 3, 21. JENNIFER SWAINE
254544 Cl. 9, 35, 41. Karen Brown
254666 Cl. 1, 31. Openfolde Limited
255029 Cl. 9, 35, 39, 41, 43, 45. Onur Simsek

255167 Cl. 35, 37, 41. GLENERGY LIMITED
257010 Cl. 9, 16, 35, 41, 44. Miles-Bramwell Executive Services Limited

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

252685 Cl. 2. Laydex Limited.

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.



1762203 01/08/2025

Class 7. Packaging machines; carton packers machines, case packers machines, case unpackers machines, palletizers, depalletisers machines, boxing machines, conveyors for palletized products and bulk products; parts and accessories for packaging machines not included in other classes; packaging machines for food; electrical apparatus for sealing plastics [packaging]; machines for sealing plastics [packaging]; conveyor; belt conveyors; robots for industrial use; robots for palletizer and depalletizer.

Class 37. Consultancy and information services relating to construction, maintenance and assistance; installation, modification, update,

modernization and replacement services for packaging machines; maintenance, servicing and repair of packaging machines.

TMG IMPIANTI S.p.A., Via Regia, 5, I-35018 San Martino di Lupari (PD), Italy

Representative: BUGNION S.p.A., Via Leone Pancaldo 68, I-37138 Verona (VR), Italy

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

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

1494130 DICEOFRA
Goods/Services remaining:
Class 41.
Gambling; services related to gambling; gaming services for entertainment purposes; casino, gaming and gambling services; provision of equipment for gambling halls; providing casino equipment [gambling]; gaming machine entertainment services; providing casino facilities [gambling]; gaming

hall services; amusement arcade services; games equipment rental; rental of gaming machines; providing amusement arcade services; rental of gaming machines with images of fruits; provision of gaming equipment for casinos; providing of casino facilities; online gambling services; casino, gaming and gambling services; provision of gaming establishments, gaming halls, internet casinos, online gaming services.

Date of Recordal of Cancellation:

25/11/2025

1288964

CRAZY FRIENDS

Goods/Services remaining:

Class 28.

Games, toys; gymnastic and sporting articles not included in other classes; decorations for Christmas trees; construction games, card games, manipulative games, parlor games, action toys, figurines (toys), construction toys, models (toys), scale model vehicles (toys); jigsaw puzzles.

Date of Recordal of Cancellation:

07/10/2025

1297691

Goods/Services remaining:

Class 28.

Games, toys; building games, manipulative games, parlor games, action toys, toy figures, construction toys, toy models, scale model vehicles (toys); jigsaw puzzles.

Date of Recordal of Cancellation:

07/10/2025
