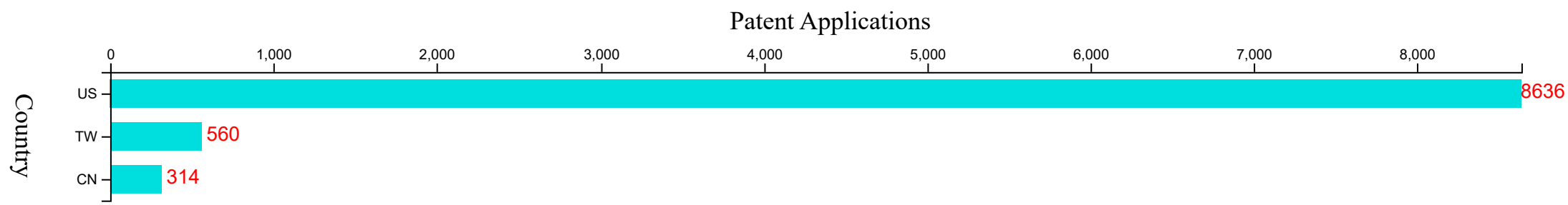


Patent Amount Patent Amount by Country

Patent Database : ALL

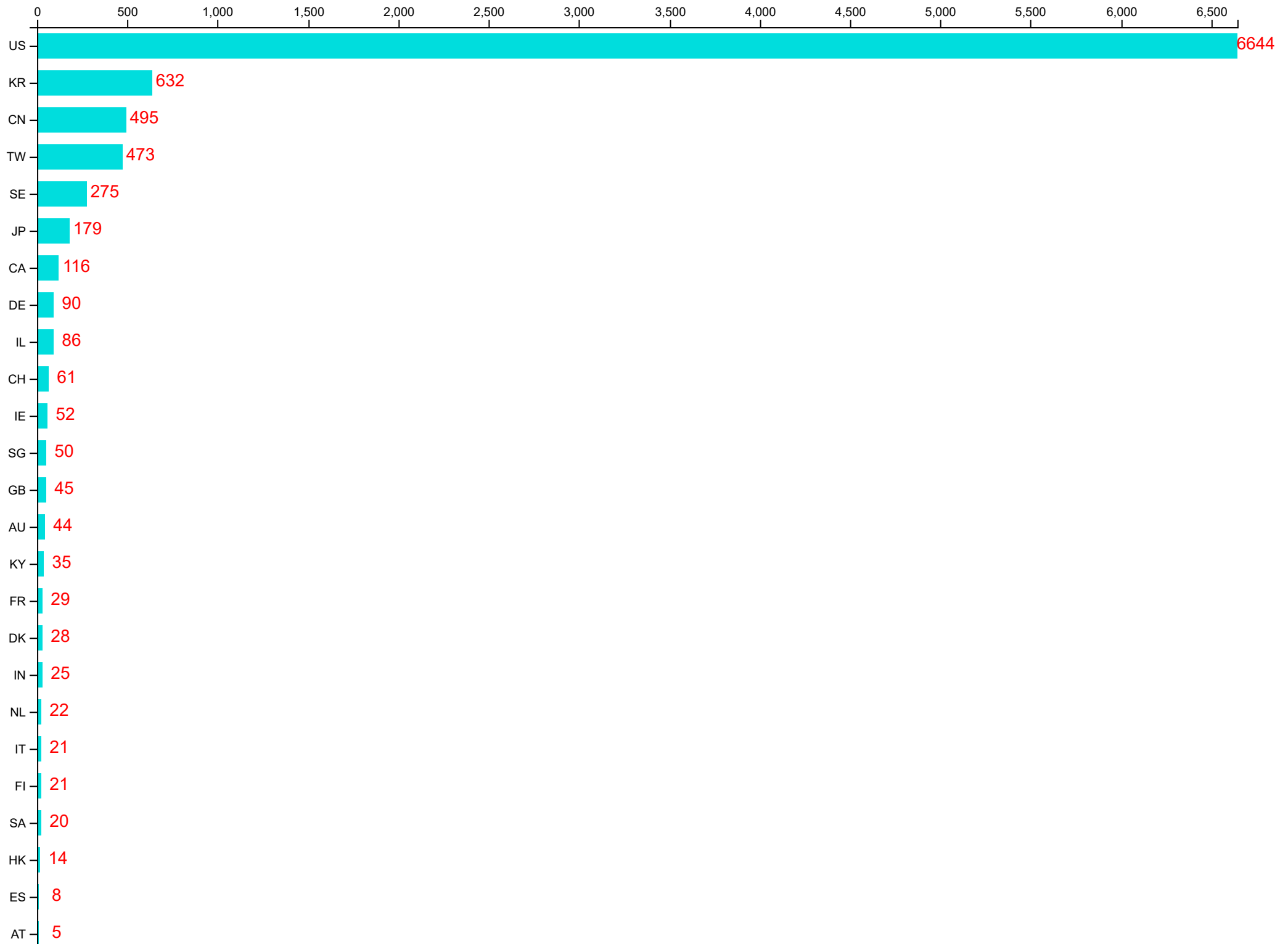
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Country	Patent applications Average 3170.00	Patentee Average 3145.00	Patent Applications/Patentee Average: 1.03
US	8636	8531	0.99
TW	560	569	1.02
CN	314	335	1.07

# Patent Applications



Country

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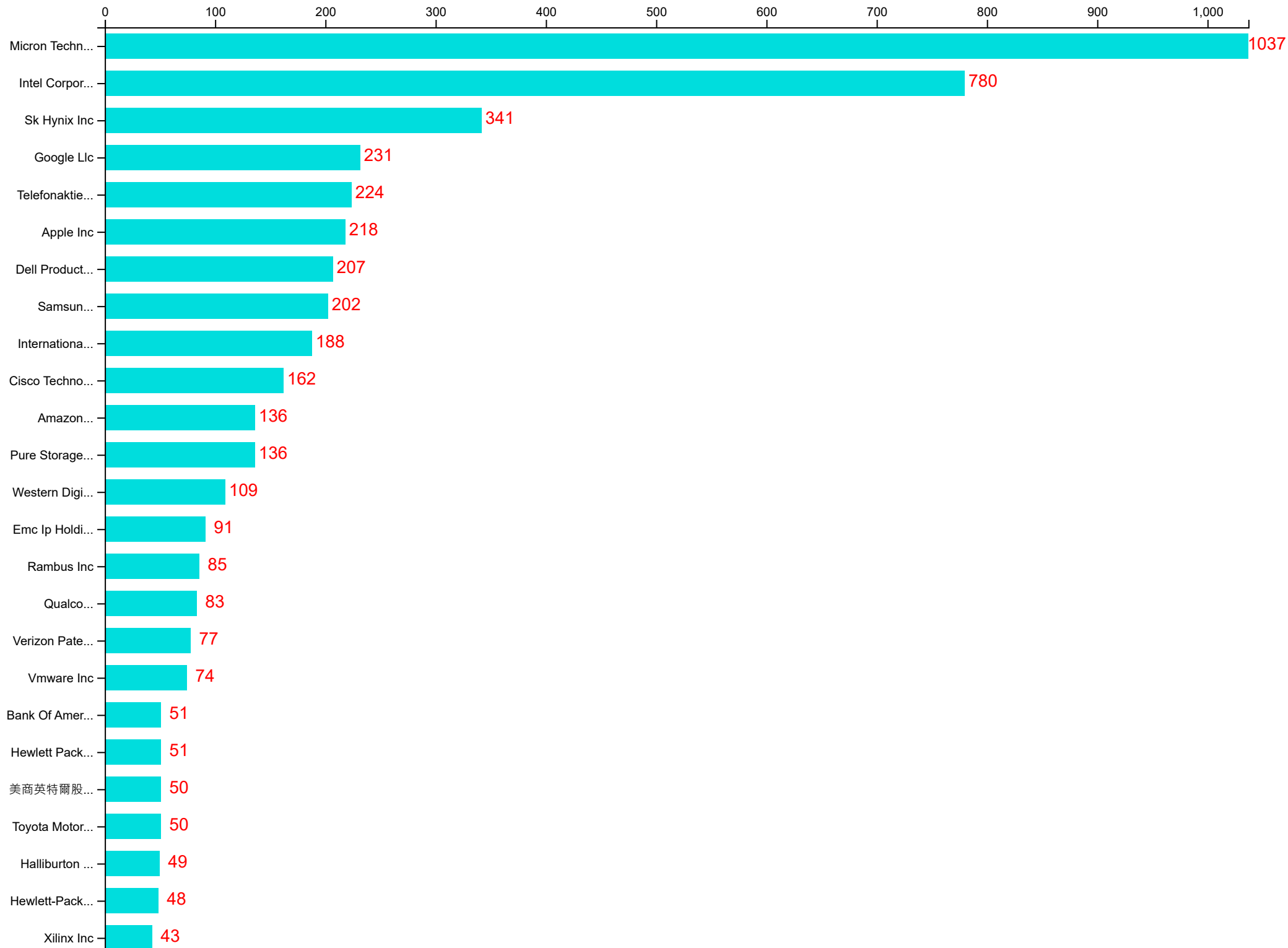
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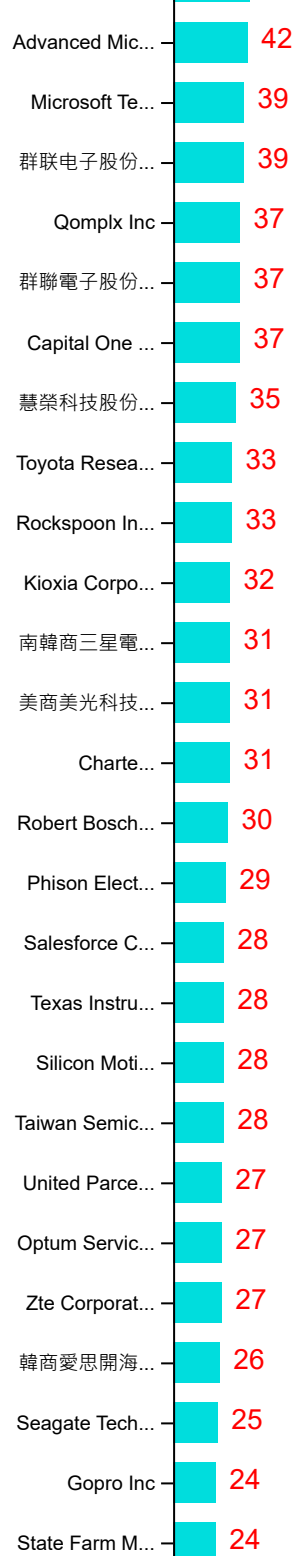
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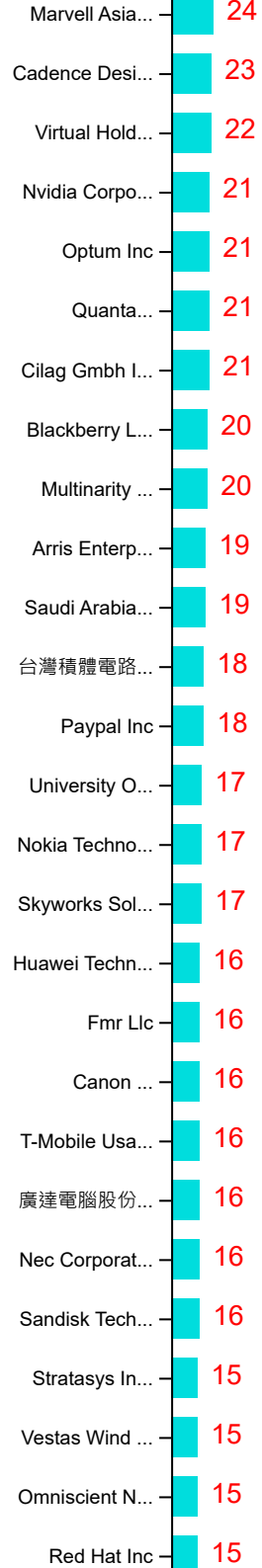
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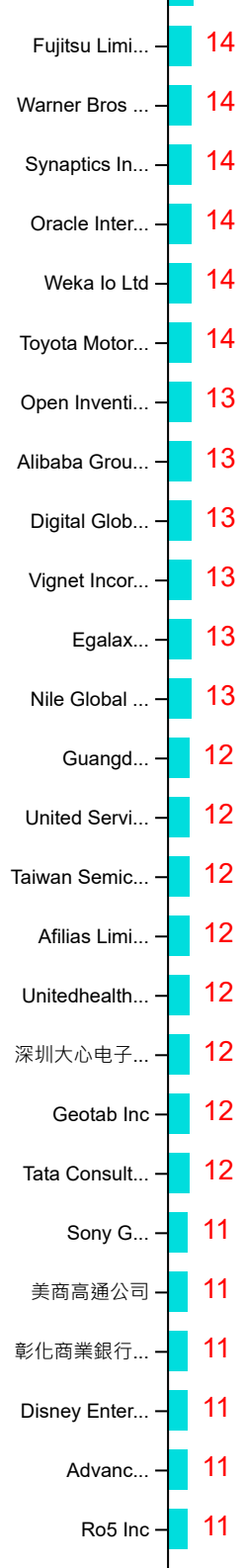
# Patent Applications











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<b>Patentee</b>	<b>Patent application Average 4.89</b>	<b>Proportion of patent applications</b>
Total	9510	100%
Micron Technology Inc	1037	10.9%
Intel Corporation	780	8.2%
Sk Hynix Inc	341	3.59%
Google Llc	231	2.43%
Telefonaktiebolaget Lm Ericsson Publ	224	2.36%
Apple Inc	218	2.29%
Dell Products L P	207	2.18%
Samsung Electronics Co Ltd	202	2.12%
International Business Machines Corporation	188	1.98%



Cisco Technology Inc	162	1.7%
Amazon Technologies Inc	136	1.43%
Pure Storage Inc	136	1.43%
Western Digital Technologies Inc	109	1.15%
Emc Ip Holding Company Llc	91	0.96%
Rambus Inc	85	0.89%
Qualcomm Incorporated	83	0.87%
Verizon Patent And Licensing Inc	77	0.81%
Vmware Inc	74	0.78%
Bank Of America Corporation	51	0.54%
Hewlett Packard Enterprise Development Lp	51	0.54%
美商英特爾股份有限公司	50	0.53%
Toyota Motor Engineering & Manufacturing North America Inc	50	0.53%
Halliburton Energy Services Inc	49	0.52%
Hewlett-Packard Development Company L P	48	0.51%
Xilinx Inc	43	0.45%
Advanced Micro Devices Inc	42	0.44%
Microsoft Technology Licensing Llc	39	0.41%
群联电子股份有限公司	39	0.41%
Qomplx Inc	37	0.39%
群聯電子股份有限公司	37	0.39%
Capital One Services Llc	37	0.39%
慧榮科技股份有限公司	35	0.37%
Toyota Research Institute Inc	33	0.35%
Rockspoon Inc	33	0.35%
Kioxia Corporation	32	0.34%

南韓商三星電子股份有限公司	31	0.33%
美商美光科技公司	31	0.33%
Charter Communications Operating Llc	31	0.33%
Robert Bosch Gmbh	30	0.32%
Phison Electronics Corp	29	0.31%
Salesforce Com Inc	28	0.29%
Texas Instruments Incorporated	28	0.29%
Silicon Motion Inc	28	0.29%
Taiwan Semiconductor Manufacturing Company Ltd	28	0.29%
United Parcel Service Of America Inc	27	0.28%
Optum Services Ireland Limited	27	0.28%
Zte Corporation	27	0.28%
韓商愛思開海力士有限公司	26	0.27%
Seagate Technology Llc	25	0.26%
Gopro Inc	24	0.25%
State Farm Mutual Automobile Insurance Company	24	0.25%
Marvell Asia Pte Ltd	24	0.25%
Cadence Design Systems Inc	23	0.24%
Virtual Hold Technology Solutions Llc	22	0.23%
Nvidia Corporation	21	0.22%
Optum Inc	21	0.22%
Quanta Computer Inc	21	0.22%
Cilag Gmbh International	21	0.22%
Blackberry Limited	20	0.21%
Multinarity Ltd	20	0.21%
Arris Enterprises Llc	19	0.2%
Saudi Arabian Oil Company	19	0.2%
台灣積體電路製造股份有限公司	18	0.19%
Paypal Inc	18	0.19%
University Of Florida Research Foundation Incorporated	17	0.18%
Nokia Technologies Oy	17	0.18%
Skyworks Solutions Inc	17	0.18%

Huawei Technologies Co Ltd	16	0.17%
Fmr Llc	16	0.17%
Canon Kabushiki Kaisha	16	0.17%
T-Mobile Usa Inc	16	0.17%
廣達電腦股份有限公司	16	0.17%
Nec Corporation	16	0.17%
Sandisk Technologies Llc	16	0.17%
Stratasys Inc	15	0.16%
Vestas Wind Systems A/s	15	0.16%
Omniscient Neurotechnology Pty Limited	15	0.16%
Red Hat Inc	15	0.16%
Fujitsu Limited	14	0.15%
Warner Bros Entertainment Inc	14	0.15%
Synaptics Incorporated	14	0.15%
Oracle International Corporation	14	0.15%
Weka Io Ltd	14	0.15%
Toyota Motor North America Inc	14	0.15%
Open Invention Network Llc	13	0.14%
Alibaba Group Holding Limited	13	0.14%
Digital Global Systems Inc	13	0.14%
Vignet Incorporated	13	0.14%
Egalax_Empia Technology Inc	13	0.14%
Nile Global Inc	13	0.14%
Guangdong Oppo Mobile Telecommunications Corp Ltd	12	0.13%
United Services Automobile Association Usaa	12	0.13%
Taiwan Semiconductor Manufacturing Co Ltd	12	0.13%
Afilias Limited	12	0.13%
Unitedhealth Group Incorporated	12	0.13%
深圳大心电子科技有限公司	12	0.13%
Geotab Inc	12	0.13%
Tata Consultancy Services Limited	12	0.13%
Sony Group Corporation	11	0.12%

美商高通公司	11	0.12%
彰化商業銀行股份有限公司	11	0.12%
Disney Enterprises Inc	11	0.12%
Advanced New Technologies Co Ltd	11	0.12%
Ro5 Inc	11	0.12%
Reservoir Labs Inc	11	0.12%
Atombeam Technologies Inc	11	0.12%
Onetrust Llc	11	0.12%
Sony Corporation	11	0.12%
瑞典商 L m 艾瑞克生 P u b l 電話公司	11	0.12%
Optum Technology Inc	11	0.12%
Arcam Ab	10	0.11%
Zurn Industries Llc	10	0.11%
Radian Memory Systems Inc	10	0.11%
南韓商韓領有限公司	10	0.11%
宏碁股份有限公司	10	0.11%
Siemens Aktiengesellschaft	10	0.11%
Lghorizon Llc	10	0.11%
Beijing Voyager Technology Co Ltd	10	0.11%
Cae Inc	10	0.11%
General Electric Company	10	0.11%
Medtronic Inc	9	0.1%
英業達股份有限公司	9	0.1%
Cyara Solutions Pty Ltd	9	0.1%
臺灣網路認證股份有限公司	9	0.1%
Lutron Technology Company Llc	9	0.1%
Sony Interactive Entertainment Inc	9	0.1%
Lucomm Technologies Inc	9	0.1%
Pensando Systems Inc	9	0.1%
Life Technologies Corporation	9	0.1%
日商佳能股份有限公司	9	0.1%
Veritas Technologies Llc	9	0.1%

Magic Leap Inc	9	0.1%
三星电子株式会社	8	0.08%
Target Brands Inc	8	0.08%
Mobileye Vision Technologies Ltd	8	0.08%
Ping An Technology Shenzhen Co Ltd	8	0.08%
Jrd Communication Shenzhen Ltd	8	0.08%
Splunk Inc	8	0.08%
Aristocrat Technologies Australia Pty Limited	8	0.08%
Liberty Mutual Insurance Company	8	0.08%
People Center Inc	8	0.08%
Icontrol Networks Inc	8	0.08%
Taptext Llc	8	0.08%
Sony Interactive Entertainment Llc	8	0.08%
Kepler Computing Inc	7	0.07%
Netlist Inc	7	0.07%
Cypress Semiconductor Corporation	7	0.07%
Hefei Core Storage Electronic Limited	7	0.07%
Icometrue Company Ltd	7	0.07%
Palo Alto Research Center Incorporated	7	0.07%
Hitachi Ltd	7	0.07%
Beijing Didi Infinity Technology And Development Co Ltd	7	0.07%
Accenture Global Solutions Limited	7	0.07%
Abb Schweiz Ag	7	0.07%
Ocient Holdings Llc	7	0.07%
Snap Inc	7	0.07%
Commvault Systems Inc	7	0.07%
Coupang Corp	7	0.07%
华为技术有限公司	7	0.07%
臺灣中小企業銀行股份有限公司	7	0.07%
Ge Precision Healthcare Llc	7	0.07%
谷歌有限责任公司	7	0.07%
苏州浪潮智能科技有限公司	7	0.07%

Entefy Inc	7	0.07%
Mastercard Technologies Canada Ulc	7	0.07%
Workhorse Group Inc	6	0.06%
大陸商合肥兆芯電子有限公司	6	0.06%
美商戴爾產品有限公司	6	0.06%
Meta Platforms Inc	6	0.06%
David A Taylor	6	0.06%
Visa International Service Association	6	0.06%
Tencent America Llc	6	0.06%
Yangtze Memory Technologies Co Ltd	6	0.06%
American Megatrends International Llc	6	0.06%
Acer Incorporated	6	0.06%
Cable Television Laboratories Inc	6	0.06%
Fg Innovation Company Limited	6	0.06%
Montage Technology Co Ltd	6	0.06%
Inmusic Brands Inc	6	0.06%
Sap Se	6	0.06%
Sr Technologies Inc	6	0.06%
Dexcom Inc	6	0.06%
香港商希瑞科技股份有限公司	6	0.06%
廈門市原子通電子科技有限公司	6	0.06%
Fanuc America Corporation	6	0.06%
Wago Verwaltungsgesellschaft Mbh	6	0.06%
Koninklijke Philips N V	6	0.06%
Lg Electronics Inc	6	0.06%
Tcl Research America Inc	6	0.06%
Ultrata Llc	6	0.06%
Neuroenhancement Lab Llc	6	0.06%
日商愛德萬測試股份有限公司	6	0.06%
Kyndryl Inc	6	0.06%
Enverus Inc	6	0.06%
Akkadian Enterprises	6	0.06%

Zoll Medical Corporation	6	0.06%
Schlumberger Technology Corporation	6	0.06%
Lineage Logistics Llc	6	0.06%
Broan-Nutone Llc	5	0.05%
Honeywell International Inc	5	0.05%
Gaming Arts Llc	5	0.05%
Blue Goji Llc	5	0.05%
武汉万象奥科电子有限公司	5	0.05%
Mayo Foundation For Medical Education And Research	5	0.05%
Advanced Neuromodulation Systems Inc	5	0.05%
Sunrise Memory Corporation	5	0.05%
Sanvean Technologies Llc	5	0.05%
神達數位股份有限公司	5	0.05%
Eyeverify Inc	5	0.05%
Northern Digital Inc	5	0.05%
Harman International Industries Incorporated	5	0.05%
Constru Ltd	5	0.05%
Telefonaktiebolaget L M Ericsson Publ	5	0.05%
D-Wave Systems Inc	5	0.05%
深圳市世纪创新显示电子有限公司	5	0.05%
G4S Retail Solutions Usa Inc	5	0.05%
禾瑞亞科技股份有限公司	5	0.05%
Maculogix Inc	5	0.05%
Perkins Engines Company Limited	5	0.05%
日商鎧俠股份有限公司	5	0.05%
广达电脑股份有限公司	5	0.05%
Deepsig Inc	5	0.05%
Cox Communications Inc	5	0.05%
Crossbar Inc	5	0.05%
Ricoh Company Ltd	5	0.05%
補丁科技股份有限公司	4	0.04%
Realtek Semiconductor Corp	4	0.04%

Imflux Inc	4	0.04%
Myndshft Technologies Inc	4	0.04%
Smith & Nephew Inc	4	0.04%
Netflix Inc	4	0.04%
Siteimprove A/s	4	0.04%
Nuvasive Specialized Orthopedics Inc	4	0.04%
Igt	4	0.04%
Situne Corporation	4	0.04%
Mitek Systems Inc	4	0.04%
Lenovo Enterprise Solutions Singapore Pte Ltd	4	0.04%
Nice Ltd	4	0.04%
Pb Inc	4	0.04%
Ebt Medical Inc	4	0.04%
Ortho Future Technologies Pty Ltd	4	0.04%
Futurewei Technologies Inc	4	0.04%
美商美超微電腦股份有限公司	4	0.04%
Enduvo Inc	4	0.04%
成真股份有限公司	4	0.04%
Exxonmobil Upstream Research Company	4	0.04%
Bombardier Recreational Products Inc	4	0.04%
Immersion Networks Inc	4	0.04%
Tesla Inc	4	0.04%
美商蘋果公司	4	0.04%
Bmc Software Inc	4	0.04%
Aurora Insight Inc	4	0.04%
Autodesk Inc	4	0.04%
Integrated Silicon Solution Cayman Inc	4	0.04%
Intellectual Ventures Holding 81 Llc	4	0.04%
Modl Ai Aps	4	0.04%
Royal Bank Of Canada	4	0.04%
Dsi Digital Llc	4	0.04%
Ford Global Technologies Llc	4	0.04%



Brian Sloan	4	0.04%
Ips Group Inc	4	0.04%
Illumina Inc	4	0.04%
Boardwalktech Inc	4	0.04%
Slack Technologies Llc	4	0.04%
Sleep Number Corporation	4	0.04%
Qualcomm Technologies Inc	4	0.04%
Massachusetts Institute Of Technology	4	0.04%
Iboss Inc	4	0.04%
Phosphorus Cybersecurity Inc	4	0.04%
Nxp Usa Inc	4	0.04%
Te Connectivity Solutions Gmbh	4	0.04%
Digitalglobe Inc	4	0.04%
Xl Hybrids	4	0.04%
Jumio Corporation	4	0.04%
Husqvarna Ab	4	0.04%
Movidius Ltd	4	0.04%
Shenzhen Keya Medical Technology Corporation	4	0.04%
技嘉科技股份有限公司	4	0.04%
Ocient Inc	4	0.04%
Seegene Inc	4	0.04%
Arm Limited	4	0.04%
美商凱普勒運算公司	4	0.04%
The Boeing Company	4	0.04%
Nanya Technology Corporation	4	0.04%
Ignion S L	3	0.03%
Tankbots Inc	3	0.03%
英业达科技有限公司	3	0.03%
Blueowl Llc	3	0.03%
Mbte Holdings Sweden Ab	3	0.03%
Voxx International Corporation	3	0.03%
Project Noa Inc	3	0.03%

Mastercard International Incorporated	3	0.03%
Neurohaptics Inc	3	0.03%
美商艾弗洛斯公司	3	0.03%
Portworx Inc	3	0.03%
University Of Central Florida Research Foundation Inc	3	0.03%
Nagravision S A	3	0.03%
Northwest Instrument Inc	3	0.03%
美商萬國商業機器公司	3	0.03%
Applied Materials Inc	3	0.03%
Memverge Inc	3	0.03%
First American Financial Corporation	3	0.03%
Gm Global Technology Operations Llc	3	0.03%
Intellectual Ventures Ii Llc	3	0.03%
Sifive Inc	3	0.03%
Sambanova Systems Inc	3	0.03%
Semiconductor Energy Laboratory Co Ltd	3	0.03%
Mcafee Llc	3	0.03%
Giga-Byte Technology Co Ltd	3	0.03%
Foxconn Kunshan Computer Connector Co Ltd	3	0.03%
Nuance Communications Inc	3	0.03%
Crusoe Energy Systems Llc	3	0.03%
網路家庭國際資訊股份有限公司	3	0.03%
Intuit Inc	3	0.03%
Lynx Md Ltd	3	0.03%
Lightbits Labs Ltd	3	0.03%
Fraunhofer-Gesellschaft Zur Forderung Der Angewandten Forschung E V	3	0.03%
Stmicroelectronics S R L	3	0.03%
Time Warner Cable Enterprises Llc	3	0.03%
奧洛依科技有限公司	3	0.03%
Fyusion Inc	3	0.03%
Titan Health & Security Technologies Inc	3	0.03%
Createme Technologies Llc	3	0.03%

广州市新视通电子有限公司	3	0.03%
Colortokens Inc	3	0.03%
Lexisnexis Risk Solutions Inc	3	0.03%
Georgia Tech Research Corporation	3	0.03%
Tormem Inc	3	0.03%
Perkinelmer Health Sciences Inc	3	0.03%
Endochoice Inc	3	0.03%
Cupp Computing As	3	0.03%
重庆创迪科技发展有限公司	3	0.03%
Virginia Tech Intellectual Properties Inc	3	0.03%
Wistron Corporation	3	0.03%
Milwaukee Electric Tool Corporation	3	0.03%
Nishant Shah	3	0.03%
Looking Glass Factory Inc	3	0.03%
Hand Held Products Inc	3	0.03%
Facetec Inc	3	0.03%
上海磁宇信息科技有限公司	3	0.03%
Keya Medical Technology Co Ltd	3	0.03%
美商甲骨文國際公司	3	0.03%
美商森恩萊斯記憶體公司	3	0.03%
环达电脑(上海)有限公司	3	0.03%
Smart Iops Inc	3	0.03%
Melih Abdulhayoglu	3	0.03%
美商谷歌有限責任公司	3	0.03%
Fujifilm Business Innovation Corp	3	0.03%
At&t Intellectual Property I L P	3	0.03%
苹果公司	3	0.03%
Wipro Limited	3	0.03%
Inseego Corp	3	0.03%
雙鴻科技股份有限公司	3	0.03%
Liquineq Ag	3	0.03%
Ademco Inc	3	0.03%

美商英特爾公司	3	0.03%
Actioniq Inc	3	0.03%
Acist Medical Systems Inc	3	0.03%
Iceotope Group Limited	3	0.03%
Accelercomm Limited	2	0.02%
Panasonic Avionics Corporation	2	0.02%
Thl Holding Company Llc	2	0.02%
Mohammad A Mazed	2	0.02%
Marvell Israel M I S L Ltd	2	0.02%
Avicenatech Corp	2	0.02%
Apex Neuro Holdings Inc	2	0.02%
Beijing Dajia Internet Information Technology Co Ltd	2	0.02%
Nyriad Limited	2	0.02%
Allegro Microsystems Llc	2	0.02%
Applied Medical Resources Corporation	2	0.02%
Ciena Corporation	2	0.02%
Homer T Hayward Lumber Co	2	0.02%
Micro Mobio Corporation	2	0.02%
Intellisense Systems Inc	2	0.02%
Nutanix Inc	2	0.02%
Schneider Electric Industries Sas	2	0.02%
Jeffrey D Thompson	2	0.02%
Deere & Company	2	0.02%
Cornell University	2	0.02%
Ticker Medical Ltd	2	0.02%
Taiwan Semiconductor Manufacturing Company Limited	2	0.02%
Bull Sas	2	0.02%
Technogym S P A	2	0.02%
Flow Control Llc	2	0.02%
Hrl Laboratories Llc	2	0.02%
Advanced Custom Engineered Systems & Equipment Co	2	0.02%
Allied Telesis Holdings K K	2	0.02%
Ember Technologies Inc	2	0.02%

Howmedica Osteonics Corp	2	0.02%
Medtronic Navigation Inc	2	0.02%
X Development Llc	2	0.02%
Infineon Technologies Ag	2	0.02%
Becton Dickinson And Company	2	0.02%
Moshun Llc	2	0.02%
Talkcycle Llc	2	0.02%
Walgreen Co	2	0.02%
Sphero Inc	2	0.02%
Silanna Asia Pte Ltd	2	0.02%
Arilou Information Security Technologies Ltd	2	0.02%
Stmicroelectronics Rousset Sas	2	0.02%
Telia Company Ab	2	0.02%
Shanghai Zhaoxin Semiconductor Co Ltd	2	0.02%
Verisign Inc	2	0.02%
University Of Cincinnati	2	0.02%
Swiss Reinsurance Company Ltd	2	0.02%
The General Hospital Corporation	2	0.02%
Yahoo Assets Llc	2	0.02%
Sew-Eurodrive Gmbh & Co Kg	2	0.02%
Neucures Inc	2	0.02%
Exini Diagnostics Ab	2	0.02%
Bullish Global	2	0.02%
University Of Pretoria	2	0.02%
Campfire 3D Inc	2	0.02%
Michael Phelan	2	0.02%
Hexagon Metrology Inc	2	0.02%
Dimitri Girault	2	0.02%
U-Blox Ag	2	0.02%
Delhivery Private Limited	2	0.02%
Liebherr-Components Biberach Gmbh	2	0.02%
Carmax Enterprise Services Llc	2	0.02%
Switch Ltd	2	0.02%

Thales S A	2	0.02%
Club Car Llc	2	0.02%
Medical Informatics Corp	2	0.02%
Musarubra Us Llc	2	0.02%
Trading Technologies International Inc	2	0.02%
Badvr Inc	2	0.02%
Integrated Energy Services Corporation	2	0.02%
Beijing Boe Optoelectronics Technology Co Ltd	2	0.02%
Monotype Imaging Inc	2	0.02%
Signify Holding B V	2	0.02%
Faraday Semi Inc	2	0.02%
Lightech Fiberoptics Inc	2	0.02%
Chioccoli Llc	2	0.02%
True Velocity Ip Holdings Llc	2	0.02%
Fluid Handling Llc	2	0.02%
Analog Devices International Unlimited Company	2	0.02%
Razer Asia-Pacific Pte Ltd	2	0.02%
Mabee Engineered Solutions Inc	2	0.02%
Manitou Italia S R L	2	0.02%
Stryker Corporation	2	0.02%
Artificial Solutions Iberia S L	2	0.02%
Peter C Salmon	2	0.02%
Uate Llc	2	0.02%
Silicon Motion Technology Hong Kong Limited	2	0.02%
Salesboost Llc	2	0.02%
Genetec Inc	2	0.02%
Toshiba Global Commerce Solutions Inc	2	0.02%
Ysi Inc	2	0.02%
Walmart Apollo Llc	2	0.02%
Checkups Corp	2	0.02%
Gn Hearing A/s	2	0.02%
Alti Llc	2	0.02%
Johnson Controls Technology Company	2	0.02%

Cisco Technologies Inc	2	0.02%
Novo Nordisk A/s	2	0.02%
Solomon Systech China Limited	2	0.02%
Avery Glasser	2	0.02%
Eyedaptic Inc	2	0.02%
Facebook Technologies Llc	2	0.02%
Samantree Medical Sa	2	0.02%
Datawatch Corporation	2	0.02%
Carnegie Mellon University	2	0.02%
Optimus Licensing Ag	2	0.02%
Jack Wade	2	0.02%
Jaguar Land Rover Limited	2	0.02%
Alcon Inc	2	0.02%
Innovations In Memory Llc	2	0.02%
Renesas Electronics Corporation	2	0.02%
Ecb Consulting Llc	2	0.02%
Neolab Convergence Inc	2	0.02%
Great Lakes Neurotechnologies Inc	2	0.02%
Caterpillar Inc	2	0.02%
Puck Hero Llc	2	0.02%
The Johns Hopkins University	2	0.02%
Msg Entertainment Group Llc	2	0.02%
Deepbrain Ai Inc	2	0.02%
Thomson Reuters Enterprise Centre Gmbh	2	0.02%
Carbice Corporation	2	0.02%
Edgy Bees Ltd	2	0.02%
Draftkings Inc	2	0.02%
Lone Gull Holdings Ltd	2	0.02%
Fidelity Information Services Llc	2	0.02%
Perkinelmer Informatics Inc	2	0.02%
Infrd Inc	2	0.02%
Landmark Graphics Corporation	2	0.02%
Etsy Inc	2	0.02%

Inventec Pudong Technology Corporation	2	0.02%
Fmad Engineering Kabushiki Gaisha	2	0.02%
合肥市卓怡恒通信息安全有限公司	2	0.02%
常州市晶晓电子有限公司	2	0.02%
Babelworks Ai Inc	2	0.02%
Workspot Inc	2	0.02%
Chengdu Qixingtian Intellectual Property Agency Ltd	2	0.02%
明源工业股份有限公司	2	0.02%
Tibco Software Inc	2	0.02%
鯨鏈科技股份有限公司	2	0.02%
國泰世華商業銀行股份有限公司	2	0.02%
General Dynamics Mission Systems Inc	2	0.02%
Dialog Semiconductor Uk Limited	2	0.02%
瑞昱半導體股份有限公司	2	0.02%
Baskaran Dharmarajan	2	0.02%
Arizona Board Of Regents On Behalf Of Arizona State University	2	0.02%
Michael H Panosian	2	0.02%
Atc Technologies Llc	2	0.02%
神雲科技股份有限公司	2	0.02%
Teamsolve Pte Ltd	2	0.02%
San Diego State University Research Foundation	2	0.02%
中船重工（武汉）凌久电子有限责任公司	2	0.02%
Dspace Digital Signal Processing And Control Engineering Gmbh	2	0.02%
Ati Technologies Ulc	2	0.02%
晶豪科技股份有限公司	2	0.02%
Advantest Corporation	2	0.02%
Pelstar Llc	2	0.02%
Arista Networks Inc	2	0.02%
Progenics Pharmaceuticals Inc	2	0.02%
Hyundai Motor Company	2	0.02%
Siemens Healthcare Gmbh	2	0.02%
The George Washington University	2	0.02%



Netskope Inc	2	0.02%
Yendo Hu	2	0.02%
Highlands Llc	2	0.02%
Allison Transmission Inc	2	0.02%
Carrier Corporation	2	0.02%
Hubbell Lighting Inc	2	0.02%
The United States Of America As Represented By The Secretary Of The Navy	2	0.02%
微星科技股份有限公司	2	0.02%
上海集光安防科技股份有限公司	2	0.02%
聯發科技股份有限公司	2	0.02%
大陸商合肥沛睿微電子股份有限公司	2	0.02%
Realtek Semiconductor Corporation	2	0.02%
Cfph Llc	2	0.02%
威盛電子股份有限公司	2	0.02%
Icu Medical Inc	2	0.02%
Rivia Health Inc	2	0.02%
Shutterstock Inc	2	0.02%
深圳市金邦科技发展有限公司	2	0.02%
Cyph Inc	2	0.02%
High Sec Labs Ltd	2	0.02%
Team Group Inc	2	0.02%
Hubbell Incorporated	2	0.02%
Westfall Acquisition Iii Inc	2	0.02%
Acqueon Technologies Inc	2	0.02%
Oversec Uab	2	0.02%
Kishore Daggubati	2	0.02%
玉山商業銀行股份有限公司	2	0.02%
Csa Medical Inc	2	0.02%
Omega Ophthalmics Llc	2	0.02%
林瑞珠	2	0.02%
華碩電腦股份有限公司	2	0.02%
Ares Technologies Inc	2	0.02%

Sinchtech Covers Llc	2	0.02%
Otsuka America Pharmaceutical Inc	2	0.02%
Tel China Star Optoelectronics Technology Co Ltd	2	0.02%
美商聖巴諾瓦系統公司	2	0.02%
Medtronic Ardian Luxembourg S A R L	2	0.02%
搏盟科技股份有限公司	2	0.02%
西安旌旗电子股份有限公司	2	0.02%
Aisin Technical Center Of America Inc	2	0.02%
Fanuc Corporation	2	0.02%
Nokia Solutions And Networks Oy	2	0.02%
Linc Global Inc	2	0.02%
Toshiba Memory Corporation	2	0.02%
潤昇系統測試股份有限公司	2	0.02%
李贞文	2	0.02%
Turion Corporation	2	0.02%
David Comeau	2	0.02%
Xiamen Pvtech Co Ltd	2	0.02%
深圳市奧洛依电子科技有限公司	2	0.02%
南亞科技股份有限公司	2	0.02%
Volvo Car Corporation	2	0.02%
Fujifilm Sonosite Inc	2	0.02%
Forcepoint Llc	2	0.02%
Trev Labs Llc	2	0.02%
緯創資通股份有限公司	2	0.02%
Attune Media Labs Pbc	2	0.02%
Roth Technologies Llc	2	0.02%
Universal Research Solutions Llc	2	0.02%
南韓商愛思開海力士有限公司	2	0.02%
Red Bend Ltd	2	0.02%
Corlina Inc	2	0.02%
Blackthorn Therapeutics Inc	2	0.02%
Samsung Display Co Ltd	2	0.02%

Zebra Technologies Corporation	2	0.02%
Stulz Air Technology Systems Inc	2	0.02%
Refinitiv Us Organization Llc	2	0.02%
Orange	2	0.02%
大陸商昆山吉崑微電子科技有限公司	2	0.02%
Whisker Labs Inc	2	0.02%
Hcl Technologies Limited	2	0.02%
Xecta Intelligent Production Services	2	0.02%
Quobyte Inc	2	0.02%
阿里巴巴集团控股有限公司	2	0.02%
Piecemakers Technology Inc	2	0.02%
Ai Concepts Llc	2	0.02%
Shanghai United Imaging Healthcare Co Ltd	2	0.02%
珀金埃尔默健康科学有限公司	2	0.02%
Nxp B V	2	0.02%
Abbott Diabetes Care Inc	2	0.02%
Smith & Nephew Plc	2	0.02%
Mitsubishi Electric Research Laboratories Inc	2	0.02%
Spire Global Subsidiary Inc	2	0.02%
Lo3 Energy Inc	2	0.02%
Fermat International Inc	2	0.02%
Photonic Medical Inc	2	0.02%
三商電腦股份有限公司	2	0.02%
Stress Engineering Services Inc	2	0.02%
睿寬智能科技有限公司	2	0.02%
Raytheon Company	2	0.02%
Ingeniospec Llc	2	0.02%
Radio Systems Corporation	2	0.02%
森富科技股份有限公司	2	0.02%
旺宏電子股份有限公司	2	0.02%
Navitaire Llc	2	0.02%
Graphcore Limited	2	0.02%

Performance Designed Products Llc	2	0.02%
Galvion Soldier Power Llc	2	0.02%
Terry L Ancar	2	0.02%
Ix Innovation Llc	2	0.02%
Episode Six Inc	2	0.02%
新唐科技股份有限公司	2	0.02%
瑞典商 L m 艾瑞克生 ( P u b l ) 電話公司	2	0.02%
Here Global B V	2	0.02%
Globallogic Inc	2	0.02%
The Toronto-Dominion Bank	2	0.02%
円星科技股份有限公司	2	0.02%
Ava Labs Inc	2	0.02%
Kurt Schramm	1	0.01%
Jigtalk App Limited	1	0.01%
Ursanav Inc	1	0.01%
Druva Inc	1	0.01%
Life Technologies Holdings Pte Limited	1	0.01%
Innolux Corporation	1	0.01%
Magna Closures Inc	1	0.01%
Smartdeployai Llc	1	0.01%
Semiconductor Devices Ltd	1	0.01%
Gatekeeper Ltd	1	0.01%
Mymedicalimages Com Llc	1	0.01%
Baker Hughes Oilfield Operations Llc	1	0.01%
Servicenow Canada Inc	1	0.01%
Gregory Knox	1	0.01%
Guangzhou Xiaopeng Autopilot Technology Co Ltd	1	0.01%
Neuroolutions Inc	1	0.01%
Beijing Shunyuanyuan Kaihua Technology Limited	1	0.01%
Suteng Innovation Technology Co Ltd	1	0.01%
Neuropace Inc	1	0.01%
Wuxi Kalannipu Thermal Management Technology Co Ltd	1	0.01%

Floqqe Llc	1	0.01%
Packsize Llc	1	0.01%
Aclara Technologies Llc	1	0.01%
Huawei Cloud Computing Technologies Co Ltd	1	0.01%
Zaru Inc	1	0.01%
Indiavidual Learning Pvt Ltd	1	0.01%
Bloom Technologies Nv	1	0.01%
Institut Mines Telecom	1	0.01%
Michael Edward Klicpera	1	0.01%
Global Eprocure	1	0.01%
Industry Academy Cooperation Foundation Of Sejong University	1	0.01%
Progenies Pharmaceuticals Inc	1	0.01%
Salesforce Inc	1	0.01%
Capital Thought Holdings L L C	1	0.01%
Machinometrics Inc	1	0.01%
Commissariat À L"energie Atomique Et Aux Energies Alternatives	1	0.01%
Andrew M Schler	1	0.01%
Mediatek Singapore Pte Ltd	1	0.01%
Cardiosolv Ablation Technologies Inc	1	0.01%
Gowin Semiconductor Corporation	1	0.01%
Precognize Ltd	1	0.01%
Ambertag Inc	1	0.01%
Joshua Huang	1	0.01%
Celligence International Llc	1	0.01%
Destroke Inc	1	0.01%
Agile Worx Llc	1	0.01%
Lomotif Private Limited	1	0.01%
Innotech Precision Medicine Inc	1	0.01%
New York Stem Cell Foundation Inc	1	0.01%
Black Sesame Technologies Inc	1	0.01%
Stackblitz Inc	1	0.01%
Bismark Fernandez	1	0.01%
Marmon Foodservice Technologies Inc	1	0.01%

Dysruptek Llc	1	0.01%
Converzai Inc	1	0.01%
Hyperloop Technologies Inc	1	0.01%
Rim Jaradeh	1	0.01%
Urban Sky Llc	1	0.01%
The Travelers Indemnity Company	1	0.01%
Illuscio Inc	1	0.01%
Neutrace Inc	1	0.01%
Honda Motor Co Ltd	1	0.01%
Cirrus Logic Inc	1	0.01%
American Tire Distributors Inc	1	0.01%
Costar Realty Information Inc	1	0.01%
Hyland Uk Operations Limited	1	0.01%
D2L Corporation	1	0.01%
Transactive Grid Inc	1	0.01%
Omgiva Llc	1	0.01%
Chenbro Micom Co Ltd	1	0.01%
Alibaba Singapore Holding Private Limited	1	0.01%
Alpha Networks Inc	1	0.01%
Fraunhofer-Gesellschaft Zur Forderund Der Angewandten Forschung E V	1	0.01%
Payforward Llc	1	0.01%
Daisy Intelligence Corporation	1	0.01%
Yunding Network Technology Beijing Co Ltd	1	0.01%
Teratech Corporation	1	0.01%
Textron Innovations Inc	1	0.01%
Calamp Corp	1	0.01%
Dormakaba Schweiz Ag	1	0.01%
Incuvate Llc	1	0.01%
Tunghsu Group Co Ltd	1	0.01%
Cfa Properties Inc	1	0.01%
Video Gaming Technologies Inc	1	0.01%
Draegerwerk Ag & Co Kгаа	1	0.01%
Vita-Course Technologies Co Ltd	1	0.01%

Air Cool Industrial Co Ltd	1	0.01%
Sanmina Corporation	1	0.01%
Nickey Joe Atchison	1	0.01%
Ancestry Com Operations Inc	1	0.01%
Softweave Ltd	1	0.01%
Vishnu Sundaram	1	0.01%
Very Intelligent Ecommerce Inc	1	0.01%
Sentrycard Technologies Inc	1	0.01%
Cryovac Llc	1	0.01%
San Diego County Credit Union	1	0.01%
Speedment Inc	1	0.01%
Resonai Ltd	1	0.01%
First Performance Corporation	1	0.01%
Continental Autonomous Mobility Us Llc	1	0.01%
National Cheng Kung University	1	0.01%
Molex Llc	1	0.01%
Ge Aviation Systems Llc	1	0.01%
National University Of Singapore	1	0.01%
Qura Inc	1	0.01%
Surgical Safety Systems Llc	1	0.01%
Optofluidics Inc	1	0.01%
Emp Ip Holding Company Llc	1	0.01%
Truck-Lite Co Llc	1	0.01%
Quanta Cloud Technology Inc	1	0.01%
Kuo-Tsun Lin	1	0.01%
Teledyne Flir Commercial Systems Inc	1	0.01%
Stlike Llc	1	0.01%
Supersonic Imagine	1	0.01%
Greynoise Intelligence Inc	1	0.01%
British Telecommunications Public Limited Company	1	0.01%
Golden Emperor International Ltd	1	0.01%
Altria Client Services Llc	1	0.01%
Uchicago Argonne Llc	1	0.01%

Nicira Inc	1	0.01%
Vega Grieshaber Kg	1	0.01%
Ubtech North America Research And Development Center Corp	1	0.01%
Gregory P Mark	1	0.01%
Worldpay Limited	1	0.01%
Gls Co Ltd	1	0.01%
Purdue Pharma L P	1	0.01%
Slacktechnologies Llc	1	0.01%
Aura Technologies Llc	1	0.01%
Lifescan Ip Holdings Llc	1	0.01%
Steve Dunivan	1	0.01%
Uipath Inc	1	0.01%
Beijing Baidu Netcom Science And Technology Co Ltd	1	0.01%
Vonage Business Limited	1	0.01%
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Kira Inc	1	0.01%
Hopzero Inc	1	0.01%
Ses-Imagotag Gmbh	1	0.01%
Line Plus Corporation	1	0.01%
Dell Products Lp	1	0.01%
Seeya Optronics Co Ltd	1	0.01%
Vestas Wind Sysiems A/s	1	0.01%
Jian-Kuen Wu	1	0.01%
Stephen Czech	1	0.01%
Maxar Intelligence Inc	1	0.01%
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Kaelo Technology Ltd	1	0.01%
Aurign Inc	1	0.01%
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Genoptics Precision Biotechnologies Inc	1	0.01%
Yungu Gu'an Technology Co Ltd	1	0.01%
Brp-Rotax Gmbh & Co Kg	1	0.01%



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Yealink Xiamen Network Technology Co Ltd	1	0.01%
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Ooo Itv Group	1	0.01%
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Iheartmedia Management Services Inc	1	0.01%
Taniguchi Masahito	1	0.01%
Infiniteintel Inc	1	0.01%
Socialminingai Inc	1	0.01%
Manicka Institute Llc	1	0.01%
Sequoia Holdings Llc	1	0.01%
Tidalscale Inc	1	0.01%
National Institute Of Technology	1	0.01%

Orca Data Technology Xi'an Co Ltd	1	0.01%
Fiserv Inc	1	0.01%
T J Smith And Nephew Limited	1	0.01%
Norman J Marcus	1	0.01%
Breg Inc	1	0.01%
Ad It Up Inc	1	0.01%
Volkswagen Ag	1	0.01%
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Elements Endoscopy Inc	1	0.01%
Current Lighting Solutions Llc	1	0.01%
Fuzhou Rockchip Electronics Co Ltd	1	0.01%
Livanovausa Inc	1	0.01%
Globus Medical Inc	1	0.01%
Diversey Inc	1	0.01%
Hp Indigo B V	1	0.01%
Truememory Technology Llc	1	0.01%
Ai Plus Inc	1	0.01%
Modulight Corporation	1	0.01%
Gree Inc	1	0.01%
Nexark Inc	1	0.01%
The Board Of Trustees Of The University Of Illinois	1	0.01%
Buurst Inc	1	0.01%
Centergy Consulting Llc	1	0.01%
Acuitus Ag Inc	1	0.01%
Ching Meng	1	0.01%
Vallourec Tubes France	1	0.01%
Zf Friedrichshafen Ag	1	0.01%
John C Rhoades	1	0.01%
Chollana Sok	1	0.01%
Parham A Ganchi	1	0.01%
Owlet Baby Care Inc	1	0.01%
Aerovironment Inc	1	0.01%
Donald A Rhodes	1	0.01%

Viasat Inc	1	0.01%
Luminous Computing Inc	1	0.01%
Jive Software Inc	1	0.01%
Yaoqing Liu	1	0.01%
Valassis Digital Corp	1	0.01%
Mitac Computing Technology Corporation	1	0.01%
Hdrop Technologies Inc	1	0.01%
Unispectral Ltd	1	0.01%
Mci Mirror Controls International Netherlands B V	1	0.01%
Opswat Inc	1	0.01%
Joint Stock Company “Infotecs”	1	0.01%
Kure Llc	1	0.01%
Twilio Inc	1	0.01%
Konami Gaming Inc	1	0.01%
Rodney K Alston Jr	1	0.01%
Raytheon Bbn Technologies Corp	1	0.01%
Tttech Industrial Automation Ag	1	0.01%
Taptextllc	1	0.01%
Komatsu Forest Ab	1	0.01%
华能国际电力股份有限公司上海石洞口第一电厂	1	0.01%
联想长风科技（北京）有限公司	1	0.01%
江苏金智科技股份有限公司	1	0.01%
无锡卡兰尼普热管理技术有限公司	1	0.01%
张云霞	1	0.01%
田芮西	1	0.01%
国网河南省电力公司濮阳供电公司	1	0.01%
西安地格网络科技有限公司	1	0.01%
陕西科技大学	1	0.01%
陕西业超云柜网络科技有限公司	1	0.01%
深圳市新威尔电子有限公司	1	0.01%
中科芯集成电路有限公司	1	0.01%

西安北斗星数码信息股份有限公司	1	0.01%
惠州市越洋电子有限公司	1	0.01%
骏忆科技 深圳 有限公司	1	0.01%
合肥国科天迅科技有限公司	1	0.01%
西安热工研究院有限公司	1	0.01%
广州优米网络科技有限公司	1	0.01%
周小芳	1	0.01%
深圳市荣杰星医疗设备有限公司	1	0.01%
苏州盟川自动化科技有限公司	1	0.01%
平头哥 ( 上海 ) 半导体技术有限公司	1	0.01%
中国铁道科学研究院集团有限公司	1	0.01%
浙江省肿瘤医院	1	0.01%
济南宜众科技有限公司	1	0.01%
张青	1	0.01%
杭州格物智安科技有限公司	1	0.01%
东莞市韵彩打印耗材有限公司	1	0.01%
合肥品冠科技有限公司	1	0.01%
上海芯促信息科技有限公司	1	0.01%
深圳市宏瀚微电子有限公司	1	0.01%
南京南瑞继保电气有限公司	1	0.01%
深圳鑫智感科技有限公司	1	0.01%
四川惟景科技有限公司	1	0.01%
安徽山岛科技有限公司	1	0.01%
中国铁路北京局集团有限公司丰台西站	1	0.01%
国网山东省电力公司莱芜供电公司	1	0.01%
湖南中烟工业有限责任公司	1	0.01%
深圳市盈泰智能系统有限公司	1	0.01%
广东金多富电器有限公司	1	0.01%
南京工业职业技术大学	1	0.01%

白宇博	1	0.01%
上海振浩电子科技有限公司	1	0.01%
宜通世纪物联网研究院(广州)有限公司	1	0.01%
深圳市中创电测技术有限公司	1	0.01%
天津聚芯光禾科技有限公司	1	0.01%
李雪峰	1	0.01%
深圳市百福泉科技有限公司	1	0.01%
深圳市派捷电子科技有限公司	1	0.01%
Dk Crown Holdings Inc	1	0.01%
Vangogh Imaging Inc	1	0.01%
Mijem Inc	1	0.01%
Via Transportation Inc	1	0.01%
Included Health Inc	1	0.01%
Telefonaktiebolaget Lm Ericsson	1	0.01%
合肥兆芯电子有限公司	1	0.01%
铠侠股份有限公司	1	0.01%
Cambridge Sound Management Inc	1	0.01%
Wi-Lan Inc	1	0.01%
United Airlines Inc	1	0.01%
Health Language Analytics Pty Ltd	1	0.01%
Idrc Sustainable Technologies Shanghai Limited	1	0.01%
Goodman Global Group Inc	1	0.01%
Baker Hughes Holdings Llc	1	0.01%
Spectrum Brands Inc	1	0.01%
Community Blood Center	1	0.01%
William Allen	1	0.01%
Eshares Inc	1	0.01%
Ambiq Micro Inc	1	0.01%
Johnny Yau	1	0.01%
Bt Idea Labs Llc	1	0.01%
索尼公司	1	0.01%

美光科技公司	1	0.01%
飞腾信息技术有限公司	1	0.01%
Oppo广东移动通信有限公司	1	0.01%
戴尔产品有限公司	1	0.01%
华南师范大学	1	0.01%
芯动微电子科技（武汉）有限公司	1	0.01%
北京航空航天大学杭州创新研究院	1	0.01%
凯智隆誉科技（深圳）有限公司	1	0.01%
深圳市金泰克半导体有限公司	1	0.01%
苏州互友工业设备有限公司	1	0.01%
波平方科技（杭州）有限公司	1	0.01%
趣眼有限公司	1	0.01%
联想（北京）有限公司	1	0.01%
创义达科技股份有限公司	1	0.01%
浪潮电子信息产业股份有限公司	1	0.01%
紫光展讯通信（惠州）有限公司	1	0.01%
纬颖科技服务股份有限公司	1	0.01%
浙江大学	1	0.01%
力旺电子股份有限公司	1	0.01%
海光信息技术股份有限公司	1	0.01%
烽火通信科技股份有限公司	1	0.01%
西安紫光国芯半导体有限公司	1	0.01%
旺宏电子股份有限公司	1	0.01%
广州新城建筑设计院有限公司	1	0.01%
北京盛迅科技有限公司	1	0.01%
江南大学	1	0.01%
司目自动化（杭州）有限公司	1	0.01%
加弘科技咨询（上海）有限公司	1	0.01%
深圳基业长芯光电科技有限责任公司	1	0.01%

东莞储域计算机科技有限公司	1	0.01%
深圳市国鑫恒运信息安全有限公司	1	0.01%
厦门天卫科技有限公司	1	0.01%
苏州智凯数控技术有限公司	1	0.01%
广东工业大学	1	0.01%
台湾积体电路制造股份有限公司	1	0.01%
王鑫	1	0.01%
广东中人工程集团有限公司	1	0.01%
宝明祥(上海)物联科技有限公司	1	0.01%
美星鸿科技股份有限公司	1	0.01%
上海联百商业设备有限公司	1	0.01%
浙江庄誉科技有限公司	1	0.01%
珠海鸿晟新科技有限公司	1	0.01%
成都新橙北斗智联有限公司	1	0.01%
郑州臻嵘自动化科技有限公司	1	0.01%
深圳市易甲文技术有限公司	1	0.01%
深圳市矽昊智能科技有限公司	1	0.01%
库尔特机电设备(上海)有限公司	1	0.01%
浙江星星冷链集成股份有限公司	1	0.01%
威盛电子股份有限公司	1	0.01%
江苏华途数控科技有限公司	1	0.01%
保定飞凌嵌入式技术有限公司	1	0.01%
深圳微步信息股份有限公司	1	0.01%
南昌市城市规划设计研究总院	1	0.01%
南京盛之华能源科技有限公司	1	0.01%
苏州耀国电子有限公司	1	0.01%
深圳市奔凯安全技术股份有限公司	1	0.01%
河南工学院	1	0.01%
湖南天硕创新科技有限公司	1	0.01%

广东蝶云智控科技有限公司	1	0.01%
智邦大陆科技有限公司	1	0.01%
武汉卡比特信息有限公司	1	0.01%
中山市喜安居智能科技有限公司	1	0.01%
蓝箭航天空间科技股份有限公司	1	0.01%
厦门盈趣科技股份有限公司	1	0.01%
武汉德普施科技有限公司	1	0.01%
深圳亮钻科技有限公司	1	0.01%
中科可控信息产业有限公司	1	0.01%
国网（北京）综合能源规划设计研究院有限公司	1	0.01%
深圳华杉技术有限公司	1	0.01%
杭州海兴电力科技股份有限公司	1	0.01%
珠海北电麦希智能科技有限公司	1	0.01%
成都市博杰自动化设备有限公司	1	0.01%
广西国脉科技发展有限公司	1	0.01%
深圳市豫知科技有限公司	1	0.01%
中科南京移动通信与计算创新研究院	1	0.01%
昆山唯斯达电子科技有限公司	1	0.01%
上海新时达机器人有限公司	1	0.01%
华中科技大学协和深圳医院	1	0.01%
广州市东亚技术有限公司	1	0.01%
南京功夫豆信息科技有限公司	1	0.01%
嘉应学院	1	0.01%
苏州宽温电子科技有限公司	1	0.01%
南京信息工程大学	1	0.01%
奇瑞万达贵州客车股份有限公司	1	0.01%
武汉市圣祥电子科技有限公司	1	0.01%
郑州鲜境电子有限公司	1	0.01%
广州新世纪通信科技有限公司	1	0.01%



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苏州思德新材料科技有限公司	1	0.01%
广州品创电子科技有限公司	1	0.01%
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王天乐	1	0.01%
太仓市同维电子有限公司	1	0.01%

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大陸商深圳市商湯科技有限公司	1	0.01%
美商桑迪士克科技有限責任公司	1	0.01%
大陸商長江存儲科技有限責任公司	1	0.01%
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美商艾倫神火公司	1	0.01%
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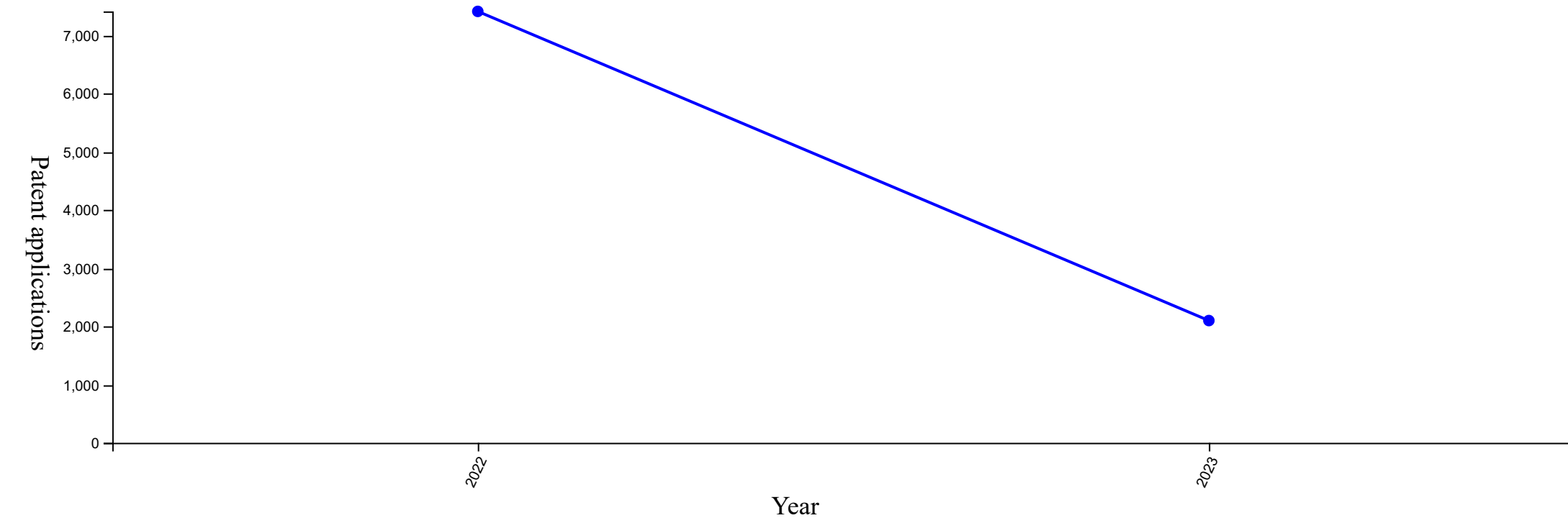


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2023	2092	22.00 %
2022	7418	78.00 %