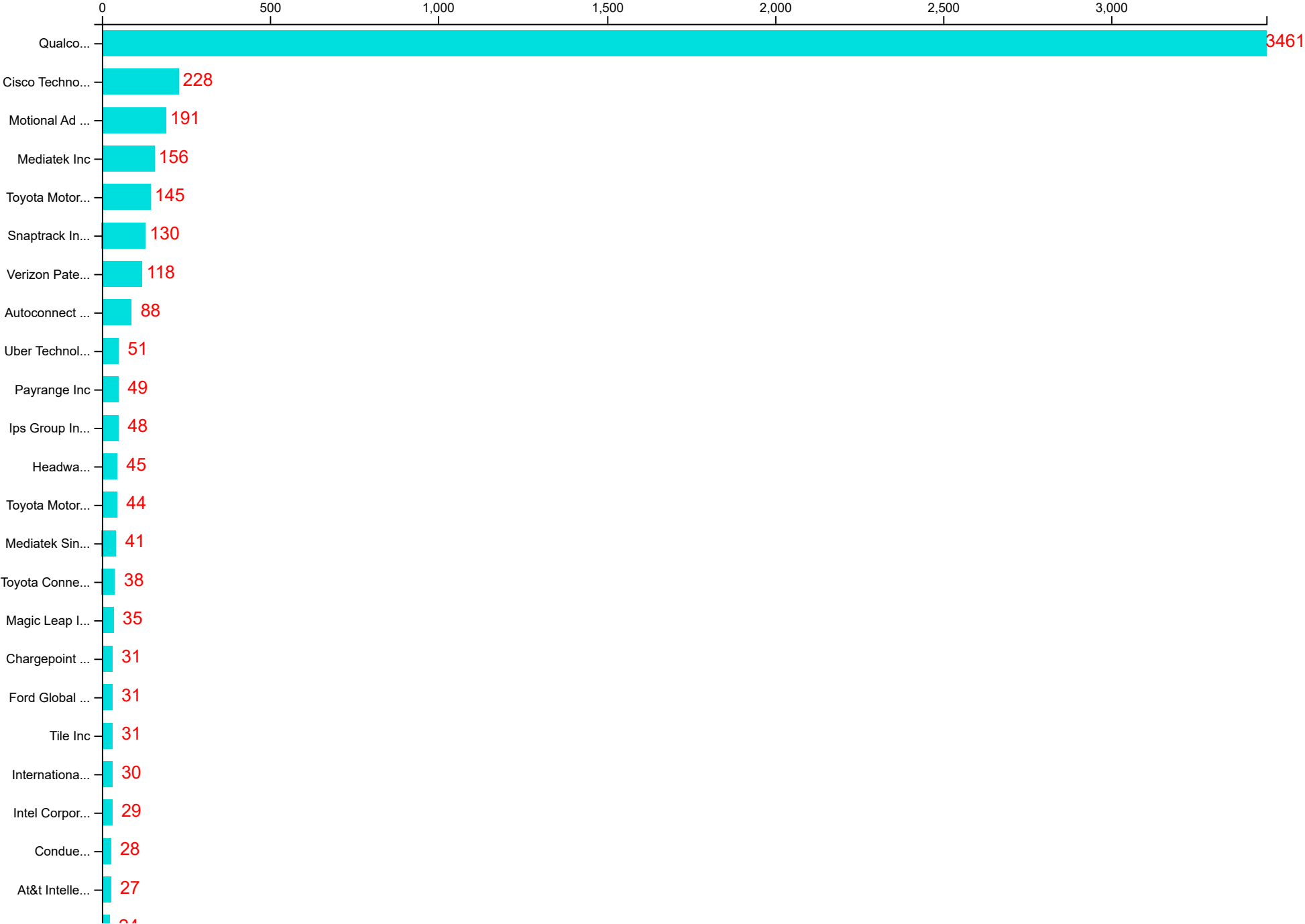


特許数分析 特許権者/特許数
特許庁：ALL
種別：公告/公開日
分析範囲：2015~2025

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Xiao Ming Ma...	6
Western Digi...	6
Ip Optimum L...	6
Kevin Sunlin...	6
General Elec...	6
David H Will...	6
Parkofon Inc	6
Imprenditore...	6
Confia Syste...	6
Balu S...	6
Neeraj Jhanj...	6
Gary Stephen...	5
Operr Techno...	5
Hewlett Pack...	5
Muni Spark L...	5
Interdigital...	5
Afero Inc	5

Imprenditore...	5
Citifyd Inc	5
Samsun...	5
Volvo Car Co...	5
Huawei Techn...	5
Todd H Becke...	5
Belimo Holdi...	5
Wayne Fuelin...	5
Sony Corpora...	4
Orange	4
Grids Of Ski...	4
Telefonaktie...	4
Rakute...	4
Citybeacon I...	4
Tinker Pte L...	4
Clear Blue T...	4
Gm Cru...	4
Populus Tech...	4
Thomas...	4
Faraday&futu...	4
Charte...	4
Rakuten Mobi...	4
Ningbo Geely...	4
Productive A...	4
Flowbird Ita...	4

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Deka Product...	4
American Exp...	4
Yokogawa Ele...	4
Twill Inc	4
Frogparking ...	4
Revivermx In...	4
Denso Intern...	4
Libre Wirele...	4
Ian Charles ...	4
Mentis Servi...	4
Sca Ipla Hol...	3
Nissan Motor...	3
Aeris ...	3
Ipcom ...	3
Jing Lei	3
Stmicroelect...	3
Altiosstar Ne...	3
Meter Feeder...	3
Lyt Inc	3
Crispen Chik...	3
Parkt Inc	3
Abdolreza Be...	3
Netclearance...	3
Global Integ...	3

Gustav...	3
Daniel Mauri...	3
Albert Bruce...	3
Skylo Techno...	3
Pillsbury Wi...	3
Avigilon Cor...	3
Te Connectiv...	3
Powercast Co...	3
Motorola Sol...	3
Panasonic In...	3
Fybr Llc	3
Mobileye Vis...	3
Sterling Pra...	3
Lear Corpora...	3
Urban Intel ...	3
Pcms Holding...	3
Genetec Inc	3
Auto Park Ha...	3
Jpmorg...	3
Christopher ...	3
Listat Ltd	3
Ipep Inc	3
Quotient Tec...	3
Itron Inc	3
Volkswagen A...	3

Radiant Choi...	3
Pb Inc Db a P...	3
Gilbert Eid	3
Accenture Gl...	3
Lyft Inc	2
Evan H...	2
Wooden...	2
Gary Goldube...	2
Tracie Wirel...	2
Michael Sawy...	2
Satori World...	2
Obsidian Sen...	2
Speedgauge I...	2
Fraunhofer-G...	2
Tango Networ...	2
Jack L Marov...	2
Digital Unit...	2
Wellen Sham	2
Blake Shaver	2
Dream ...	2
Adam J Selev...	2
Mastercard A...	2
Intuit Inc	2
Philips Ligh...	2
Paul Atkinso...	2

Juan Zhang	2
Postmates In...	2
Square Inc	2
James David ...	2
Cp Global Li...	2
Roman Tsibul...	2
Richard Spic...	2
James ...	2
Gemalt...	2
Alexander Yu...	2
Palo Alto Re...	2
Fgp Capital ...	2
Darktrace Li...	2
Sol Mingso L...	2
Nwave ...	2
United Parce...	2
Adasky Ltd	2
Openga...	2
Enk Wireless...	2
Vizsafe Inc	2
Netscout Sys...	2
Nchain Holdi...	2
Robert Bosch...	2
Denso Corpor...	2
Jte L L C	2

Hayden Al Te...	2
Cloud Softwa...	2
Pxt Payments...	2
Aptiv Techno...	2
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Parallel Wir...	2
Axis Lightin...	2
Flowbird	2
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Valeo Radar ...	2
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Yuwei Ren	2
Flow Inc	2
Convida Wire...	2
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Wells Fargo ...	2
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Nuro Inc	2
Hook"d Wifi...	2
Audi Ag	2
Qualco...	2
Jio Platform...	2

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Giesec...	2
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Uqontrol Inc	2
Mobydom Ltd	2
Sap Se	2
Luis M Ortiz	2
Qord Data Au...	2
Omnyway Inc	2
Verizon Deut...	2
Volkswagen A...	2
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Ouster Inc	2
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Tesla Inc	2
Ht Ip Llc	2
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Louis Fourni...	2
Tencent Tech...	2
Mark Horbal	2
Valeo Schalt...	2
Black Atom T...	2

Headwa...	2
Yahoo Holdin...	2
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Smarter Tras...	2
Teleco...	2
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Cleverciti S...	2
Growthment T...	2
Parkopedia L...	2
Nokia Soluti...	2
Gilad G Bash...	2
T-Mobile Inn...	2
Erdem Bala	2
M87 Inc	2
Sony Mobile ...	2
Mettler-Tole...	2
Darktrace Ho...	2
Ionroad Tech...	2
Rakute...	2
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Nissan North...	2
Gci Co...	2
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Cruise Autom...	2
Alfonso Llan...	2
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At&t Intelle...	2
Interdigital...	2
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Anand Vaidya...	2
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Kapsch Traff...	2
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World ...	1
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Nvidia Corpo...	1
Satisch Chan...	1
Virtual Onq ...	1
Metro Mobili...	1
Appy Risk Te...	1
Omron ...	1
Bluetown Aps	1

特許権者

Harman...	1
Control Bion...	1
美商高通公司	1
國立虎尾科技...	1
蔡敏	1
宁波芯源智能...	1
Gregory G Ra...	1
Gideon Samid	1
Hangzh...	1
Malikie Inno...	1
Alcatel Luce...	1
Gnanomat SI	1
Bayerische M...	1
Saudi Arabia...	1
John Clement...	1
市政停车服务...	1
Postmates LI...	1
浙江咪网电子...	1
Oregon Healt...	1
黄金富知识产...	1
郑州柔信科技...	1
上海微漂信息...	1
Voilap Holdi...	1
刘景丽	1
State Farm M...	1

National For...	1
Zhicong Kong	1
Carannante G...	1
支付宝（杭州...	1
Renetec Inc	1
Instituto Ho...	1
北京万集科技...	1
Grupo Sallen...	1
Aram Keledji...	1
R2Z Innovati...	1
Weiping Meng	1
Machin...	1
Cometa Spa	1
Id Technolog...	1
Zenuity Ab	1
Canadian Int...	1
Helian S R L	1
Che-An Liu	1
Asura Techno...	1
Direct Curre...	1
Reginald Hil...	1
Anil Merchan...	1
Gokul Sridha...	1
Darren Wolfb...	1
Yan Zhou	1

Mostafa Khos...	1
Yash Patel	1
Changlong Xu	1
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Ltas Technol...	1
Phillip Grav...	1
Qualcom Inco...	1
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Rock Innovat...	1
Olufunmilola...	1
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Descartes Sy...	1
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Solsten Inc	1
Mojo Mobilit...	1
Hender...	1
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Kangqi Liu	1
Nz Technolog...	1
Derek Jose G...	1
Highway Toll...	1
Cuploop Oü	1
Avinash Vija...	1
Gogoro Inc	1
Maplebear In...	1
Centurylink ...	1
Toyota Resea...	1
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Regents Of T...	1
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Ondot ...	1
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Visban Netwo...	1
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Planair Sa	1
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Honk Mobile ...	1
Kovestro Deu...	1
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Core Scienti...	1
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Brock Watson	1
Daimler Ag	1
Vijay Madise...	1
Qualco...	1
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Te Connectiv	1

Bo Chen	1
Arriver Soft...	1
Qualco...	1
C/o Altiosa...	1
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Netscout Sys...	1
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Deja Vu Secu...	1
Texas Instru...	1
Srijit Chand...	1
Townline Hol...	1
Universal Se...	1
Estacionamie...	1
Pass &...	1
Smart System...	1
Pacific West...	1
Cubic Corpor...	1
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Liyitec Inco...	1
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Bsdm & M Inc	1
Ofir Shalev	1
Mitsubishi E...	1
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Kii Inc	1

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Impact Recov...	1
Schneider El...	1
Steven Schra...	1
Alcatel Luce...	1
The Florida ...	1
Charlie Jone...	1
Autlo Oü	1
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Brightfield ...	1
Rfnav Inc	1
Arash ...	1
Avigilon Pat...	1
Sparkcity Co...	1
Frederick La...	1
Instituto Ho...	1
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Spiren...	1
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Cellopark Te...	1
Harman Inter...	1
Industrial T...	1
Clearvision ...	1
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Zoomtoll Llc	1
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Razmi Javad	1
Hand H...	1
Anders Edvar...	1
Pom Incorpor...	1
Altitude Co	1
Chrysler Gro...	1
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Urs Wiederke...	1
Koninklijke ...	1
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Shenzh...	1

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Matt O"mall...	1
Andres E Cas...	1
Transparent ...	1
Javier De La...	1
Parkmobile U...	1
Stmicroelect...	1
Hand Held Pr...	1
Sunil Goel	1
Martin Kelly...	1
Dwolla Inc	1
Jegathisvara...	1
Scheidt & Ba...	1
Paywit...	1
S-Parking Te...	1
Botanic Tech...	1
Citibank N A...	1
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Irazú I Rodr...	1
Knowles Elec...	1
Moises Jaime...	1
Soceana Llc	1
Credit Suiss...	1
Venture Lend...	1
Smartwater L...	1

Enzo Stancat...	1
Mobimeter LI...	1
Cubic Corpor...	1
Kiunsys S R ...	1
Coinedbox In...	1
Lg Electroni...	1
Christopher ...	1
Pitney Bowes...	1
Pedal Lock L...	1
Vcomm ...	1
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Wilmington T...	1
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Mordechai Te...	1
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Kenny Phan	1
Amazon...	1
Koji Yoden	1
Covidien Lp	1
Bryan Bayges	1
Pb Inc	1

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U-Bloc Ag	1
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Zaptec Ip As	1
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Ip Payovatio...	1
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Hyundai Moto...	1
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Kai Chen	1
Ottogee Inc	1
Byton North ...	1
Keiichi Kubo...	1
Mark W Publi...	1
Reach ...	1
Flashparking...	1
Koinage Llc	1
Wisesight Te...	1
Highway Toll...	1
Deeproot Gre...	1
Robin Lauren...	1

Surfboard In...	1
Starship Tec...	1
I D Technolo...	1
Nedelco Inco...	1
lot Eye Inc	1
U S Bancorp ...	1
Walmart Apol...	1
Sensor Elect...	1
Ims Solution...	1
Pasquale Vin...	1
Todd E Kautz...	1
Vivek Ashok ...	1
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Sigma Design...	1
Lvl5 Inc	1
Zte Corporat...	1
Parkifi Inc	1
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Global Payme...	1
Siemens Akti...	1
Ubs Ag Stamf...	1
Tyco Electro...	1
Fernando Mor...	1
The North Fa...	1
U-Glove Inc	1

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Ingenu	1
Vmware Inc	1
Surround Io ...	1
Jayant Ratti	1
Skidata Ag	1
Fortinet Inc	1
Safer Place ...	1
Salesforce C...	1
Jaguar Land ...	1
Sony Europe ...	1
Futurewei Te...	1
Edward Dinap...	1
Pickmeup Nv	1
Control Bion...	1
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Visteon Glob...	1
Unifyid	1
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Drive Ai Inc	1
Mobile...	1

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Tango Networ...	1
Pagerduty In...	1
Denise Lisa ...	1
Unisys Corpo...	1
Jordan Chris...	1
Remote...	1
Asad Ullah S...	1
Wyatt Sven H...	1
Martians Inc...	1
Proxy Techno...	1
Qualco...	1

特許権者	特許件数 平均 9.56	特許数の比率
Total	6815	100%
Qualcomm Incorporated	3461	50.79%
Cisco Technology Inc	228	3.35%
Motional Ad Llc	191	2.8%
Mediatek Inc	156	2.29%
Toyota Motor North America Inc	145	2.13%
Snaptrack Inc	130	1.91%
Verizon Patent And Licensing Inc	118	1.73%
Autoconnect Holdings Llc	88	1.29%
Uber Technologies Inc	51	0.75%
Payrange Inc	49	0.72%

Ips Group Inc	48	0.7%
Headwater Research Llc	45	0.66%
Toyota Motor Engineering & Manufacturing North America Inc	44	0.65%
Mediatek Singapore Pte Ltd	41	0.6%
Toyota Connected North America Inc	38	0.56%
Magic Leap Inc	35	0.51%
Chargepoint Inc	31	0.46%
Ford Global Technologies Llc	31	0.46%
Tile Inc	31	0.46%
International Business Machines Corporation	30	0.44%
Intel Corporation	29	0.43%
Conduent Business Services Llc	28	0.41%
At&t Intellectual Property I L P	27	0.4%
J J Mackay Canada Limited	24	0.35%
Digimarc Corporation	21	0.31%
Here Global B V	21	0.31%
T-Mobile Usa Inc	21	0.31%
Telefonaktiebolaget Lm Ericsson Publ	20	0.29%
Apple Inc	20	0.29%
Monticello Enterprises Llc	20	0.29%
Municipal Parking Services Inc	19	0.28%
Duncan Parking Technologies Inc	17	0.25%
Proxy Inc	17	0.25%
Blackberry Limited	17	0.25%
Nokia Technologies Oy	16	0.24%
Pixtronix Inc	16	0.24%
Visa International Service Association	16	0.24%
Mastercard International Incorporated	16	0.24%

Qualcomm Mems Technologies Inc	15	0.22%
Grabango Co	14	0.21%
Media Tek Inc	13	0.19%
Media Tek Singapore Pte Ltd	13	0.19%
Certusview Technologies Llc	12	0.18%
Bank Of America Corporation	12	0.18%
M2M Solutions Llc	12	0.18%
Capital One Services Llc	12	0.18%
Uatc Llc	11	0.16%
Liberty Plugins Inc	11	0.16%
Intel Ip Corporation	11	0.16%
At&t Mobility Ii Llc	11	0.16%
Hayden Ai Technologies Inc	11	0.16%
Mapped Inc	10	0.15%
Gm Global Technology Operations Llc	10	0.15%
Google Llc	10	0.15%
Inrix Inc	10	0.15%
Sandisk Technologies Llc	10	0.15%
Clear Token Inc	9	0.13%
William Reber Llc	9	0.13%
Continental Automotive Systems Inc	9	0.13%
Conquer Your Addiction Llc	9	0.13%
Waymo Llc	9	0.13%
Verisign Inc	9	0.13%
Rakuten Mobile Inc	8	0.12%
Cloudparc Inc	8	0.12%
Micron Technology Inc	8	0.12%
Zoox Inc	8	0.12%
Nxp B V	8	0.12%
Rutgers The State University Of New Jersey	8	0.12%
Comcast Cable Communications Llc	8	0.12%

Tonkawa Inc	7	0.1%
Panasonic Intellectual Property Management Co Ltd	7	0.1%
Toyota Jidosha Kabushiki Kaisha	7	0.1%
Te Connectivity Corporation	7	0.1%
Paypal Inc	7	0.1%
Silicon Valley Bank	7	0.1%
Fybr	7	0.1%
Honda Motor Co Ltd	6	0.09%
Rakuten Symphony Singapore Pte Ltd	6	0.09%
Car Iq Inc	6	0.09%
Manufacturing Resources International Inc	6	0.09%
弗莱克斯电子有限责任公司	6	0.09%
Transrobotics Inc	6	0.09%
Xiao Ming Mai	6	0.09%
Western Digital Technologies Inc	6	0.09%
Ip Optimum Limited	6	0.09%
Kevin Sunlin Wang	6	0.09%
General Electric Company	6	0.09%
David H Williams	6	0.09%
Parkofon Inc	6	0.09%
Imprenditore Pty Limited	6	0.09%
Confia Systems Inc	6	0.09%
Balu Subramanya	6	0.09%
Neeraj Jhanji	6	0.09%
Gary Stephen Shuster	5	0.07%
Operr Technologies Inc	5	0.07%
Hewlett Packard Enterprise Development Lp	5	0.07%
Muni Spark Ltd	5	0.07%
Interdigital Patent Holdings Inc	5	0.07%
Afero Inc	5	0.07%
Imprenditore Pty Ltd	5	0.07%

Citifyd Inc	5	0.07%
Samsung Electronics Co Ltd	5	0.07%
Volvo Car Corporation	5	0.07%
Huawei Technologies Co Ltd	5	0.07%
Todd H Becker	5	0.07%
Belimo Holding Ag	5	0.07%
Wayne Fueling Systems Llc	5	0.07%
Sony Corporation	4	0.06%
Orange	4	0.06%
Grids Of Skill Llc	4	0.06%
Telefonaktiebolaget L M Ericsson Publ	4	0.06%
Rakuten Symphony Inc	4	0.06%
Citybeacon Ip Bv	4	0.06%
Tinker Pte Ltd	4	0.06%
Clear Blue Technologies Inc	4	0.06%
Gm Cruise Holdings Llc	4	0.06%
Populus Technologies Inc	4	0.06%
Thomas Stachura	4	0.06%
Faraday&future Inc	4	0.06%
Charter Communications Operating Llc	4	0.06%
Rakuten Mobile Usa Llc	4	0.06%
Ningbo Geely Automobile Research & Development Co Ltd	4	0.06%
Productive Application Solutions Inc	4	0.06%
Flowbird Italia Srl	4	0.06%
Ouraring Inc	4	0.06%
Deka Products Limited Partnership	4	0.06%
American Express Travel Related Services Company Inc	4	0.06%
Yokogawa Electric Corporation	4	0.06%
Twill Inc	4	0.06%
Frogparking Limited	4	0.06%
Revivermx Inc	4	0.06%

Denso International America Inc	4	0.06%
Libre Wireless Technologies Inc	4	0.06%
Ian Charles Ogilvy	4	0.06%
Mentis Services France	4	0.06%
Sca Ipla Holdings Inc	3	0.04%
Nissan Motor Co Ltd	3	0.04%
Aeris Communications Inc	3	0.04%
Ipcom Gmbh & Co Kg	3	0.04%
Jing Lei	3	0.04%
Stmicroelectronics Inc	3	0.04%
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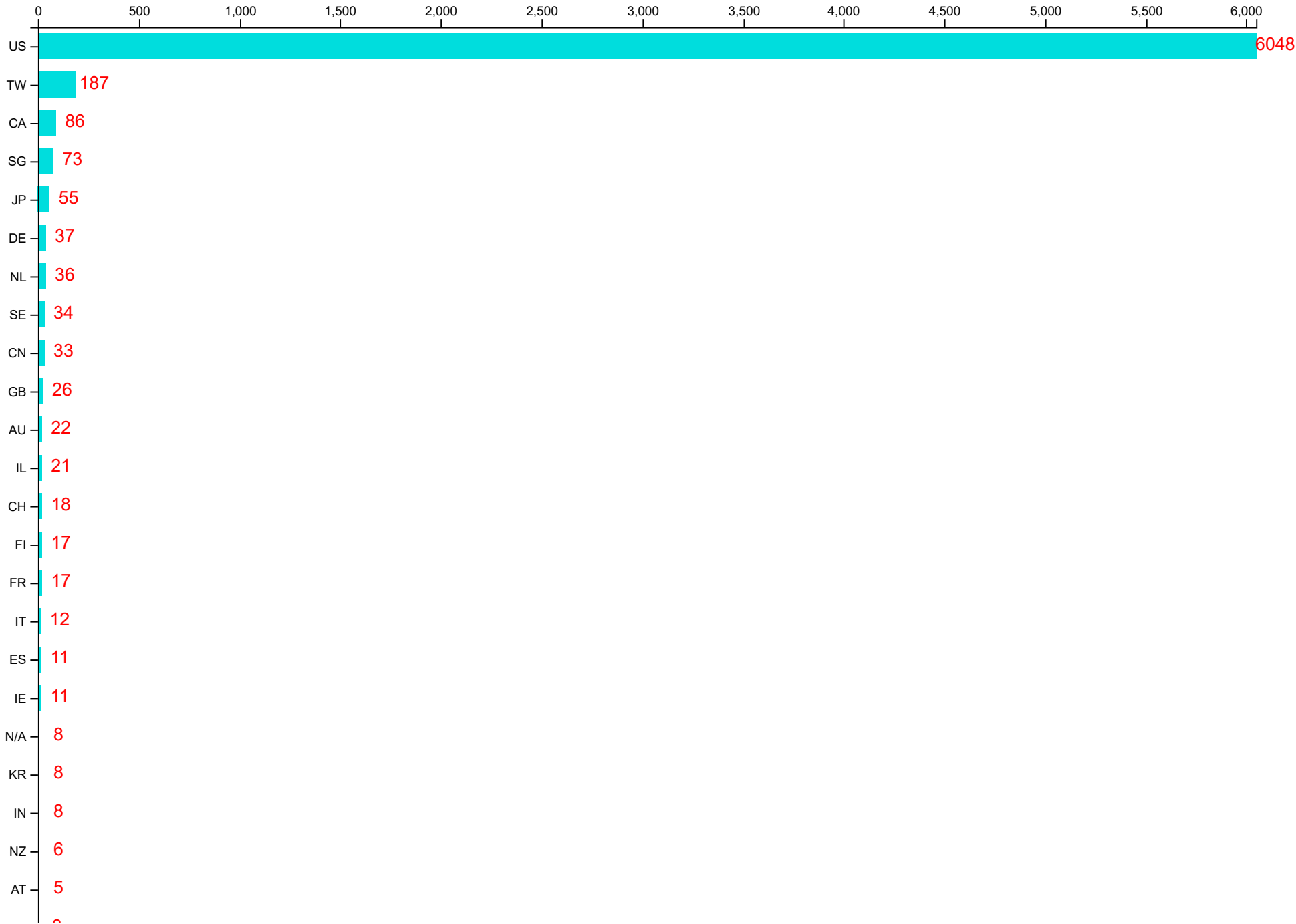
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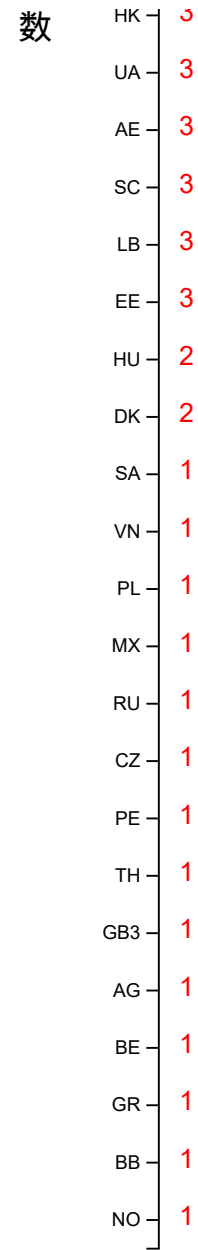
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Sony Europe Limited	1	0.02%
Futurewei Technologies Inc	1	0.02%
Edward Dinapoli	1	0.02%
Pickmeup Nv	1	0.02%
Control Bionics Holdings Pty Ltd	1	0.02%
Easton Scientific Inc	1	0.02%
Visteon Global Technologies Inc	1	0.02%
Unifyid	1	0.02%
John Mezzallngua Associates Llc	1	0.02%
Intelligent Technologies International Inc	1	0.02%
Tannery Creek Systems Inc Vaughan Canada	1	0.02%
Darrell Fertakos	1	0.02%
Nedelco Inc	1	0.02%
Drive Ai Inc	1	0.02%
Mobile Payments & Loyalty S L	1	0.02%
Scott Moncrieff	1	0.02%
Baruch Bouzaglo	1	0.02%
Tango Network Inc	1	0.02%
Pagerduty Inc	1	0.02%
Denise Lisa Salvucci	1	0.02%
Unisys Corporation	1	0.02%
Jordan Christopher Havercamp	1	0.02%
Remote Technologies Ip Llc	1	0.02%
Asad Ullah Shah	1	0.02%
Wyatt Sven Hagen	1	0.02%
Martians Inc DbA Proxy Co	1	0.02%
Proxy Technologies Inc	1	0.02%
Qualcomm Incorporated	1	0.02%

特許数分析 特許権者の国家/特許数
特許庁：ALL
種別：公告/公開日
分析範囲：2015~2025

国家



特許件



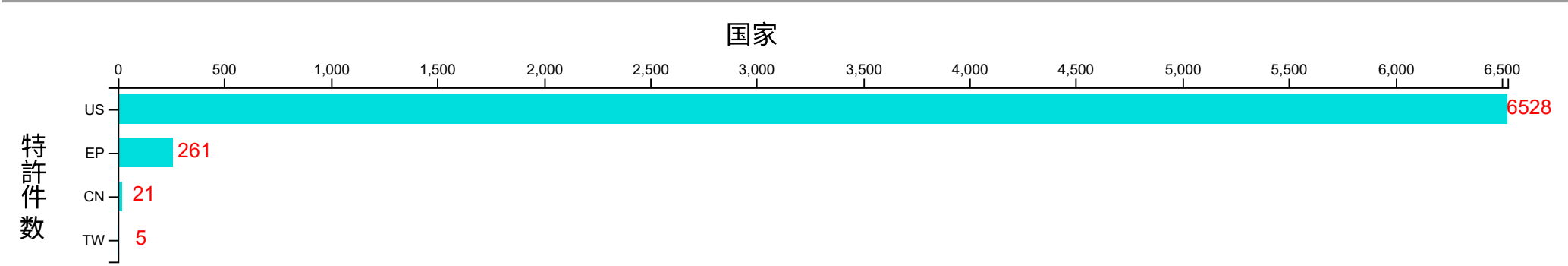
国家	特許件数	特許権者数	特許件数／特許権者
	平均 151.44	平均 159.93	平均 1.04

US	6048	6395	1.06
TW	187	192	1.03
CA	86	89	1.04
SG	73	75	1.03
JP	55	61	1.11
DE	37	44	1.19

NL	36	37	1.03
SE	34	34	1.00
CN	33	37	1.12
GB	26	27	1.04
AU	22	23	1.05
IL	21	21	1.00
CH	18	18	1.00
FI	17	17	1.00
FR	17	18	1.06
IT	12	12	1.00
ES	11	11	1.00
IE	11	11	1.00
N/A	8	8	1.00
KR	8	9	1.13
IN	8	9	1.13
NZ	6	6	1.00
AT	5	5	1.00
HK	3	3	1.00
UA	3	3	1.00
AE	3	3	1.00
SC	3	3	1.00
LB	3	3	1.00
EE	3	3	1.00
HU	2	4	2.00
DK	2	2	1.00
SA	1	1	1.00
VN	1	1	1.00
PL	1	1	1.00
MX	1	1	1.00
RU	1	1	1.00
CZ	1	1	1.00

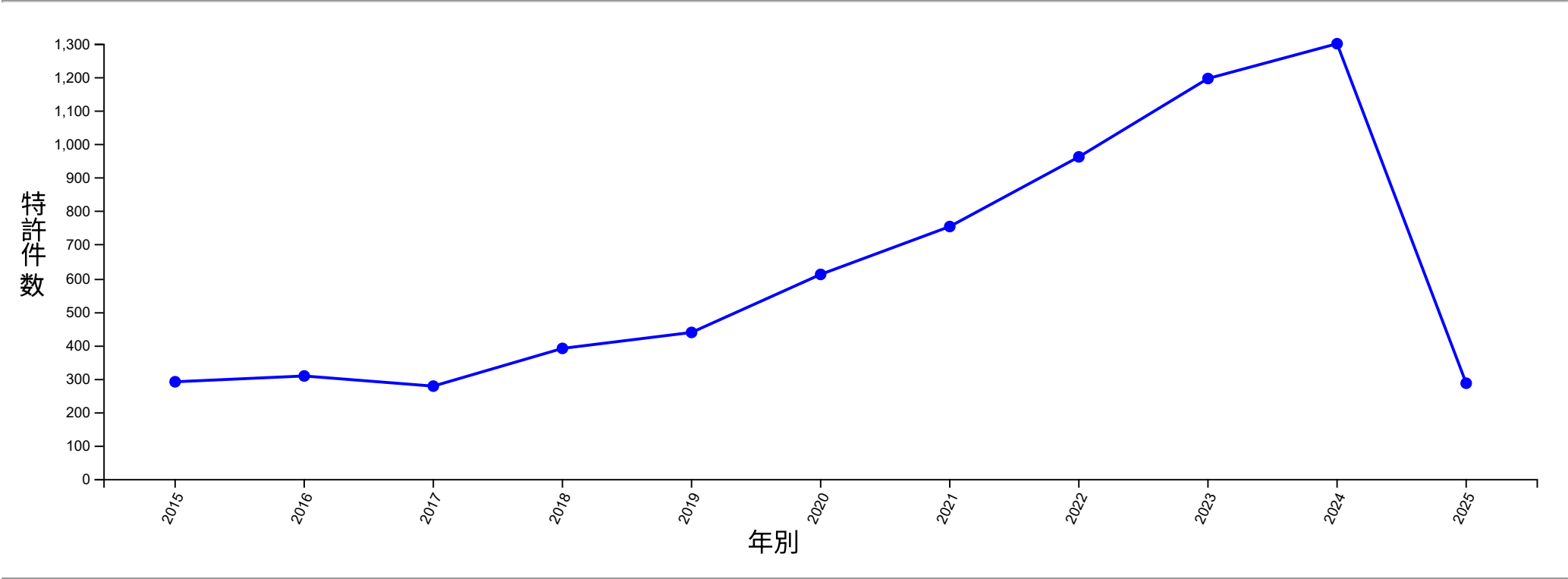
PE	1	1	1.00
TH	1	1	1.00
GB3	1	1	1.00
AG	1	1	1.00
BE	1	1	1.00
GR	1	1	1.00
BB	1	1	1.00
NO	1	1	1.00

特許数分析 国家/特許数
特許庁：ALL
種別：公告/公開日
分析範囲：2015~2025



国家	特許件数 平均 1703.75	特許権者数 平均 292.25	特許件数／特許権者 平均 0.47
US	6528	1149	0.18
EP	261	0	0.00
CN	21	15	0.71
TW	5	5	1.00

年別分析 年別/特許数
特許庁：ALL
種別：公告/公開日
分析範囲：2015~2025

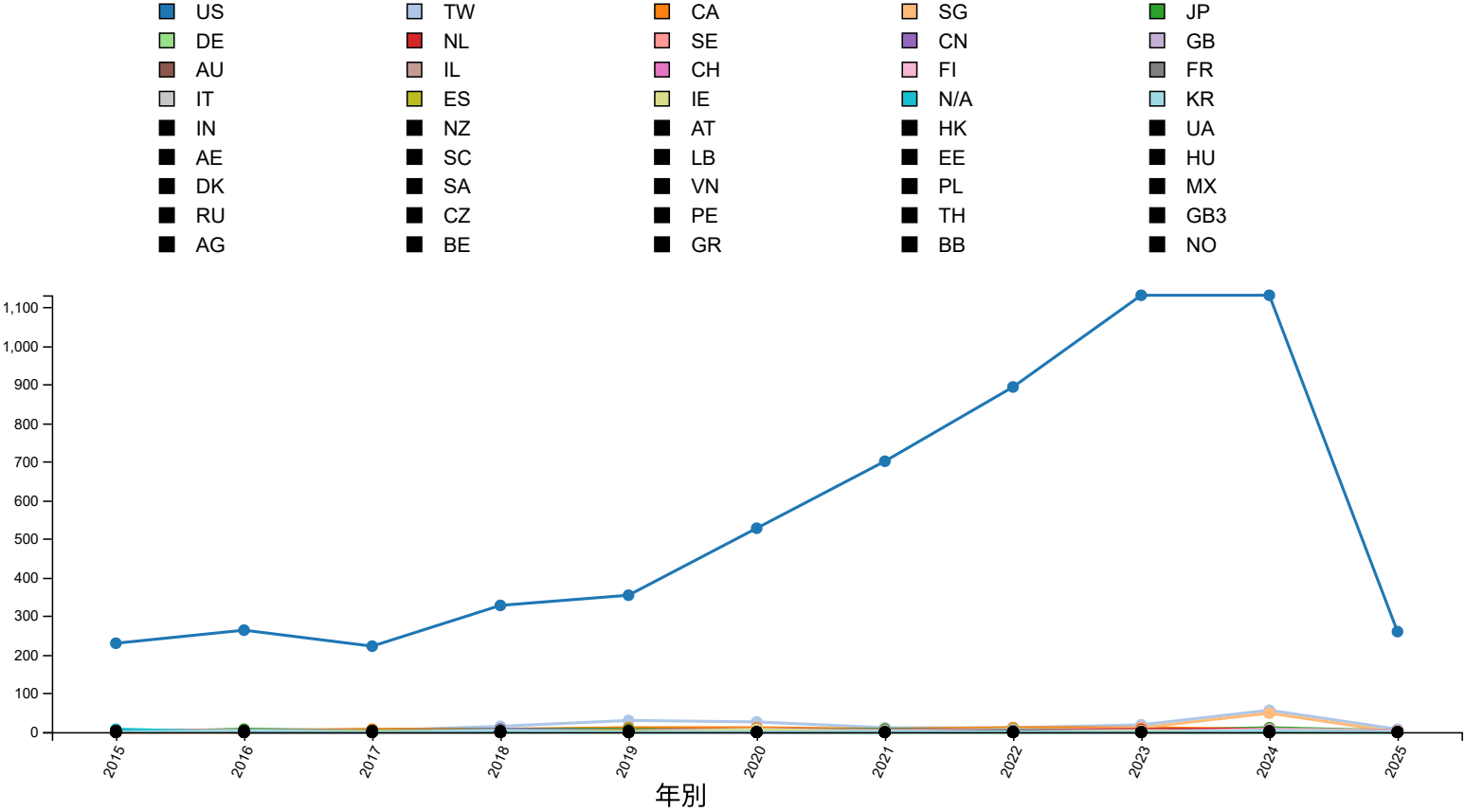


年別	特許件数	特許数の比率
Total	6815	100.00 %
2025	287	4.00 %
2024	1300	19.00 %
2023	1198	18.00 %
2022	962	14.00 %
2021	755	11.00 %
2020	611	9.00 %
2019	438	6.00 %

年別	特許件数	特許数の比率
2018	388	6.00 %
2017	278	4.00 %

年別分析 年別/国家特許数
特許庁：ALL
種別：公告/公開日
分析範囲：2015~2025

特許件数



年別	US	TW	CA	SG	JP	DE	NL	SE	CN	GB	AU	IL	CH	FI	FR	IT	ES	IE	N/A	KR	IN	NZ	AT	HK	UA	AE	SC	LB	EE	HU	DK	SA	VN	PL	MX	RU	CZ	PE	TH	GB3	AG	BE	GR	BB	NO	合計	
Total	6048	187	86	73	55	37	36	34	33	26	22	21	18	17	17	12	11	11	8	8	8	6	5	3	3	3	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6815
2025	260	9	3	1	4	1	0	1	0	2	2	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	287	
2024	1132	58	8	49	11	4	6	2	2	1	4	0	4	7	2	0	1	0	0	2	4	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1300	
2023	1131	18	10	11	3	3	7	4	2	0	1	1	1	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1198	
2022	895	12	11	3	4	6	2	4	3	4	1	2	4	1	3	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	962	
2021	701	12	7	2	6	3	2	3	4	1	3	0	2	1	0	3	0	1	1	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	755		
2020	528	26	12	3	2	3	1	5	7	5	1	1	3	1	0	2	0	6	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	611	

年別	US	TW	CA	SG	JP	DE	NL	SE	CN	GB	AU	IL	CH	FI	FR	IT	ES	IE	N/A	KR	IN	NZ	AT	HK	UA	AE	SC	LB	EE	HU	DK	SA	VN	PL	MX	RU	CZ	PE	TH	GB3	AG	BE	GR	BB	NO	合計
2019	353	30	10	1	6	4	2	4	4	3	2	1	2	1	3	0	2	1	1	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	438	
2018	327	16	6	1	7	3	3	1	7	4	1	2	0	1	2	2	0	0	0	2	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	388	
2017	224	4	9	1	4	1	4	4	1	2	1	5	1	2	3	1	4	0	0	0	2	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	278	