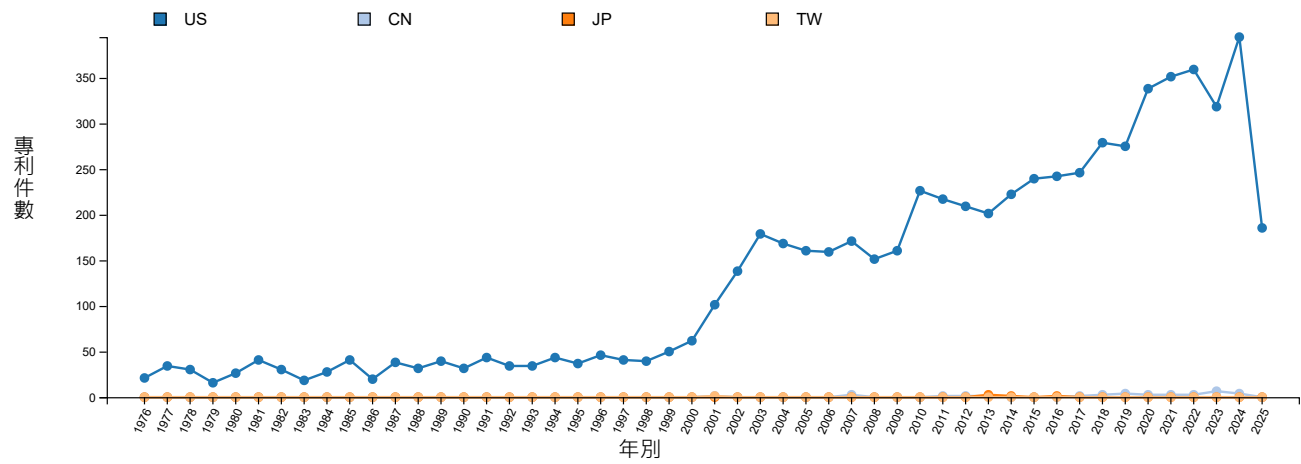
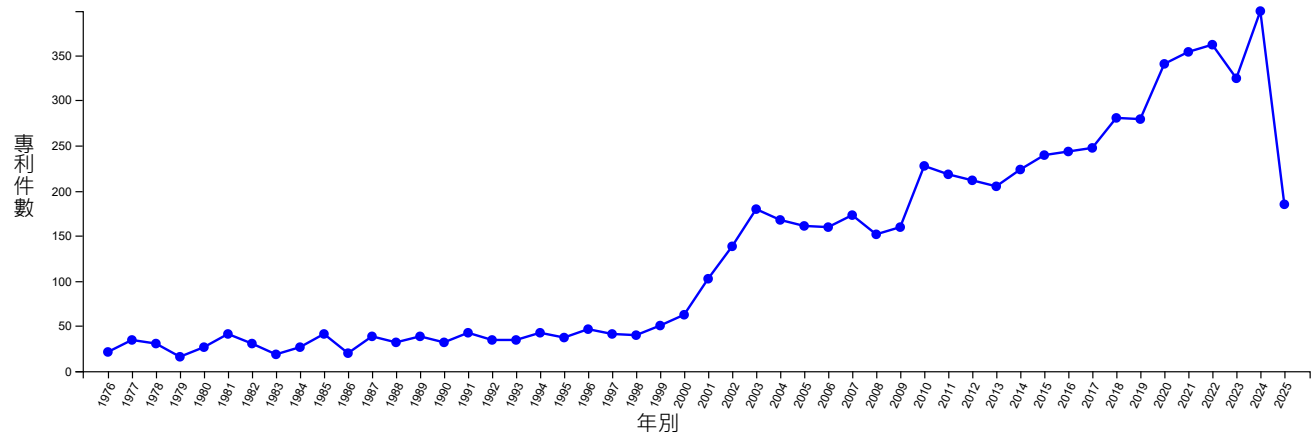


年別分析  
 專利局：ALL  
 依據：公告/公開日期  
 選擇至：1976~2025



| 年別    | US   | CN | JP | TW | 總計   |
|-------|------|----|----|----|------|
| Total | 6571 | 30 | 5  | 1  | 6607 |
| 2025  | 185  | 0  | 0  | 0  | 185  |
| 2024  | 395  | 4  | 0  | 0  | 399  |
| 2023  | 319  | 6  | 0  | 0  | 325  |
| 2022  | 359  | 3  | 0  | 0  | 362  |
| 2021  | 352  | 2  | 0  | 0  | 354  |
| 2020  | 338  | 2  | 0  | 0  | 340  |
| 2019  | 275  | 4  | 0  | 0  | 279  |
| 2018  | 279  | 2  | 0  | 0  | 281  |
| 2017  | 246  | 1  | 0  | 0  | 247  |

年別分析   年別/專利數  
 專利局：ALL  
 依據：公告/公開日期  
 選擇至：1976~2025



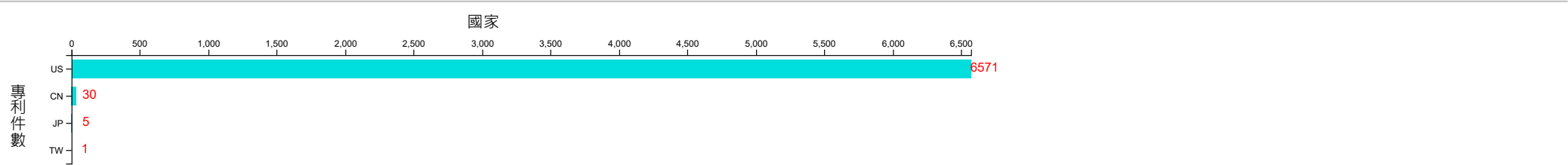
| 年別    | 專利件數 | 專利數比例    |
|-------|------|----------|
| Total | 6607 | 100.00 % |
| 2025  | 185  | 3.00 %   |
| 2024  | 399  | 6.00 %   |
| 2023  | 325  | 5.00 %   |
| 2022  | 362  | 5.00 %   |
| 2021  | 354  | 5.00 %   |
| 2020  | 340  | 5.00 %   |
| 2019  | 279  | 4.00 %   |
| 2018  | 281  | 4.00 %   |
| 2017  | 247  | 4.00 %   |

專利數分析 申請國家/專利數

專利局：ALL

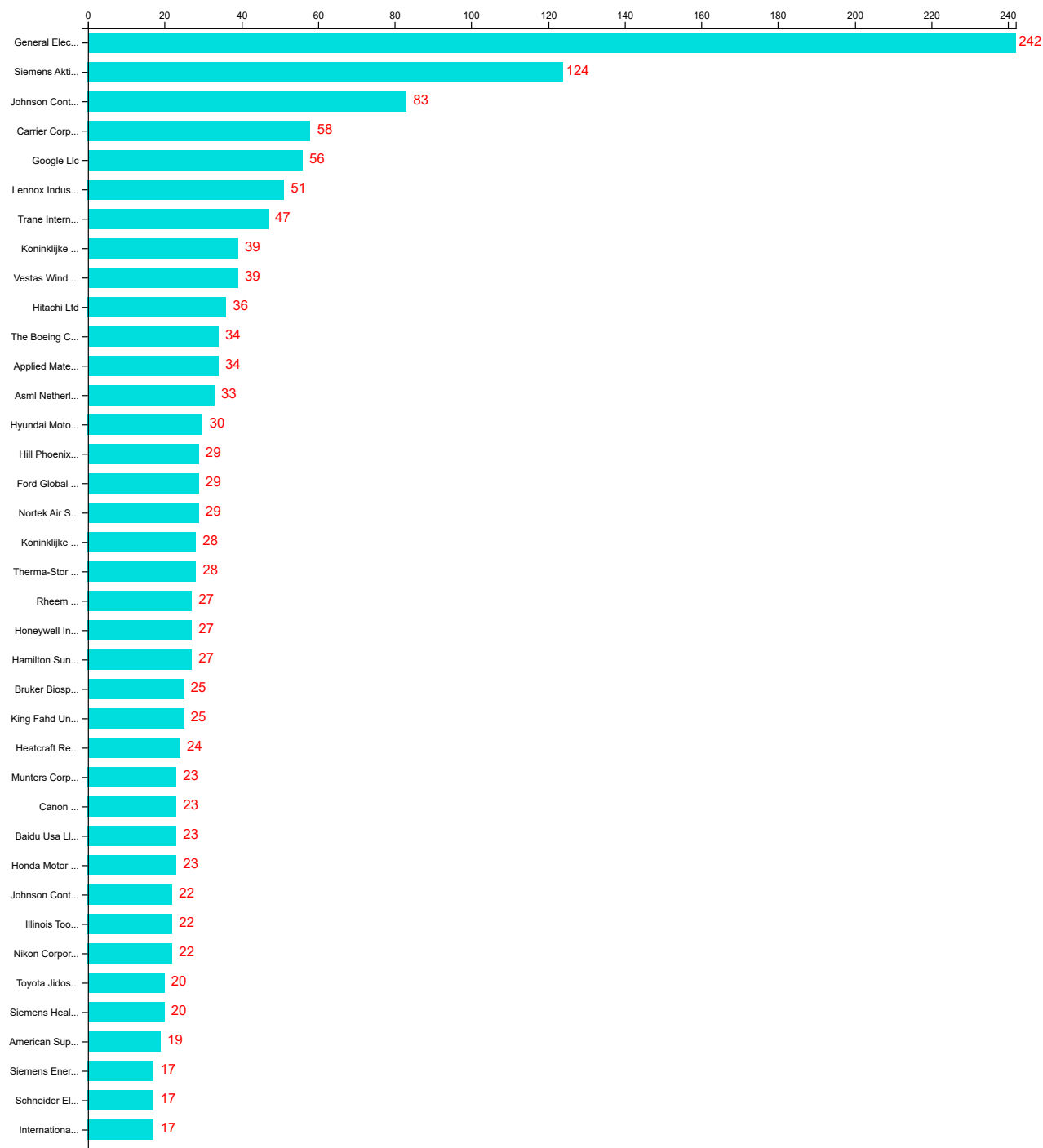
依據：公告/公開日期

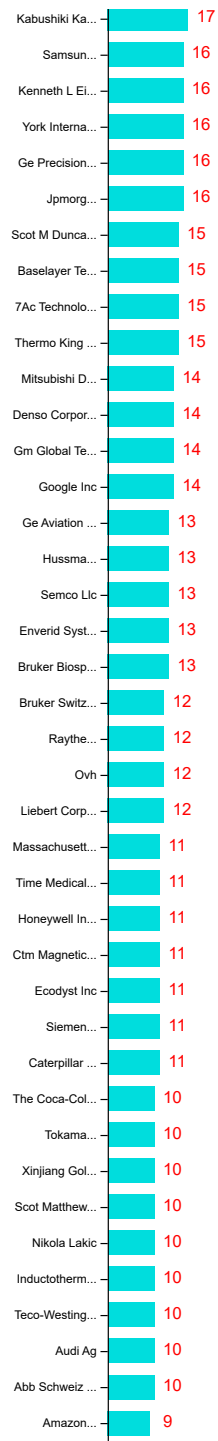
選擇至：1976~2025

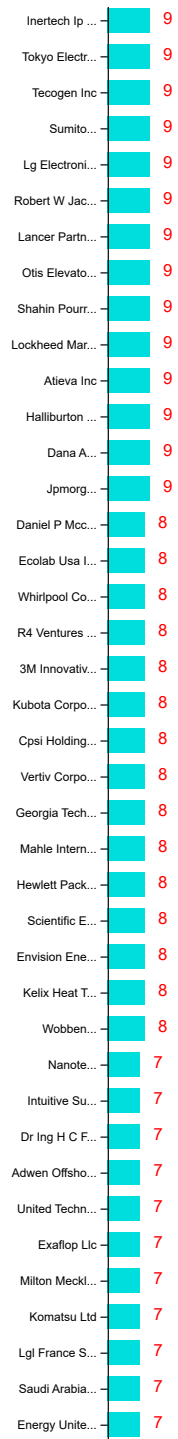


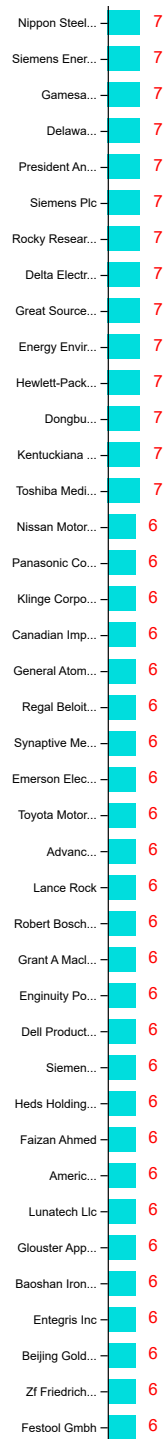
| 國家 | 專利件數<br>平均 1651.75 | 專利權人數<br>平均 1246.25 | 專利件數/專利權人<br>平均 0.96 |
|----|--------------------|---------------------|----------------------|
| US | 6571               | 4946                | 0.75                 |
| CN | 30                 | 33                  | 1.10                 |
| JP | 5                  | 5                   | 1.00                 |
| TW | 1                  | 1                   | 1.00                 |

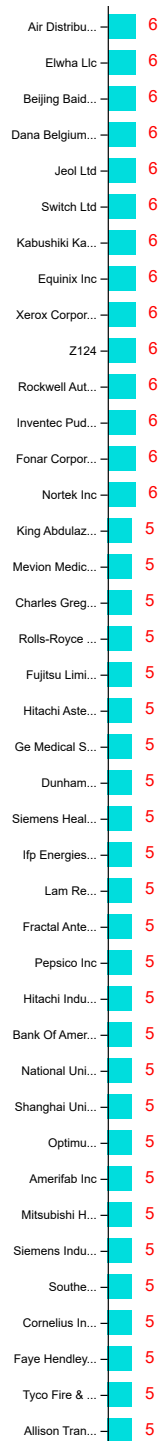
專利件數











|                 |   |
|-----------------|---|
| Robert J Mow... | 5 |
| American Sta... | 5 |
| Element Part... | 5 |
| Yahoo! Inc      | 5 |
| Flo Energy S... | 5 |
| Richard H Al... | 5 |
| Westin...       | 5 |
| Ft Energy Co... | 5 |
| Tenaris Coil... | 5 |
| Allied Air E... | 5 |
| Duke M...       | 5 |
| Goodrich Cor... | 5 |
| Hitachi Ener... | 5 |
| Westin...       | 5 |
| Greenh...       | 5 |
| Dana Tm4 Inc    | 5 |
| Fca Us Llc      | 5 |
| Energy Cloud... | 5 |
| Spx Cooling ... | 5 |
| Kraftwerk Un... | 5 |
| Novelair Te...  | 5 |
| Jfeスチー...       | 5 |
| Serge Dube      | 5 |
| Randy ...       | 5 |
| Doosan...       | 5 |
| Marcos Vielm... | 5 |
| Baltimore Ai... | 5 |
| Linde Aktien... | 5 |
| David Sandel... | 5 |
| United State... | 5 |
| Zoll Circula... | 5 |
| Magnix Techn... | 5 |
| Ronald Harri... | 4 |
| Board Of Reg... | 4 |
| S&t Mfg Co      | 4 |
| Alisea S R L    | 4 |
| Davis Energy... | 4 |
| Isolate Inc     | 4 |
| Ihi Corporat... | 4 |
| The Re...       | 4 |

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|-----------------|---|
| Schaeffler T... | 4 |
| Silicon Vall... | 4 |
| Raytheon Tec... | 4 |
| Emerson Clim... | 4 |
| Hyundai Mobi... | 4 |
| Subaru Corpo... | 4 |
| Res Usa Llc     | 4 |
| Alliance For... | 4 |
| Viewray Tech... | 4 |
| Selman And A... | 4 |
| Vert Com Inc    | 4 |
| Arkival Tech... | 4 |
| Schneider El... | 4 |
| Consolidated... | 4 |
| Sanuvov Tech... | 4 |
| Novelis Inc     | 4 |
| Stulz Air Te... | 4 |
| Joseph A Ros... | 4 |
| Charles Mart... | 4 |
| Xdx Global L... | 4 |
| Javier Carlo... | 4 |
| Villara Corp... | 4 |
| Digital Porp... | 4 |
| Sma Solar Te... | 4 |
| Brainsway Lt... | 4 |
| Electrolux D... | 4 |
| Synaptive Me... | 4 |
| Vetco Gray S... | 4 |
| Flowserv Ma...  | 4 |
| Dalian Unive... | 4 |
| Oerlikon Sur... | 4 |
| Javier Ripol... | 4 |
| Institute Of... | 4 |
| Mitsubishi E... | 4 |
| Cambri...       | 4 |
| Hypertherm I... | 4 |
| Coca-Cola Co... | 4 |
| Asml Holding... | 4 |
| Echoge...       | 4 |
| Enqinuity Po... | 4 |

|                 |   |
|-----------------|---|
| Zeltiq Aesth... | 4 |
| Morgan Stanl... | 4 |
| Magnetic App... | 4 |
| Exxonmobil C... | 4 |
| Taiwan Semic... | 4 |
| Supernova Te... | 4 |
| Fidus Invest... | 4 |
| Jpl Investme... | 4 |
| Arcelormitta... | 4 |
| Temper Ip LI... | 4 |
| Anesthetic G... | 4 |
| James Wiese     | 4 |
| Cassantec Ag    | 4 |
| Fujifilm Cor... | 4 |
| Asm Ip Holdi... | 4 |
| Fresh Chill ... | 4 |
| Agilent Tech... | 4 |
| Abb Technolo... | 4 |
| Electric Pow... | 4 |
| The Bank Of ... | 4 |
| Borgwarner I... | 4 |
| Addison Hvac... | 4 |
| Best Technol... | 4 |
| Anvil Techno... | 4 |
| E-Traction E... | 4 |
| Boeing...       | 4 |
| Io Data Cent... | 4 |
| Bose Corpora... | 4 |
| Frosty Cold ... | 4 |
| Blue Box Air... | 4 |
| Texas Instru... | 4 |
| Uop Llc         | 4 |
| Aligned Ener... | 4 |
| Belimo Holdi... | 4 |
| John Bean Te... | 4 |
| Sms Si...       | 4 |
| Berkeley Lig... | 4 |
| Geoffo Cooli... | 4 |
| Hitachi Ener... | 4 |
| Microsoft Ta    | 4 |

|                 |   |
|-----------------|---|
| ...             | 1 |
| Fresh Air So... | 4 |
| Asg Supercon... | 4 |
| David Meisel    | 4 |
| Cymer Inc       | 4 |
| James ...       | 4 |
| Bnp Paribas     | 3 |
| Caeli Llc       | 3 |
| Gary Lawrenc... | 3 |
| Thomas...       | 3 |
| Us Synthetic... | 3 |
| Semequip Inc    | 3 |
| True Manufac... | 3 |
| Harvest Air ... | 3 |
| Steril-Aire ... | 3 |
| Ice Bear Spv... | 3 |
| Volvo Car Co... | 3 |
| Siemen...       | 3 |
| Alfa Laval C... | 3 |
| Novellus Sys... | 3 |
| Laird Techno... | 3 |
| Battelle Ene... | 3 |
| Posco           | 3 |
| Ene003 Llc      | 3 |
| Hobart Llc      | 3 |
| 714287...       | 3 |
| Tas Ltd         | 3 |
| Teco—W...       | 3 |
| The Ho...       | 3 |
| Kato Enginee... | 3 |
| Mission Moto... | 3 |
| Ebara Corpor... | 3 |
| Dennis W O'...  | 3 |
| Wattsu...       | 3 |
| Fundacion Te... | 3 |
| Fei Company     | 3 |
| Daikin Indus... | 3 |
| Nordyne Inc     | 3 |
| Intermolecul... | 3 |
| Doty Scienti... | 3 |
| ...             | 2 |

|                 |   |
|-----------------|---|
| Goldblock Te... | 3 |
| Auburn Unive... | 3 |
| Varian Medic... | 3 |
| Infinity Phy... | 3 |
| Flender Gmbh    | 3 |
| Amgen Inc       | 3 |
| Nooter/eriks... | 3 |
| Uniflair S P... | 3 |
| Sooner B & B... | 3 |
| Dresser-Rand... | 3 |
| Taiwan Semic... | 3 |
| Airtex Manuf... | 3 |
| Tae Technolo... | 3 |
| Schlumberger... | 3 |
| Rtx Corporat... | 3 |
| Technip Ener... | 3 |
| Aisin Seiki ... | 3 |
| John Chris K... | 3 |
| Global Plasm... | 3 |
| Copeland Lp     | 3 |
| Mojave Energ... | 3 |
| Ati Properti... | 3 |
| Windfin B V     | 3 |
| Aircuity Inc    | 3 |
| Frederic D S... | 3 |
| Mb Financial... | 3 |
| Abb Ab          | 3 |
| Richard W Tr... | 3 |
| Seiko Epson ... | 3 |
| Fluid Manage... | 3 |
| Varian Inc      | 3 |
| Shell Oil Co... | 3 |
| Fina Technol... | 3 |
| Cornelius Be... | 3 |
| Surendra Him... | 3 |
| Elkay Manufa... | 3 |
| Hector Delga... | 3 |
| Refractory I... | 3 |
| Polarean Ima... | 3 |
| Fnx-Innov In... | 3 |
|                 | - |

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|-----------------|---|
| Bnnt Lic        | 3 |
| Rolls-Royce ... | 3 |
| Fca Us Lic F... | 3 |
| Electro Indu... | 3 |
| Liquidstack ... | 3 |
| Tom Ascough     | 3 |
| Outotec Oyj     | 3 |
| Praxair Tech... | 3 |
| Ranco Incorp... | 3 |
| Patriarch Pa... | 3 |
| Dover System... | 3 |
| Sensormatic ... | 3 |
| Richard A Bu... | 3 |
| E-Polytech M... | 3 |
| Cornelius De... | 3 |
| Ut-Battelle ... | 3 |
| Delphi Techn... | 3 |
| Dewgood Inc     | 3 |
| Ksm Inc         | 3 |
| Lennox Indus... | 3 |
| Super S E E ... | 3 |
| Nortek Air S... | 3 |
| Beckhoff Aut... | 3 |
| Cgc Group Of... | 3 |
| Arizona Boar... | 3 |
| Xianrui Huan... | 3 |
| Aes Engineer... | 3 |
| Eight Sleep ... | 3 |
| Water Genera... | 3 |
| Bankers Trus... | 3 |
| Mitsubishi E... | 3 |
| U S De...       | 3 |
| Bp Explorati... | 3 |
| Dai Nippon P... | 3 |
| Ambient Wate... | 3 |
| Bruker Ag       | 3 |
| Frank Fierro    | 3 |
| Hatco Corpor... | 3 |
| A/c Care Inc    | 3 |
| Council Of S... | 3 |

|                 |   |
|-----------------|---|
| Haier Us App... | 3 |
| Rolls-Royce ... | 3 |
| Coretronic C... | 3 |
| Compos...       | 3 |
| Integra Miss... | 3 |
| Brunswick Co... | 3 |
| Tsunami Prod... | 3 |
| Carl Zeiss M... | 3 |
| Mcnnna...       | 3 |
| Mitsubishi H... | 3 |
| M2M Im...       | 3 |
| Evapco Inc      | 3 |
| Manitowoc Fo... | 3 |
| Global Water... | 3 |
| Beergo Inc      | 3 |
| Franz Haimer... | 3 |
| Nucor Corpor... | 3 |
| Geron Andre ... | 3 |
| Luis Carlos ... | 3 |
| Eaton Intell... | 3 |
| Design Build... | 3 |
| Volkswagen A... | 3 |
| Abb Power Gr... | 3 |
| Magnus Metal... | 3 |
| Dynapert-Htc... | 3 |
| Sundyne Llc     | 3 |
| Fuji Electri... | 3 |
| Teledyne Isc... | 3 |
| Spring Healt... | 3 |
| Ge-Hitachi N... | 3 |
| Bronsw...       | 3 |
| George Laske... | 3 |
| Silgan Conta... | 3 |
| Geofurnace D... | 3 |
| Bmil Technol... | 3 |
| Coolsystems ... | 2 |
| Bha Altair L... | 2 |
| Amsc W...       | 2 |
| Emitec Gesel... | 2 |
| Detrex Corpo... | 2 |

|                 |   |
|-----------------|---|
| Dean Murphy     | 2 |
| Abb Re...       | 2 |
| Trak Interna... | 2 |
| Donnelly Cor... | 2 |
| Alpine Elect... | 2 |
| Michael Anth... | 2 |
| Siemens Vai ... | 2 |
| Dynami...       | 2 |
| Lancer Corpo... | 2 |
| Laroche Indu... | 2 |
| Powercold Te... | 2 |
| Harold E Sto... | 2 |
| Daisuke Naka... | 2 |
| Indigo Energ... | 2 |
| Research Pro... | 2 |
| Usa Technolo... | 2 |
| Veeco Instru... | 2 |
| Ep Investmen... | 2 |
| Omniteam Inc    | 2 |
| Ice Energy H... | 2 |
| Sunco Invest... | 2 |
| Ali Alajimi     | 2 |
| Wen Zhang       | 2 |
| Magnetic-Ele... | 2 |
| Cooling Netw... | 2 |
| Qualserv Hol... | 2 |
| Medtronic In... | 2 |
| Acma Limited    | 2 |
| Oerlikon Sur... | 2 |
| Pratt & Whit... | 2 |
| Smiths Aeros... | 2 |
| Semitool Inc    | 2 |
| Gaudencio Aq... | 2 |
| Byung-Chul K... | 2 |
| Samsung Sdi ... | 2 |
| Steril-Aire ... | 2 |
| Boston Scien... | 2 |
| Impulse Devi... | 2 |
| Teledyne Ins... | 2 |
| Delphi Inter... | 2 |

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|-----------------|---|
| Airfixture L... | 2 |
| Amos A...       | 2 |
| Eric Dietsch... | 2 |
| Opto Generic... | 2 |
| Calvin Wade ... | 2 |
| Seg Automoti... | 2 |
| Life Science... | 2 |
| Sanyo Electr... | 2 |
| Sekisui Chem... | 2 |
| The Texas A&... | 2 |
| Charles Y La... | 2 |
| Imv Corporat... | 2 |
| Alcatel-Luce... | 2 |
| Mainstream E... | 2 |
| Chengjun Jul... | 2 |
| Alsenz Innov... | 2 |
| Allanco Tech... | 2 |
| Gm Global Te... | 2 |
| Mingsheng Li... | 2 |
| Ebara Solar ... | 2 |
| Evangelos La... | 2 |
| Douglas Pete... | 2 |
| Hologic Inc     | 2 |
| Next Hydroge... | 2 |
| Christopher ... | 2 |
| Hood Technol... | 2 |
| Ray M Alden     | 2 |
| Abb Patent G... | 2 |
| Florida Stat... | 2 |
| Miller Price    | 2 |
| Robert Maruc... | 2 |
| Commissariat... | 2 |
| Lennox...       | 2 |
| Entanglement... | 2 |
| Omnitemp Ind... | 2 |
| Airwars Defe... | 2 |
| Viatron Tech... | 2 |
| Iceotope Lim... | 2 |
| Stratasys In... | 2 |
| Damian...       | 2 |

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|-----------------|---|
| Tom L Pierse... | 2 |
| Tata Steel L... | 2 |
| Sergey Pulni... | 2 |
| Global Palm ... | 2 |
| Coil Control... | 2 |
| Nissin Ion E... | 2 |
| Princeton Op... | 2 |
| Marathon Eng... | 2 |
| Mayo F...       | 2 |
| Screen Holdi... | 2 |
| Albert Reid ... | 2 |
| Ald Vacuum T... | 2 |
| Magcomp Ab      | 2 |
| Etel S A        | 2 |
| Airedale Int... | 2 |
| David Deng      | 2 |
| U S Philips ... | 2 |
| Resolve Digi... | 2 |
| Pulmostics L... | 2 |
| Advantage En... | 2 |
| Stone ...       | 2 |
| Nelumbo Inc     | 2 |
| Urecsys- Urb... | 2 |
| James E Rich... | 2 |
| Fuglesangs S... | 2 |
| Siemen...       | 2 |
| Maham ...       | 2 |
| Meckler Gers... | 2 |
| Continental ... | 2 |
| Daniel W Son... | 2 |
| Hitachi Ltd ... | 2 |
| Atlas L C He... | 2 |
| Bernab...       | 2 |
| Kevin Lee Fr... | 2 |
| Almex Usa In... | 2 |
| Lordan & Co     | 2 |
| Leonid Golds... | 2 |
| Konica Minol... | 2 |
| Tokitae Llc     | 2 |
| Trumpf Laser... | 2 |

|                 |   |
|-----------------|---|
| Sweet Ice In... | 2 |
| Ronald C Rei... | 2 |
| Hitachi Koki... | 2 |
| The Board Of... | 2 |
| Mcmaster Uni... | 2 |
| Metadesign L... | 2 |
| M3 Steel Tec... | 2 |
| Eunhae...       | 2 |
| Advanc...       | 2 |
| Morphy Inc      | 2 |
| Oxford Instr... | 2 |
| Fuji Xerox C... | 2 |
| S A Armstron... | 2 |
| Chrysler Gro... | 2 |
| Yee-Ch...       | 2 |
| Philip Paul ... | 2 |
| Practical So... | 2 |
| Sony G...       | 2 |
| Canada...       | 2 |
| Scania Cv Ab    | 2 |
| Michael Char... | 2 |
| Instituto Na... | 2 |
| Airbus Opera... | 2 |
| Edward M Fre... | 2 |
| Valeo Eautom... | 2 |
| Ralph C Mars... | 2 |
| Hangzhou Fuj... | 2 |
| Lucas Lifeca... | 2 |
| Cnh Industri... | 2 |
| Battelle Mem... | 2 |
| Sergei Mikha... | 2 |
| Siemens Heal... | 2 |
| Bayerische M... | 2 |
| Ajax Toco M...  | 2 |
| Enhanc...       | 2 |
| Gaétan Lesag... | 2 |
| Baxter Inter... | 2 |
| Connecticut ... | 2 |
| Gow Enterpri... | 2 |
| Mks Instrume... | 2 |

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|-----------------|---|
| Dover Techno... | 2 |
| Fermi Resear... | 2 |
| Lummus...       | 2 |
| Minnesota Mi... | 2 |
| Friedrich Al... | 2 |
| Peter Von Cz... | 2 |
| Gary Peter S... | 2 |
| Waveseer Lic    | 2 |
| Ifbattery In... | 2 |
| Pedro Norlit... | 2 |
| Levan Ly        | 2 |
| Abb Po...       | 2 |
| James ...       | 2 |
| Bitfury Ip B... | 2 |
| Specialty Eq... | 2 |
| Terumo Cardi... | 2 |
| Punch Powert... | 2 |
| Kathabar Inc    | 2 |
| University O... | 2 |
| Haden ...       | 2 |
| Siemen...       | 2 |
| John B...       | 2 |
| Shao W Yuan     | 2 |
| Maersk Drill... | 2 |
| Kool-Fire Re... | 2 |
| Drs Naval Po... | 2 |
| Longi Magnet... | 2 |
| Youwinenergy... | 2 |
| Prince Castl... | 2 |
| Liebherr-Cor... | 2 |
| Thermo Fishe... | 2 |
| Chenmi...       | 2 |
| Dick Bixler     | 2 |
| Claudio Mace... | 2 |
| Starkstrom-G... | 2 |
| Zhenyu Lu       | 2 |
| China Datang... | 2 |
| Miguel Angel... | 2 |
| Fabio Lucchi    | 2 |
| Xemo D...       | 2 |

|                 |   |
|-----------------|---|
| George...       | 2 |
| Enrique Lede... | 2 |
| Fawzy T Abde... | 2 |
| Chevron U S ... | 2 |
| Heat Pipe Te... | 2 |
| Mitsubishi J... | 2 |
| Daryl J Brui... | 2 |
| Hdt Expediti... | 2 |
| Muons Inc       | 2 |
| Online Energ... | 2 |
| Store Heat A... | 2 |
| H2O Global L... | 2 |
| Kaltenbach &... | 2 |
| Jpmorg...       | 2 |
| Everlite Hyb... | 2 |
| John P Mlea...  | 2 |
| James Weifu ... | 2 |
| Moteurs Lero... | 2 |
| Hitachi Cons... | 2 |
| Hvac Mfg Inc    | 2 |
| Coopersurgic... | 2 |
| Donald Charl... | 2 |
| Water Techno... | 2 |
| Alaa Abdulka... | 2 |
| Corning Inco... | 2 |
| Nippon Steel... | 2 |
| Emkinetics I... | 2 |
| Timothy C Co... | 2 |
| Hitachi Plan... | 2 |
| Curt B Winte... | 2 |
| Joseph J Gue... | 2 |
| Donald...       | 2 |
| Nippondenso ... | 2 |
| Kyoto Univer... | 2 |
| Radyne...       | 2 |
| Tog Internat... | 2 |
| Poff Cliffor... | 2 |
| Spin Energy ... | 2 |
| Flakt Woods ... | 2 |
| Daniell Corp    | 2 |

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| ...             | 2 |
| Hangzh...       | 2 |
| Florida East... | 2 |
| Gas Technolo... | 2 |
| Avago Techno... | 2 |
| Shenzhen Jt ... | 2 |
| Fujitsu Semi... | 2 |
| Hassan...       | 2 |
| Air Products... | 2 |
| Ina Drives &... | 2 |
| Pressure Was... | 2 |
| Taiwan Semic... | 2 |
| The Mo...       | 2 |
| Cyberonics I... | 2 |
| Spx Corporat... | 2 |
| Ptt Public C... | 2 |
| R J Reynolds... | 2 |
| 19Th Hole Ca... | 2 |
| Thyssenkrupp... | 2 |
| Sundstrand C... | 2 |
| General Cryo... | 2 |
| Bruker Analy... | 2 |
| Servicios Co... | 2 |
| Hpev Inc        | 2 |
| Continental ... | 2 |
| The Penn Sta... | 2 |
| Picker Inter... | 2 |
| Karlsruher I... | 2 |
| Andrew O'ne...  | 2 |
| Henry Hung T... | 2 |
| Anthony D Yo... | 2 |
| Bank Of The ... | 2 |
| Oy Halton Gr... | 2 |
| The Universi... | 2 |
| Siang Teik T... | 2 |
| E G O Elektr... | 2 |
| Nidec Motor ... | 2 |
| Carrier Corp... | 2 |
| Phoeni...       | 2 |
| Joseph Vogel... | 2 |
| ...             | 2 |

|                 |   |
|-----------------|---|
| Unangz...       | 2 |
| Evaporcool S... | 2 |
| Roger Gordon    | 2 |
| James L Cayc... | 2 |
| Innovent Air... | 2 |
| Armin Fiedle... | 2 |
| Brant Stremm... | 2 |
| Emerging Fue... | 2 |
| Hong K...       | 2 |
| Forschungsze... | 2 |
| Steven Clay ... | 2 |
| Burst Energi... | 2 |
| Alexander P ... | 2 |
| Waters Techn... | 2 |
| Intertech Co... | 2 |
| Aquis System... | 2 |
| Midcap Finan... | 2 |
| Safran          | 2 |
| M Arifur Rah... | 2 |
| Airxcel Inc     | 2 |
| Harbin Insti... | 2 |
| Natural Rubb... | 2 |
| Transportati... | 2 |
| Gary E Fout     | 2 |
| Canon ...       | 2 |
| Covap Llc       | 2 |
| Unito Smart ... | 2 |
| Oqab Dietric... | 2 |
| Steering Sol... | 2 |
| Riteaire Mar... | 2 |
| Sheetak Inc     | 2 |
| Nippon Light... | 2 |
| Evangelos Tr... | 2 |
| 江苏兴友环保...       | 2 |
| Rolls-Royce ... | 2 |
| Zhejiang Pan... | 2 |
| 武汉大学            | 2 |
| A/g Innovati... | 2 |
| Tsinghua Uni... | 2 |
| 重庆大学            | 2 |

|                 |   |
|-----------------|---|
| 三峡大学            | 2 |
| L Doug...       | 2 |
| Stellar Ener... | 2 |
| 贵研铂业股份...       | 2 |
| Zhejiang Uni... | 2 |
| Dmytro...       | 2 |
| Zanette & So... | 2 |
| Northrop Gru... | 2 |
| Aegea ...       | 2 |
| Shougang Jin... | 2 |
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| Tim Allan Ny... | 2 |
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| Kepler Energ... | 2 |
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| Shuyong Paul... | 2 |
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| Lee W ...       | 2 |
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| Everest Wate... | 2 |
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| Mike Richard... | 2 |
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| Bd Energy Sy... | 2 |
| Clear Ascent... | 2 |
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| Neal T Murph... | 2 |
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| Mina M...        | 2 |
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| Wisk Aero LI...  | 2 |
| Harman Inter...  | 2 |
| Naver Busine...  | 2 |
| David O Trah...  | 2 |
| Robert Valac...  | 2 |
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| Sharav Sluic...  | 2 |
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| Huntair Inc     | 2 |
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| Lim-Tech Lim... | 2 |
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| Yujie Cui       | 2 |
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| Shenzh...       | 2 |
| Marcin Stani... | 2 |
| Qatar Univer... | 2 |
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| Ashe Morris ... | 2 |
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| Barry W John... | 2 |
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| Richard Junk... | 2 |
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| Morton Curti... | 2 |
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| John Blair      | 2 |
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| Bombardier T... | 2 |
| 广西电网有限...       | 2 |
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| Robert E Mar... | 2 |
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| Charles J Cr... | 1 |

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| Roger Willia... | 1 |
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| Flakt Aktieb... | 1 |
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| Eric P St Jo... | 1 |
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| Sharp ...       | 1 |
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| Calsonic Kan... | 1 |
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| Industry Hea... | 1 |
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| North Europe... | 1 |
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| Bethyl H Ran... | 1 |
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| First Americ... | 1 |
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| Ge Electric ... | 1 |
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| Bristol Comp... | 1 |
| Edge Technol... | 1 |
| Trox Usa Inc    | 1 |
| Tyler Refrig... | 1 |
| Csa Engineer... | 1 |
| Altech Contr... | 1 |
| Mark Turcott... | 1 |
| Mirae Corpor... | 1 |
| Medcool Inc     | 1 |
| Omega Credit... | 1 |
| Endocare Inc    | 1 |
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| Ballard Powe... | 1 |
| Rieter Texti... | 1 |
| Chief Of Nav... | 1 |
| Nexpress Sol... | 1 |
| Ho Hsin Wu      | 1 |
| Marine Desal... | 1 |
| Sintef Energ... | 1 |
| Deutsches Ze... | 1 |
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| Aaon Inc        | 1 |
| Stridsberg L... | 1 |
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| Jimmy C Gray    | 1 |
| Brian C Jone... | 1 |
| Xdx Inc         | 1 |
| G D Searle &... | 1 |
| John C Fisch... | 1 |
| Bp Explorati... | 1 |
| Chaney Linda... | 1 |
| L-3 Co...       | 1 |
| Lancer Partn... | 1 |
| Kennet...       | 1 |
| Intelligent ... | 1 |
| Ti Group Aut... | 1 |
| Fuji Photo F... | 1 |
| Daniel J Bir... | 1 |
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| Sundyn...       | 1 |
| Lynntech Inc    | 1 |
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| Jay K Hertli... | 1 |
| Xdx Technolo... | 1 |
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| David B Lee     | 1 |
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| Lindus S R L    | 1 |

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| Salvador Tru... | 1 |
| Roger Pruitt    | 1 |
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| Mark J Krumn... | 1 |
| Aquatronics ... | 1 |
| Dialysis Sys... | 1 |
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| Cofield Whee... | 1 |
| James McCart... | 1 |
| Douglas Scie... | 1 |
| Omni Team In... | 1 |
| Giles Enterp... | 1 |
| Applied Mate... | 1 |
| Cloud Nine O... | 1 |
| Non-Equilibr... | 1 |
| Venturedyne ... | 1 |
| Frank James ... | 1 |
| Ge Medical S... | 1 |
| The Delfield... | 1 |
| National Uni... | 1 |
| H&m Fo...       | 1 |
| The Universi... | 1 |
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| Fuji Oozx In... | 1 |
| Axcelis Tech... | 1 |
| S & K Produc... | 1 |
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| N V Bekaert ... | 1 |
| Klaus Weigel... | 1 |
| Joseph R Tip... | 1 |
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| Thermal Nort... | 1 |
| Forrest R Po... | 1 |
| Barnstead Th... | 1 |
| Oven S...       | 1 |
| Thayer Danie... | 1 |

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| Engineered E... | 1 |
| Sagar Christ... | 1 |
| Hakan Ingvas... | 1 |
| C + M Interp... | 1 |
| Forrest Poln... | 1 |
| Larry C Simp... | 1 |
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| Firbimatic S... | 1 |
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| Arthur Samue... | 1 |
| Kennet...       | 1 |
| Ctb Inc         | 1 |
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| Promethee       | 1 |
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| Copeland Cor... | 1 |
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| Beckman Inst... | 1 |
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| Mannes...       | 1 |
| Ray Vallejo     | 1 |
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| Kawasaki Ste... | 1 |
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| Engineered P... | 1 |
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| Speedline Te... | 1 |
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| Electric Pow... | 1 |
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| Intel Corpor... | 1 |
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| Viewray Inco... | 1 |
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| 768529...       | 1 |
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| Ser-Ma...       | 1 |
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| Agena Biosci... | 1 |
| Mitek Holdin... | 1 |
| Micron Elect... | 1 |
| Babcock & Wi... | 1 |
| M2M Im...       | 1 |
| Nick Penachi... | 1 |
| Hjamilton Su... | 1 |
| Abb Technolo... | 1 |
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| Andritz-Pate... | 1 |

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| Robert P Bia... | 1 |
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| The Trustees... | 1 |
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| Jason A Sull... | 1 |
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| Rene Grandi     | 1 |
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| Daniel A Gra... | 1 |
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| I O Data Cen...  | 1 |
| Martin Marie...  | 1 |
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| Northeast Ba...  | 1 |
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| Ntn Corporat...  | 1 |
| Weg Electric...  | 1 |
| Venstar Inc      | 1 |
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| Hiroshi Mori...  | 1 |
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| Spm Drink Sy... | 1 |
| Kevin Dooley    | 1 |
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| Sunedison Se... | 1 |
| Tas Energy I... | 1 |
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| Qr Sciences ... | 1 |
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| The Comfort ... | 1 |
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| Refrigeratio... | 1 |
| Rieter Icbt     | 1 |
| Dartmouth Co... | 1 |
| Keybank Nati... | 1 |
| Cabot Microe... | 1 |
| U Chicago Ar... | 1 |
| Baker ...       | 1 |
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| Designed Cli... | 1 |
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| Hans Haasis     | 1 |
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| Secretary Of... | 1 |
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| Roger N Hast... | 1 |

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| Nightbreeze ... | 1 |
| Raymon...       | 1 |
| Michael Soga... | 1 |
| Carl R Hedlu... | 1 |
| Michael West... | 1 |
| Erhard Derle... | 1 |
| Tactical Fab... | 1 |
| Julie A Klei... | 1 |
| William Hunt... | 1 |
| Indian Insti... | 1 |
| Mobile Clima... | 1 |
| C Gene Coin     | 1 |
| Alexander L ... | 1 |
| Airborne Con... | 1 |
| Bowen John G    | 1 |
| Yudo Co Ltd     | 1 |
| Newton Rol B... | 1 |
| Samuel D Pri... | 1 |
| Steril-Aire ... | 1 |
| Nipun Gopald... | 1 |
| H2Fuel Llc      | 1 |
| Enhanced Tur... | 1 |
| Claudio Fili... | 1 |
| David ...       | 1 |
| Ac & H Equip... | 1 |
| Bank Of Amer... | 1 |
| Vapor Fuel T... | 1 |
| Manitowoc Fo... | 1 |
| Larry Richar... | 1 |
| Dennis...       | 1 |
| Mionix Corpo... | 1 |
| Siemens Vdo ... | 1 |
| Fekieh Resea... | 1 |
| Special Prod... | 1 |
| Novelis Corp... | 1 |
| General Elec... | 1 |
| Yakov ...       | 1 |
| Taesung Envi... | 1 |
| Carlos T San... | 1 |
| Agriocultura A  | 1 |

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| ngnawse r...    | 1 |
| Dten Inc        | 1 |
| University O... | 1 |
| Tung C...       | 1 |
| Shreyas Kapa... | 1 |
| Gentle Green... | 1 |
| Hazelett Cas... | 1 |
| Inventive La... | 1 |
| Dyson ...       | 1 |
| Beijing Adva... | 1 |
| New York Uni... | 1 |
| Log 9 Materi... | 1 |
| Nostromo Ltd    | 1 |
| Kerson...       | 1 |
| Hes Energy S... | 1 |
| Moose Creati... | 1 |
| Alfa Laval S... | 1 |
| Richard Arth... | 1 |
| Tomco2 Syste... | 1 |
| Valeo Siemen... | 1 |
| Rheinisch-We... | 1 |
| Dg Innovate ... | 1 |
| Dryair Manuf... | 1 |
| Danthe...       | 1 |
| Jerry Leon K... | 1 |
| Nissen Cooli... | 1 |
| One Energy E... | 1 |
| Ghsp Inc        | 1 |
| Dehumidified... | 1 |
| Provides Met... | 1 |
| Phi-Power Ag    | 1 |
| Intelligent ... | 1 |
| Perkinelmer ... | 1 |
| Karofi Holdi... | 1 |
| Solarisine I... | 1 |
| Asphalt Scie... | 1 |
| Chart Energy... | 1 |
| Voxeljet Ag     | 1 |
| Molex Cvs Da... | 1 |
| Ac Chair Lic    | 1 |
| .....           | 1 |

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|-----------------|---|
| NKT HV Cable... | 1 |
| David Pierre    | 1 |
| The Administ... | 1 |
| Sanjay Gupta    | 1 |
| Johnson Levi... | 1 |
| Moment...       | 1 |
| Fraunhofer-G... | 1 |
| Johnson Cont... | 1 |
| Jing-Jin Ele... | 1 |
| Selaysha Tec... | 1 |
| Gary Haverda    | 1 |
| Fuelpositive... | 1 |
| Guangzhou T ... | 1 |
| Zhao Ri Gan     | 1 |
| Nano Dimensi... | 1 |
| Fritz Schmit... | 1 |
| Consolidated... | 1 |
| Carlo Kristi... | 1 |
| Sloan Water ... | 1 |
| Lei Zhong       | 1 |
| Eric V Dicki... | 1 |
| Hanon ...       | 1 |
| Pioneer Hi-B... | 1 |
| Coolbrook Oy    | 1 |
| Cornell Univ... | 1 |
| Jesse Patric... | 1 |
| Charles R Be... | 1 |
| Roctool         | 1 |
| Inspire Hold... | 1 |
| Nanotek Inst... | 1 |
| Alta Devices... | 1 |
| Augmented Bi... | 1 |
| Kenneth A Ni... | 1 |
| Ceco Environ... | 1 |
| Engip Llc       | 1 |
| Sentro Techn... | 1 |
| Jt Internati... | 1 |
| Marc Gregory... | 1 |
| Billi Austra... | 1 |
| Jfe Steel Co... | 1 |

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|------------------|---|
| Ge Global So...  | 1 |
| W Davis Lee      | 1 |
| Montana Inst...  | 1 |
| Kareem...        | 1 |
| Guangd...        | 1 |
| Lg Magna E-P...  | 1 |
| Huawei Techn...  | 1 |
| The Chinese ...  | 1 |
| Jagannathan ...  | 1 |
| Nissens Cool...  | 1 |
| Moffet Energ...  | 1 |
| Vittorio Bon...  | 1 |
| General Elec...  | 1 |
| James Wiggins... | 1 |
| Lance Nist       | 1 |
| Flux Systems...  | 1 |
| Stevie Horto...  | 1 |
| Eppox            | 1 |
| Sami Abdulra...  | 1 |
| Aisin Corpor...  | 1 |
| Thyssenkrupp...  | 1 |
| Lendell Mart...  | 1 |
| Hyo Shik Kim     | 1 |
| Danieli & C ...  | 1 |
| Mg Heat Lic      | 1 |
| Wichita Stat...  | 1 |
| Ez Pack Wate...  | 1 |
| Chilled Beam...  | 1 |
| Systematic P...  | 1 |
| Easyaircondi...  | 1 |
| Alexander Gr...  | 1 |
| Aurora Fligh...  | 1 |
| Sarah Jewett     | 1 |
| Manitou Equi...  | 1 |
| Andrey Pulni...  | 1 |
| Coors Brewin...  | 1 |
| Midea Group ...  | 1 |
| Magna ...        | 1 |
| Dhaval T Pat...  | 1 |
| Bruker Franc...  | 1 |

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|-----------------|---|
| King Abdulla... | 1 |
| Rohit Gadagk... | 1 |
| Knorr-Bremse... | 1 |
| Jarrold Ward    | 1 |
| Applied Mate... | 1 |
| China Univer... | 1 |
| Electrified ... | 1 |
| Zenno Astron... | 1 |
| Wkl Green En... | 1 |
| Chery ...       | 1 |
| Cielo Wigle ... | 1 |
| Hitachi High... | 1 |
| Clipex Ip Li... | 1 |
| Gkn Automoti... | 1 |
| Zealogics Te... | 1 |
| Effecterra I... | 1 |
| Oplo Connect... | 1 |
| Cristiano Pa... | 1 |
| Airbus Sas      | 1 |
| Xgas As         | 1 |
| Cypress Semi... | 1 |
| Hyeong...       | 1 |
| Shine Techno... | 1 |
| Shenzh...       | 1 |
| Omachron Int... | 1 |
| Arcadia Efue... | 1 |
| Dstar ...       | 1 |
| Universidad ... | 1 |
| Pemamek Oy      | 1 |
| Blowin™ I...    | 1 |
| Deepak Nitri... | 1 |
| Samsun...       | 1 |
| Felix Sorkin    | 1 |
| Zibo Luhua H... | 1 |
| Zhongk...       | 1 |
| Modec Intern... | 1 |
| Spx Cooling ... | 1 |
| Adagio Medic... | 1 |
| Gallagher-Ka... | 1 |
| Gregory J Hu... | 1 |

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|-----------------|---|
| Colorifix Lt... | 1 |
| Yara Interna... | 1 |
| Add To Shape... | 1 |
| Shenzhen Clo... | 1 |
| Hiroshi Okan... | 1 |
| J C Uni-Tec ... | 1 |
| Novopower In... | 1 |
| Dynamic Data... | 1 |
| Michael Moco... | 1 |
| Garrett Tran... | 1 |
| Xi'an The...    | 1 |
| Ferme D'Hive... | 1 |
| Richard A Cl... | 1 |
| Wisconsin Al... | 1 |
| Byd Co...       | 1 |
| Robert Brook... | 1 |
| Nanowall Tec... | 1 |
| Aerobiotix L... | 1 |
| Desert Valle... | 1 |
| Tau Motors I... | 1 |
| Kenneth Dale... | 1 |
| Nan Chen        | 1 |
| Korea Instit... | 1 |
| Automa...       | 1 |
| Neutronstar ... | 1 |
| Medicool Tec... | 1 |
| The Energy C... | 1 |
| Pathogen Pro... | 1 |
| Fbd Partnerh... | 1 |
| Kla Corporat... | 1 |
| Saic Motor C... | 1 |
| Alfonso Hern... | 1 |
| Kyungp...       | 1 |
| Novacc Clean... | 1 |
| Oshkos...       | 1 |
| Purdue...       | 1 |
| Daf Trucks N... | 1 |
| Mark Crabtre... | 1 |
| Gea Me...       | 1 |
| Clear-Cut Me... | 1 |

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|-----------------|---|
| Marco Antoni... | 1 |
| Baz Biomedic... | 1 |
| Sichuan Hong... | 1 |
| Mikhail V So... | 1 |
| Kabushiki Ka... | 1 |
| Conmed...       | 1 |
| Scott Allen ... | 1 |
| Kyungd...       | 1 |
| Cssc S...       | 1 |
| Inductev Inc    | 1 |
| Urbix Resour... | 1 |
| Rimb Group L... | 1 |
| Roche ...       | 1 |
| Urban Coolin... | 1 |
| Aptera Motor... | 1 |
| Nano And Adv... | 1 |
| Varex Imagin... | 1 |
| Anthony King    | 1 |
| Dive Xtras I... | 1 |
| Central Sout... | 1 |
| Whytot Sas      | 1 |
| Multi-Scale ... | 1 |
| Calaris Tech... | 1 |
| Ampa Inc        | 1 |
| Hebei Qinhua... | 1 |
| Cochlear Lim... | 1 |
| Benzi & Part... | 1 |
| Geovention I... | 1 |
| Natural Air ... | 1 |
| Drinkstation... | 1 |
| I Sq R Power... | 1 |
| Remy T...       | 1 |
| Synthesis En... | 1 |
| Clearsign Co... | 1 |
| Eaam Driveli... | 1 |
| Nagaok...       | 1 |
| Man Truck & ... | 1 |
| Hobart Broth... | 1 |
| Kovatch Mobi... | 1 |
| Tps Llc         | 1 |

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|-----------------|---|
| The United S... | 1 |
| Salzgitter F... | 1 |
| Cellco Partn... | 1 |
| Leslie Lloyd... | 1 |
| H3 Polimeros... | 1 |
| Panace...       | 1 |
| Shanghai Res... | 1 |
| Margin Consu... | 1 |
| Mario Viscov... | 1 |
| Guangd...       | 1 |
| Amass ...       | 1 |
| E-Sunscience... | 1 |
| Thomas...       | 1 |
| Apiqe Holdin... | 1 |
| Laukien Dirk    | 1 |
| Liviu Popa-S... | 1 |
| Mohamm...       | 1 |
| Microsoft Co... | 1 |
| Cambri...       | 1 |
| Energy Recov... | 1 |
| Pacecontrols... | 1 |
| Nicholas F U... | 1 |
| The Privateb... | 1 |
| Seann Pavlik    | 1 |
| Merdad Kalan... | 1 |
| Applied Rese... | 1 |
| Christopher ... | 1 |
| Regal Beloit... | 1 |
| Yee Man Liu     | 1 |
| Revelis Sper... | 1 |
| Mof Applicat... | 1 |
| Peter Vasvar... | 1 |
| Benjamin Cox    | 1 |
| Kristi Lee D... | 1 |
| Etiam Oy        | 1 |
| Gtherm Inc      | 1 |
| Tufts Univer... | 1 |
| Shangh...       | 1 |
| Total Energy... | 1 |
| Po Box 32598    | 1 |

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|-----------------|---|
| Lawrence Ors... | 1 |
| Boge K...       | 1 |
| Xin Fan         | 1 |
| Valeo System... | 1 |
| Superior Fib... | 1 |
| Bank Of Amer... | 1 |
| Roll Holding... | 1 |
| Draeger Safe... | 1 |
| Sumitomo Shi... | 1 |
| Glorin Group    | 1 |
| Siemens Vai ... | 1 |
| Eberspaecher... | 1 |
| Thomas...       | 1 |
| Deep Science... | 1 |
| Huang Shih-K... | 1 |
| Posco Energy... | 1 |
| Thermo Fishe... | 1 |
| Walter Stark    | 1 |
| Sanjay K Roy    | 1 |
| The Board Of... | 1 |
| General Elec... | 1 |
| Sinovel Wind... | 1 |
| Guangzhou In... | 1 |
| Pronomic Ind... | 1 |
| Rentech Inc     | 1 |
| Panasonic In... | 1 |
| Siemens S A ... | 1 |
| Michael Will... | 1 |
| American Hyd... | 1 |
| Baselineus      | 1 |
| Kellogg Brow... | 1 |
| Pet Projects... | 1 |
| Nei Treatmen... | 1 |
| Peter Quenti... | 1 |
| Heat-Pipe Te... | 1 |
| Arthur Conso... | 1 |
| Prismo Road ... | 1 |
| Steven M Nil... | 1 |
| Alexei Stadn... | 1 |
| Sun To Water... | 1 |

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|-----------------|---|
| Agienic Inc     | 1 |
| J M Family E... | 1 |
| Xiangtan Ele... | 1 |
| North Haven ... | 1 |
| Franklin F M... | 1 |
| Adam Elliott    | 1 |
| Magna ...       | 1 |
| Robert Hon-S... | 1 |
| Thomas...       | 1 |
| Ofir Yamin      | 1 |
| Jonathan Kar... | 1 |
| H T Solution... | 1 |
| Sulzer Manag... | 1 |
| Synairco Inc    | 1 |
| En-Tech Co L... | 1 |
| Totaro Phili... | 1 |
| Alpha Dominc... | 1 |
| Medhab          | 1 |
| Blackbird Te... | 1 |
| Vista Resear... | 1 |
| Foshan...       | 1 |
| Santander Ba... | 1 |
| Reg Syntheti... | 1 |
| Howell Hobso... | 1 |
| Glassy Metal... | 1 |
| Nvisana Co L... | 1 |
| Keith Richar... | 1 |
| 127097...       | 1 |
| Constellium ... | 1 |
| Nordme...       | 1 |
| Priyadarshi ... | 1 |
| Nortek Air S... | 1 |
| The Tisdale ... | 1 |
| Friwo Geräte... | 1 |
| Climate Tech... | 1 |
| Aeris Enviro... | 1 |
| Harry Earl H... | 1 |
| Thomas...       | 1 |
| Ice Qube Inc    | 1 |
| Rickey S Lut... | 1 |

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| Magnet...       | 1 |
| Netenergy Na... | 1 |
| Hidetoshi Ka... | 1 |
| Revolver 26 ... | 1 |
| Terrestrial ... | 1 |
| Group One Li... | 1 |
| Commissariat... | 1 |
| Canadian Env... | 1 |
| Aerody...       | 1 |
| Nanjing Yout... | 1 |
| Smart Grow P... | 1 |
| Smartgreen L... | 1 |
| Antonio Vazq... | 1 |
| Pneumrx Inc     | 1 |
| John O'bria...  | 1 |
| Kenneth Mich... | 1 |
| Jennifer Kri... | 1 |
| Axel Michael... | 1 |
| Nathaniel S ... | 1 |
| Cory Jacob H... | 1 |
| Xi'an Jia...    | 1 |
| Peter Mccaul... | 1 |
| Boosted Inc     | 1 |
| Linear Labs ... | 1 |
| Satish Sc Ra... | 1 |
| Nextwatts In... | 1 |
| Henkel Ag & ... | 1 |
| Caterpillar ... | 1 |
| American Air... | 1 |
| Technip Fran... | 1 |
| Curium Us Li... | 1 |
| Arburg Gmbh ... | 1 |
| Water Now In... | 1 |
| Michael Spar... | 1 |
| M-Link Co Lt... | 1 |
| Johnny...       | 1 |
| Growtech Inn... | 1 |
| Hitachi Plan... | 1 |
| Lew Swan        | 1 |
| Arms Belt To    | 1 |

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|------------------|---|
| Joseph S. ...    | 1 |
| Josiah Lamar...  | 1 |
| Kevin S Marc...  | 1 |
| Ultra Emissi...  | 1 |
| George Micha...  | 1 |
| Des Moines S...  | 1 |
| Jeffery K Pe...  | 1 |
| Technologies...  | 1 |
| Ecowell Inc      | 1 |
| Vapor Techno...  | 1 |
| Fuglesangs S...  | 1 |
| Mahin ...        | 1 |
| Dew Point Re...  | 1 |
| John M...        | 1 |
| Frank J Cain     | 1 |
| Avespa Holdi...  | 1 |
| Rbc Gr...        | 1 |
| Compos...        | 1 |
| Sona Pumps       | 1 |
| Black Swan E...  | 1 |
| Seyyed Farid ... | 1 |
| White Oak In...  | 1 |
| Yap Kah Peng     | 1 |
| Doe Kofi Oca...  | 1 |
| Hvac Mfg         | 1 |
| Empire Techn...  | 1 |
| Travis R Mcp...  | 1 |
| Arigos Biome...  | 1 |
| Ignazio Fari...  | 1 |
| Boyd Bowdish     | 1 |
| Broen A/s        | 1 |
| Industry-Aca...  | 1 |
| Daniel R Bur...  | 1 |
| David Bradle...  | 1 |
| Jintuo Petro...  | 1 |
| D M Advantag...  | 1 |
| Shijiazhuang...  | 1 |
| William Harr...  | 1 |
| Timothy C Le...  | 1 |
| Moog U...        | 1 |
| ...              | 1 |

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| Fourbarrel C... | 1 |
| Jdm Health M... | 1 |
| Brown Univer... | 1 |
| Frank Heim      | 1 |
| Excalibur Ip... | 1 |
| Cibc Bank Us... | 1 |
| Cooper Techn... | 1 |
| Hong Deng       | 1 |
| Joseph Baruc... | 1 |
| Piper Enviro... | 1 |
| Sanuvox Tech... | 1 |
| Xiamen Jiada... | 1 |
| Delgadillo R... | 1 |
| Velayudhan S... | 1 |
| Nov Do...       | 1 |
| Eliot Ahdoot    | 1 |
| Emission Tec... | 1 |
| Bripco Bvba     | 1 |
| Geron Bindse... | 1 |
| Golden...       | 1 |
| Tianjin Chen... | 1 |

| 專利權人                                | 專利件數<br>平均 2.38 | 專利數比例 |
|-------------------------------------|-----------------|-------|
| Total                               | 6607            | 100%  |
| General Electric Company            | 242             | 3.66% |
| Siemens Aktiengesellschaft          | 124             | 1.88% |
| Johnson Controls Technology Company | 83              | 1.26% |
| Carrier Corporation                 | 58              | 0.88% |
| Google Llc                          | 56              | 0.85% |
| Lennox Industries Inc               | 51              | 0.77% |
| Trane International Inc             | 47              | 0.71% |
| Koninklijke Philips N V             | 39              | 0.59% |
| Vestas Wind Systems A/s             | 39              | 0.59% |
| Hitachi Ltd                         | 36              | 0.55% |
| The Boeing Company                  | 34              | 0.52% |
| Applied Materials Inc               | 34              | 0.52% |
| Asml Netherlands B V                | 33              | 0.5%  |
| Hyundai Motor Company               | 30              | 0.45% |
| Hill Phoenix Inc                    | 29              | 0.44% |
| Ford Global Technologies Llc        | 29              | 0.44% |
| Nortek Air Solutions Canada Inc     | 29              | 0.44% |
| Koninklijke Philips Electronics N V | 28              | 0.42% |
| Therma-Stor Llc                     | 28              | 0.42% |

|                                                |    |       |
|------------------------------------------------|----|-------|
| Rheem Manufacturing Company                    | 27 | 0.41% |
| Honeywell International Inc                    | 27 | 0.41% |
| Hamilton Sundstrand Corporation                | 27 | 0.41% |
| Bruker Biospin Ag                              | 25 | 0.38% |
| King Fahd University Of Petroleum And Minerals | 25 | 0.38% |
| Heatcraft Refrigeration Products Llc           | 24 | 0.36% |
| Munters Corporation                            | 23 | 0.35% |
| Canon Kabushiki Kaisha                         | 23 | 0.35% |
| Baidu Usa Llc                                  | 23 | 0.35% |
| Honda Motor Co Ltd                             | 23 | 0.35% |
| Johnson Controls Tyco Ip Holdings Llp          | 22 | 0.33% |
| Illinois Tool Works Inc                        | 22 | 0.33% |
| Nikon Corporation                              | 22 | 0.33% |
| Toyota Jidosha Kabushiki Kaisha                | 20 | 0.3%  |
| Siemens Healthcare Gmbh                        | 20 | 0.3%  |
| American Superconductor Corporation            | 19 | 0.29% |
| Siemens Energy Inc                             | 17 | 0.26% |
| Schneider Electric It Corporation              | 17 | 0.26% |
| International Business Machines Corporation    | 17 | 0.26% |
| Kabushiki Kaisha Toshiba                       | 17 | 0.26% |
| Samsung Electronics Co Ltd                     | 16 | 0.24% |
| Kenneth L Eiermann                             | 16 | 0.24% |
| York International Corporation                 | 16 | 0.24% |
| Ge Precision Healthcare Llc                    | 16 | 0.24% |
| Jpmorgan Chase Bank N A As Collateral Agent    | 16 | 0.24% |
| Scot M Duncan                                  | 15 | 0.23% |
| Baselayer Technology Llc                       | 15 | 0.23% |
| 7Ac Technologies Inc                           | 15 | 0.23% |
| Thermo King Corporation                        | 15 | 0.23% |
| Mitsubishi Denki Kabushiki Kaisha              | 14 | 0.21% |
| Denso Corporation                              | 14 | 0.21% |
| Gm Global Technology Operations Llc            | 14 | 0.21% |
| Google Inc                                     | 14 | 0.21% |
| Ge Aviation Systems Llc                        | 13 | 0.2%  |
| Husmann Corporation                            | 13 | 0.2%  |
| Semco Llc                                      | 13 | 0.2%  |
| Enverid Systems Inc                            | 13 | 0.2%  |
| Bruker Biospin Gmbh                            | 13 | 0.2%  |
| Bruker Switzerland Ag                          | 12 | 0.18% |
| Raytheon Company                               | 12 | 0.18% |
| Ovh                                            | 12 | 0.18% |
| Liebert Corporation                            | 12 | 0.18% |
| Massachusetts Institute Of Technology          | 11 | 0.17% |
| Time Medical Holdings Company Limited          | 11 | 0.17% |
| Honeywell Inc                                  | 11 | 0.17% |

|                                                 |    |       |
|-------------------------------------------------|----|-------|
| Ctm Magnetics Inc                               | 11 | 0.17% |
| Ecodyst Inc                                     | 11 | 0.17% |
| Siemens Gamesa Renewable Energy A/s             | 11 | 0.17% |
| Caterpillar Inc                                 | 11 | 0.17% |
| The Coca-Cola Company                           | 10 | 0.15% |
| Tokamak Energy Ltd                              | 10 | 0.15% |
| Xinjiang Goldwind Science & Technology Co Ltd   | 10 | 0.15% |
| Scot Matthew Duncan                             | 10 | 0.15% |
| Nikola Lakic                                    | 10 | 0.15% |
| Inductotherm Corp                               | 10 | 0.15% |
| Teco-Westinghouse Motor Company                 | 10 | 0.15% |
| Audi Ag                                         | 10 | 0.15% |
| Abb Schweiz Ag                                  | 10 | 0.15% |
| Amazon Technologies Inc                         | 9  | 0.14% |
| Inertech Ip Llc                                 | 9  | 0.14% |
| Tokyo Electron Limited                          | 9  | 0.14% |
| Tecogen Inc                                     | 9  | 0.14% |
| Sumitomo Heavy Industries Ltd                   | 9  | 0.14% |
| Lg Electronics Inc                              | 9  | 0.14% |
| Robert W Jacobi                                 | 9  | 0.14% |
| Lancer Partnership Ltd                          | 9  | 0.14% |
| Otis Elevator Company                           | 9  | 0.14% |
| Shahin Pourrahi                                 | 9  | 0.14% |
| Lockheed Martin Corporation                     | 9  | 0.14% |
| Atieva Inc                                      | 9  | 0.14% |
| Halliburton Energy Services Inc                 | 9  | 0.14% |
| Dana Automotive Systems Group Llc               | 9  | 0.14% |
| Jpmorgan Chase Bank N A As Administrative Agent | 9  | 0.14% |
| Daniel P Mccarty                                | 8  | 0.12% |
| Ecolab Usa Inc                                  | 8  | 0.12% |
| Whirlpool Corporation                           | 8  | 0.12% |
| R4 Ventures Llc                                 | 8  | 0.12% |
| 3M Innovative Properties Company                | 8  | 0.12% |
| Kubota Corporation                              | 8  | 0.12% |
| Cpsi Holdings Llc                               | 8  | 0.12% |
| Vertiv Corporation                              | 8  | 0.12% |
| Georgia Tech Research Corporation               | 8  | 0.12% |
| Mahle International Gmbh                        | 8  | 0.12% |
| Hewlett Packard Enterprise Development Lp       | 8  | 0.12% |
| Scientific Environmental Design Inc             | 8  | 0.12% |
| Envision Energy Denmark Aps                     | 8  | 0.12% |
| Kelix Heat Transfer Systems Llc                 | 8  | 0.12% |
| Wobben Properties Gmbh                          | 8  | 0.12% |
| Nanotech Energy Inc                             | 7  | 0.11% |
| Intuitive Surgical Operations Inc               | 7  | 0.11% |
| Dr Ing H C F Porsche Aktiengesellschaft         | 7  | 0.11% |
| Adwen Offshore S L                              | 7  | 0.11% |
| United Technologies Corporation                 | 7  | 0.11% |
| Exaflop Llc                                     | 7  | 0.11% |

|                                                                |   |       |
|----------------------------------------------------------------|---|-------|
| Milton Meckler                                                 | 7 | 0.11% |
| Komatsu Ltd                                                    | 7 | 0.11% |
| Lgl France S A S                                               | 7 | 0.11% |
| Saudi Arabian Oil Company                                      | 7 | 0.11% |
| Energy United States Department Of                             | 7 | 0.11% |
| Nippon Steel Corporation                                       | 7 | 0.11% |
| Siemens Energy Global Gmbh & Co Kg                             | 7 | 0.11% |
| Gamesa Innovation & Technology S L                             | 7 | 0.11% |
| Delaware Capital Formation Inc                                 | 7 | 0.11% |
| President And Fellows Of Harvard College                       | 7 | 0.11% |
| Siemens Plc                                                    | 7 | 0.11% |
| Rocky Research                                                 | 7 | 0.11% |
| Delta Electronics Inc                                          | 7 | 0.11% |
| Great Source Innovations Llc                                   | 7 | 0.11% |
| Energy Environmental Corporation                               | 7 | 0.11% |
| Hewlett-Packard Development Company L P                        | 7 | 0.11% |
| Dongbu Daewoo Electronics Corporation                          | 7 | 0.11% |
| Kentuckiana Curb Company Inc                                   | 7 | 0.11% |
| Toshiba Medical Systems Corporation                            | 7 | 0.11% |
| Nissan Motor Co Ltd                                            | 6 | 0.09% |
| Panasonic Corporation                                          | 6 | 0.09% |
| Klinge Corporation                                             | 6 | 0.09% |
| Canadian Imperial Bank Of Commerce                             | 6 | 0.09% |
| General Atomics                                                | 6 | 0.09% |
| Regal Beloit America Inc                                       | 6 | 0.09% |
| Synaptive Medical Barbados Inc                                 | 6 | 0.09% |
| Emerson Electric Co                                            | 6 | 0.09% |
| Toyota Motor Engineering & Manufacturing North America Inc     | 6 | 0.09% |
| Advanced Imaging Research Inc                                  | 6 | 0.09% |
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| Grant A MacLennan                                              | 6 | 0.09% |
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| Heds Holdings Llc                                              | 6 | 0.09% |
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| Zf Friedrichshafen Ag                                          | 6 | 0.09% |
| Festool Gmbh                                                   | 6 | 0.09% |
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| Elwha Llc                                                      | 6 | 0.09% |
| Beijing Baidu Netcom Science And Technology Co Ltd             | 6 | 0.09% |
| Dana Belgium N V                                               | 6 | 0.09% |

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| Langenstein & Schemann Gmbh                                                               | 2 | 0.03% |
| 1236220 B C Ltd                                                                           | 2 | 0.03% |
| Integrated Device Technology Inc                                                          | 2 | 0.03% |
| Rebound Technologies Inc                                                                  | 2 | 0.03% |
| Prime Datum Inc                                                                           | 2 | 0.03% |
| Brother Kogyo Kabushiki Kaisha                                                            | 2 | 0.03% |
| Siemens Corporation                                                                       | 2 | 0.03% |
| Sunamp Limited                                                                            | 2 | 0.03% |
| Shanghai Joulead Electric Co Ltd                                                          | 2 | 0.03% |
| Western Industries Inc                                                                    | 2 | 0.03% |
| Quattro Dynamics Company Limited                                                          | 2 | 0.03% |
| Bombardier Transportation Gmbh                                                            | 2 | 0.03% |
| 广西电网有限责任公司电力科学研究院                                                                         | 2 | 0.03% |
| Huawei Digital Power Technologies Co Ltd                                                  | 2 | 0.03% |
| Sonic Blue Aerospace Inc                                                                  | 2 | 0.03% |
| Justin Schaefer                                                                           | 2 | 0.03% |
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| Shimadzu Corporation                                                                      | 2 | 0.03% |
| Guangdong Shenling Environmental Systems Co Ltd                                           | 2 | 0.03% |
| Smithkline Beecham Corporation                                                            | 2 | 0.03% |
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| Better Boating Partners Llc                                                               | 2 | 0.03% |
| Desert Aire Corp                                                                          | 2 | 0.03% |
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| Chengdu Yijian Medical Technology Co Ltd                                                  | 2 | 0.03% |
| Faurecia Emissions Control Technologies Usa Llc                                           | 2 | 0.03% |
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| Supercooler Llc                                                                           | 2 | 0.03% |
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| Honeywell Inc A De Corp                                                                   | 1 | 0.02% |
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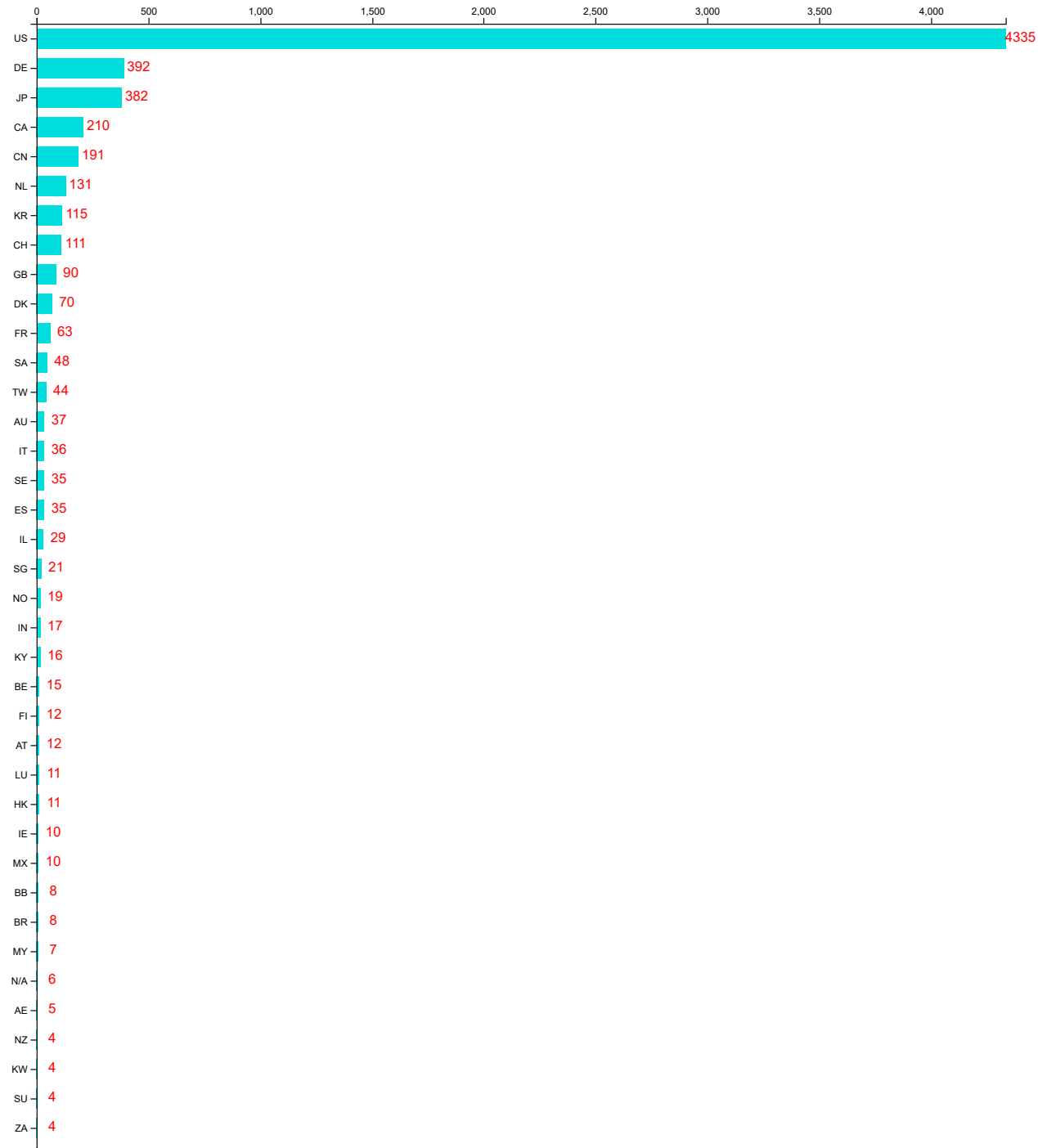
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|     |   |
|-----|---|
| PH  | 4 |
| BM  | 4 |
| BS  | 3 |
| GB3 | 3 |
| CL  | 3 |
| RU  | 2 |
| TH  | 2 |
| PL  | 2 |
| QA  | 2 |
| CZ  | 2 |
| IR  | 2 |
| LI  | 2 |
| UA  | 2 |
| HU  | 1 |
| GB6 | 1 |
| CY  | 1 |
| DD  | 1 |
| GB2 | 1 |
| GG  | 1 |
| TT  | 1 |
| PY  | 1 |
| VG  | 1 |
| GR  | 1 |
| PE  | 1 |
| BG  | 1 |
| TR  | 1 |
| VN  | 1 |
| MT  | 1 |
| LV  | 1 |

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|----|------------------|--------------------|----------------------|
| US | 4335             | 4958               | 1.14                 |
| DE | 392              | 423                | 1.08                 |
| JP | 382              | 437                | 1.14                 |
| CA | 210              | 254                | 1.21                 |
| CN | 191              | 222                | 1.16                 |
| NL | 131              | 134                | 1.02                 |
| KR | 115              | 145                | 1.26                 |
| CH | 111              | 119                | 1.07                 |
| GB | 90               | 109                | 1.21                 |
| DK | 70               | 73                 | 1.04                 |

|     |    |    |      |
|-----|----|----|------|
| FR  | 63 | 71 | 1.13 |
| SA  | 48 | 49 | 1.02 |
| TW  | 44 | 49 | 1.11 |
| AU  | 37 | 42 | 1.14 |
| IT  | 36 | 37 | 1.03 |
| SE  | 35 | 36 | 1.03 |
| ES  | 35 | 35 | 1.00 |
| IL  | 29 | 30 | 1.03 |
| SG  | 21 | 22 | 1.05 |
| NO  | 19 | 19 | 1.00 |
| IN  | 17 | 17 | 1.00 |
| KY  | 16 | 16 | 1.00 |
| BE  | 15 | 15 | 1.00 |
| FI  | 12 | 14 | 1.17 |
| AT  | 12 | 12 | 1.00 |
| LU  | 11 | 11 | 1.00 |
| HK  | 11 | 11 | 1.00 |
| IE  | 10 | 13 | 1.30 |
| MX  | 10 | 18 | 1.80 |
| BB  | 8  | 8  | 1.00 |
| BR  | 8  | 10 | 1.25 |
| MY  | 7  | 7  | 1.00 |
| N/A | 6  | 7  | 1.17 |
| AE  | 5  | 5  | 1.00 |
| NZ  | 4  | 4  | 1.00 |

|     |   |    |      |
|-----|---|----|------|
| KW  | 4 | 4  | 1.00 |
| SU  | 4 | 19 | 4.75 |
| ZA  | 4 | 4  | 1.00 |
| PH  | 4 | 4  | 1.00 |
| BM  | 4 | 4  | 1.00 |
| BS  | 3 | 3  | 1.00 |
| GB3 | 3 | 3  | 1.00 |
| CL  | 3 | 5  | 1.67 |
| RU  | 2 | 8  | 4.00 |
| TH  | 2 | 2  | 1.00 |
| PL  | 2 | 6  | 3.00 |
| QA  | 2 | 2  | 1.00 |
| CZ  | 2 | 2  | 1.00 |
| IR  | 2 | 4  | 2.00 |
| LI  | 2 | 2  | 1.00 |
| UA  | 2 | 2  | 1.00 |
| HU  | 1 | 1  | 1.00 |
| GB6 | 1 | 1  | 1.00 |
| CY  | 1 | 2  | 2.00 |
| DD  | 1 | 1  | 1.00 |
| GB2 | 1 | 1  | 1.00 |
| GG  | 1 | 1  | 1.00 |
| TT  | 1 | 1  | 1.00 |
| PY  | 1 | 1  | 1.00 |
| VG  | 1 | 1  | 1.00 |
| GR  | 1 | 1  | 1.00 |
| PE  | 1 | 1  | 1.00 |
| BG  | 1 | 1  | 1.00 |
| TR  | 1 | 1  | 1.00 |
| VN  | 1 | 1  | 1.00 |
| MT  | 1 | 1  | 1.00 |
| LV  | 1 | 1  | 1.00 |