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Property  
Owners  
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# Top 300 Organizations Granted U.S. Patents in 2020

38<sup>th</sup> Annual Listing

*This list of organizations that received the most U.S. utility patents is being published by IPO for the 38<sup>th</sup> consecutive year, in collaboration with [Harrity Analytics](#). It is based on data obtained from the U.S. Patent and Trademark Office.*

*For additional patent prosecution, technology, and law firm statistics related to the U.S. Patents issued in 2020, visit the [Patent 300® website](#) for an interactive dashboard.*

January 14, 2021

# 2020 Patent Owners

## Numerical Listing

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| Rank | Organization                    | 2020 Patents | Change from 2019 |
|------|---------------------------------|--------------|------------------|
| 1    | INTERNATIONAL BUSINESS MACHINES | 9435         | 0%               |
| 2    | SAMSUNG ELECTRONICS CO., LTD.   | 8539         | -1%              |
| 3    | LG CORPORATION                  | 5112         | 4%               |
| 4    | CANON K.K.                      | 3689         | -9%              |
| 5    | INTEL CORPORATION               | 3284         | -12%             |
| 6    | RAYTHEON TECHNOLOGIES           | 3213         | 1%               |
| 7    | HUAWEI TECHNOLOGIES CO., LTD.   | 3178         | 9%               |
| 8    | MICROSOFT CORPORATION           | 2972         | -5%              |
| 9    | TAIWAN SEMICONDUCTOR MFG. CO.   | 2892         | 22%              |
| 10   | SONY CORPORATION                | 2886         | 5%               |
| 11   | APPLE INC.                      | 2840         | 12%              |
| 12   | DELL TECHNOLOGIES               | 2826         | 13%              |
| 13   | TOYOTA JIDOSHA K.K.             | 2819         | 4%               |
| 14   | GENERAL ELECTRIC COMPANY        | 2417         | -1%              |
| 15   | ALPHABET INC.                   | 2379         | -10%             |
| 16   | AMAZON.COM, INC.                | 2373         | -7%              |
| 17   | QUALCOMM                        | 2297         | -4%              |
| 18   | BOE TECHNOLOGY GROUP CO., LTD.  | 2157         | -1%              |
| 19   | FORD MOTOR COMPANY              | 2090         | -17%             |
| 20   | PANASONIC CORPORATION           | 1929         | -5%              |
| 21   | HYUNDAI MOTOR COMPANY           | 1626         | -1%              |
| 22   | MICRON TECHNOLOGY INC.          | 1535         | 21%              |
| 23   | FACEBOOK, INC.                  | 1527         | 16%              |
| 24   | JOHNSON & JOHNSON               | 1492         | 0%               |
| 25   | HITACHI, LTD.                   | 1472         | -3%              |
| 26   | THE BOEING COMPANY              | 1464         | 4%               |
| 27   | AT&T INC.                       | 1459         | 1%               |
| 28   | MEDTRONIC PLC                   | 1440         | 2%               |
| 29   | ERICSSON                        | 1401         | -14%             |
| 30   | FUJIFILM HOLDINGS CORP          | 1378         | 0%               |
| 31   | SIEMENS AG                      | 1341         | -6%              |
| 32   | EPSON                           | 1335         | 0%               |
| 33   | MITSUBISHI ELECTRIC CORPORATION | 1319         | -3%              |
| 34   | TOSHIBA CORPORATION             | 1314         | -4%              |
| 35   | HONDA MOTOR COMPANY, LTD.       | 1219         | 12%              |
| 36   | DENSO CORPORATION               | 1214         | 3%               |
| 37   | HONEYWELL INTERNATIONAL INC.    | 1178         | 0%               |
| 38   | TEXAS INSTRUMENTS INCORPORATED  | 1150         | 28%              |
| 39   | CISCO SYSTEMS, INC.             | 1141         | -1%              |
| 40   | US FEDERAL GOVERNMENT           | 1108         | -10%             |
| 41   | ROBERT BOSCH GMBH               | 1100         | -13%             |
| 42   | FUJITSU LIMITED                 | 1093         | -15%             |
| 43   | SK GROUP                        | 1091         | 12%              |
| 44   | SHARP CORPORATION               | 1052         | 26%              |
| 45   | NEC CORPORATION                 | 1007         | -2%              |
| 46   | HP INC.                         | 989          | 4%               |
| 47   | KYOCERA CORPORATION             | 978          | -10%             |
| 48   | KONINKLIJKE PHILIPS N.V.        | 949          | -11%             |
| 49   | RICOH COMPANY LTD.              | 938          | -6%              |
| 50   | MURATA MANUFACTURING CO., LTD.  | 892          | -10%             |

| Rank | Organization                      | 2020 Patents | Change from 2019 |
|------|-----------------------------------|--------------|------------------|
| 51   | TCL CORPORATION                   | 880          | -30%             |
| 52   | INFINEON TECHNOLOGIES AG          | 834          | -12%             |
| 53   | HEWLETT PACKARD ENTERPRISE        | 831          | 1%               |
| 54   | GENERAL MOTORS COMPANY            | 802          | -40%             |
| 55   | WESTERN DIGITAL CORPORATION       | 788          | 6%               |
| 56   | ORACLE CORPORATION                | 783          | -11%             |
| 57   | HALLIBURTON COMPANY               | 778          | -24%             |
| 58   | NOKIA CORPORATION                 | 757          | -20%             |
| 59   | KIOXIA HOLDINGS CORPORATION       | 756          | 4%               |
| 60   | CAPITAL ONE FINANCIAL CORP.       | 747          | 20%              |
| 61   | SUMITOMO ELECTRIC INDUSTRIES      | 740          | 2%               |
| 62   | APPLIED MATERIALS, INC.           | 738          | 0%               |
| 63   | SAP SE                            | 737          | 9%               |
| 64   | ALIBABA GROUP HOLDING LIMITED     | 721          | 150%             |
| 65   | SOFTBANK GROUP CORP.              | 720          | 14%              |
| 66   | BROTHER INDUSTRIES, LTD.          | 713          | -8%              |
| 67   | VERIZON COMMUNICATIONS INC.       | 712          | 11%              |
| 68   | BAYER AG                          | 706          | -9%              |
| 69   | UNIVERSITY OF CALIFORNIA          | 687          | -2%              |
| 70   | SAUDI ARABIAN OIL COMPANY         | 683          | 30%              |
| 71   | 3M COMPANY                        | 668          | -1%              |
| 72   | PORSCHE AUTOMOBIL HOLDING SE      | 658          | 5%               |
| 73   | NXP SEMICONDUCTORS N.V.           | 649          | 0%               |
| 74   | STMICROELECTRONICS                | 646          | -14%             |
| 75   | OLYMPUS CORPORATION               | 643          | -9%              |
| 76   | SAFRAN S.A.                       | 641          | 13%              |
| 77   | THE PROCTER & GAMBLE COMPANY      | 640          | 18%              |
| 78   | FANUC CORPORATION                 | 634          | -5%              |
| 79   | SCHLUMBERGER LIMITED              | 633          | -27%             |
| 80   | LENOVO GROUP LIMITED              | 630          | 0%               |
| 81   | TENCENT HOLDINGS LTD              | 623          | 38%              |
| 82   | BOSTON SCIENTIFIC CORPORATION     | 605          | -1%              |
| 83   | KONICA MINOLTA, INC.              | 587          | -13%             |
| 84   | JAPAN DISPLAY INC.                | 580          | -15%             |
| 85   | TDK CORPORATION                   | 578          | 12%              |
| 86   | BAKER HUGHES COMPANY              | 572          | -3%              |
| 87   | MUBADALA INVESTMENT COMPANY       | 571          | -30%             |
| 88   | BBK ELECTRONICS CORPORATION       | 564          | 54%              |
| 89   | AIRBUS SE                         | 560          | -11%             |
| 90   | SEMICONDUCTOR ENERGY LAB          | 556          | -20%             |
| 91   | ROLLS-ROYCE GROUP PLC             | 553          | -9%              |
| 92   | COMSCOPE INC.                     | 550          | -1%              |
| 93   | MITSUBISHI HEAVY INDUSTRIES, LTD. | 530          | 9%               |
| 94   | SALESFORCE.COM, INC.              | 525          | 45%              |
| 95   | BASF SE                           | 517          | -16%             |
| 96   | ETRI                              | 499          | -15%             |
| 97   | TOKYO ELECTRON LIMITED            | 498          | 21%              |
| 98   | CONTINENTAL AG                    | 495          | 5%               |
| 99   | ADOBE INC.                        | 490          | 2%               |
| 100  | CORNING INCORPORATED              | 488          | -15%             |

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| Rank | Organization                     | 2020 Patents | Change from 2019 |
|------|----------------------------------|--------------|------------------|
| 101  | SAMSUNG ELECTRO-MECHANICS        | 474          | ▲ 13%            |
| 102  | NISSAN MOTOR CO., LTD.           | 465          | ▼ -22%           |
| 103  | THE DOW CHEMICAL COMPANY         | 460          | ▼ -19%           |
| 104  | DEERE & COMPANY                  | 456          | ▲ 13%            |
| 104  | ROCHE HOLDING AG                 | 456          | ▬ 0%             |
| 106  | MIT                              | 448          | ▲ 12%            |
| 107  | EMERSON ELECTRIC CO.             | 447          | ▼ -6%            |
| 108  | BANK OF AMERICA CORPORATION      | 443          | ▲ 7%             |
| 109  | MEDIATEK INC.                    | 423          | ▼ -21%           |
| 110  | CEA                              | 413          | ▼ -4%            |
| 111  | CNH INDUSTRIAL N.V.              | 406          | ▬ 1%             |
| 111  | EATON CORPORATION                | 406          | ▼ -12%           |
| 113  | CATERPILLAR INC.                 | 404          | ▼ -22%           |
| 114  | NIKE, INC.                       | 396          | ▼ -16%           |
| 114  | STRYKER CORPORATION              | 396          | ▬ 0%             |
| 116  | HON HAI PRECISION INDUSTRY       | 392          | ▼ -23%           |
| 117  | BAIDU, INC.                      | 388          | ▲ 76%            |
| 118  | RENESAS ELECTRONICS              | 387          | ▼ -37%           |
| 119  | JOHNSON CONTROLS INTERNATIONAL   | 385          | ▲ 27%            |
| 120  | BECTON, DICKINSON AND COMPANY    | 378          | ▬ 1%             |
| 120  | COMCAST CORPORATION              | 378          | ▲ 41%            |
| 122  | ABB LTD                          | 377          | ▬ 1%             |
| 122  | STATE UNIVERSITY SYSTEM OF FL    | 377          | ▲ 17%            |
| 124  | ON SEMICONDUCTOR CORP.           | 376          | ▲ 7%             |
| 125  | WAL-MART STORES, INC.            | 368          | ▼ -12%           |
| 126  | EXXON MOBIL                      | 367          | ▬ 1%             |
| 127  | ABBOTT LABORATORIES              | 366          | ▼ -14%           |
| 128  | TIANMA MICROELECTRONICS CO., LTD | 358          | ▬ 2%             |
| 129  | AISIN SEIKI CO., LTD.            | 355          | ▼ -4%            |
| 129  | BAYERISCHE MOTOREN WERKE AG      | 355          | ▲ 36%            |
| 131  | THERMO FISHER SCIENTIFIC         | 354          | ▼ -2%            |
| 132  | NIPPON STEEL & SUMITOMO METAL    | 349          | ▼ -11%           |
| 132  | YAZAKI CORPORATION               | 349          | ▼ -7%            |
| 134  | HAIER GROUP CORP.                | 346          | ▲ 33%            |
| 135  | ILLINOIS TOOL WORKS INC.         | 344          | ▲ 19%            |
| 136  | TSINGHUA HOLDINGS                | 343          | ▲ 39%            |
| 137  | SIGNIFY                          | 341          | ▬ 0%             |
| 138  | OMRON CORPORATION                | 338          | ▲ 25%            |
| 139  | MAGNA INTERNATIONAL              | 334          | ▲ 6%             |
| 140  | DEUTSCHE TELEKOM AG              | 331          | ▲ 15%            |
| 140  | INTERDIGITAL                     | 331          | ▼ -2%            |
| 142  | NIPPON TELEGRAPH & TELEPHONE     | 329          | ▲ 9%             |
| 143  | MASTERCARD INCORPORATED          | 325          | ▲ 21%            |
| 144  | CARL-ZEISS-STIFTUNG              | 322          | ▼ -11%           |
| 144  | ROHM COMPANY LIMITED             | 322          | ▼ -6%            |
| 146  | STATE FARM                       | 321          | ▲ 17%            |
| 147  | SEAGATE TECHNOLOGY PLC           | 320          | ▼ -18%           |
| 148  | BROADCOM INC.                    | 319          | ▼ -53%           |
| 149  | XEROX HOLDINGS CORPORATION       | 318          | ▼ -22%           |
| 150  | TEXTRON INC.                     | 317          | ▲ 35%            |

| Rank | Organization                    | 2020 Patents | Change from 2019 |
|------|---------------------------------|--------------|------------------|
| 151  | ASML HOLDING N.V.               | 314          | ▼ -2%            |
| 151  | UNITED MICROELECTRONICS         | 314          | ▼ -14%           |
| 153  | ALTRIA GROUP, INC.              | 313          | ▲ 11%            |
| 153  | CNRS                            | 313          | ▼ -3%            |
| 153  | NIDEC CORPORATION               | 313          | ▲ 18%            |
| 153  | SAMSUNG SDI                     | 313          | ▼ -21%           |
| 153  | VALEO SA                        | 313          | ▼ -20%           |
| 153  | WHIRLPOOL CORPORATION           | 313          | ▬ 2%             |
| 159  | PAYPAL HOLDINGS, INC.           | 312          | ▲ 13%            |
| 160  | ANALOG DEVICES, INC.            | 311          | ▼ -1%            |
| 161  | ITRI                            | 299          | ▼ -6%            |
| 162  | SHIN-ETSU CHEMICAL CO., LTD.    | 297          | ▲ 35%            |
| 163  | LOCKHEED MARTIN CORPORATION     | 296          | ▼ -13%           |
| 163  | TE CONNECTIVITY LTD.            | 296          | ▼ -2%            |
| 165  | ACCENTURE PLC                   | 295          | ▲ 8%             |
| 166  | CORTEVA, INC.                   | 292          | ▼ -22%           |
| 166  | JUNIPER NETWORKS, INC.          | 292          | ▼ -8%            |
| 168  | YAMAHA CORPORATION              | 284          | ▲ 23%            |
| 169  | NGK INSULATORS, LTD.            | 283          | ▬ 0%             |
| 170  | NICHIA CORPORATION              | 281          | ▬ 5%             |
| 170  | XILINX, INC.                    | 281          | ▲ 50%            |
| 172  | OSRAM LIGHT AG                  | 280          | ▼ -31%           |
| 173  | FRAUNHOFER                      | 277          | ▼ -10%           |
| 173  | WELLS FARGO & COMPANY           | 277          | ▲ 82%            |
| 175  | FUJI ELECTRIC CO LTD            | 275          | ▼ -16%           |
| 176  | SUMITOMO CHEMICAL COMPANY       | 273          | ▼ -8%            |
| 177  | AAC TECHNOLOGIES HOLDINGS INC.  | 272          | ▲ 17%            |
| 178  | KOCH INDUSTRIES, INC.           | 271          | ▼ -10%           |
| 179  | COMPAGNIE DE SAINT-GOBAIN S.A.  | 265          | ▬ 4%             |
| 180  | NOVARTIS AG                     | 264          | ▲ 7%             |
| 181  | DOLBY LABORATORIES, INC.        | 263          | ▼ -22%           |
| 181  | STANFORD UNIVERSITY             | 263          | ▲ 6%             |
| 183  | BLACKBERRY LIMITED              | 261          | ▼ -22%           |
| 183  | DELTA ELECTRONICS, INC.         | 261          | ▲ 8%             |
| 185  | NIELSEN HOLDINGS PLC            | 260          | ▲ 23%            |
| 186  | MAZDA MOTOR CORPORATION         | 259          | ▲ 30%            |
| 186  | USAA                            | 259          | ▲ 16%            |
| 188  | THE WALT DISNEY COMPANY         | 256          | ▬ 1%             |
| 189  | ZF FRIEDRICHSHAFEN AG           | 255          | ▼ -19%           |
| 190  | INGERSOLL-RAND PLC              | 252          | ▲ 10%            |
| 191  | THE UNIVERSITY OF TEXAS SYSTEM  | 250          | ▼ -21%           |
| 192  | LAM RESEARCH CORPORATION        | 249          | ▼ -5%            |
| 192  | NVIDIA CORPORATION              | 249          | ▼ -8%            |
| 192  | SCHAEFFLER TECHNOLOGIES         | 249          | ▼ -9%            |
| 195  | SHIMADZU CORPORATION            | 248          | ▲ 6%             |
| 196  | THALES SA                       | 247          | ▬ 3%             |
| 196  | THE CHINESE ACADEMY OF SCIENCES | 247          | ▲ 17%            |
| 198  | MASS GENERAL BRIGHAM            | 246          | ▼ -9%            |
| 199  | ADVANCED MICRO DEVICES, INC.    | 245          | ▼ -1%            |
| 200  | EBAY INC.                       | 244          | ▼ -8%            |

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|------|-----------------------------------|--------------|------------------|------|----------------------------------|--------------|------------------|
| 201  | ARIZONA BOARD OF REGENTS          | 242          | 4%               | 251  | BAE SYSTEMS PLC                  | 193          | -14%             |
| 202  | MOTOROLA SOLUTIONS, INC.          | 241          | 0%               | 251  | HKC CORPORATION LIMITED          | 193          | 245%             |
| 203  | SAUDI BASIC INDUSTRIES CORPORATIO | 239          | 13%              | 251  | ZIMMER BIOMET HOLDINGS, INC.     | 193          | -22%             |
| 204  | VISA INC.                         | 238          | -2%              | 254  | FRESENIUS SE & CO. KGAA          | 190          | -8%              |
| 205  | NIKON CORPORATION                 | 236          | -16%             | 255  | KAWASAKI HEAVY INDUSTRIES LTD.   | 188          | 13%              |
| 206  | TATA SONS LTD                     | 235          | -11%             | 255  | PURDUE UNIVERSITY                | 188          | 24%              |
| 207  | MARVELL TECHNOLOGY GROUP LTD.     | 234          | -30%             | 257  | MAGIC LEAP, INC.                 | 187          | 55%              |
| 208  | BATTELLE MEMORIAL INSTITUTE       | 232          | 12%              | 258  | QORVO, INC.                      | 186          | 11%              |
| 208  | CASIO COMPUTER CO., LTD.          | 232          | -11%             | 259  | BOSE CORPORATION                 | 184          | 10%              |
| 208  | ZTE CORPORATION                   | 232          | -17%             | 259  | HENKEL AG & CO. KGAA             | 184          | -1%              |
| 211  | SANOFI S.A.                       | 231          | -20%             | 261  | INNOLUX CORPORATION              | 183          | 19%              |
| 212  | LUMEN TECHNOLOGIES, INC.          | 230          | 28%              | 261  | RAMBUS INC.                      | 183          | -2%              |
| 213  | XIAOMI INC.                       | 229          | 1%               | 261  | TERUMO CORPORATION               | 183          | -14%             |
| 214  | ASAHI KASEI CORPORATION           | 224          | 9%               | 264  | EDWARDS LIFESCIENCES             | 182          | 14%              |
| 214  | BRIDGESTONE CORPORATION           | 224          | -7%              | 265  | CIRRUS LOGIC, INC.               | 180          | 10%              |
| 216  | BRISTOL MYERS SQUIBB              | 222          | -1%              | 265  | COLGATE-PALMOLIVE COMPANY        | 180          | 7%               |
| 216  | REALTEK SEMICONDUCTOR CORP.       | 222          | 102%             | 267  | MIDEA GROUP CO., LTD.            | 179          | 30%              |
| 216  | SUMITOMO RUBBER INDUSTRIES, LTD.  | 222          | -26%             | 267  | SONOS, INC.                      | 179          | 3%               |
| 219  | MITSUBISHI CHEMICAL HOLDINGS      | 220          | 0%               | 269  | GLOBUS MEDICAL                   | 178          | 34%              |
| 220  | KOMATSU LTD.                      | 218          | -2%              | 269  | MICROCHIP TECHNOLOGY INC.        | 178          | -16%             |
| 220  | THE MERCK GROUP                   | 218          | -8%              | 269  | SHIMANO, INC.                    | 178          | -6%              |
| 220  | XPERI HOLDING CORPORATION         | 218          | 16%              | 272  | ROCKWELL AUTOMATION, INC.        | 177          | 11%              |
| 223  | CUMMINS INC.                      | 216          | 17%              | 273  | SMITH & NEPHEW PLC               | 175          | 16%              |
| 224  | UBER TECHNOLOGIES, INC.           | 215          | 21%              | 274  | CALIFORNIA INSTITUTE OF TECH     | 173          | -6%              |
| 225  | AU OPTRONICS                      | 214          | 31%              | 275  | CHEVRON CORPORATION              | 172          | -16%             |
| 226  | DUPONT DE NEMOURS, INC.           | 213          | 3%               | 276  | ROHDE & SCHWARZ GMBH & CO. KG    | 170          | 38%              |
| 227  | CITRIX SYSTEMS, INC.              | 212          | 54%              | 276  | SUBARU CORPORATION               | 170          | 10%              |
| 228  | BERKSHIRE HATHAWAY                | 211          | 0%               | 278  | HUBBELL INCORPORATED             | 169          | -2%              |
| 228  | LOREAL S.A.                       | 211          | 34%              | 278  | SCHNEIDER ELECTRIC               | 169          | -26%             |
| 230  | PURE STORAGE, INC.                | 210          | 1%               | 278  | TECHTRONIC INDUSTRIES            | 169          | 13%              |
| 230  | SUN PATENT TRUST                  | 210          | 3%               | 278  | WISCONSIN ALUMNI RESEARCH FOUND. | 169          | 0%               |
| 232  | JOHNS HOPKINS UNIVERSITY          | 208          | 12%              | 282  | ARKEMA S.A.                      | 168          | 4%               |
| 232  | KLA CORPORATION                   | 208          | -16%             | 283  | HERE HOLDING CORP.               | 167          | -9%              |
| 232  | SKYWORKS SOLUTIONS, INC.          | 208          | -32%             | 284  | HTC CORPORATION                  | 166          | 8%               |
| 232  | SPLUNK INC.                       | 208          | 25%              | 285  | DAIIPPON SCREEN MFG. CO., LTD.   | 163          | 46%              |
| 232  | TORAY INDUSTRIES, INC.            | 208          | 16%              | 285  | INTELLECTUAL VENTURES            | 163          | -50%             |
| 237  | SMIC                              | 206          | -13%             | 287  | NESTLE S.A.                      | 162          | 17%              |
| 238  | INTUIT INC.                       | 204          | 28%              | 287  | NORTHROP GRUMMAN CORPORATION     | 162          | -5%              |
| 239  | SERVICENOW                        | 203          | 116%             | 287  | UNIVERSITY OF MICHIGAN           | 162          | -10%             |
| 240  | INTUITIVE SURGICAL, INC.          | 202          | 17%              | 290  | DAIKIN INDUSTRIES, LTD.          | 161          | -7%              |
| 241  | AGC INC.                          | 201          | -6%              | 290  | WISTRON CORPORATION              | 161          | -4%              |
| 241  | SNAP INC.                         | 201          | 56%              | 292  | MICHELIN SCA                     | 160          | -5%              |
| 243  | ECOLAB INC.                       | 200          | -3%              | 292  | MICRO FOCUS INTERNATIONAL PLC    | 160          | -14%             |
| 244  | BORGWARNER INC.                   | 195          | -27%             | 294  | JTEKT CORPORATION                | 158          | -21%             |
| 244  | HARVARD UNIVERSITY                | 195          | 5%               | 295  | DOOSAN GROUP                     | 154          | 45%              |
| 244  | SZ DJI TECHNOLOGY CO., LTD.       | 195          | 73%              | 295  | NOVO NORDISK A/S                 | 154          | -13%             |
| 244  | WINBOND ELECTRONICS               | 195          | 14%              | 297  | MERCK & CO., INC.                | 153          | -9%              |
| 248  | GOPRO, INC.                       | 194          | 27%              | 298  | AB SKF                           | 152          | -4%              |
| 248  | MINEBEAMITSUMI, INC.              | 194          | -14%             | 298  | KAIST                            | 152          | -10%             |
| 248  | PALANTIR TECHNOLOGIES             | 194          | 40%              | 298  | THYSSENKRUPP AG                  | 152          | -20%             |



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“IPO IS THE PREMIER CROSS-INDUSTRY VOICE. IT PROVIDES AN EXTREMELY BROAD NETWORK OF PROFESSIONALS TO BOUNCE IDEAS OFF AND TO LEARN FROM.”

– Krish Gupta, Dell Technologies

# THREE GREAT REASONS

FOR YOUR COMPANY TO JOIN IPO IN 2020

SHARE IDEAS AND BEST PRACTICES

SHAPE THE FUTURE OF IP

STAY AHEAD OF CHANGES IN IP LEGISLATION AND REGULATION

The Patent 300® Dashboard provides interactivity with thousands of technologies, and over 30+ prosecution metrics for thousands of companies and law firms obtaining patents in the U.S.

| USPTO Art Unit Group Description                              | Total Patents |
|---|---------------|
| Electrical Circuits and Systems                               | 73778         |
| Semiconductors/Memory   | 63120         |
| Optics  | 58632         |
| Printing/Measuring and Testing                                | 46922         |
| Multiple and VoIP   | 40188         |
| Thermal & Combustion Technology, Motors & Fluid Power Systems | 32864         |
| Cryptography and Security                                     | 23710         |
| Selective Visual Display Systems                              | 23279         |
| Computer Networks   | 22961         |
| Material and Article Handling                                 | 22401         |
| <b>Total</b>  | <b>992038</b> |

| CPC Subclass Description   | Total Patents |
|--|---------------|
| Electric Digital Data Processing   | 102781        |
| Semiconductor Devices: Electric Solid State Devices Not Otherwise Provided For | 58337         |
| Transmission Of Digital Information, E.G. Telegraphic Communication            | 55094         |
| Wireless Communication Networks  | 33041         |
| Diagnostic Surgery Identification  | 31127         |
| Pictorial Communication, E.G. Television                                       | 30176         |
| Preparations For Medical, Dental, Or Toilet Purposes                           | 28377         |
| Data Processing Systems Or Methods, Specially Adapted For Administrative       | 18286         |
| <b>Total</b>   | <b>992038</b> |

| Company Name                          | Rank     | Total Patents | Average OAs | Average RCEs | Pendency (Days) | Interview Success | Extension Per OA | Pre-Appeal St... |
|---------------------------------------|----------|---------------|-------------|--------------|-----------------|-------------------|------------------|------------------|
| INTERNATIONAL BUSINESS MACHINES CORP. | 1        | 10000         | 1.8         | 0.5          | 922.8           | 37.3%             | 3.7%             | 5.7%             |
| SAMSUNG ELECTRONICS CO., LTD.         | 2        | 10000         | 2.0         | 0.5          | 969.9           | 34.4%             | 4.3%             | 4.3%             |
| CANON INC.                            | 3        | 12037         | 1.6         | 0.5          | 864.1           | 42.3%             | 20.6%            | 20.6%            |
| INTEL CORPORATION                     | 4        | 11351         | 1.9         | 0.4          | 1052.6          | 41.7%             | 18.4%            | 18.4%            |
| ALPHABET INC.                         | 5        | 8621          | 1.8         | 0.5          | 981.0           | 32.8%             | 11.1%            | 11.1%            |
| MICROSOFT CORPORATION                 | 5        | 8621          | 2.4         | 0.8          | 1193.8          | 39.3%             | 16.9%            | 16.9%            |
| LG ELECTRONICS INC.                   | 7        | 8407          | 1.6         | 0.4          | 1083.4          | 39.6%             | 19.1%            | 19.1%            |
| GENERAL ELECTRIC COMPANY              | 8        | 8353          | 1.8         | 0.4          | 1187.9          | 41.4%             | 14.6%            | 14.6%            |
| TOYOTA MOTOR CORPORATION              | 9        | 7922          | 1.4         | 0.5          | 1025.7          | 29.6%             | 7.9%             | 7.9%             |
| QUALCOMM, INC.                        | 10       | 7817          | 2.3         | 0.8          | 1046.9          | 35.1%             | 4.9%             | 4.9%             |
| SONY CORPORATION                      | 11       | 7618          | 2.3         | 0.7          | 1158.3          | 32.1%             | 7.9%             | 7.9%             |
| HUAWEI INVESTMENT & HOLDING CO., LTD. | 12       | 7380          | 1.5         | 0.5          | 894.4           | 36.9%             | 7.9%             | 7.9%             |
| TAIWAN SEMICONDUCTOR MFG. CO. LTD.    | 13       | 7348          | 1.8         | 0.4          | 782.3           | 34.5%             | 17.2%            | 17.2%            |
| APPLE INC.                            | 14       | 7293          | 1.8         | 0.5          | 1000.0          | 35.3%             | 23.3%            | 23.3%            |
| AMAZON.COM, INC.                      | 15       | 7003          | 1.8         | 0.5          | 1129.3          | 32.2%             | 22.4%            | 22.4%            |
| UNITED TECHNOLOGIES CORPORATION       | 16       | 6946          | 1.6         | 0.5          | 1054.9          | 46.6%             | 6.7%             | 6.7%             |
| FORD MOTOR COMPANY                    | 17       | 6856          | 1.6         | 0.5          | 911.2           | 35.2%             | 3.9%             | 3.9%             |
| DELL TECHNOLOGIES INC.                | 18       | 6617          | 1.9         | 0.5          | 1071.0          | 35.1%             | 13.8%            | 13.8%            |
| SANUONIC CORPORATION                  | 19       | 5997          | 1.4         | 0.5          | 952.3           | 27.5%             | 10.8%            | 10.8%            |
| BOE TECHNOLOGY GROUP CO. LTD.         | 20       | 5635          | 1.7         | 0.4          | 1000.9          | 47.0%             | 1.9%             | 1.9%             |
| TELEFONAKTIEBOLAGET LM ERICSSON       | 21       | 4802          | 1.9         | 0.5          | 1064.2          | 35.8%             | 9.5%             | 9.5%             |
| SIEMENS AG                            | 22       | 4708          | 1.7         | 0.4          | 1096.6          | 40.6%             | 9.5%             | 9.5%             |
| HYUNDAI MOTOR COMPANY                 | 23       | 4659          | 1.5         | 0.5          | 823.0           | 46.1%             | 6.5%             | 6.5%             |
| TOSHIBA CORPORATION                   | 24       | 4617          | 1.4         | 0.5          | 832.3           | 41.7%             | 14.2%            | 14.2%            |
| HITACHI, LTD.                         | 25       | 4469          | 1.4         | 0.5          | 1281.9          | 43.4%             | 17.6%            | 17.6%            |
| <b>Total</b>                          | <b>1</b> | <b>992027</b> | <b>1.7</b>  | <b>0.4</b>   | <b>1055.6</b>   | <b>35.6%</b>      | <b>18.14%</b>    |                  |

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# 2020 Patent Owners

## Alphabetical Listing

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| Rank | Organization                   | 2020 Patents | Change from 2019 |
|------|--------------------------------|--------------|------------------|
| 71   | 3M COMPANY                     | 668          | -1%              |
| 177  | AAC TECHNOLOGIES HOLDINGS INC. | 272          | 17%              |
| 298  | AB SKF                         | 152          | -4%              |
| 122  | ABB LTD                        | 377          | 1%               |
| 127  | ABBOTT LABORATORIES            | 366          | -14%             |
| 165  | ACCENTURE PLC                  | 295          | 8%               |
| 99   | ADOBE INC.                     | 490          | 2%               |
| 199  | ADVANCED MICRO DEVICES, INC.   | 245          | -1%              |
| 241  | AGC INC.                       | 201          | -6%              |
| 89   | AIRBUS SE                      | 560          | -11%             |
| 129  | AISIN SEIKI CO., LTD.          | 355          | -4%              |
| 64   | ALIBABA GROUP HOLDING LIMITED  | 721          | 150%             |
| 15   | ALPHABET INC.                  | 2379         | -10%             |
| 153  | ALTRIA GROUP, INC.             | 313          | 11%              |
| 16   | AMAZON.COM, INC.               | 2373         | -7%              |
| 160  | ANALOG DEVICES, INC.           | 311          | -1%              |
| 11   | APPLE INC.                     | 2840         | 12%              |
| 62   | APPLIED MATERIALS, INC.        | 738          | 0%               |
| 201  | ARIZONA BOARD OF REGENTS       | 242          | 4%               |
| 282  | ARKEMA S.A.                    | 168          | 4%               |
| 214  | ASAHI KASEI CORPORATION        | 224          | 9%               |
| 151  | ASML HOLDING N.V.              | 314          | -2%              |
| 27   | AT&T INC.                      | 1459         | 1%               |
| 225  | AU OPTRONICS                   | 214          | 31%              |
| 251  | BAE SYSTEMS PLC                | 193          | -14%             |
| 117  | BAIDU, INC.                    | 388          | 76%              |
| 86   | BAKER HUGHES COMPANY           | 572          | -3%              |
| 108  | BANK OF AMERICA CORPORATION    | 443          | 7%               |
| 95   | BASF SE                        | 517          | -16%             |
| 208  | BATTELLE MEMORIAL INSTITUTE    | 232          | 12%              |
| 68   | BAYER AG                       | 706          | -9%              |
| 129  | BAYERISCHE MOTOREN WERKE AG    | 355          | 36%              |
| 88   | BBK ELECTRONICS CORPORATION    | 564          | 54%              |
| 120  | BECTON, DICKINSON AND COMPANY  | 378          | 1%               |
| 228  | BERKSHIRE HATHAWAY             | 211          | 0%               |
| 183  | BLACKBERRY LIMITED             | 261          | -22%             |
| 18   | BOE TECHNOLOGY GROUP CO., LTD. | 2157         | -1%              |
| 244  | BORGWARNER INC.                | 195          | -27%             |
| 259  | BOSE CORPORATION               | 184          | 10%              |
| 82   | BOSTON SCIENTIFIC CORPORATION  | 605          | -1%              |
| 214  | BRIDGESTONE CORPORATION        | 224          | -7%              |
| 216  | BRISTOL MYERS SQUIBB           | 222          | -1%              |
| 148  | BROADCOM INC.                  | 319          | -53%             |
| 66   | BROTHER INDUSTRIES, LTD.       | 713          | -8%              |
| 274  | CALIFORNIA INSTITUTE OF TECH   | 173          | -6%              |
| 4    | CANON K.K.                     | 3689         | -9%              |
| 60   | CAPITAL ONE FINANCIAL CORP.    | 747          | 20%              |
| 144  | CARL-ZEISS-STIFTUNG            | 322          | -11%             |
| 208  | CASIO COMPUTER CO., LTD.       | 232          | -11%             |
| 113  | CATERPILLAR INC.               | 404          | -22%             |

| Rank | Organization                   | 2020 Patents | Change from 2019 |
|------|--------------------------------|--------------|------------------|
| 110  | CEA                            | 413          | -4%              |
| 275  | CHEVRON CORPORATION            | 172          | -16%             |
| 265  | CIRRUS LOGIC, INC.             | 180          | 10%              |
| 39   | CISCO SYSTEMS, INC.            | 1141         | -1%              |
| 227  | CITRIX SYSTEMS, INC.           | 212          | 54%              |
| 111  | CNH INDUSTRIAL N.V.            | 406          | 1%               |
| 153  | CNRS                           | 313          | -3%              |
| 265  | COLGATE-PALMOLIVE COMPANY      | 180          | 7%               |
| 120  | COMCAST CORPORATION            | 378          | 41%              |
| 92   | COMMSCOPE INC.                 | 550          | -1%              |
| 179  | COMPAGNIE DE SAINT-GOBAIN S.A. | 265          | 4%               |
| 98   | CONTINENTAL AG                 | 495          | 5%               |
| 100  | CORNING INCORPORATED           | 488          | -15%             |
| 166  | CORTEVA, INC.                  | 292          | -22%             |
| 223  | CUMMINS INC.                   | 216          | 17%              |
| 290  | DAIKIN INDUSTRIES, LTD.        | 161          | -7%              |
| 285  | DAIIPPON SCREEN MFG. CO., LTD. | 163          | 46%              |
| 104  | DEERE & COMPANY                | 456          | 13%              |
| 12   | DELL TECHNOLOGIES              | 2826         | 13%              |
| 183  | DELTA ELECTRONICS, INC.        | 261          | 8%               |
| 36   | DENSO CORPORATION              | 1214         | 3%               |
| 140  | DEUTSCHE TELEKOM AG            | 331          | 15%              |
| 181  | DOLBY LABORATORIES, INC.       | 263          | -22%             |
| 295  | DOOSAN GROUP                   | 154          | 45%              |
| 226  | DUPONT DE NEMOURS, INC.        | 213          | 3%               |
| 111  | EATON CORPORATION              | 406          | -12%             |
| 200  | EBAY INC.                      | 244          | -8%              |
| 243  | ECOLAB INC.                    | 200          | -3%              |
| 264  | EDWARDS LIFESCIENCES           | 182          | 14%              |
| 107  | EMERSON ELECTRIC CO.           | 447          | -6%              |
| 32   | EPSON                          | 1335         | 0%               |
| 29   | ERICSSON                       | 1401         | -14%             |
| 96   | ETRI                           | 499          | -15%             |
| 126  | EXXON MOBIL                    | 367          | 1%               |
| 23   | FACEBOOK, INC.                 | 1527         | 16%              |
| 78   | FANUC CORPORATION              | 634          | -5%              |
| 19   | FORD MOTOR COMPANY             | 2090         | -17%             |
| 173  | FRAUNHOFER                     | 277          | -10%             |
| 254  | FRESENIUS SE & CO. KGAA        | 190          | -8%              |
| 175  | FUJI ELECTRIC CO LTD           | 275          | -16%             |
| 30   | FUJIFILM HOLDINGS CORP         | 1378         | 0%               |
| 42   | FUJITSU LIMITED                | 1093         | -15%             |
| 14   | GENERAL ELECTRIC COMPANY       | 2417         | -1%              |
| 54   | GENERAL MOTORS COMPANY         | 802          | -40%             |
| 269  | GLOBUS MEDICAL                 | 178          | 34%              |
| 248  | GOPRO, INC.                    | 194          | 27%              |
| 134  | HAIER GROUP CORP.              | 346          | 33%              |
| 57   | HALLIBURTON COMPANY            | 778          | -24%             |
| 244  | HARVARD UNIVERSITY             | 195          | 5%               |
| 259  | HENKEL AG & CO. KGAA           | 184          | -1%              |

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| Rank | Organization                    | 2020 Patents | Change from 2019 |
|------|---------------------------------|--------------|------------------|
| 283  | HERE HOLDING CORP.              | 167          | -9%              |
| 53   | HEWLETT PACKARD ENTERPRISE      | 831          | 1%               |
| 25   | HITACHI, LTD.                   | 1472         | -3%              |
| 251  | HKC CORPORATION LIMITED         | 193          | 245%             |
| 116  | HON HAI PRECISION INDUSTRY      | 392          | -23%             |
| 35   | HONDA MOTOR COMPANY, LTD.       | 1219         | 12%              |
| 37   | HONEYWELL INTERNATIONAL INC.    | 1178         | 0%               |
| 46   | HP INC.                         | 989          | 4%               |
| 284  | HTC CORPORATION                 | 166          | 8%               |
| 7    | HUAWEI TECHNOLOGIES CO., LTD.   | 3178         | 9%               |
| 278  | HUBBELL INCORPORATED            | 169          | -2%              |
| 21   | HYUNDAI MOTOR COMPANY           | 1626         | -1%              |
| 135  | ILLINOIS TOOL WORKS INC.        | 344          | 19%              |
| 52   | INFINEON TECHNOLOGIES AG        | 834          | -12%             |
| 190  | INGERSOLL-RAND PLC              | 252          | 10%              |
| 261  | INNOLUX CORPORATION             | 183          | 19%              |
| 5    | INTEL CORPORATION               | 3284         | -12%             |
| 285  | INTELLECTUAL VENTURES           | 163          | -50%             |
| 140  | INTERDIGITAL                    | 331          | -2%              |
| 1    | INTERNATIONAL BUSINESS MACHINES | 9435         | 0%               |
| 238  | INTUIT INC.                     | 204          | 28%              |
| 240  | INTUITIVE SURGICAL, INC.        | 202          | 17%              |
| 161  | ITRI                            | 299          | -6%              |
| 84   | JAPAN DISPLAY INC.              | 580          | -15%             |
| 232  | JOHNS HOPKINS UNIVERSITY        | 208          | 12%              |
| 24   | JOHNSON & JOHNSON               | 1492         | 0%               |
| 119  | JOHNSON CONTROLS INTERNATIONAL  | 385          | 27%              |
| 294  | JTEKT CORPORATION               | 158          | -21%             |
| 166  | JUNIPER NETWORKS, INC.          | 292          | -8%              |
| 298  | KAIST                           | 152          | -10%             |
| 255  | KAWASAKI HEAVY INDUSTRIES LTD.  | 188          | 13%              |
| 59   | KIOXIA HOLDINGS CORPORATION     | 756          | 4%               |
| 232  | KLA CORPORATION                 | 208          | -16%             |
| 178  | KOCH INDUSTRIES, INC.           | 271          | -10%             |
| 220  | KOMATSU LTD.                    | 218          | -2%              |
| 83   | KONICA MINOLTA, INC.            | 587          | -13%             |
| 48   | KONINKLIJKE PHILIPS N.V.        | 949          | -11%             |
| 47   | KYOCERA CORPORATION             | 978          | -10%             |
| 192  | LAM RESEARCH CORPORATION        | 249          | -5%              |
| 80   | LENOVO GROUP LIMITED            | 630          | 0%               |
| 3    | LG CORPORATION                  | 5112         | 4%               |
| 163  | LOCKHEED MARTIN CORPORATION     | 296          | -13%             |
| 228  | LOREAL S.A.                     | 211          | 34%              |
| 212  | LUMEN TECHNOLOGIES, INC.        | 230          | 28%              |
| 257  | MAGIC LEAP, INC.                | 187          | 55%              |
| 139  | MAGNA INTERNATIONAL             | 334          | 6%               |
| 207  | MARVELL TECHNOLOGY GROUP LTD.   | 234          | -30%             |
| 198  | MASS GENERAL BRIGHAM            | 246          | -9%              |
| 143  | MASTERCARD INCORPORATED         | 325          | 21%              |
| 186  | MAZDA MOTOR CORPORATION         | 259          | 30%              |

| Rank | Organization                      | 2020 Patents | Change from 2019 |
|------|-----------------------------------|--------------|------------------|
| 109  | MEDIATEK INC.                     | 423          | -21%             |
| 28   | MEDTRONIC PLC                     | 1440         | 2%               |
| 297  | MERCK & CO., INC.                 | 153          | -9%              |
| 292  | MICHELIN SCA                      | 160          | -5%              |
| 292  | MICRO FOCUS INTERNATIONAL PLC     | 160          | -14%             |
| 269  | MICROCHIP TECHNOLOGY INC.         | 178          | -16%             |
| 22   | MICRON TECHNOLOGY INC.            | 1535         | 21%              |
| 8    | MICROSOFT CORPORATION             | 2972         | -5%              |
| 267  | MIDEA GROUP CO., LTD.             | 179          | 30%              |
| 248  | MINEBEAMITSUMI, INC.              | 194          | -14%             |
| 106  | MIT                               | 448          | 12%              |
| 219  | MITSUBISHI CHEMICAL HOLDINGS      | 220          | 0%               |
| 33   | MITSUBISHI ELECTRIC CORPORATION   | 1319         | -3%              |
| 93   | MITSUBISHI HEAVY INDUSTRIES, LTD. | 530          | 9%               |
| 202  | MOTOROLA SOLUTIONS, INC.          | 241          | 0%               |
| 87   | MUBADALA INVESTMENT COMPANY       | 571          | -30%             |
| 50   | MURATA MANUFACTURING CO., LTD.    | 892          | -10%             |
| 45   | NEC CORPORATION                   | 1007         | -2%              |
| 287  | NESTLE S.A.                       | 162          | 17%              |
| 169  | NGK INSULATORS, LTD.              | 283          | 0%               |
| 170  | NICHIA CORPORATION                | 281          | 5%               |
| 153  | NIDEC CORPORATION                 | 313          | 18%              |
| 185  | NIELSEN HOLDINGS PLC              | 260          | 23%              |
| 114  | NIKE, INC.                        | 396          | -16%             |
| 205  | NIKON CORPORATION                 | 236          | -16%             |
| 132  | NIPPON STEEL & SUMITOMO METAL     | 349          | -11%             |
| 142  | NIPPON TELEGRAPH & TELEPHONE      | 329          | 9%               |
| 102  | NISSAN MOTOR CO., LTD.            | 465          | -22%             |
| 58   | NOKIA CORPORATION                 | 757          | -20%             |
| 287  | NORTHROP GRUMMAN CORPORATION      | 162          | -5%              |
| 180  | NOVARTIS AG                       | 264          | 7%               |
| 295  | NOVO NORDISK A/S                  | 154          | -13%             |
| 192  | NVIDIA CORPORATION                | 249          | -8%              |
| 73   | NXP SEMICONDUCTORS N.V.           | 649          | 0%               |
| 75   | OLYMPUS CORPORATION               | 643          | -9%              |
| 138  | OMRON CORPORATION                 | 338          | 25%              |
| 124  | ON SEMICONDUCTOR CORP.            | 376          | 7%               |
| 56   | ORACLE CORPORATION                | 783          | -11%             |
| 172  | OSRAM LIGHT AG                    | 280          | -31%             |
| 248  | PALANTIR TECHNOLOGIES             | 194          | 40%              |
| 20   | PANASONIC CORPORATION             | 1929         | -5%              |
| 159  | PAYPAL HOLDINGS, INC.             | 312          | 13%              |
| 72   | PORSCHE AUTOMOBIL HOLDING SE      | 658          | 5%               |
| 255  | PURDUE UNIVERSITY                 | 188          | 24%              |
| 230  | PURE STORAGE, INC.                | 210          | 1%               |
| 258  | QORVO, INC.                       | 186          | 11%              |
| 17   | QUALCOMM                          | 2297         | -4%              |
| 261  | RAMBUS INC.                       | 183          | -2%              |
| 6    | RAYTHEON TECHNOLOGIES             | 3213         | 1%               |
| 216  | REALTEK SEMICONDUCTOR CORP.       | 222          | 102%             |

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|------|-----------------------------------|--------------|------------------|
| 118  | RENESAS ELECTRONICS               | 387          | ▼ -37%           |
| 49   | RICOH COMPANY LTD.                | 938          | ▼ -6%            |
| 41   | ROBERT BOSCH GMBH                 | 1100         | ▼ -13%           |
| 104  | ROCHE HOLDING AG                  | 456          | ▬ 0%             |
| 272  | ROCKWELL AUTOMATION, INC.         | 177          | ▲ 11%            |
| 276  | ROHDE & SCHWARZ GMBH & CO. KG     | 170          | ▲ 38%            |
| 144  | ROHM COMPANY LIMITED              | 322          | ▼ -6%            |
| 91   | ROLLS-ROYCE GROUP PLC             | 553          | ▼ -9%            |
| 76   | SAFRAN S.A.                       | 641          | ▲ 13%            |
| 94   | SALESFORCE.COM, INC.              | 525          | ▲ 45%            |
| 101  | SAMSUNG ELECTRO-MECHANICS         | 474          | ▲ 13%            |
| 2    | SAMSUNG ELECTRONICS CO., LTD.     | 8539         | ▼ -1%            |
| 153  | SAMSUNG SDI                       | 313          | ▼ -21%           |
| 211  | SANOFI S.A.                       | 231          | ▼ -20%           |
| 63   | SAP SE                            | 737          | ▲ 9%             |
| 70   | SAUDI ARABIAN OIL COMPANY         | 683          | ▲ 30%            |
| 203  | SAUDI BASIC INDUSTRIES CORPORATIO | 239          | ▲ 13%            |
| 192  | SCHAEFFLER TECHNOLOGIES           | 249          | ▼ -9%            |
| 79   | SCHLUMBERGER LIMITED              | 633          | ▼ -27%           |
| 278  | SCHNEIDER ELECTRIC                | 169          | ▼ -26%           |
| 147  | SEAGATE TECHNOLOGY PLC            | 320          | ▼ -18%           |
| 90   | SEMICONDUCTOR ENERGY LAB          | 556          | ▼ -20%           |
| 239  | SERVICENOW                        | 203          | ▲ 116%           |
| 44   | SHARP CORPORATION                 | 1052         | ▲ 26%            |
| 195  | SHIMADZU CORPORATION              | 248          | ▲ 6%             |
| 269  | SHIMANO, INC.                     | 178          | ▼ -6%            |
| 162  | SHIN-ETSU CHEMICAL CO., LTD.      | 297          | ▲ 35%            |
| 31   | SIEMENS AG                        | 1341         | ▼ -6%            |
| 137  | SIGNIFY                           | 341          | ▬ 0%             |
| 43   | SK GROUP                          | 1091         | ▲ 12%            |
| 232  | SKYWORKS SOLUTIONS, INC.          | 208          | ▼ -32%           |
| 237  | SMIC                              | 206          | ▼ -13%           |
| 273  | SMITH & NEPHEW PLC                | 175          | ▲ 16%            |
| 241  | SNAP INC.                         | 201          | ▲ 56%            |
| 65   | SOFTBANK GROUP CORP.              | 720          | ▲ 14%            |
| 267  | SONOS, INC.                       | 179          | ▬ 3%             |
| 10   | SONY CORPORATION                  | 2886         | ▲ 5%             |
| 232  | SPLUNK INC.                       | 208          | ▲ 25%            |
| 181  | STANFORD UNIVERSITY               | 263          | ▲ 6%             |
| 146  | STATE FARM                        | 321          | ▲ 17%            |
| 122  | STATE UNIVERSITY SYSTEM OF FL     | 377          | ▲ 17%            |
| 74   | STMICROELECTRONICS                | 646          | ▼ -14%           |
| 114  | STRYKER CORPORATION               | 396          | ▬ 0%             |
| 276  | SUBARU CORPORATION                | 170          | ▲ 10%            |
| 176  | SUMITOMO CHEMICAL COMPANY         | 273          | ▼ -8%            |
| 61   | SUMITOMO ELECTRIC INDUSTRIES      | 740          | ▬ 2%             |
| 216  | SUMITOMO RUBBER INDUSTRIES, LTD.  | 222          | ▼ -26%           |
| 230  | SUN PATENT TRUST                  | 210          | ▬ 3%             |
| 244  | SZ DJI TECHNOLOGY CO., LTD.       | 195          | ▲ 73%            |
| 9    | TAIWAN SEMICONDUCTOR MFG. CO.     | 2892         | ▲ 22%            |

| Rank | Organization                     | 2020 Patents | Change from 2019 |
|------|----------------------------------|--------------|------------------|
| 206  | TATA SONS LTD                    | 235          | ▼ -11%           |
| 51   | TCL CORPORATION                  | 880          | ▼ -30%           |
| 85   | TDK CORPORATION                  | 578          | ▲ 12%            |
| 163  | TE CONNECTIVITY LTD.             | 296          | ▼ -2%            |
| 278  | TECHTRONIC INDUSTRIES            | 169          | ▲ 13%            |
| 81   | TENCENT HOLDINGS LTD             | 623          | ▲ 38%            |
| 261  | TERUMO CORPORATION               | 183          | ▼ -14%           |
| 38   | TEXAS INSTRUMENTS INCORPORATED   | 1150         | ▲ 28%            |
| 150  | TEXTRON INC.                     | 317          | ▲ 35%            |
| 196  | THALES SA                        | 247          | ▬ 3%             |
| 26   | THE BOEING COMPANY               | 1464         | ▬ 4%             |
| 196  | THE CHINESE ACADEMY OF SCIENCES  | 247          | ▲ 17%            |
| 103  | THE DOW CHEMICAL COMPANY         | 460          | ▼ -19%           |
| 220  | THE MERCK GROUP                  | 218          | ▼ -8%            |
| 77   | THE PROCTER & GAMBLE COMPANY     | 640          | ▲ 18%            |
| 191  | THE UNIVERSITY OF TEXAS SYSTEM   | 250          | ▼ -21%           |
| 188  | THE WALT DISNEY COMPANY          | 256          | ▬ 1%             |
| 131  | THERMO FISHER SCIENTIFIC         | 354          | ▼ -2%            |
| 298  | THYSSENKRUPP AG                  | 152          | ▼ -20%           |
| 128  | TIANMA MICROELECTRONICS CO., LTD | 358          | ▬ 2%             |
| 97   | TOKYO ELECTRON LIMITED           | 498          | ▲ 21%            |
| 232  | TORAY INDUSTRIES, INC.           | 208          | ▲ 16%            |
| 34   | TOSHIBA CORPORATION              | 1314         | ▼ -4%            |
| 13   | TOYOTA JIDOSHA K.K.              | 2819         | ▬ 4%             |
| 136  | TSINGHUA HOLDINGS                | 343          | ▲ 39%            |
| 224  | UBER TECHNOLOGIES, INC.          | 215          | ▲ 21%            |
| 151  | UNITED MICROELECTRONICS          | 314          | ▼ -14%           |
| 69   | UNIVERSITY OF CALIFORNIA         | 687          | ▼ -2%            |
| 287  | UNIVERSITY OF MICHIGAN           | 162          | ▼ -10%           |
| 40   | US FEDERAL GOVERNMENT            | 1108         | ▼ -10%           |
| 186  | USAA                             | 259          | ▲ 16%            |
| 153  | VALEO SA                         | 313          | ▼ -20%           |
| 67   | VERIZON COMMUNICATIONS INC.      | 712          | ▲ 11%            |
| 204  | VISA INC.                        | 238          | ▼ -2%            |
| 125  | WAL-MART STORES, INC.            | 368          | ▼ -12%           |
| 173  | WELLS FARGO & COMPANY            | 277          | ▲ 82%            |
| 55   | WESTERN DIGITAL CORPORATION      | 788          | ▲ 6%             |
| 153  | WHIRLPOOL CORPORATION            | 313          | ▬ 2%             |
| 244  | WINBOND ELECTRONICS              | 195          | ▲ 14%            |
| 278  | WISCONSIN ALUMNI RESEARCH FOUND. | 169          | ▬ 0%             |
| 290  | WISTRON CORPORATION              | 161          | ▼ -4%            |
| 149  | XEROX HOLDINGS CORPORATION       | 318          | ▼ -22%           |
| 213  | XIAOMI INC.                      | 229          | ▬ 1%             |
| 170  | XILINX, INC.                     | 281          | ▲ 50%            |
| 220  | XPERI HOLDING CORPORATION        | 218          | ▲ 16%            |
| 168  | YAMAHA CORPORATION               | 284          | ▲ 23%            |
| 132  | YAZAKI CORPORATION               | 349          | ▼ -7%            |
| 189  | ZF FRIEDRICHSHAFEN AG            | 255          | ▼ -19%           |
| 251  | ZIMMER BIOMET HOLDINGS, INC.     | 193          | ▼ -22%           |
| 208  | ZTE CORPORATION                  | 232          | ▼ -17%           |



## Top 5 Movers in the Patent 300®

| Rank | Organization                  | 2020 Patents | Change from 2019 |
|------|-------------------------------|--------------|------------------|
| 250  | HKC CORPORATION LIMITED       | 193          | ▲ 245%           |
| 65   | ALIBABA GROUP HOLDING LIMITED | 721          | ▲ 150%           |
| 238  | SERVICENOW                    | 203          | ▲ 116%           |
| 215  | REALTEK SEMICONDUCTOR CORP.   | 222          | ▲ 102%           |
| 173  | WELLS FARGO & COMPANY         | 277          | ▲ 82%            |

## New Organizations in the Patent 300®

- ❖ *LG Corporation (#3)* is a combination of LG Electronics, LG Chemical, LG Display, and LG Innotek.
- ❖ *Raytheon Technologies (#6)* is a new company name following the merger of United Technologies & Raytheon.
- ❖ *US Federal Government (#40)* is a combination of all US federal government agencies into one organization.
- ❖ *Mass General Brigham (#198)* is a new company name for Partners Healthcare System.

- ❖ The following organizations are new to this year's list:

*Baker Hughes Company (#86), Yamaha Corporation (#168), Arizona Board Of Regents (#201), Battelle Memorial Institute (#208), Lumen Technologies, Inc. (#212), Realtek Semiconductor Corp. (#216), Komatsu Ltd. (#220), Uber Technologies, Inc. (#224), Citrix Systems, Inc. (#227), Servicenow (#239), Snap Inc. (#241), Sz Dji Technology Co., Ltd. (#244), Winbond Electronics Corporation (#244), Palantir Technologies (#248), Minebeamitsumi, Inc. (#248), HKC Corporation Limited (#251), Magic Leap, Inc. (#257), Midea Group Co., Ltd. (#267), Globus Medical (#269), Chevron Corporation (#275), Rohde & Schwarz Gmbh & Co. Kg (#276), Techtronic Industries Company Limited (#278), Dainippon Screen Mfg. Co., Ltd. (#285), Wistron Corporation (#290), Novo Nordisk A/S (#295), Doosan Group (#295), KAIST (#298)*

## END NOTES:

1. The number of patents granted does not necessarily indicate the value of a company's technology, the effectiveness of its R&D, or whether it will be profitable. The number of patents per company varies widely from industry to industry and from company to company within an industry.
2. This report was compiled by [Harrity Analytics](#) from patent data provided by the U.S. Patent and Trademark Office. Patents reported are utility patents granted during calendar year 2020 that listed the organization or a subsidiary as the owner on the printed patent document. Using organization and subsidiary data provided to two independent third-party data providers, over 200,000 assignments were reviewed to attribute ownership to the correct organization, where applicable. Patents that were granted to two or more organizations jointly are attributed to each organization separately. Companies for which patents were granted to subsidiaries are combined with patents granted to the parent.
3. IPO has published this report annually since 1984 as a service to its members. For annual lists, go to <https://www.ipo.org/index.php/resources/>.
4. This report, published by IPO and Harrity Analytics, was prepared by Harrity Analytics using patent data provided by the U.S. Patent and Trademark Office and information contributed by IPO members. It should not be construed as representing an endorsement, warrantee, or guarantee by either IPO or Harrity Analytics of the other party's products or services.
5. For next year's list, IPO will include patents of majority-owned subsidiaries under the name of the parent if the parent provides the names of such subsidiaries to IPO at [info@ipo.org](mailto:info@ipo.org) by 1 January 2022.