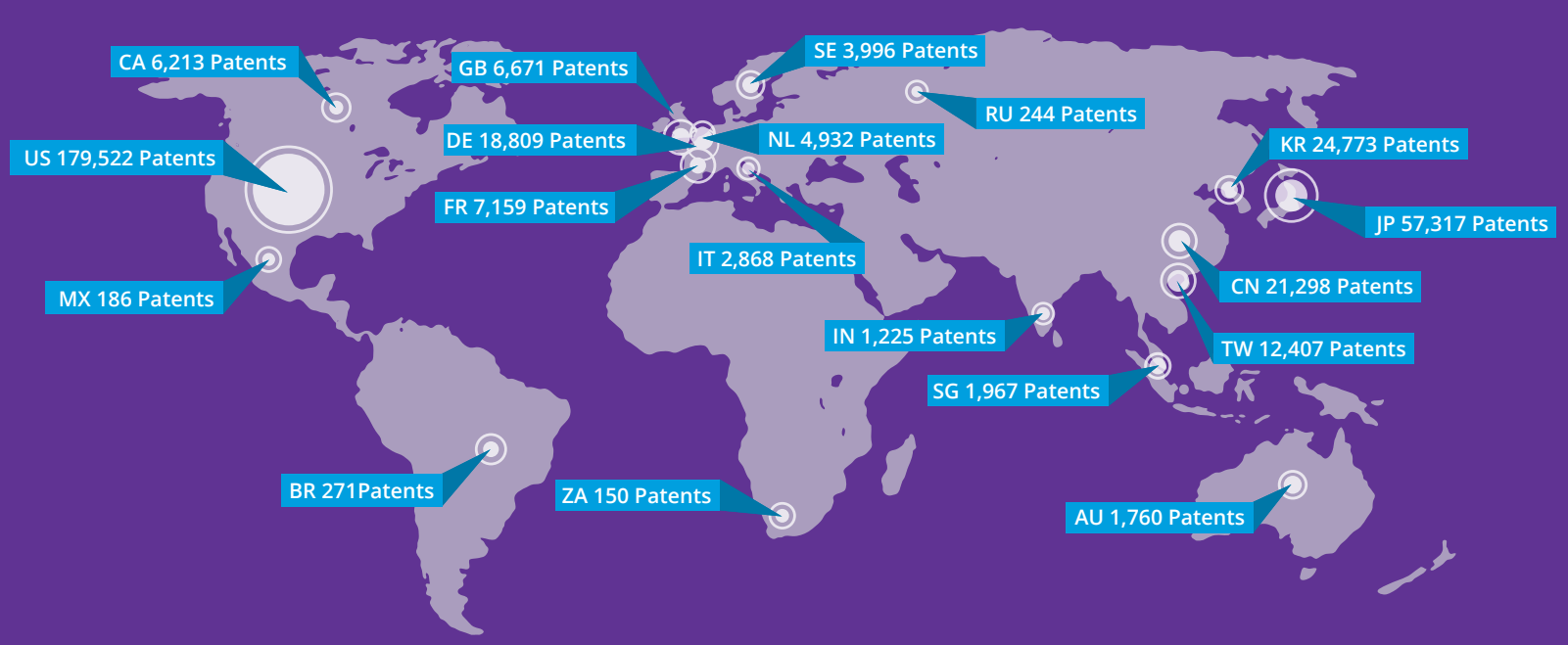


2019 UNITED STATES PATENT AND TRADEMARK OFFICE PATENTING STATISTICS



US PATENTS FROM AROUND THE WORLD



Top Patentees in 2019

IBM	9,011
Samsung Electronics	7,173
Canon KK	3,591
Intel Corp	3,522
LG Electronics Inc	3,298
Microsoft Tech Licensing LLC	3,084
Apple Inc	2,824
Ford Global Tech LLC	2,619
Huawei Tech Co	2,542
Amazon Tech Inc	2,477
Google Inc	2,414
Qualcomm Inc	2,357
Taiwan Semiconductor Mfg Co TSMC	2,340
Toyota Motor	2,326
Sony Corp	2,230
BOE Tech Group Co	2,183
Samsung Display Co	1,968
General Electric Co	1,888
Panasonic IP Management Corp	1,702
Ericsson	1,612
GM Global Tech Operations	1,609
Hyundai Motor Co	1,596
Mitsubishi Electric Corp	1,416
Boeing Co	1,386



Top Inventors 2019

Cheng, Kangguo	354
Shelton IV, Frederick E.	287
Yamazaki, Shunpei	257
Seo, Hanbyul	239
Chen, Wanshi	224
Zhang, Lei	223
Gaal, Peter	222
Luo, Tao	218
Resch, Jason K.	207
Wang, Lei	202



Top University Patentees

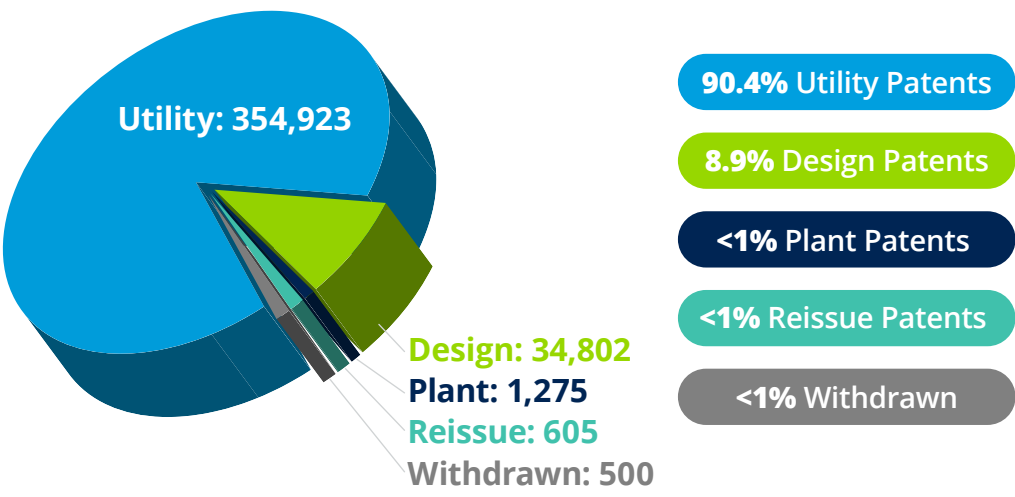
Univ of California	648
CalTech	626
MIT	359
Univ of Texas	296
Tsinghua Univ	295
King Fahd Univ of Petrol	234
Stanford Univ	229
Johns Hopkins Univ	172
Kaist	170
Harvard College	159
Univ of Wisconsin WARF	158
Univ of Michigan	157
Purdue Univ Res Foundation	146
Arizona State Univ	131
Northwestern Univ	124
Seoul National Univ	114



Top Design Patent Classes

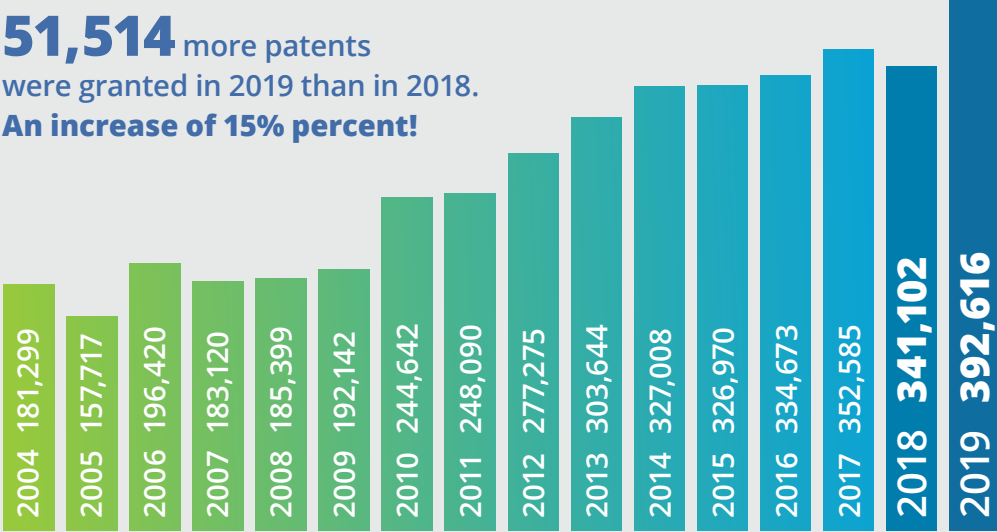
Recording, Comm, Info Retrieval	4,969
Transportation	3,282
Medical/Lab Equipment	2,313
Lighting	2,010
Preparing Food/Drink	1,921
Apparel/Haberdashery	1,751
Packages/Containers	1,750
Fluid Handling	1,735
Tools And Hardware	1,671
Games/Toys	1,645

392,616 PATENTS GRANTED IN 2019

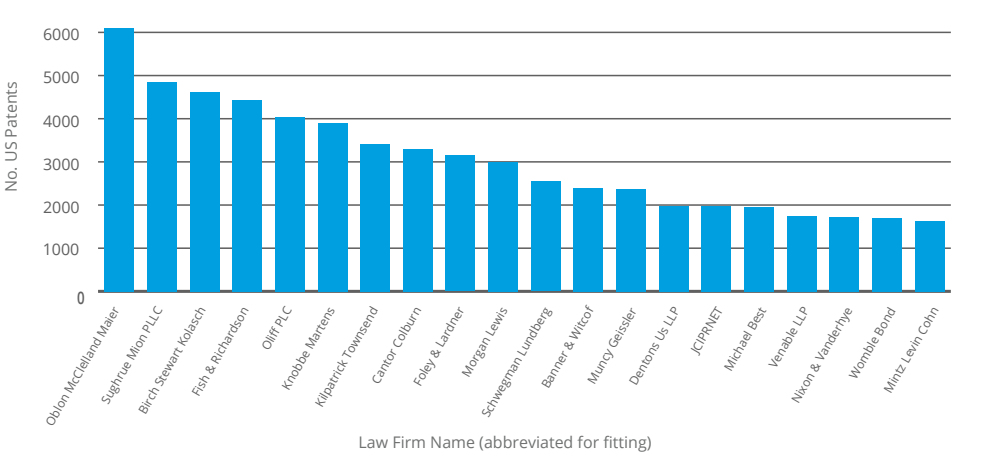


392,105 US applications were published in 2019

ANNUAL PATENTING TRENDS



TOP 20 PATENT AGENTS & LAW FIRMS



Electrical Digital Data Processing topped the list of design patents granted in 2019.

"A succinate salt of cytisine" The shortest claim in 2019.

BY THE NUMBERS

Patents that stood out in 2019

392,616 Granted Patents

The number of granted patents grew 15% in 2019. This breaks a five-year plateau where grants had been essentially flat.

394,879 US Applications Published

2019 had 18,269 more US applications published than 2018, or a 5% change.

231 Unique Filings

Number of applications filed in family of US10231146B2 from Intel Corp. Filed in 2016, 122 Grants are still active in this very large family.

43.5 Years of Pendency

Granted on November 26, 2019, patent US10488157B1 from Raytheon relating to anti-radiation missile technology was filed back in 1976, the year that Apple and Microsoft first formed.

358 Claims

Patent US1020227B2 from Monosol Rx covering a type of water soluble film is the most thoroughly claimed invention of 2019.

493 Pages

Number of pages in patent US10224961B2 from Sun Patent Trust. They had one of the largest patents granted in 2018, as well.

133 Inventors

Number of inventors who cooperated on patent US10367677B2 from Ericsson. Although mostly from Sweden, these inventors hail from all over the world, including Denmark, China, and the US.



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2019 USPTO Patent Statistics: Breaking the Trend

By Khyle Eaton, Product Manager of Business Intelligence at Anaqua

After five years of minimal change in total patents granted, 2019 finally broke the plateau. According to a 2019 USPTO patent statistics analysis using Anaqua's [AcclaimIP](#) analytics software, last year there were 392,616 granted patents—a 15% increase from 2018. Further, there were 394,879 US applications published in 2019—a 5% increase from 2018.

We are also seeing a larger presence of technologies, such as 5G, virtual reality, and patents for handling user inputs which have topped the technology fields for granted patents. Other technologies, such as wireless communications were also high on that list.

So are organizations getting more innovative? Possibly. 2019 has been a year of movement in overall numbers, but significantly in the quantity of inventions. This spike in grants could be associated with increased efficiency within the USPTO or a result of patentees becoming more effective in filing patents, making it easier and quicker for approvals. This increase might also be a result of patent owners taking both the quality and production of patents even more seriously, which could potentially be supported by the enhancement and adoption of more Intellectual Property Management Software (IPMS) tools.

With new portfolio management tools and analytics, patent owners can do a better job of filing patent applications that best align with their organization's goals. This includes ensuring that patent portfolios are performing and protecting their business' products and roadmap, providing defensive use, and making money via licensing, sales, and enforcement.

Even with 2019's increase in overall patents granted, the top grantees continue to drive the market. The top 25 patentees this year secured over 68,500 patents or about 17.5% of all patents granted by the USPTO, the same as 2018. And for the third year in a row, IBM led the field with over 9,000 patents granted. They are also the only patentee to crack the 9,000-patent barrier, cementing their status as one of the most innovative businesses in the world.

If we explore patents from around the world, of the top 10 countries of origin filing at the USPTO, China continued to have the greatest number of patents granted year over year with a 40% increase in 2019. All other countries saw an increase as well, but even the next closest country (Great Britain with a 19.5% increase) was only half the growth of China.

As we've now seen, the increase in both patents and applications has reached the highest number over the past five years, a pattern that could continue with the emergence of new IPMS tools such as analytics, AI and automation. With the ability to integrate "big data" market analytics with internal portfolio analysis, IP organizations are being, and can continue to be, smarter about their patent strategies, better supporting the business while maintaining increased budget control. Business alignment will lead to not only more focused patenting strategies, but also more effective plans for pruning, licensing, and competitive actions.

The Top Patent Stats in 2019:

1. 392,616 Granted Patents - The number of granted patents grew 15% in 2019. This breaks a five-year plateau where grants had been essentially flat.
2. 394,879 US Applications Published - 2019 had 18,269 more US applications published than 2018, or a 5% change.
3. 231 Unique Filings - Number of applications filed in family of US10231146B2 from Intel Corp. Filed in 2016, 122 Grants are still active in this very large family.
4. 43.5 Years of Pendency - Granted on November 26, 2019, patent US10488157B1 from Raytheon relating to anti-radiation missile technology was filed back in 1976, the year that Apple and Microsoft first formed.
5. 358 Claims - Patent US10202227B2 from Monosol Rx covering a type of water soluble film is the most thoroughly claimed invention of 2019.
6. 493 Pages - Number of pages in patent US10224961B2 from Sun Patent Trust. They had one of the largest patents granted in 2018, as well.
7. 133 Inventors - Number of inventors who cooperated on patent US10367677B2 from Ericsson. Although mostly from Sweden, these inventors hail from all over the world, including Denmark, China, and the US.