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# 2024 Top 50

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Analyzing patent grants, as seen in this report, allows you to determine which companies are actively inventing in new technology spaces. Our ranking serves as a showcase of how IFI's patent data can be leveraged as an innovation metric for benchmarking top industry competitors.

2024

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Rank	Name	2024 Grants	2023 Grants	Δ	% Change	Rank Change
1	Samsung Electronics Co Ltd	6,377	6,165	+212	+3.44	+0
2	Taiwan Semiconductor Manufacturing Co TSMC Ltd	3,989	3,687	+302	+8.19	+1
3	Qualcomm Inc	3,422	3,854	-432	-11.21	-1
4	Apple Inc	3,082	2,536	+546	+21.53	+3
5	Huawei Technologies Co Ltd	3,046	2,068	+978	+47.29	+6
6	LG Electronics Inc	2,768	2,296	+472	+20.56	+2
7	Samsung Display Co Ltd	2,596	2,564	+32	+1.25	-1
8	International Business Machines Corp	2,465	3,658	-1,193	-32.61	-4
9	Canon Inc	2,329	2,890	-561	-19.41	-4
10	Google LLC	2,054	1,837	+217	+11.81	+3
11	Intel Corp	1,931	2,145	-214	-9.98	-1
12	BOE Technology Group Co Ltd	1,870	1,640	+230	+14.02	+3
13	Micron Technology Inc	1,796	2,233	-437	-19.57	-4
14	Toyota Motor Corp	1,779	1,859	-80	-4.3	-2
15	Microsoft Technology Licensing LLC	1,707	1,820	-113	-6.21	-1
16	Telefonaktiebolaget LM Ericsson AB	1,523	1,191	+332	+27.88	+5
17	Dell Products LP	1,515	1,198	+317	+26.46	+3
18	Amazon Technologies Inc	1,441	1,591	-150	-9.43	-2
19	Hyundai Motor Co	1,283	1,534	-251	-16.36	-1
20	Sony Group Corp	1,135	712	+423	+59.41	+19
21	Capital One Services LLC	1,132	1,024	+108	+10.55	+3
22	Kia Corp	1,103	1,536	-433	-28.19	-5
23	NEC Corp	1,095	819	+276	+33.7	+10
24	Ford Global Technologies LLC	1,092	1,270	-178	-14.02	-5
25	Nippon Telegraph and Telephone Corp	1,047	553	+494	+89.33	+31
26	Seiko Epson Corp	1,008	1,140	-132	-11.58	-4
27	Murata Manufacturing Co Ltd	995	786	+209	+26.59	+8
28	Mitsubishi Electric Corp	993	751	+242	+32.22	+10
29	Honda Motor Co Ltd	986	1,126	-140	-12.43	-6
30	Panasonic Intellectual Property Management Co Ltd	968	707	+261	+36.92	+10
31	Texas Instruments Inc	966	977	-11	-1.13	-5
32	Robert Bosch GmbH	948	876	+72	+8.22	-3
33	Saudi Arabian Oil Co	917	1,003	-86	-8.57	-8
34	Applied Materials Inc	875	897	-22	-2.45	-6
35	Cisco Technology Inc	858	909	-51	-5.61	-8

36	LG Display Co Ltd	824	778	+46	+5.91	+0
37	Fujifilm Corp	818	545	+273	+50.09	+20
38	Boeing Co	779	820	-41	-5	-6
39	Denso Corp	767	650	+117	+18	+7
40	Snap Inc	736	654	+82	+12.54	+5
41	SK Hynix Inc	735	873	-138	-15.81	-11
42	Changxin Memory Technologies Inc	731	247	+484	+195.95	+57
43	GM Global Technology Operations LLC	722	706	+16	+2.27	-2
44	Kioxia Corp	718	685	+33	+4.82	-1
45	Bank of America Corp	686	642	+44	+6.85	+4
46	Tencent Technology Shenzhen Co Ltd	685	306	+379	+123.85	+54
47	Guangdong Oppo Mobile Telecommunications Corp Ltd	670	511	+159	+31.11	+18
48	Nokia Technologies Oy	655	443	+212	+47.85	+29
49	LG Energy Solution Ltd	654	398	+256	+64.32	+37
50	Koninklijke Philips NV	652	597	+55	+9.21	+2

A Flourish table

Learn more about the [terms and methods](#) utilized in this report.

The table is accurate as of January 7, 2025.

## 2024 Trends & Insights report

Discover this year's trends in innovation and technology with interactive graphs.

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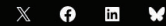
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Global 250 (2023)

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1	Samsung Electronics Co Ltd	6,165	6,248	-83	-1.33	+0
2	Qualcomm Inc	3,854	2,625	+1,229	+46.82	+5
3	Taiwan Semiconductor Manufacturing Co TSMC Ltd	3,687	3,024	+663	+21.92	+0
4	International Business Machines Corp	3,658	4,398	-740	-16.83	-2
5	Canon Inc	2,890	2,694	+196	+7.28	+0
6	Samsung Display Co Ltd	2,564	2,106	+458	+21.75	+6
7	Apple Inc	2,536	2,285	+251	+10.98	+2
8	LG Electronics Inc	2,296	2,641	-345	-13.06	-2
9	Micron Technology Inc	2,233	1,920	+313	+16.3	+4
10	Intel Corp	2,145	2,418	-273	-11.29	-2
11	Huawei Technologies Co Ltd	2,068	2,836	-768	-27.08	-7
12	Toyota Motor Corp	1,859	2,214	-355	-16.03	-2
13	Google LLC	1,837	1,548	+289	+18.67	+3
14	Microsoft Technology Licensing LLC	1,820	1,815	+5	+0.28	+1
15	BOE Technology Group Co Ltd	1,640	2,195	-555	-25.28	-4
16	Amazon Technologies Inc	1,591	1,863	-272	-14.6	-2
17	Kia Corp	1,536	1,289	+247	+19.16	+7
18	Hyundai Motor Co	1,534	1,436	+98	+6.82	-1
19	Ford Global Technologies LLC	1,270	1,316	-46	-3.5	+2
20	Dell Products LP	1,198	1,125	+73	+6.49	+7
21	Telefonaktiebolaget LM Ericsson AB	1,191	1,397	-206	-14.75	-2
22	Seiko Epson Corp	1,140	1,243	-103	-8.29	+3
23	Honda Motor Co Ltd	1,126	1,346	-220	-16.34	-3
24	Capital One Services LLC	1,024	706	+318	+45.04	+21
25	Saudi Arabian Oil Co	1,003	941	+62	+6.59	+6
26	Texas Instruments Inc	977	910	+67	+7.36	+10
27	Cisco Technology Inc	909	923	-14	-1.52	+5
28	Applied Materials Inc	897	711	+186	+26.16	+16
29	Robert Bosch GmbH	876	1,057	-181	-17.12	+1
30	SK Hynix Inc	873	1,119	-246	-21.98	-2
31	General Electric Co	830	871	-41	-4.71	+8
32	Boeing Co	820	1,082	-262	-24.21	-3
33	NEC Corp	819	915	-96	-10.49	+1
34	EMC IP Holding Co LLC	797	1,295	-498	-38.46	-11
35	Murata Manufacturing Co Ltd	786	896	-110	-12.28	+3
36	LG Display Co Ltd	778	NA	NA	NA	NA

37	VMware LLC	759	NA	NA	NA	NA
38	Mitsubishi Electric Corp	751	1,142	-391	-34.24	-12
39	Sony Group Corp	712	NA	NA	NA	NA
40	Panasonic Intellectual Property Management Co Ltd	707	921	-214	-23.24	-7
41	GM Global Technology Operations LLC	706	NA	NA	NA	NA
42	Oracle International Corp	691	648	+43	+6.64	+8
43	Kioxia Corp	685	NA	NA	NA	NA
44	Halliburton Energy Services Inc	675	906	-231	-25.5	-7
45	Snap Inc	654	NA	NA	NA	NA
46	Denso Corp	650	912	-262	-28.73	-11
47	Hewlett Packard Development Co LP	644	1,300	-656	-50.46	-25
48	Toshiba Corp	642	791	-149	-18.84	-8
49	Bank of America Corp	642	NA	NA	NA	NA
50	Brother Industries Ltd	631	657	-26	-3.96	-1

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Learn more about the [terms and methods](#) utilized in this report.

The table is accurate as of January 4, 2024.

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3	Taiwan Semiconductor Manufacturing Co TSMC Ltd	3,024	2,798	+8	+1
4	Huawei Technologies Co Ltd	2,836	2,769	+2	+1
5	Canon Inc	2,694	3,021	-11	-2
6	LG Electronics Inc	2,641	2,487	+6	+2
7	Qualcomm Inc	2,625	2,149	+22	+3
8	Intel Corp	2,418	2,614	-7	-2
9	Apple Inc	2,285	2,541	-10	-2
10	Toyota Motor Corp	2,214	2,028	+9	+2
11	BOE Technology Group Co Ltd	2,195	2,135	+3	+0
12	Samsung Display Co Ltd	2,106	1,975	+7	+1
13	Micron Technology Inc	1,920	1,789	+7	+2
14	Amazon Technologies Inc	1,863	1,943	-4	+0
15	Microsoft Technology Licensing LLC	1,815	2,417	-25	-6
16	Google LLC	1,548	1,493	+4	+2
17	Hyundai Motor Co	1,436	1,268	+13	+3
18	Sony Corp	1,397	1,679	-17	-2
19	Telefonaktiebolaget LM Ericsson AB	1,397	1,387	+1	+0
20	Honda Motor Co Ltd	1,346	1,209	+11	+4
21	Ford Global Technologies LLC	1,316	1,626	-19	-4
22	Hewlett Packard Development Co LP	1,300	919	+41	+12
23	EMC IP Holding Co LLC	1,295	1,243	+4	-1
24	Kia Motors Corp	1,289	1,203	+7	+1
25	Seiko Epson Corp	1,243	1,231	+1	-2
26	Mitsubishi Electric Corp	1,142	1,158	-1	+0
27	Dell Products LP	1,125	770	+46	+18
28	SK Hynix Inc	1,119	958	+17	+3
29	Boeing Co	1,082	1,263	-14	-8
30	Robert Bosch GmbH	1,057	895	+18	+5
31	Saudi Arabian Oil Co	941	836	+13	+9
32	Cisco Technology Inc	923	961	-4	-2
33	Panasonic Intellectual Property Management Co Ltd	921	1,067	-14	-6
34	NEC Corp	915	827	+11	+7
35	Denso Corp	912	950	-4	-3
36	Texas Instruments Inc	910	970	-6	-7

37	Halliburton Energy Services Inc	906	871	+4	+0
38	Murata Manufacturing Co Ltd	896	731	+23	+10
39	General Electric Co	871	1,065	-18	-11
40	Toshiba Corp	791	745	+6	+7
41	Koninklijke Philips NV	781	836	-7	-2
42	AT&T Intellectual Property I LP	777	918	-15	-9
43	Guangdong Oppo Mobile Telecommunications Corp Ltd	756	720	+5	+6
44	Applied Materials Inc	711	674	+5	N/A
45	Capital One Services LLC	706	699	+1	N/A
46	Raytheon Technologies Corp	688	788	-13	-4
47	Ricoh Co Ltd	675	771	-12	-1
48	Fujifilm Corp	661	714	-7	+2
49	Brother Industries Ltd	657	592	+11	N/A
50	Oracle International Corp	648	596	+9	N/A

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The table is accurate as of January 5th, 2023.

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