

Top 300 Organizations Granted U.S. Patents in 2016

Are more patents better?

IPO does not attempt to answer the question above. IPO publishes patent owner lists as an information service for IPO members.

This list of organizations that received the most U.S. utility patents is being published by IPO for the 34th consecutive year. It is based on data obtained from the U.S. Patent & Trademark Office.

Patents granted to parent and subsidiary companies are combined in many instances. See the end notes for more information. IPO makes reasonable efforts to avoid errors, but cannot guarantee accuracy.

30 May 2017

2016 Patent Owners Numerical Listing

Use care in interpreting the “percent change from 2015” column. The total number of patents granted by the USPTO in 2016 was 303,051, up 1.6 percent from 2015. The percent change for an individual organization could be affected by mergers, acquisitions, divestitures, inconsistent treatment of subsidiaries in 2015 and 2016, and many other factors.

Rank	Organization	2016 Patents	Percent Change From 2015	Rank	Organization	2016 Patents	Percent Change From 2015
1	International Business Machines Corp.	8,023	7.8	38	Mitsubishi Denki K.K.	1,011	13.6
2	Samsung Electronics Co., Ltd.	5,504	8.8	39	Cisco Technology, Inc.	987	0.4
3	Canon K.K.	3,865	-8.8	40	Johnson & Johnson	932	-14.1
4	Intel Corp.	3,414	30.1	41	Brother Kogyo K.K.	926	-22.0
5	Google, Inc.	3,267	2.3	42	Texas Instruments, Inc.	887	10.0
6	Qualcomm, Inc.	3,118	-2.8	43	Micron Technology, Inc.	882	-8.2
7	General Electric Co.	2,566	-2.4	44	NEC Corp.	880	13.8
8	Microsoft Corp.	2,558	3.5	45	Honda Motor Co., Ltd.	870	-10.7
9	LG Electronics Inc.	2,426	8.3	46	Broadcom Corp.	822	-24.3
10	Taiwan Semiconductor Manufacturing Co., Ltd.	2,261	28.6	47	Honeywell International Inc.	820	9.9
11	Sony Corp.	2,168	-11.4	48	Sharp Corp.	818	-15.6
12	Apple, Inc.	2,101	8.5	49	BOE Technology Group Co., Ltd.	815	195.3
13	Samsung Display Co., Ltd.	2,010	10.1	50	Blackberry Ltd.	769	-28.1
14	Toshiba Corp.	1,920	-31.3	51	Xerox Corp.	762	-18.6
15	Amazon Technologies, Inc.	1,662	46.3	52	Verizon	754	-12.0
16	Seiko Epson Corp.	1,644	1.6	53	Kyocera Document Solutions Inc.	740	9.1
17	Dell Technologies	1,628	new	54	STMicroelectronics, Inc.	737	1.9
18	Fujitsu Ltd.	1,563	7.4	55	The Dow Chemical Co.	705	10.0
19	Telefonaktiebolaget LM Ericsson	1,552	10.4	56	Denso Corp.	702	-0.3
20	Toyota Jidosha K.K.	1,540	-5.9	57	Fujifilm Corp.	699	-6.6
21	Ford Global Technologies, LLC	1,530	27.6	58	Freescale Semiconductor, Inc.	696	new
22	Siemens AG	1,482	-0.4	59	Nokia Technologies Oy	695	73.8
23	Medtronic Inc.	1,441	-8.9	60	Schlumberger Technology Corp.	685	-7.8
24	Ricoh Co., Ltd.	1,404	-13.2	61	Oracle International Corp.	662	-9.4
25	Panasonic Intellectual Property Management Co., Ltd.	1,400	-5.0	62	Electronics and Telecommunications Research Institute	660	-17.5
26	Globalfoundries Inc.	1,360	136.5	63	HP Inc.	656	new
27	AT&T Corp.	1,266	-2.8	64	LG Display Co., Ltd.	638	1.1
28	Huawei Technologies Co., Ltd.	1,198	49.9	65	Marvell Technology Group	630	9.9
29	Robert Bosch GmbH	1,122	10.4	66	Infineon Technologies AG	618	5.5
30	GM Global Technology Operations LLC	1,115	-14.8	67	Hewlett Packard Enterprise	615	new
31	Koninklijke Philips N.V.	1,111	12.0	68	Applied Materials, Inc.	601	16.0
32	SK Hynix Inc.	1,108	30.0	69	Renesas Electronics Corp.	589	-1.0
33	United Technologies Corp.	1,096	2.4	70	Fuji Xerox Co., Ltd.	580	-5.1
34	Western Digital Corp.	1,066	50.1	71	Alcatel Lucent	565	-21.1
35	Semiconductor Energy Laboratory Co., Ltd.	1,054	-6.6	72	Olympus Corp.	555	36.4
36	Boeing Co.	1,052	7.9	73	Halliburton Energy Services, Inc.	549	18.3
37	Hyundai Motor Co.	1,032	39.1	74	Monsanto Co.	547	23.2

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75	3M Innovative Properties Co.	533	10.1		United Microelectronics Corp.	324	28.6
76	Seagate Technology, LLC	522	0.6	115	ABB Ltd.	317	-142.0
77	DuPont	513	-33.5		Nissan Motor Co., Ltd.	317	14.0
78	Hitachi, Ltd.	512	new		Wistron Corp.	317	-14.1
79	Sprint Corp.	511	-1.5	118	Boston Scientific Scimed, Inc.	311	new
80	University of California, The Regents of	505	3.3	119	Panasonic Intellectual Property Corp. of America	306	-33.2
81	Caterpillar Inc.	503	-28.8	120	Sanofi	300	12.8
82	SAP AG	497	-26.7	121	NXP B.V.	290	-70.3
83	Shenzhen China Star Optoelectronics Technology Co., Ltd.	493	-0.6	122	Rohm Co., Ltd.	284	18.8
84	LG Chem, Ltd.	478	-7.2	123	Mediatek Inc.	280	12.9
85	ZTE Corp.	472	13.5	124	Bank of America Corp.	279	20.8
86	Murata Manufacturing Co., Ltd.	468	24.5	125	Massachusetts Institute of Technology	278	0.0
87	Japan Display Inc.	467	25.5	126	TE Connectivity	277	new
88	LG Innotek Co., Ltd.	459	22.4	127	InterDigital Technology Corp.	274	31.7
89	Konica Minolta, Inc.	446	23.5	128	Sumitomo Electric Industries, Ltd.	269	-2.5
90	Commissariat a l'Energie Atomique et aux Energies Alternatives	442	9.1	129	Tencent Technology (Shenzhen) Co. Ltd.	265	108.7
	Facebook, Inc.	442	18.2	130	Rolls-Royce PLC	264	-1.5
92	Samsung SDI Co., Ltd.	433	-23.1	131	Thomson Licensing S.A.	260	-17.5
93	Hon Hai Precision Industry Co., Ltd.	428	-25.3	132	Becton Dickinson and Co.	255	2.8
94	BASF SE	423	-21.1	133	NetApp, Inc.	251	52.1
95	Nike, Inc.	415	25.8	134	International Game Technology	247	3.8
96	Samsung Electro-Mechanics Co., Ltd.	412	-16.8		Novartis AG	247	10.3
97	Baker Hughes Inc.	408	-15.5	136	Juniper Networks, Inc.	245	-5.4
98	ExxonMobil Corp.	400	23.5	137	Stanford University	244	19.0
99	Mitsubishi Heavy Industries, Ltd.	397	67.5	138	Cree, Inc.	241	21.7
	Procter & Gamble Co.	397	-12.4	139	Deere & Co.	239	21.9
101	Corning Inc.	394	-6.0	140	Macronix International Co., Ltd.	235	1.7
	Yazaki Corp.	394	1.5	141	Dolby Laboratories, Inc.	231	60.4
103	Kyocera Corp.	388	-3.0	142	Elwha LLC	228	29.5
	Roche Holdings, Inc.	388	14.1	143	ASML Netherlands B.V.	225	-0.4
	Tokyo Electron Ltd.	388	2.4		Fuji Electric Co., Ltd.	225	13.1
106	Industrial Technology Research Institute, Taiwan	374	-11.6	145	Salesforce.com, Inc.	224	17.3
107	Raytheon Co.	369	16.8	146	Illinois Tool Works Inc.	223	0.5
108	Adobe Systems Inc.	352	10.3	147	AU Optronics Corp.	222	-28.2
109	Nvidia Corp.	350	7.7	148	Airbus Operations GmbH	221	-1.8
110	Futurewei Technologies, Inc.	344	2.7		Casio Computer Co. Ltd.	221	5.7
111	Empire Technology Development LLC	342	16.3		Whirlpool Corp.	221	13.9
112	United States of America, Navy	336	-7.2	151	HTC Corp.	215	-13.3
113	Avago Technologies General IP (Singapore) Pte. Ltd.	324	6.9		NTT Docomo, Inc.	215	0.0
				153	Eaton Corp.	214	44.6
				154	Nikon Corp.	213	-14.5
				155	Advanced Micro Devices, Inc.	212	9.8
					Symantec Corp.	212	-49.6
				157	Bally Gaming, Inc.	211	51.8
					Saint-Gobain Corp.	211	-23.0

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159	Nokia Solutions and Networks Oy	208	24.6	197	BAE Systems	170	-16.7
160	Cook Medical Technologies LLC	207	-2.4		Rambus, Inc.	170	3.0
	Nintendo Co., Ltd.	207	18.3	199	Nielsen	169	29.0
162	Shin Etsu Chemical Co., Ltd.	204	-9.3	200	Merck Patent GmbH	168	-15.6
163	Fanuc Corp.	203	new		Wisconsin Alumni Research Foundation	168	4.3
	Hitachi High-Technologies Corp.	203	new	202	Cypress Semiconductor Corp.	167	16.8
	Lenovo Enterprise Solutions (Singapore) Pte. Ltd.	203	-11.7		Johns Hopkins University	167	16.8
	Semiconductor Components Industries, LLC	203	12.8	204	KLA-Tencor Corp.	166	18.6
167	Red Hat, Inc.	202	-20.5		Nestec, S.A.	166	40.7
168	California Institute of Technology	201	9.8	206	ZF Friedrichshafen, AG	164	-3.0
	Commscope Technologies LLC	201	new	207	Shell Oil Co.	163	-11.4
170	Audi AG	199	40.1	208	University of Texas	162	-15.2
	Nitto Denko Corp.	199	-2.0	209	Osram Opto Semiconductors GmbH	161	4.5
172	Infineon Technologies Austria AG	198	22.2	210	Stats Chippac Pte. Ltd.	160	2.6
173	Bridgestone Corp.	197	-3.4	211	Cardiac Pacemakers, Inc.	159	new
	Hitachi Automotive Systems, Ltd.	197	new	212	Shimano Inc.	156	36.8
	Merck & Co., Inc.	197	-10.9	213	Daikin Industries Ltd.	155	13.1
176	Disney Enterprises, Inc.	195	-6.7		Thales	155	-4.3
177	Schaeffler Technologies AG & Co. KG	192	-22.9		Xilinx, Inc.	155	-8.3
178	Societe Nationale d'Etude et de Construction de Moteurs d'Aviation	191	11.0	216	Airbus Operations S.A.S.	154	-23.0
	Stryker Corp.	191	-1.5	217	Koch Industries	153	4.8
	Xperi Corp.	191	new		Nippon Steel & Sumitomo Metal Corp.	153	-1.9
181	Lockheed Martin Corp.	190	-13.6	219	Komatsu Ltd.	152	-6.7
182	Avaya Inc.	189	20.3		Pfizer Inc.	152	26.7
183	Lenovo (Singapore) Pte. Ltd.	184	new	221	CNH Industrial America LLC	151	5.6
184	CA, Inc.	183	34.6		Huawei Device Co., Ltd.	151	17.1
	Yahoo, Inc.	183	-23.8		Jtekt Corp.	151	-13.7
186	Eastman Kodak Co.	181	-25.5		TDK Corp.	151	-3.8
187	LAM Research Corp.	179	27.9	225	Kawasaki Jukogyo K.K.	150	33.9
	Tsinghua University	179	-2.7	226	Aktiebolaget SKF	149	-6.9
	UOP	179	-25.1		Continental Automotive GmbH	149	2.1
190	Hitachi Metals Ltd.	178	new	228	Aisin Seiki K.K.	148	-17.3
191	Ebay Inc.	176	-1.1		Semiconductor Manufacturing International (Shanghai) Corp.	148	new
	Motorola Solutions, Inc.	176	24.8	230	Echostar Technologies LLC	147	26.7
193	Boston Scientific Neuromodulation Corp.	173	new		Foxconn Interconnect Technology Ltd.	147	new
194	Citrix Systems, Inc.	172	-0.6		United States of America, Department of Health & Human Services	147	-3.3
195	Saudi Arabian Oil Co.	171	43.7	233	Accenture Global Services Ltd.	146	28.1
	Sumitomo Chemical Co., Ltd.	171	-2.3		Globus Medical Inc.	146	new
					Nichia Corp.	146	new
					Paypal, Inc.	146	new
				237	Panasonic Corp.	145	-49.3
				238	DSM IP Assets B.V.	144	23.1
				239	University of Michigan	142	21.4

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240	Rockwell Automation Technologies, Inc.	141	-11.9	283	Joled, Inc.	117	1.7
241	Ecolab USA Inc.	139	29.9		Lexmark International, Inc.	117	new
242	Bayer Intellectual Property GmbH	138	-39.5		LSIS Co., Ltd.	117	2.6
	Sumitomo Wiring Systems, Ltd.	138	29.0		Omnivision Technologies Inc.	117	new
244	Hitachi Kokusai Electric Inc.	136	new	287	ARM Ltd.	116	-20.5
	United States of America, Army	136	-16.0		HRL Laboratories, LLC	116	new
246	Analog Devices, Inc.	135	18.4		Osram GmbH	116	3.6
	Rockwell Collins, Inc.	135	-10.0		Realtek Semiconductor Corp.	116	-15.9
248	Cooper Technologies Co.	134	11.7		Yamaha Motor Co., Ltd.	116	-4.1
249	Abbott Cardiovascular Systems, Inc.	133	-7.0	292	Sandia Corp.	115	6.5
	Nuance Communications, Inc.	133	-9.5		United States of America, National Aeronautics and Space Administration	115	new
251	Delta Electronics Inc.	132	-20.5	294	L'Oreal S.A.	114	-23.5
	Omron Corp.	132	7.3		University of South Florida	114	new
253	NGK Insulators Ltd.	130	0.8	296	Arris Enterprises, Inc.	113	new
254	Chevron USA Inc.	129	-22.3		Compagnie Generale des Etablissements Michelin	113	0.0
	Shimadzu Corp.	129	new	298	Bristol-Myers Squibb Co.	111	new
	Toray Industries Inc.	129	-3.7		Uni-Charm Corp.	111	-13.3
257	Carl Zeiss SMT GmbH	128	9.4	300	Acer Inc.	110	new
	Centre National de la Recherche Scientifique - CNRS	128	-19.0		Hamamatsu Photonics K.K.	110	new
	Life Technologies Corp.	128	new				
	Syngenta Participations AG	128	-8.6				
261	Kimberly-Clark Worldwide, Inc.	127	17.6				
262	Acushnet Co.	126	8.6				
	Intuitive Surgical Operations, Inc.	126	14.5				
264	Allergan, Inc.	125	-8.1				
	Bayerische Motoren Werke AG	125	new				
	Kobe Steel, Ltd.	125	3.3				
267	Atmel Corp.	124	-3.1				
	NTN Corp.	124	-3.1				
269	NGK Spark Plug Co., Ltd.	123	9.8				
	Smith & Nephew, Inc.	123	new				
	Sumitomo Rubber Industries, Ltd.	123	-0.8				
272	Epistar Corp.	122	new				
	Mahle International GmbH	122	new				
274	Pixart Imaging Inc.	121	new				
	Stanley Black & Decker, Inc.	121	-14.8				
	Yamaha Corp.	121	new				
277	Open Invention Network, LLC	120	new				
278	Here Global B.V.	119	new				
279	Columbia University	118	-0.8				
	Continental Automotive Systems, Inc.	118	new				
	Hyundai Mobis, Co., Ltd.	118	new				
	Sun Patent Trust	118	new				

2016 Patent Owners Alphabetical Listing

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249	Abbott Cardiovascular Systems, Inc.	133	-7.0	173	Bridgestone Corp.	197	-3.4
233	Accenture Global Services Ltd.	146	28.1	298	Bristol-Myers Squibb Co.	111	new
300	Acer Inc.	110	new	46	Broadcom Corp.	822	-24.3
262	Acushnet Co.	126	8.6	41	Brother Kogyo K.K.	926	-22.0
108	Adobe Systems Inc.	352	10.3	184	CA, Inc.	183	34.6
155	Advanced Micro Devices, Inc.	212	9.8	168	California Institute of Technology	201	9.8
148	Airbus Operations GmbH	221	-1.8	3	Canon K.K.	3,865	-8.8
216	Airbus Operations S.A.S.	154	-23.0	211	Cardiac Pacemakers, Inc.	159	new
228	Aisin Seiki K.K.	148	-17.3	257	Carl Zeiss SMT GmbH	128	9.4
226	Aktiebolaget SKF	149	-6.9	148	Casio Computer Co. Ltd.	221	5.7
71	Alcatel Lucent	565	-21.1	81	Caterpillar Inc.	503	-28.8
264	Allergan, Inc.	125	-8.1	257	Centre National de la Recherche Scientifique - CNRS	128	-19.0
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296	Arris Enterprises, Inc.	113	new	90	Commissariat a l'Energie Atomique et aux Energies Alternatives	442	9.1
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170	Audi AG	199	40.1	160	Cook Medical Technologies LLC	207	-2.4
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186	Eastman Kodak Co.	181	-25.5	221	Huawei Device Co., Ltd.	151	17.1
153	Eaton Corp.	214	44.6	28	Huawei Technologies Co., Ltd.	1,198	49.9
191	Ebay Inc.	176	-1.1	279	Hyundai Mobis, Co., Ltd.	118	new
230	Echostar Technologies LLC	147	26.7	37	Hyundai Motor Co.	1,032	39.1
241	Ecolab USA Inc.	139	29.9	146	Illinois Tool Works Inc.	223	0.5
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110	Futurewei Technologies, Inc.	344	2.7	225	Kawasaki Jukogyo K.K.	150	33.9
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278	Here Global B.V.	119	new	103	Kyocera Corp.	388	-3.0
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173	Hitachi Automotive Systems, Ltd.	197	new	187	LAM Research Corp.	179	27.9
163	Hitachi High-Technologies Corp.	203	new	183	Lenovo (Singapore) Pte. Ltd.	184	new
244	Hitachi Kokusai Electric Inc.	136	new	163	Lenovo Enterprise Solutions (Singapore) Pte. Ltd.	203	-11.7
190	Hitachi Metals Ltd.	178	new	283	Lexmark International, Inc.	117	new
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283	LSIS Co., Ltd.	117	2.6	237	Panasonic Corp.	145	-49.3
140	Macronix International Co., Ltd.	235	1.7	118	Panasonic Intellectual Property Corp. of America	306	-33.2
272	Mahle International GmbH	122	new	25	Panasonic Intellectual Property Management Co., Ltd.	1,400	-5.0
65	Marvell Technology Group	630	9.9	233	Paypal. Inc.	146	new
125	Massachusetts Institute of Technology	278	0.0	219	Pfizer Inc.	152	26.7
123	Mediatek Inc.	280	12.9	274	Pixart Imaging Inc.	121	new
23	Medtronic Inc.	1,441	-8.9	99	Procter & Gamble Co.	397	-12.4
173	Merck & Co., Inc.	197	-10.9	6	Qualcomm, Inc.	3,118	-2.8
200	Merck Patent GmbH	168	-15.6	197	Rambus, Inc.	170	3.0
43	Micron Technology, Inc.	882	-8.2	107	Raytheon Co.	369	16.8
8	Microsoft Corp.	2,558	3.5	287	Realtek Semiconductor Corp.	116	-15.9
38	Mitsubishi Denki K.K.	1,011	13.6	167	Red Hat, Inc.	202	-20.5
99	Mitsubishi Heavy Industries, Ltd.	397	67.5	69	Renesas Electronics Corp.	589	-1.0
74	Monsanto Co.	547	23.2	24	Ricoh Co., Ltd.	1,404	-13.2
191	Motorola Solutions, Inc.	176	24.8	29	Robert Bosch GmbH	1,122	10.4
86	Murata Manufacturing Co., Ltd.	468	24.5	103	Roche Holdings, Inc.	388	14.1
44	NEC Corp.	880	13.8	240	Rockwell Automation Technologies, Inc.	141	-11.9
204	Nestec, S.A.	166	40.7	246	Rockwell Collins, Inc.	135	-10.0
133	NetApp, Inc.	251	52.1	122	Rohm Co., Ltd.	284	18.8
253	NGK Insulators Ltd.	130	0.8	130	Rolls-Royce PLC	264	-1.5
269	NGK Spark Plug Co., Ltd.	123	9.8	157	Saint-Gobain Corp.	211	-23.0
233	Nichia Corp.	146	new	145	Salesforce.com, Inc.	224	17.3
199	Nielsen	169	29.0	13	Samsung Display Co., Ltd.	2,010	10.1
95	Nike, Inc.	415	25.8	96	Samsung Electro-Mechanics Co., Ltd.	412	-16.8
154	Nikon Corp.	213	-14.5	2	Samsung Electronics Co., Ltd.	5,504	8.8
160	Nintendo Co., Ltd.	207	18.3	92	Samsung SDI Co., Ltd.	433	-23.1
217	Nippon Steel & Sumitomo Metal Corp.	153	-1.9	292	Sandia Corp.	115	6.5
115	Nissan Motor Co., Ltd.	317	14.0	120	Sanofi	300	12.8
170	Nitto Denko Corp.	199	-2.0	82	SAP AG	497	-26.7
159	Nokia Solutions and Networks Oy	208	24.6	195	Saudi Arabian Oil Co.	171	43.7
59	Nokia Technologies Oy	695	73.8	177	Schaeffler Technologies AG & Co. KG	192	-22.9
134	Novartis AG	247	10.3	60	Schlumberger Technology Corp.	685	-7.8
267	NTN Corp.	124	-3.1	76	Seagate Technology, LLC	522	0.6
151	NTT Docomo, Inc.	215	0.0	16	Seiko Epson Corp.	1,644	1.6
249	Nuance Communications, Inc.	133	-9.5	163	Semiconductor Components Industries, LLC	203	12.8
109	Nvidia Corp.	350	7.7	35	Semiconductor Energy Laboratory Co., Ltd.	1,054	-6.6
121	NXP B.V.	290	-70.3	228	Semiconductor Manufacturing International (Shanghai) Corp.	148	new
72	Olympus Corp.	555	36.4	48	Sharp Corp.	818	-15.6
283	Omnivision Technologies Inc.	117	new	207	Shell Oil Co.	163	-11.4
251	Omron Corp.	132	7.3				
277	Open Invention Network, LLC	120	new				
61	Oracle International Corp.	662	-9.4				
287	Osram GmbH	116	3.6				

**2016 Patent Owners
Alphabetical Listing**

Rank	Organization	2016 Patents	Percent Change From 2015	Rank	Organization	2016 Patents	Percent Change From 2015
83	Shenzhen China Star Optoelectronics Technology Co., Ltd.	493	-0.6	230	United States of America, Department of Health & Human Services	147	-3.3
254	Shimadzu Corp.	129	new	292	United States of America, National Aeronautics and Space Administration	115	new
212	Shimano Inc.	156	36.8	112	United States of America, Navy	336	-7.2
162	Shin Etsu Chemical Co., Ltd.	204	-9.3	33	United Technologies Corp.	1,096	2.4
22	Siemens AG	1,482	-0.4	80	University of California, The Regents of	505	3.3
32	SK Hynix Inc.	1,108	30.0	239	University of Michigan	142	21.4
269	Smith & Nephew, Inc.	123	new	294	University of South Florida	114	new
178	Societe Nationale d'Etude et de Construction de Moteurs d'Aviation	191	11.0	208	University of Texas	162	-15.4
11	Sony Corp.	2,168	-11.4	187	UOP	179	-25.1
79	Sprint Corp.	511	-1.5	52	Verizon	754	-12.0
137	Stanford University	244	19.0	34	Western Digital Corp.	1,066	50.1
274	Stanley Black & Decker, Inc.	121	-14.8	148	Whirlpool Corp.	221	13.9
210	Stats Chippac Pte. Ltd.	160	2.6	200	Wisconsin Alumni Research Foundation	168	4.3
54	STMicroelectronics, Inc.	737	1.9	115	Wistron Corp.	317	-14.1
178	Stryker Corp.	191	-1.5	51	Xerox Corp.	762	-18.6
195	Sumitomo Chemical Co., Ltd.	171	-2.3	213	Xilinx, Inc.	155	-8.3
128	Sumitomo Electric Industries, Ltd.	269	-2.5	178	Xperi Corp.	191	new
269	Sumitomo Rubber Industries, Ltd.	123	-0.8	184	Yahoo, Inc.	183	-23.8
242	Sumitomo Wiring Systems, Ltd.	138	29.2	274	Yamaha Corp.	121	new
279	Sun Patent Trust	118	new	287	Yamaha Motor Co., Ltd.	116	-4.1
155	Symantec Corp.	212	-49.6	101	Yazaki Corp.	394	1.5
257	Syngenta Participations AG	128	-8.6	206	ZF Friedrichshafen, AG	164	-3.0
10	Taiwan Semiconductor Manufacturing Co., Ltd.	2,261	28.6	85	ZTE Corp.	472	13.5
221	TDK Corp.	151	-3.8				
126	TE Connectivity	277	new				
19	Telefonaktiebolaget LM Ericsson	1,552	10.4				
129	Tencent Technology (Shenzhen) Co. Ltd.	265	108.7				
42	Texas Instruments, Inc.	887	10.0				
213	Thales	155	-4.3				
55	The Dow Chemical Co.	705	10.1				
131	Thomson Licensing S.A.	260	-17.5				
103	Tokyo Electron Ltd.	388	2.4				
254	Toray Industries Inc.	129	-3.7				
14	Toshiba Corp.	1,920	-31.3				
20	Toyota Jidosha K.K.	1,540	-5.9				
187	Tsinghua University	179	-2.7				
298	Uni-Charm Corp.	111	-13.3				
113	United Microelectronics Corp.	324	28.6				
244	United States of America, Army	136	-16.6				

END NOTES:

1. “New” in the percent change column indicates that the company was not on the Top 300 list in 2015.
2. 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.
3. This report was compiled by IPO from data provided by the U.S. Patent and Trademark Office. Patents reported are utility patents granted during calendar year 2016 that listed the organization or a subsidiary as the owner on the printed patent document. If an assignment of rights to an organization or its subsidiary was recorded after the patent document was printed, the patent was not counted. Patents in the name of a majority-owned subsidiary are included with patents of the parent organization if the organization asked IPO to include subsidiaries. Patents that were granted to two or more organizations jointly are attributed to the organization listed first on the patent document.
4. The number of utility patents granted by the USPTO increased to 303,051 in 2016 from 298,407 in 2015.
5. IPO has published this report annually since 1984 as a service to its members. For annual lists, go to www.ipo.org/top300.
6. 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 by 1 March 2018.