

# TECHNOLOGY ASSESSMENT AND FORECAST REPORT

## ELECTRICAL CLASSES

1/1996 – 12/2015



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U.S. PATENT AND TRADEMARK OFFICE  
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*A PATENT TECHNOLOGY MONITORING TEAM REPORT*

# Technology Profile Report - ELECTRICAL Classes

## Explanation of Data

This Technology Profile Report profiles the patent activity for U.S. utility patents granted between **1996** and **December 2015** in ELECTRICAL technology discipline classes within the U.S. Patent Classification System (USPCS).

The report is generated by identifying appropriate Patent and Trademark Office (PTO) classes, i.e., those entirely or substantially pertinent to the technology discipline of interest. The patents in these classes are then included in the profile. This procedure results, in most cases, in the inclusion of the majority of patents relevant to the technology discipline and few, if any, patents which are not relevant. However, any patent listing provided should not be considered to be inclusive of all relevant patents, nor exclusive of all irrelevant patents.

### Data Distribution By Date of Grant and By Date of Application

#### **Parts A1 and A2**

Part A1 distributes utility patent GRANT data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 distributes patent GRANT data by the year in which the patented application was filed ("Patents Granted By Date of Patent Application"). Parts A1 and A2 each provide patent counts (pages A1-1 and A2-1) and percent distributions (pages A1-2 and A2-2).

Patent data, as shown in the "**Pre 2002**" column, correspond to selected patents in the data base which were granted during the period **1996 to 2001**.

#### **Part B**

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since 1995. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (ROUGHLY 35% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a utility patent and the issuing of the patent (i.e., the patent's "pendency") is now about **26** months, the patented application data for applications filed in the most recent years are incomplete.\* This is because the patents included in this report are limited to those granted during the specified time period. However, a significant number of the applications filed during the most recent years of this time period were still pending at the end of the period. While many of these applications eventually will be patented, they will not be patented until sometime following the end of the period displayed in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity since, for the most part, such fluctuations would be immune from changes in U.S. Patent and

Trademark Office (PTO) processing such as occurred in years such as in 1986 and 2005 when the PTO issued fewer patents than would have normally been expected because of administrative reasons. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc.

"Patents Granted By Date of Patent Application", as shown in the "**Pre 2002**" column, correspond to utility patent grants in the report that were filed prior to **2002**.

### Parts of the Report

**Parts A1 and A2** present tables which show, by number and percent, the patent activity in all technologies. Part A1 presents data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 redistributes grant data by year of patent application ("Patents Granted By Date of Patent Application"). The location of **patent origin is determined by the residence of the first named inventor at the time of grant**.

**Patent ownership** information reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. and Foreign Corporation ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in these categories. While U.S. Government patent ownership includes only patents granted to the Federal Government, no similar distinction is made for Foreign Government patents.

Note that for a patent, the country of origin may differ from the country of ownership. Therefore, **the sum of U.S. origin patents does not equal the sum of U.S. ownership category patents**.

**Part B** is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) that have received 200 or more U.S. utility patents since 1986. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented applications were filed. Information regarding patent ownership reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

\* For example, in a report profiling utility patents granted through December 2015, patent grant data, as distributed by year of application are approximately 97% complete for utility patent applications filed in 2007, 97% complete for filings in 2008, 91% complete for filings in 2009, 86% complete for filings in 2010, 83% complete for filings in 2011, 69% complete for filings in 2012, 43% for filings in 2013, and 16% for filings in 2014; data are essentially complete for applications filed prior to 2007.

CHEMICAL, ELECTRICAL, MECHANICAL CLASSES

DECEMBER 2015

CHEMICAL	8	23	44	48	51	55	65	71	75	95	96	106	117	127	136	148
	149	156	159	162	196	201	202	203	204	205	208	210	216	252	260	264
	376	419	420	422	423	424	426	427	428	429	430	435	436	438	442	501
	502	503	504	507	508	510	512	514	516	518	520	521	522	523	524	525
	526	527	528	530	532	534	536	540	544	546	548	549	552	554	556	558
	560	562	564	568	570	585	588	800	930	976	977	987				

The following subclasses are also Chemical: 29/2, 25.01-25.03, 623.1-623.5; 118/47, 715-733; 131/274 279; 134/1 42; 505/100-126, 300-512, 725-785, 800-824, 951

ELECTRICAL	174	177	178	191	200	218	219	235	250	257	290	307	310	313	314	315
	318	320	322	323	324	326	327	329	330	331	332	333	334	335	336	337
	338	340	341	342	343	345	346	347	348	349	352	355	356	358	359	360
	361	362	363	365	367	368	369	370	372	373	375	377	378	379	380	381
	382	385	386	388	392	396	398	399	455	505	700	701	702	703	704	705
	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	725
	726	850	902													

The following subclasses are also Electrical: 84/600-746; 204/157.2-157.22; 209/ 127.1-131, 511, 524-528, 536, 563-590; 244/3.1-3.14; 434/1-10, 307R-321, 350-362; 600/310-361, 372-397, 407-436, 473-480, 509-525, 544-548; 604/20-21; 607/2-76, 98-103, 115-156; 968/446-604, 783, 802, 820-830, 837-856, 876-977; 977/720-723, 839, 849-881, 901, 932-960; 984/300-398

MECHANICAL	2	4	5	7	12	14	15	16	19	24	26	27	28	29	30	33
	34	36	37	38	40	42	43	47	49	52	53	54	56	57	59	60
	62	63	66	68	69	70	72	73	74	76	79	81	82	83	84	86
	87	89	91	92	99	100	101	102	104	105	108	109	110	111	112	114
	116	118	119	122	123	124	125	126	128	131	132	134	135	137	138	139
	140	141	142	144	147	150	152	157	160	163	164	165	166	168	169	171
	172	173	175	180	181	182	184	185	186	187	188	190	192	193	194	198
	199	206	209	211	212	213	215	217	220	221	222	223	224	225	226	227
	228	229	231	232	234	236	237	238	239	241	242	244	245	246	248	249
	251	254	256	258	261	266	267	269	270	271	273	276	277	278	279	280
	281	283	285	289	291	292	293	294	295	296	297	298	299	300	301	303
	305	312	351	353	366	374	383	384	400	401	402	403	404	405	406	407
	408	409	410	411	412	413	414	415	416	417	418	425	431	432	433	434
	439	440	441	445	446	449	450	451	452	453	454	460	462	463	464	470
	472	473	474	475	476	477	482	483	492	493	494	600	601	602	604	606
	607	623	901	903	968	984										

The following subclasses are also Mechanical: 8/147-159; 156/349-584; 210/348-540; 346/139R-145; 347/1-109; 352/143-197, 204-243; 359/503-553, 600-617, 838-883; 368/89-106, 124-154, 168-202, 206-216, 276-326; 378/167-209; 385/53-99; 396/341-372, 411-428, 439-543, 564-660; 588/249-250, 252-260; 726/35; 977/724-733, 904-913, 919, 962

TECHNOLOGY ASSESSMENT AND FORECAST PROGRAM TECHNOLOGY DISCIPLINES FOR  
 U.S. PATENT CLASSIFICATION SYSTEM CLASSES AS OF DECEMBER 2015  
CHEMICAL, ELECTRICAL, MECHANICAL

Class	Class	Class	Class	Class	Class	Class	Class	Class	Class	Class
2M	66M	124M	181M	228M	289M	343E	398E	441M	522C	707E
4M	68M	125M	182M	229M	290E	345E	399E	442C	523C	708E
5M	69M	126M	184M	231M	291M	346E*	400M	445M	524C	709E
7M	70M	127C	185M	232M	292M	347E*	401M	446M	525C	710E
8C*	71C	128M	186M	234M	293M	348E	402M	449M	526C	711E
12M	72M	131M*	187M	235E	294M	349E	403M	450M	527C	712E
14M	73M	132M	188M	236M	295M	351M	404M	451M	528C	713E
15M	74M	134M*	190M	237M	296M	352E*	405M	452M	530C	714E
16M	75C	135M	191E	238M	297M	353M	406M	453M	532C	715E
19M	76M	136C	192M	239M	298M	355E	407M	454M	534C	716E
23C	79M	137M	193M	241M	299M	356E	408M	455E	536C	717E
24M	81M	138M	194M	242M	300M	358E	409M	460M	540C	718E
26M	82M	139M	196C	244M*	301M	359E*	410M	462M	544C	719E
27M	83M	140M	198M	245M	303M	360E	411M	463M	546C	720E
28M	84M*	141M	199M	246M	305M	361E	412M	464M	548C	725E
29M*	86M	142M	200E	248M	307E	362E	413M	470M	549C	726E*
30M	87M	144M	201C	249M	310E	363E	414M	472M	552C	800C
33M	89M	147M	202C	250E	312M	365E	415M	473M	554C	850E
34M	91M	148C	203C	251M	313E	366M	416M	474M	556C	901M
36M	92M	149C	204C*	252C	314E	367E	417M	475M	558C	902E
37M	95C	150M	205C	254M	315E	368E*	418M	476M	560C	903M
38M	96C	152M	206M	256M	318E	369E	419C	477M	562C	930C
40M	99M	156C*	208C	257E	320E	370E	420C	482M	564C	968M*
42M	100M	157M	209M*	258M	322E	372E	422C	483M	568C	976C
43M	101M	159C	210C*	260C	323E	373E	423C	492M	570C	977C*
44C	102M	160M	211M	261M	324E	374M	424C	493M	585C	984M*
47M	104M	162C	212M	264C	326E	375E	425M	494M	588C*	987C
48C	105M	163M	213M	266M	327E	376C	426C	501C	600M*	
49M	106C	164M	215M	267M	329E	377E	427C	502C	601M	
51C	108M	165M	216C	269M	330E	378E*	428C	503C	602M	
52M	109M	166M	217M	270M	331E	379E	429C	504C	604M*	
53M	110M	168M	218E	271M	332E	380E	430C	505E*	606M	
54M	111M	169M	219E	273M	333E	381E	431M	507C	607M*	
55C	112M	171M	220M	276M	334E	382E	432M	508C	623M	
56M	114M	172M	221M	277M	335E	383M	433M	510C	700E	
57M	116M	173M	222M	278M	336E	384M	434M*	512C	701E	
59M	117C	174E	223M	279M	337E	385E*	435C	514C	702E	
60M	118M*	175M	224M	280M	338E	386E	436C	516C	703E	
62M	119M	177E	225M	281M	340E	388E	438C	518C	704E	
63M	122M	178E	226M	283M	341E	392E	439M	520C	705E	
65C	123M	180M	227M	285M	342E	396E*	440M	521C	706E	

- \*8/147-159 are mechanical
- \*29/2, 25.01-25.03, 623.1-623.5 are chemical
- \*84/600-746 are electrical
- \*118/47, 715-733 are chemical
- \*131/274-279 are chemical
- \*134/1-42 are chemical
- \*156/349-584 are mechanical
- \*204/157.2-157.22 are electrical
- \*209/127.1-131, 511, 524-528, 536, 563-590 are electrical
- \*210/348-540 are mechanical
- \*244/3.1-3.14 are electrical
- \*346/139R-145 are mechanical
- \*347/1-109 are mechanical
- \*352/143-197, 204-243 are mechanical
- \*359/503-553, 600-617, 838-883 are mechanical
- \*368/89-106, 124-154, 168-202, 206-216, 276-326 are mechanical
- \*378/167-209 are mechanical
- \*385/53-99 are mechanical
- \*396/341-372, 411-428, 439-543, 564-660 are mechanical
- \*434/1-10, 307R-321, 350-362 are electrical
- \*505/100-126, 300-512, 725-785, 800-824, 951 are chemical
- \*588/249-250, 252-260 are mechanical
- \*600/310-361, 372-397, 407-436, 473-480, 509-525, 544-548 are electrical
- \*604/20-21 are electrical
- \*607/2-76, 98-103, 115-156 are electrical
- \*726/35 is mechanical
- \*968/446-604, 783, 802, 820-830, 837-856, 876-977 are electrical
- \*977/720-723, 839, 849-881, 901, 932-960 are electrical
- \*977/724-733, 904-913, 919, 962 are mechanical
- \*984/300-398 are electrical

Part A1

Patent Grants as Distributed By Year of Patent Grant

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1996 - Dec 31, 2015) ----

	NUMBER OF PATENTS															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
<b>Total</b>	297158	64051	67813	73114	66998	88402	80749	84385	91646	116742	120319	139071	153112	166456	165012	1775028
U.S. Origin	153256	32423	34225	36862	33860	44826	39660	40518	43944	55590	56125	63829	70762	77636	75109	858625
Foreign Origin	143902	31628	33588	36252	33138	43576	41089	43867	47702	61152	64194	75242	82350	88820	89903	916403
JAPAN	85018	17307	18227	19183	17128	22145	19816	20349	21951	26759	27804	31190	32069	32639	31677	423262
KOREA, SOUTH	9775	2004	2162	2563	2607	3796	4144	5179	5971	8009	8523	9448	10351	11603	12744	98879
GERMANY	11324	2897	3187	3342	3077	3683	3486	3560	3719	4980	4689	5390	6120	6394	6523	72371
TAIWAN	5396	1816	1959	2383	2295	3175	3410	3643	3975	5002	5457	6979	7153	7379	7681	67703
CANADA	4614	1030	1087	1298	1139	1556	1537	1678	1853	2532	2645	3211	3805	4147	3817	35949
UNITED KINGDOM	5791	1289	1279	1405	1360	1646	1499	1486	1618	1979	2008	2463	2838	3259	3097	33017
FRANCE	5813	1196	1152	1199	1107	1396	1224	1325	1316	1873	1845	2253	2666	2823	2759	29947
CHINA, PEOPLE'S REPUB	111	72	82	158	156	304	417	751	1002	1659	1995	3070	3959	5037	5658	24431
ISRAEL	1926	508	633	617	578	782	732	772	932	1194	1330	1716	2063	2379	2553	18715
NETHERLANDS	2615	562	565	579	446	755	697	770	717	824	908	1011	1184	1232	1145	14010
SWEDEN	2449	633	556	490	462	548	417	422	453	649	842	1144	1279	1654	1597	13595
INDIA	90	46	91	115	163	221	308	403	444	788	899	1235	1838	2320	2562	11523
FINLAND	1358	407	474	530	433	642	633	583	613	805	683	742	898	992	951	10744
ITALY	1900	433	435	396	363	464	397	431	434	512	596	705	891	920	917	9794
SWITZERLAND	1352	286	303	362	305	370	339	382	443	529	555	584	747	808	898	8263
AUSTRALIA	623	164	217	291	260	462	477	431	422	581	691	547	594	634	612	7006
SINGAPORE	400	172	198	250	184	234	230	252	260	340	367	494	459	548	590	4978
AUSTRIA	420	106	154	155	154	220	159	187	205	294	322	366	381	459	509	4091
BELGIUM	635	111	126	152	141	170	159	156	174	244	222	284	338	413	375	3700
DENMARK	270	78	110	118	102	148	132	130	146	195	234	292	308	354	338	2955
CHINA, HONG KONG S.A.	326	76	93	132	126	137	138	132	139	193	216	268	286	340	293	2895
IRELAND	223	66	81	103	73	103	98	102	107	143	167	203	242	292	291	2294
RUSSIAN FEDERATION	311	68	86	67	63	82	81	94	100	130	164	208	236	268	273	2231
SPAIN	183	45	42	59	66	84	82	111	117	123	162	245	288	306	295	2208
NORWAY	184	51	55	66	72	85	104	127	99	158	141	193	196	217	251	1999
MALAYSIA	56	18	19	31	48	73	108	108	113	139	101	124	118	155	177	1388
NEW ZEALAND	127	29	30	24	31	36	33	34	49	51	62	81	98	88	93	866
CZECH REPUBLIC	22	13	15	9	11	11	16	26	18	34	44	87	103	131	140	680
BRAZIL	57	17	17	20	15	18	20	24	35	47	49	55	69	88	104	635
HUNGARY	46	8	31	10	17	18	19	24	23	36	55	63	79	109	96	634
SAUDI ARABIA	12	1	6	1	4	7	3	12	10	27	22	67	86	107	107	472
SOUTH AFRICA	104	20	16	20	18	21	12	23	17	23	25	31	38	42	47	457
MEXICO	43	13	20	26	29	22	19	12	14	32	24	39	21	41	44	399
POLAND	11	3	2	6	9	12	14	22	19	17	20	41	42	84	91	393
ROMANIA	7	2	3	7	6	9	5	8	7	11	26	31	50	59	60	291
GREECE	24	1	4	3	8	11	10	8	16	15	27	41	33	35	34	270
Others ( 102 )	286	80	71	82	82	130	114	110	171	225	274	341	424	464	504	3358
<b>Ownership:</b>																
U.S. Corporations	142876	30146	31789	34484	31909	42080	37249	38939	42277	53328	54449	62631	70242	78431	76606	827436
U.S. Government	2083	329	311	293	279	324	307	251	267	369	334	409	437	383	373	6749
U.S. Individuals	14350	2441	2436	2463	2175	2959	2502	2399	2508	3530	3058	3366	3799	3809	3578	55373
Foreign Corporations	131882	29886	32084	34748	31593	41765	39551	41811	45377	58027	61226	71106	76982	82050	82692	860780
Foreign Government	336	40	29	23	25	21	36	14	38	76	61	97	83	134	149	1162
Foreign Individuals	5631	1209	1164	1103	1017	1253	1104	971	1179	1412	1191	1462	1569	1649	1614	23528



Part A2

Patent Grants as Distributed By Year of Patent Application



---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1996 - Dec 31, 2015) ----

	NUMBER OF PATENTED APPLICATIONS															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
<b>Total</b>	522223	92126	94165	99182	105234	109632	114450	115796	106800	107875	109045	102578	67750	25736	2436	1775028
U.S. Origin	273040	46274	46645	48170	50176	50908	53701	52140	45996	46982	48680	49225	33012	12387	1289	858625
Foreign Origin	249183	45852	47520	51012	55058	58724	60749	63656	60804	60893	60365	53353	34738	13349	1147	916403
<b>JAPAN</b>	139817	21724	22421	23114	25809	25600	25726	26266	25153	23781	24003	20278	13121	5935	514	423262
<b>KOREA, SOUTH</b>	16503	3402	4402	5864	6498	7923	8244	8154	7866	8032	8022	6832	5002	1932	203	98879
<b>GERMANY</b>	20873	5071	4521	4729	4708	4844	4933	5082	4189	4124	3862	3143	1737	516	39	72371
<b>TAIWAN</b>	9488	2938	3345	3896	4021	4563	5019	5605	5692	6072	5655	5544	4385	1388	92	67703
<b>CANADA</b>	8845	1702	1812	1969	2044	2392	2397	2384	2254	2534	2662	2895	1530	492	37	35949
<b>UNITED KINGDOM</b>	11066	2125	1901	1814	1787	1786	2027	2111	1844	1833	1788	1667	943	303	22	33017
<b>FRANCE</b>	9998	1793	1740	1554	1671	1836	1928	1959	1801	1853	1662	1282	638	223	9	29947
<b>CHINA, PEOPLE'S REPUB</b>	446	292	397	628	929	1541	1718	2354	2882	3623	3583	3315	2002	664	57	24431
<b>ISRAEL</b>	4241	935	824	837	1031	1204	1320	1385	1319	1253	1472	1512	1019	326	37	18715
<b>NETHERLANDS</b>	4465	898	964	1157	878	918	800	812	889	780	639	451	252	103	4	14010
<b>SWEDEN</b>	4600	603	588	594	675	830	943	1010	888	830	801	662	397	158	16	13595
<b>INDIA</b>	426	265	406	431	538	680	879	1139	1103	1345	1441	1544	1001	305	20	11523
<b>FINLAND</b>	3654	740	709	768	666	659	582	661	568	525	516	383	230	78	5	10744
<b>ITALY</b>	3106	572	602	542	587	580	576	678	582	556	548	463	289	108	5	9794
<b>SWITZERLAND</b>	2387	480	447	422	455	520	490	606	502	521	499	521	286	114	13	8263
<b>AUSTRALIA</b>	1622	468	474	606	532	411	473	556	467	435	391	307	204	54	6	7006
<b>SINGAPORE</b>	1024	285	272	310	330	364	371	359	303	384	338	304	217	103	14	4978
<b>AUSTRIA</b>	820	239	241	245	264	296	353	313	281	253	281	286	159	57	3	4091
<b>BELGIUM</b>	1087	189	243	205	225	246	213	241	247	227	238	181	110	47	1	3700
<b>DENMARK</b>	685	217	147	154	152	209	185	252	272	180	202	172	104	23	1	2955
<b>CHINA, HONG KONG S.A.</b>	605	142	160	157	141	185	208	234	240	245	214	178	144	41	1	2895
<b>IRELAND</b>	504	136	100	118	148	116	178	198	153	171	150	174	115	30	3	2294
<b>RUSSIAN FEDERATION</b>	567	73	118	101	112	135	131	155	169	116	187	187	114	55	11	2231
<b>SPAIN</b>	366	95	118	106	152	151	195	173	189	219	186	138	87	29	4	2208
<b>NORWAY</b>	403	106	122	113	154	161	157	163	139	135	135	126	69	16		1999
<b>MALAYSIA</b>	118	38	92	128	127	122	133	123	104	86	104	87	84	40	2	1388
<b>NEW ZEALAND</b>	238	53	55	53	42	42	61	66	69	52	51	42	31	10	1	866
<b>CZECH REPUBLIC</b>	57	15	11	20	21	38	39	71	83	78	79	103	50	14	1	680
<b>BRAZIL</b>	101	28	40	41	34	28	47	45	46	64	64	58	28	9	2	635
<b>HUNGARY</b>	115	31	22	27	36	32	49	63	45	62	77	38	29	7	1	634
<b>SAUDI ARABIA</b>	21	6	6	15	11	14	10	28	51	81	63	65	54	44	3	472
<b>SOUTH AFRICA</b>	173	25	18	26	21	27	29	25	25	26	30	15	14	3		457
<b>MEXICO</b>	116	25	27	15	21	29	19	31	20	21	20	30	17	7	1	399
<b>POLAND</b>	30	17	17	16	24	21	18	37	33	39	48	44	33	16		393
<b>ROMANIA</b>	24	2	6	9	3	20	28	28	29	29	41	27	37	8		291
<b>GREECE</b>	35	12	13	14	12	19	19	25	23	20	17	38	19	3	1	270
<b>Others ( 102 )</b>	557	110	139	214	199	182	251	264	284	308	296	261	187	88	18	3358
<b>Ownership:</b>																
U.S. Corporations	255237	44088	44287	45586	48287	49060	52080	52573	45318	46376	48468	50039	32874	11935	1228	827436
U.S. Government	2939	348	325	330	351	289	337	290	332	310	331	290	190	78	9	6749
U.S. Individuals	21886	2969	2956	2868	2913	3022	3030	2611	2493	2617	2701	2573	1856	781	97	55373
Foreign Corporations	232751	43146	45101	49111	52368	55882	57681	59097	57426	57337	56339	48635	32143	12688	1075	860780
Foreign Government	426	35	42	45	44	49	72	80	85	89	82	61	33	19		1162
Foreign Individuals	8984	1540	1454	1242	1271	1330	1250	1145	1146	1146	1124	980	654	235	27	23528



**Part B**  
**Ranked Listing of Organizations with PATENT GRANTS**  
**As Distributed By Year of Patent Grant**  
**and As Distributed By Year of Patent Application**

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>INTERNATIONAL BUSINESS MACHINES CORPORATION</b>																	
Patents By Year of Grant:	12372	2620	2814	2774	2540	3204	2754	3654	4343	5184	5528	5854	6038	6576	6629	72884	
Patents By Year of Application:	23331	3152	3538	3448	3523	3620	5526	7880	3400	3216	3155	5453	2924	664	54	72884	
<b>SAMSUNG ELECTRONICS CO., LTD.</b>																	
Patents By Year of Grant:	4997	952	938	1171	1210	1814	2127	2769	2875	3730	4075	4356	3947	4251	4400	43612	
Patents By Year of Application:	8053	1516	2240	2878	3171	4053	4391	3799	3086	2972	2733	2316	1667	654	83	43612	
<b>CANON KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	7241	1201	1296	1249	1320	1858	1558	1638	1678	1919	2124	2474	3011	3221	3248	35036	
Patents By Year of Application:	11929	1273	1578	1686	2116	1805	1960	2018	2199	2259	2136	2010	1493	538	36	35036	
<b>SONY CORPORATION</b>																	
Patents By Year of Grant:	5888	1189	1078	1078	949	1534	1225	1307	1477	1845	2026	2762	2822	2970	2251	30401	
Patents By Year of Application:	10440	1317	1372	1401	2005	1671	1868	1862	1935	1960	1835	1534	824	360	17	30401	
<b>TOSHIBA CORPORATION</b>																	
Patents By Year of Grant:	5080	870	965	1085	1073	1400	1274	1355	1401	1778	2008	1998	1996	2121	2213	26617	
Patents By Year of Application:	7636	1261	1279	1478	1400	1577	1687	1606	1736	1593	1891	1691	1221	523	38	26617	
<b>MICROSOFT CORPORATION</b>																	
Patents By Year of Grant:	1704	495	493	618	732	1451	1613	2011	2877	3039	2274	2561	2613	2777	444	25702	
Patents By Year of Application:	4753	1118	1750	2931	3454	2270	2142	2043	1372	1675	1272	681	222	19	0	25702	
<b>FUJITSU LIMITED</b>																	
Patents By Year of Grant:	5537	1037	1128	1125	1013	1339	1148	1303	1074	1187	1283	1427	1710	1715	1397	23423	
Patents By Year of Application:	9416	1219	1065	1249	1494	1170	1077	1073	1389	1223	1126	1079	650	181	12	23423	
<b>INTEL CORPORATION</b>																	
Patents By Year of Grant:	3507	947	1394	1378	1293	1671	1572	1514	1325	1439	1113	1182	1355	1492	1953	23135	
Patents By Year of Application:	8198	1762	1867	1669	1455	1337	1121	849	893	862	945	1309	666	186	16	23135	
<b>HITACHI, LTD</b>																	
Patents By Year of Grant:	4738	1180	1360	1142	959	1397	1130	1094	887	1216	1252	1265	962	782	581	19945	
Patents By Year of Application:	8049	1439	1202	1391	1102	1131	1043	1290	884	796	754	537	230	80	17	19945	
<b>NEC CORPORATION</b>																	
Patents By Year of Grant:	7730	1439	1011	743	603	686	560	490	475	605	554	757	865	927	720	18165	
Patents By Year of Application:	11529	749	578	533	616	585	638	701	733	610	496	294	82	19	2	18165	
<b>HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.</b>																	
Patents By Year of Grant:	0	0	882	1245	1328	1703	1168	1159	992	1156	1057	1170	1132	1269	1064	15325	
Patents By Year of Application:	3156	1742	2053	1510	1351	893	934	839	889	738	595	446	164	11	4	15325	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.</b>																
Patents By Year of Grant:	4419	1148	1314	1432	1273	1791	1555	1183	32	8	5	2	1	0	0	14163
Patents By Year of Application:	8454	1529	1602	1320	755	393	104	3	1	2	0	0	0	0	0	14163
<b>MICRON TECHNOLOGY, INC.</b>																
Patents By Year of Grant:	2597	946	946	1009	929	976	939	828	633	573	652	669	719	801	769	13986
Patents By Year of Application:	4958	1125	915	1023	872	950	549	521	478	558	693	581	524	228	11	13986
<b>QUALCOMM, INC.</b>																
Patents By Year of Grant:	549	195	178	282	200	398	276	286	353	654	916	1286	2090	2564	2877	13104
Patents By Year of Application:	1492	439	406	483	670	983	983	1263	1397	1374	1208	1155	1021	219	11	13104
<b>LG ELECTRONICS INC.</b>																
Patents By Year of Grant:	755	234	294	320	312	523	431	561	791	1140	1118	1293	1625	1795	1868	13060
Patents By Year of Application:	1884	485	543	735	733	1007	1135	1079	1287	1376	1157	711	523	346	59	13060
<b>MITSUBISHI DENKI KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	4747	1043	963	610	487	478	377	394	413	553	471	565	586	666	689	13042
Patents By Year of Application:	7151	809	493	517	474	510	607	481	490	491	462	281	177	83	16	13042
<b>RICOH COMPANY, LTD.</b>																
Patents By Year of Grant:	1631	233	287	420	359	565	615	678	825	982	974	1089	1116	1191	1202	12167
Patents By Year of Application:	2635	546	703	675	724	941	951	1050	791	681	852	719	553	327	19	12167
<b>Panasonic Corporation</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	205	1432	1979	2087	2215	2131	1670	244	11963
Patents By Year of Application:	42	84	242	653	1238	1511	1624	1559	1385	1229	1200	840	286	58	12	11963
<b>TEXAS INSTRUMENTS, INCORPORATED</b>																
Patents By Year of Grant:	2899	557	607	677	590	703	602	622	530	674	647	717	636	720	740	11921
Patents By Year of Application:	4767	779	753	569	624	563	581	580	502	528	582	482	413	168	30	11921
<b>SHARP KABUSHIKI KAISHA (SHARP CORPORATION)</b>																
Patents By Year of Grant:	2325	404	384	435	387	583	544	487	534	656	737	976	984	972	864	11272
Patents By Year of Application:	3653	485	644	630	669	742	715	724	742	839	732	462	129	98	8	11272
<b>SIEMENS AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	2498	472	452	535	504	635	530	542	533	675	648	723	739	748	676	10910
Patents By Year of Application:	4251	721	637	653	619	634	603	646	576	495	502	409	141	23	0	10910
<b>SEIKO EPSON CORPORATION</b>																
Patents By Year of Grant:	1019	312	446	489	538	764	734	773	843	882	887	819	757	780	699	10742
Patents By Year of Application:	2290	630	738	935	891	801	750	764	652	611	629	546	327	169	9	10742

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>CISCO TECHNOLOGY, INC.</b>																	
Patents By Year of Grant:	322	216	330	424	438	642	572	698	902	1109	966	946	876	1084	947	10472	
Patents By Year of Application:	2287	654	702	722	1044	996	823	632	536	511	644	540	298	79	4	10472	
<b>TELEFONAKTIEBOLAGET L M ERICSSON (PUBL.)</b>																	
Patents By Year of Grant:	1693	484	451	384	326	353	247	262	247	387	529	840	1146	1535	1401	10285	
Patents By Year of Application:	3589	370	331	420	440	479	634	902	796	693	677	574	276	96	8	10285	
<b>BROADCOM CORPORATION</b>																	
Patents By Year of Grant:	52	74	166	296	408	655	524	634	709	954	1156	1152	1077	1187	1078	10122	
Patents By Year of Application:	709	670	714	948	849	816	922	669	767	780	857	754	573	80	14	10122	
<b>GENERAL ELECTRIC COMPANY</b>																	
Patents By Year of Grant:	1901	526	402	416	387	482	433	445	491	575	665	734	811	911	806	9985	
Patents By Year of Application:	3214	412	507	503	573	569	598	631	587	698	836	593	200	62	2	9985	
<b>Apple, Inc.</b>																	
Patents By Year of Grant:	950	72	74	90	82	104	109	178	274	534	634	1077	1677	1873	1789	9517	
Patents By Year of Application:	1258	145	219	251	303	494	720	812	819	1068	1150	1402	619	234	23	9517	
<b>MOTOROLA, INC.</b>																	
Patents By Year of Grant:	5529	554	496	494	416	532	396	317	330	384	26	1	0	0	0	9475	
Patents By Year of Application:	7127	628	530	391	337	303	131	25	3	0	0	0	0	0	0	9475	
<b>GOOGLE, INC.</b>																	
Patents By Year of Grant:	0	0	4	3	7	16	32	58	140	275	423	1139	1831	2528	2737	9193	
Patents By Year of Application:	32	18	145	230	249	274	413	441	520	746	1981	2439	1233	444	28	9193	
<b>XEROX CORPORATION</b>																	
Patents By Year of Grant:	2374	363	368	299	273	340	331	326	328	460	492	608	562	518	438	8080	
Patents By Year of Application:	3582	333	322	291	541	404	384	512	465	364	331	300	199	50	2	8080	
<b>LUCENT TECHNOLOGIES INC.</b>																	
Patents By Year of Grant:	4562	600	581	505	389	541	418	387	4	0	0	0	0	0	0	7987	
Patents By Year of Application:	6770	379	457	230	107	33	11	0	0	0	0	0	0	0	0	7987	
<b>KONINKLIJKE PHILIPS ELECTRONICS N.V.</b>																	
Patents By Year of Grant:	6	695	1112	1044	684	824	502	436	437	577	575	675	393	8	5	7973	
Patents By Year of Application:	3282	1222	750	632	530	504	442	301	207	63	24	15	1	0	0	7973	
<b>INFINEON TECHNOLOGIES AG</b>																	
Patents By Year of Grant:	190	321	459	563	572	679	675	657	493	612	484	350	321	404	493	7273	
Patents By Year of Application:	1195	830	727	744	807	682	573	387	219	231	269	313	227	68	1	7273	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>SUN MICROSYSTEMS, INC.</b>																
Patents By Year of Grant:	2081	481	539	658	625	765	602	505	550	196	3	1	2	0	0	7008
Patents By Year of Application:	4245	970	605	488	359	253	65	22	1	0	0	0	0	0	0	7008
<b>NOKIA CORPORATION</b>																
Patents By Year of Grant:	5	41	201	348	323	586	662	596	638	744	573	594	597	626	265	6799
Patents By Year of Application:	1371	778	730	739	604	600	458	463	373	302	214	122	41	4	0	6799
<b>SEMICONDUCTOR ENERGY LABORATORY CO., LTD.</b>																
Patents By Year of Grant:	477	145	173	209	198	249	261	287	343	485	495	589	763	905	871	6450
Patents By Year of Application:	1082	251	275	398	364	408	400	306	346	521	747	671	396	262	23	6450
<b>DENSO CORPORATION</b>																
Patents By Year of Grant:	515	230	239	303	267	367	377	346	418	481	382	492	474	522	498	5911
Patents By Year of Application:	1072	317	334	355	471	480	511	483	338	360	476	375	247	86	6	5911
<b>ADVANCED MICRO DEVICES, INC.</b>																
Patents By Year of Grant:	2398	556	478	475	334	276	216	111	113	109	126	126	202	195	188	5903
Patents By Year of Application:	3870	464	268	199	146	105	117	98	120	194	125	144	43	10	0	5903
<b>AT&amp; T Intellectual Property I, L.P.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	139	417	472	716	875	1090	1282	867	5858
Patents By Year of Application:	64	86	192	204	390	459	672	882	796	442	362	633	455	207	14	5858
<b>FUJI XEROX CO., LTD.</b>																
Patents By Year of Grant:	844	119	117	128	129	178	236	228	321	433	447	557	646	658	519	5560
Patents By Year of Application:	1298	141	277	218	328	457	362	385	474	456	414	364	262	112	12	5560
<b>TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.</b>																
Patents By Year of Grant:	315	113	127	128	183	248	269	220	211	274	228	421	626	943	1237	5543
Patents By Year of Application:	542	202	243	367	287	288	303	196	186	615	563	749	735	251	16	5543
<b>ROBERT BOSCH GMBH</b>																
Patents By Year of Grant:	958	276	282	336	276	262	278	191	212	307	283	284	429	497	542	5413
Patents By Year of Application:	1786	553	406	266	316	257	289	334	302	311	271	164	134	23	1	5413
<b>ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE</b>																
Patents By Year of Grant:	399	76	81	63	91	153	181	229	278	433	451	579	811	806	750	5381
Patents By Year of Application:	633	172	232	285	332	386	436	482	506	544	501	455	323	87	7	5381
<b>BROTHER KOGYO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	490	55	52	72	63	102	128	210	265	411	515	649	708	760	844	5324
Patents By Year of Application:	674	75	156	181	246	445	403	514	483	441	458	485	424	309	30	5324

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>EASTMAN KODAK COMPANY</b>																	
Patents By Year of Grant:	2043	209	234	325	313	393	268	175	174	196	148	196	179	155	88	5096	
Patents By Year of Application:	2911	353	339	292	218	163	138	111	141	137	118	128	29	18	0	5096	
<b>NIKON CORPORATION</b>																	
Patents By Year of Grant:	2028	194	251	199	165	132	122	148	143	201	274	319	366	309	223	5074	
Patents By Year of Application:	2655	169	159	124	249	247	251	320	219	251	201	131	76	21	1	5074	
<b>HONEYWELL INTERNATIONAL INC.</b>																	
Patents By Year of Grant:	150	142	163	277	210	291	288	354	386	494	474	474	427	440	441	5011	
Patents By Year of Application:	658	286	279	363	477	472	511	528	330	323	338	261	148	35	2	5011	
<b>SANYO ELECTRIC CO., LTD.</b>																	
Patents By Year of Grant:	817	219	226	261	237	373	319	320	321	361	320	293	215	80	31	4393	
Patents By Year of Application:	1599	328	325	322	351	326	292	275	221	176	98	71	9	0	0	4393	
<b>SEAGATE TECHNOLOGY, LLC</b>																	
Patents By Year of Grant:	803	261	300	327	213	196	118	147	163	224	274	264	227	311	439	4267	
Patents By Year of Application:	1683	264	257	146	149	167	200	187	239	155	188	200	295	119	18	4267	
<b>SAP AKTIENGESELLSCHAFT</b>																	
Patents By Year of Grant:	9	7	2	8	19	52	149	244	380	647	476	506	552	604	572	4227	
Patents By Year of Application:	38	181	348	610	542	473	358	304	219	356	275	352	147	23	1	4227	
<b>HYNIX SEMICONDUCTOR INC.</b>																	
Patents By Year of Grant:	3	44	121	160	190	286	274	294	394	686	692	467	369	161	38	4179	
Patents By Year of Application:	172	207	222	313	307	402	562	682	521	397	303	91	0	0	0	4179	
<b>MARVELL INTERNATIONAL LTD.</b>																	
Patents By Year of Grant:	5	21	17	27	51	107	160	178	241	379	500	581	630	683	565	4145	
Patents By Year of Application:	76	90	125	196	184	236	427	488	367	382	391	542	422	209	10	4145	
<b>NORTEL NETWORKS LIMITED</b>																	
Patents By Year of Grant:	919	400	429	489	372	314	268	270	245	180	178	15	0	1	0	4080	
Patents By Year of Application:	2855	329	321	234	106	105	47	38	27	16	2	0	0	0	0	4080	
<b>EMC CORPORATION</b>																	
Patents By Year of Grant:	323	91	130	123	127	155	161	183	245	305	278	318	373	602	664	4078	
Patents By Year of Application:	825	161	150	257	227	417	361	186	144	239	377	471	218	43	2	4078	
<b>BOEING COMPANY</b>																	
Patents By Year of Grant:	235	70	101	167	169	245	211	219	283	333	348	347	412	454	479	4073	
Patents By Year of Application:	520	242	298	250	300	365	336	384	298	307	287	264	168	50	4	4073	



---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>Fujifilm Corporation</b>																
Patents By Year of Grant:	0	0	0	0	0	0	333	428	493	565	492	488	387	437	428	4051
Patents By Year of Application:	118	112	193	253	437	503	388	426	368	329	289	198	207	211	19	4051
<b>ORACLE INTERNATIONAL CORPORATION</b>																
Patents By Year of Grant:	0	2	36	93	93	174	168	201	203	371	438	462	520	648	604	4013
Patents By Year of Application:	367	247	276	286	277	251	363	354	306	285	350	397	195	56	3	4013
<b>Samsung Display Co., Ltd.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	207	1047	1228	1529	4011
Patents By Year of Application:	1	0	4	7	34	61	109	186	410	645	957	725	674	190	8	4011
<b>TOYOTA JIDOSHA K.K.</b>																
Patents By Year of Grant:	433	74	57	61	68	90	86	102	134	238	349	448	523	591	713	3967
Patents By Year of Application:	604	66	109	134	163	292	369	488	554	427	429	190	84	50	8	3967
<b>HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)</b>																
Patents By Year of Grant:	671	149	120	158	166	185	184	175	179	255	291	329	363	359	371	3955
Patents By Year of Application:	1019	220	236	222	258	214	219	307	296	337	250	179	152	40	6	3955
<b>HEWLETT-PACKARD COMPANY</b>																
Patents By Year of Grant:	2994	640	220	0	5	8	3	0	0	9	24	5	0	1	0	3909
Patents By Year of Application:	3858	15	2	3	7	6	5	7	4	1	1	0	0	0	0	3909
<b>LG Display Co., Ltd.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	214	482	594	511	523	487	519	554	3884
Patents By Year of Application:	39	31	61	256	471	668	364	360	361	371	327	318	172	83	2	3884
<b>HON HAI PRECISION IND. CO., LTD.</b>																
Patents By Year of Grant:	90	76	93	157	77	152	125	203	292	365	397	555	592	378	298	3850
Patents By Year of Application:	255	168	117	190	135	338	300	349	399	637	422	268	245	26	1	3850
<b>MURATA MANUFACTURING CO., LTD.</b>																
Patents By Year of Grant:	969	312	305	253	169	124	79	124	130	143	148	221	232	238	318	3765
Patents By Year of Application:	1622	253	208	137	71	56	131	154	203	181	242	215	182	98	12	3765
<b>RESEARCH IN MOTION LIMITED</b>																
Patents By Year of Grant:	30	15	12	14	24	80	125	198	303	471	652	973	799	8	0	3704
Patents By Year of Application:	93	66	93	338	359	431	385	346	497	518	360	215	3	0	0	3704
<b>FREESCALE SEMICONDUCTOR, INC.</b>																
Patents By Year of Grant:	0	0	0	91	172	210	218	228	252	350	372	361	379	443	590	3666
Patents By Year of Application:	121	170	214	190	352	374	350	388	311	216	230	324	276	144	6	3666

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN</b>																	
Patents By Year of Grant:	523	105	96	102	78	150	139	188	267	300	323	396	341	278	283	3569	
Patents By Year of Application:	795	119	142	174	209	276	302	327	352	285	211	220	134	22	1	3569	
<b>Renesas Electronics Corp.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	116	811	872	722	508	537	3566	
Patents By Year of Application:	0	2	3	6	28	98	211	411	567	645	536	549	308	178	24	3566	
<b>HUAWEI TECHNOLOGIES CO., LTD.</b>																	
Patents By Year of Grant:	0	1	1	5	9	19	21	48	81	248	355	528	682	763	792	3553	
Patents By Year of Application:	11	38	62	41	76	194	231	287	415	399	551	622	420	187	19	3553	
<b>Alcatel Lucent</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	39	97	147	225	388	611	623	687	710	3527	
Patents By Year of Application:	33	89	155	195	256	389	427	386	425	364	389	281	111	26	1	3527	
<b>THOMSON LICENSING S.A.</b>																	
Patents By Year of Grant:	129	132	172	176	140	246	214	192	185	265	264	324	363	342	309	3453	
Patents By Year of Application:	945	326	335	298	255	275	226	202	194	176	83	71	40	24	3	3453	
<b>U.S. PHILIPS CORPORATION</b>																	
Patents By Year of Grant:	3198	215	3	2	0	2	0	0	0	1	0	2	2	1	0	3426	
Patents By Year of Application:	3423	0	0	0	0	0	1	0	2	0	0	0	0	0	0	3426	
<b>AT&amp;T CORP.</b>																	
Patents By Year of Grant:	1475	279	205	212	197	264	272	247	140	84	5	3	0	0	0	3383	
Patents By Year of Application:	2458	217	139	148	242	94	58	24	3	0	0	0	0	0	0	3383	
<b>FUJI PHOTO FILM CO., LTD</b>																	
Patents By Year of Grant:	1243	282	363	435	355	453	146	5	6	0	0	0	0	0	0	3288	
Patents By Year of Application:	2468	312	258	163	75	12	0	0	0	0	0	0	0	0	0	3288	
<b>XILINX, INC.</b>																	
Patents By Year of Grant:	519	140	130	129	168	255	229	239	257	256	201	226	200	169	166	3284	
Patents By Year of Application:	844	198	262	297	290	216	200	231	209	189	113	96	85	51	3	3284	
<b>ALTERA CORPORATION</b>																	
Patents By Year of Grant:	383	84	62	83	109	193	257	251	217	236	220	243	275	307	271	3191	
Patents By Year of Application:	569	151	218	285	269	247	207	220	176	202	205	199	164	78	1	3191	
<b>AGILENT TECHNOLOGIES, INC.</b>																	
Patents By Year of Grant:	322	236	303	538	456	376	219	207	128	95	76	68	57	55	15	3151	
Patents By Year of Application:	1150	545	458	282	241	172	83	59	54	35	32	19	17	4	0	3151	



---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>OKI ELECTRIC INDUSTRY CO., LTD.</b>																	
Patents By Year of Grant:		837	251	217	210	235	249	213	174	78	59	60	83	55	33	35	2789
Patents By Year of Application:		1434	282	273	212	170	119	71	56	63	53	16	25	13	2	0	2789
<b>LOCKHEED MARTIN CORPORATION</b>																	
Patents By Year of Grant:		382	103	111	121	137	164	167	152	151	201	208	230	224	185	151	2687
Patents By Year of Application:		732	177	200	174	158	176	168	218	179	181	143	104	56	20	1	2687
<b>Hong Fu Jin Precision Industry (Shenzhen) Co., Ltd.</b>																	
Patents By Year of Grant:		0	0	0	0	18	80	163	214	318	321	536	587	317	125	0	2679
Patents By Year of Application:		0	5	4	79	121	244	234	292	446	466	495	211	75	7	0	2679
<b>AU OPTRONICS CORP.</b>																	
Patents By Year of Grant:		0	7	29	58	79	137	147	138	192	292	341	347	338	271	0	2663
Patents By Year of Application:		48	39	160	207	195	239	245	256	281	286	295	232	129	46	5	2663
<b>HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.</b>																	
Patents By Year of Grant:		0	0	39	102	143	222	236	244	288	251	238	265	210	219	200	2657
Patents By Year of Application:		144	116	212	293	354	296	286	203	185	131	106	121	111	85	14	2657
<b>SPRINT COMMUNICATIONS COMPANY L.P.</b>																	
Patents By Year of Grant:		85	42	54	84	69	106	111	115	125	202	237	396	365	270	310	2571
Patents By Year of Application:		334	133	155	151	162	180	208	247	260	202	163	175	165	33	3	2571
<b>ROHM CO., LTD.</b>																	
Patents By Year of Grant:		539	125	110	117	102	140	122	136	107	143	195	156	166	182	221	2561
Patents By Year of Application:		842	119	139	171	183	163	116	199	103	100	134	118	114	56	4	2561
<b>CARDIAC PACEMAKERS, INC.</b>																	
Patents By Year of Grant:		177	84	86	70	96	126	140	125	150	193	263	254	300	298	167	2529
Patents By Year of Application:		462	136	174	191	215	192	147	140	182	207	181	138	122	42	0	2529
<b>NTT DOCOMO, INC.</b>																	
Patents By Year of Grant:		1	4	6	18	65	134	143	152	201	277	268	348	388	306	213	2524
Patents By Year of Application:		162	173	183	171	192	285	236	281	316	187	210	81	43	3	1	2524
<b>NVIDIA CORPORATION</b>																	
Patents By Year of Grant:		46	15	25	42	50	101	108	174	267	228	258	265	289	333	321	2522
Patents By Year of Application:		154	96	183	223	283	361	391	209	151	89	102	155	115	10	0	2522
<b>OLYMPUS CORPORATION</b>																	
Patents By Year of Grant:		0	0	3	129	106	172	185	218	209	206	215	277	226	231	308	2485
Patents By Year of Application:		97	128	176	255	268	213	194	195	182	214	187	169	143	61	3	2485

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>SAMSUNG ELECTRO-MECHANICS CO., LTD.</b>																
Patents By Year of Grant:	104	26	58	56	62	97	119	135	167	168	199	265	273	323	423	2475
Patents By Year of Application:	187	71	92	123	123	180	166	238	230	197	233	309	277	47	2	2475
<b>ADOBE SYSTEMS INCORPORATED</b>																
Patents By Year of Grant:	117	25	28	42	39	53	53	86	135	201	285	328	342	421	318	2473
Patents By Year of Application:	308	58	79	91	171	225	279	325	234	194	212	222	67	8	0	2473
<b>STMICROELECTRONICS S.R.L.</b>																
Patents By Year of Grant:	359	211	175	133	144	139	137	121	88	125	141	125	174	139	206	2417
Patents By Year of Application:	817	169	188	141	150	123	112	126	96	138	125	113	88	28	3	2417
<b>YAMAHA CORPORATION</b>																
Patents By Year of Grant:	672	91	77	83	110	135	139	161	159	143	160	159	117	103	83	2392
Patents By Year of Application:	976	143	176	144	181	142	138	135	89	100	82	44	24	18	0	2392
<b>MINOLTA CAMERA CO., LTD.</b>																
Patents By Year of Grant:	1271	182	172	191	140	164	109	48	38	32	21	8	3	0	0	2379
Patents By Year of Application:	2034	164	116	18	11	9	12	7	1	6	1	0	0	0	0	2379
<b>NXP B.V.</b>																
Patents By Year of Grant:	0	0	0	0	0	4	169	177	247	205	272	273	330	357	260	2294
Patents By Year of Application:	38	83	226	290	235	229	166	189	238	151	160	143	106	39	1	2294
<b>LSI CORPORATION</b>																
Patents By Year of Grant:	1	0	1	0	0	1	131	129	155	197	216	302	395	612	150	2290
Patents By Year of Application:	10	35	86	137	208	106	104	267	239	270	312	357	139	20	0	2290
<b>FORD GLOBAL TECHNOLOGIES, L.L.C.</b>																
Patents By Year of Grant:	292	112	85	103	82	87	74	45	62	81	110	194	234	270	426	2257
Patents By Year of Application:	519	145	96	83	58	77	100	97	151	185	177	227	260	76	6	2257
<b>SYMANTEC CORPORATION</b>																
Patents By Year of Grant:	44	6	9	6	12	19	34	63	114	165	199	322	404	420	420	2237
Patents By Year of Application:	100	29	72	102	145	110	211	286	303	280	246	215	109	29	0	2237
<b>VERIZON PATENT AND LICENSING, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	61	112	281	467	655	644	2220
Patents By Year of Application:	2	7	5	13	13	171	240	258	284	351	405	277	148	45	1	2220
<b>CYPRESS SEMICONDUCTOR CORP.</b>																
Patents By Year of Grant:	453	108	158	140	117	146	103	95	59	131	126	135	148	164	127	2210
Patents By Year of Application:	929	197	23	146	94	149	136	106	53	64	121	96	75	20	1	2210

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>ASML NETHERLANDS B.V.</b>																
Patents By Year of Grant:	20	30	33	62	82	203	195	246	180	182	143	149	184	258	204	2171
Patents By Year of Application:	104	60	153	422	225	241	134	137	208	166	158	91	49	21	2	2171
<b>ALCATEL</b>																
Patents By Year of Grant:	482	230	227	266	195	234	149	149	126	85	23	0	0	0	0	2166
Patents By Year of Application:	1382	247	189	186	103	54	3	1	1	0	0	0	0	0	0	2166
<b>UNIVERSITY OF CALIFORNIA, THE REGENTS OF</b>																
Patents By Year of Grant:	502	100	112	121	128	144	96	76	92	98	108	103	134	147	144	2105
Patents By Year of Application:	860	131	138	111	116	125	105	95	96	88	80	85	55	19	1	2105
<b>ANALOG DEVICES, INC.</b>																
Patents By Year of Grant:	361	57	105	109	113	124	136	107	78	135	117	146	178	185	131	2082
Patents By Year of Application:	562	167	109	151	118	110	105	120	133	104	142	148	96	16	1	2082
<b>JUNIPER NETWORKS, INC.</b>																
Patents By Year of Grant:	3	6	12	13	44	86	82	80	136	220	278	284	293	289	254	2080
Patents By Year of Application:	169	123	61	71	109	135	157	180	256	318	191	195	84	29	2	2080
<b>AVAYA INC.</b>																
Patents By Year of Grant:	106	89	81	71	42	70	68	74	79	199	233	228	230	259	234	2063
Patents By Year of Application:	425	102	115	154	174	186	154	171	146	144	99	118	69	6	0	2063
<b>MEDIATEK INC.</b>																
Patents By Year of Grant:	7	1	5	24	31	106	126	164	156	228	239	263	211	245	245	2051
Patents By Year of Application:	31	65	109	142	160	202	199	271	225	151	200	138	102	53	3	2051
<b>ALPS ELECTRIC CO., LTD.</b>																
Patents By Year of Grant:	580	164	197	199	173	153	143	118	75	42	52	37	40	29	36	2038
Patents By Year of Application:	1054	169	188	152	142	73	63	46	31	31	28	37	20	4	0	2038
<b>AGERE SYSTEMS INC.</b>																
Patents By Year of Grant:	10	35	247	223	144	211	171	163	189	221	152	127	73	58	1	2025
Patents By Year of Application:	703	153	157	192	196	212	155	127	63	18	20	20	9	0	0	2025
<b>YAHOO, INC.</b>																
Patents By Year of Grant:	4	5	8	4	13	30	28	67	124	290	330	267	308	291	238	2007
Patents By Year of Application:	71	21	55	91	160	283	371	295	149	190	135	115	58	9	4	2007
<b>PIONEER CORPORATION</b>																
Patents By Year of Grant:	43	118	189	224	201	248	209	150	135	135	157	105	36	21	29	2000
Patents By Year of Application:	614	311	255	184	240	175	134	20	23	13	14	8	2	6	1	2000

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
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KYOCERA CORPORATION

Patents By Year of Grant:	124	33	40	28	30	32	50	50	77	106	158	268	327	315	340	1978
Patents By Year of Application:	208	36	55	98	153	189	218	214	229	178	195	144	38	20	3	1978

KONICA MINOLTA BUSINESS TECHNOLOGIES, INC.

Patents By Year of Grant:	0	0	0	0	4	61	63	78	130	218	246	376	385	285	114	1960
Patents By Year of Application:	1	0	18	221	152	184	223	242	273	237	211	154	44	0	0	1960

SUMITOMO ELECTRIC INDUSTRIES, LTD.

Patents By Year of Grant:	340	93	102	102	109	103	87	87	88	84	104	110	149	195	191	1944
Patents By Year of Application:	571	118	151	105	101	95	78	73	96	147	144	125	104	32	4	1944

NEC ELECTRONICS CORPORATION

Patents By Year of Grant:	0	0	188	204	164	179	222	233	332	411	7	0	0	0	0	1940
Patents By Year of Application:	323	184	209	188	347	312	213	135	27	2	0	0	0	0	0	1940

AT& T Intellectual Property II, L.P.

Patents By Year of Grant:	0	0	0	0	0	0	0	37	160	282	429	301	268	315	139	1931
Patents By Year of Application:	29	44	47	90	375	194	210	216	224	94	99	151	110	46	2	1931

Microsoft Technology Licensing, LLC.

Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1914	1915
Patents By Year of Application:	0	1	1	10	8	19	39	89	124	277	449	423	319	146	10	1915

SCHLUMBERGER TECHNOLOGY CORPORATION

Patents By Year of Grant:	232	54	79	78	79	93	76	81	115	145	138	152	186	215	166	1889
Patents By Year of Application:	414	121	109	80	95	136	191	163	208	163	88	68	46	7	0	1889

SAMSUNG SDI CO., LTD.

Patents By Year of Grant:	13	68	70	100	69	102	230	339	285	190	91	89	65	54	82	1847
Patents By Year of Application:	197	102	136	336	379	228	140	80	54	85	53	43	13	1	0	1847

HARRIS CORP.

Patents By Year of Grant:	505	76	70	85	118	85	80	80	96	102	113	114	120	99	96	1839
Patents By Year of Application:	699	119	148	80	80	139	137	101	88	53	76	73	34	11	1	1839

CASIO COMPUTER CO. LTD.

Patents By Year of Grant:	393	48	31	33	26	43	57	79	143	136	124	167	191	176	175	1822
Patents By Year of Application:	521	33	61	91	104	109	122	94	137	140	162	116	106	22	4	1822

ERICSSON, INC.

Patents By Year of Grant:	1128	247	178	109	59	46	24	8	2	1	1	2	0	2	1	1808
Patents By Year of Application:	1756	33	8	5	0	2	1	1	0	0	0	1	1	0	0	1808

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>Oracle America, Inc.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	438	456	410	254	152	79	1789	
Patents By Year of Application:	30	32	56	142	195	314	282	323	279	63	48	22	2	1	0	1789	
<b>INTERDIGITAL TECHNOLOGY CORPORATION</b>																	
Patents By Year of Grant:	108	40	54	103	106	181	137	135	158	140	146	149	124	111	82	1774	
Patents By Year of Application:	253	246	168	193	197	140	135	134	74	37	64	66	41	25	1	1774	
<b>OLYMPUS OPTICAL CO., LTD.</b>																	
Patents By Year of Grant:	1120	205	170	91	66	48	22	13	13	6	4	2	2	0	0	1762	
Patents By Year of Application:	1574	91	47	15	13	9	5	2	0	4	2	0	0	0	0	1762	
<b>STMICROELECTRONICS S.A.</b>																	
Patents By Year of Grant:	175	116	123	128	123	146	140	129	137	158	119	79	73	57	58	1761	
Patents By Year of Application:	532	184	173	159	139	158	128	80	43	45	48	36	23	12	1	1761	
<b>NCR CORPORATION</b>																	
Patents By Year of Grant:	591	138	136	112	75	105	95	71	66	44	41	59	72	81	72	1758	
Patents By Year of Application:	1117	121	44	52	73	51	52	57	41	48	45	37	17	2	1	1758	
<b>KONINKLIJKE PHILIPS N.V.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	368	665	713	1746	
Patents By Year of Application:	7	10	20	32	39	66	111	177	360	438	236	151	75	23	1	1746	
<b>SK Hynix Inc.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	70	247	625	747	1689	
Patents By Year of Application:	0	0	0	0	0	0	3	18	24	155	260	579	415	217	18	1689	
<b>VIA TECHNOLOGIES, INC.</b>																	
Patents By Year of Grant:	35	42	48	104	117	179	182	161	177	143	114	78	97	108	80	1665	
Patents By Year of Application:	179	176	170	204	165	233	145	79	75	72	67	47	42	10	1	1665	
<b>MACRONIX INTERNATIONAL CO., LTD.</b>																	
Patents By Year of Grant:	114	43	76	68	57	73	92	104	110	145	157	146	125	149	201	1660	
Patents By Year of Application:	205	103	71	90	113	149	165	121	115	136	122	121	88	59	2	1660	
<b>LG. PHILIPS LCD CO., LTD.</b>																	
Patents By Year of Grant:	52	106	166	238	264	302	333	189	0	1	0	0	1	0	0	1652	
Patents By Year of Application:	593	296	326	309	94	27	7	0	0	0	0	0	0	0	0	1652	
<b>ADVANTEST CORP.</b>																	
Patents By Year of Grant:	353	108	81	67	50	76	90	106	111	134	118	107	108	81	57	1647	
Patents By Year of Application:	594	55	76	94	113	113	129	120	122	88	85	35	21	1	1	1647	





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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>CADENCE DESIGN SYSTEMS, INC.</b>																	
Patents By Year of Grant:	60	21	41	55	94	117	57	68	91	127	130	154	177	171	138	1501	
Patents By Year of Application:	203	178	85	56	75	126	135	134	99	107	93	109	64	36	1	1501	
<b>WESTERN DIGITAL TECHNOLOGIES, INC.</b>																	
Patents By Year of Grant:	12	36	56	80	113	101	54	52	53	58	78	97	146	258	281	1475	
Patents By Year of Application:	164	105	85	92	70	48	51	81	81	127	153	160	154	93	11	1475	
<b>UNITED MICROELECTRONICS CORPORATION</b>																	
Patents By Year of Grant:	458	75	62	27	40	44	50	53	52	76	64	61	106	145	155	1468	
Patents By Year of Application:	592	44	35	65	62	47	75	89	55	46	104	106	103	40	5	1468	
<b>SEIKO INSTRUMENTS INC.</b>																	
Patents By Year of Grant:	339	108	110	95	43	49	50	44	73	77	90	109	103	84	82	1456	
Patents By Year of Application:	599	71	58	43	60	67	78	83	82	94	78	71	48	23	1	1456	
<b>NOKIA MOBILE PHONES LTD.</b>																	
Patents By Year of Grant:	672	193	192	161	103	93	16	5	5	3	0	0	2	1	0	1446	
Patents By Year of Application:	1402	19	8	10	5	0	0	1	0	1	0	0	0	0	0	1446	
<b>PACESETTER, INC.</b>																	
Patents By Year of Grant:	266	70	66	75	71	90	105	65	69	119	89	116	94	81	63	1439	
Patents By Year of Application:	482	116	79	101	101	111	123	55	60	59	54	51	32	14	1	1439	
<b>UNISYS CORPORATION</b>																	
Patents By Year of Grant:	591	106	84	109	82	102	77	87	51	38	23	18	13	23	24	1428	
Patents By Year of Application:	993	106	116	61	39	25	11	16	11	8	13	16	13	0	0	1428	
<b>SHARP LABORATORIES OF AMERICA, INC.</b>																	
Patents By Year of Grant:	74	46	59	54	72	111	117	106	77	117	166	157	119	81	69	1425	
Patents By Year of Application:	346	86	129	144	140	109	139	95	53	63	53	42	21	5	0	1425	
<b>LG INNOTEK CO., LTD</b>																	
Patents By Year of Grant:	0	0	0	0	1	1	3	9	14	52	121	195	308	372	345	1421	
Patents By Year of Application:	0	0	6	13	19	30	64	93	108	246	370	230	168	72	2	1421	
<b>HITACHI HIGH-TECHNOLOGIES CORPORATION</b>																	
Patents By Year of Grant:	0	0	3	18	31	65	67	113	112	154	160	181	162	185	152	1403	
Patents By Year of Application:	3	21	53	84	95	122	158	165	194	179	146	113	53	17	0	1403	
<b>ROCKWELL AUTOMATION TECHNOLOGIES, INC.</b>																	
Patents By Year of Grant:	8	48	55	54	49	80	84	69	104	148	143	116	121	133	142	1354	
Patents By Year of Application:	187	60	97	96	123	139	126	125	58	112	85	83	49	14	0	1354	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>APPLIED MATERIALS, INC.</b>																
Patents By Year of Grant:	255	106	116	77	79	88	61	71	67	83	64	77	60	75	67	1346
Patents By Year of Application:	541	103	65	79	77	72	92	73	38	57	65	41	27	16	0	1346
<b>RAMBUS, INC.</b>																
Patents By Year of Grant:	112	41	55	63	58	100	85	68	79	70	83	128	129	105	165	1341
Patents By Year of Application:	265	57	82	112	105	63	67	98	97	88	77	101	75	41	13	1341
<b>HYUNDAI ELECTRONICS INDUSTRIES CO., LTD.</b>																
Patents By Year of Grant:	947	188	93	72	14	9	2	1	0	0	0	0	0	0	0	1326
Patents By Year of Application:	1295	20	4	3	2	2	0	0	0	0	0	0	0	0	0	1326
<b>AT&amp; T Mobility II LLC</b>																
Patents By Year of Grant:	0	0	0	0	0	0	8	69	74	84	132	191	278	267	205	1308
Patents By Year of Application:	16	23	36	61	68	92	126	180	179	85	87	155	128	65	7	1308
<b>3COM CORPORATION</b>																
Patents By Year of Grant:	478	158	190	181	87	83	33	34	31	22	0	0	0	0	0	1297
Patents By Year of Application:	1155	63	40	21	10	6	1	1	0	0	0	0	0	0	0	1297
<b>CORNING INCORPORATED</b>																
Patents By Year of Grant:	214	134	129	117	58	71	57	43	53	67	62	66	75	71	70	1287
Patents By Year of Application:	506	124	71	55	52	44	68	65	88	59	53	48	41	13	0	1287
<b>ROCKWELL COLLINS, INC.</b>																
Patents By Year of Grant:	74	73	57	52	37	50	53	59	115	96	92	94	124	155	144	1275
Patents By Year of Application:	270	47	60	79	88	104	102	94	78	89	116	93	46	7	2	1275
<b>CATERPILLAR INC.</b>																
Patents By Year of Grant:	306	39	27	39	42	41	46	41	53	60	90	111	88	128	157	1268
Patents By Year of Application:	410	61	36	47	56	66	111	120	32	49	79	124	66	11	0	1268
<b>SYNOPSIS INC.</b>																
Patents By Year of Grant:	108	31	20	21	35	37	65	57	67	78	136	141	165	192	114	1267
Patents By Year of Application:	202	46	37	65	76	67	103	129	124	90	91	93	107	37	0	1267
<b>SPRINT SPECTRUM L.P.</b>																
Patents By Year of Grant:	1	0	9	13	28	78	74	67	73	93	142	169	161	162	192	1262
Patents By Year of Application:	70	83	84	105	92	78	98	96	122	117	85	107	104	20	1	1262
<b>NORTHROP GRUMMAN CORPORATION</b>																
Patents By Year of Grant:	433	55	107	133	112	128	98	85	73	28	4	0	2	0	0	1258
Patents By Year of Application:	722	100	148	94	106	68	13	3	3	1	0	0	0	0	0	1258

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>TOKYO ELECTRON LIMITED</b>																	
Patents By Year of Grant:	174	46	38	58	63	89	73	72	108	122	113	91	69	74	60	1250	
Patents By Year of Application:	294	73	100	83	69	116	143	124	67	48	61	45	23	4	0	1250	
<b>OKIDATA CORPORATION</b>																	
Patents By Year of Grant:	110	20	25	23	28	38	48	59	41	86	109	169	155	166	150	1227	
Patents By Year of Application:	164	30	51	65	72	77	81	130	135	120	83	93	79	44	3	1227	
<b>ASAHI KOGAKU KOGYO KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	1032	184	6	4	0	0	0	0	0	0	0	0	0	0	0	1226	
Patents By Year of Application:	1225	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1226	
<b>MARVELL WORLD TRADE LTD.</b>																	
Patents By Year of Grant:	0	0	0	0	6	9	23	34	45	83	94	119	184	306	309	1212	
Patents By Year of Application:	0	3	18	25	35	83	91	98	94	103	137	231	188	100	6	1212	
<b>CIRRUS LOGIC, INC.</b>																	
Patents By Year of Grant:	563	84	83	44	45	40	62	42	33	44	24	24	31	25	64	1208	
Patents By Year of Application:	769	42	40	43	52	54	40	34	30	13	24	21	38	7	1	1208	
<b>FUJINON CORPORATION (FORMERLY FUJI PHOTO OPTICAL CO. LTD.)</b>																	
Patents By Year of Grant:	390	80	90	94	64	74	68	66	93	93	71	16	5	2	0	1206	
Patents By Year of Application:	559	100	87	74	73	92	86	70	57	7	1	0	0	0	0	1206	
<b>Motorola-Mobility, Inc.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	51	240	317	306	281	11	1206	
Patents By Year of Application:	7	14	18	26	47	142	213	214	192	116	113	92	12	0	0	1206	
<b>NIPPON TELEGRAPH &amp; TELEPHONE CORP.</b>																	
Patents By Year of Grant:	353	45	53	58	45	72	60	51	59	64	58	51	90	66	78	1203	
Patents By Year of Application:	539	79	68	98	70	47	53	59	52	53	42	37	4	2	0	1203	
<b>STMICROELECTRONICS, INC.</b>																	
Patents By Year of Grant:	291	74	91	82	52	71	59	58	28	51	47	53	82	91	71	1201	
Patents By Year of Application:	565	74	74	84	34	40	36	36	56	84	32	38	35	13	0	1201	
<b>SIEMENS MEDICAL SOLUTIONS USA, INC.</b>																	
Patents By Year of Grant:	1	20	19	23	22	21	45	132	135	193	162	158	114	83	72	1200	
Patents By Year of Application:	65	48	40	86	165	193	174	107	108	72	66	45	19	11	1	1200	
<b>VICTOR COMPANY OF JAPAN, LIMITED</b>																	
Patents By Year of Grant:	381	54	61	79	69	84	78	89	81	77	67	55	10	3	0	1188	
Patents By Year of Application:	599	53	89	84	66	73	83	64	52	16	8	1	0	0	0	1188	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>RED HAT, INC.</b>																
Patents By Year of Grant:	0	0	0	1	3	4	1	9	19	77	104	172	235	292	253	1170
Patents By Year of Application:	10	0	7	7	31	105	218	211	195	184	90	59	41	12	0	1170
<b>Panasonic Intellectual Property Management Co., Ltd.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1155	1160
Patents By Year of Application:	0	0	0	2	2	3	7	6	30	84	205	330	317	161	13	1160
<b>OMRON CORPORATION</b>																
Patents By Year of Grant:	153	32	37	59	65	87	96	79	68	75	57	77	97	75	99	1156
Patents By Year of Application:	272	73	100	75	75	126	72	71	60	61	89	36	35	11	0	1156
<b>KOITO MANUFACTURING COMPANY LIMITED</b>																
Patents By Year of Grant:	260	75	85	58	49	63	82	68	52	63	50	60	58	67	64	1154
Patents By Year of Application:	406	76	76	68	89	64	62	56	72	45	47	50	35	7	1	1154
<b>Fujitsu Semiconductor Limited</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	141	274	222	255	188	72	1152
Patents By Year of Application:	1	0	3	11	39	92	115	195	199	159	154	103	56	23	2	1152
<b>THALES</b>																
Patents By Year of Grant:	0	0	12	24	37	45	54	60	71	81	93	165	207	159	135	1143
Patents By Year of Application:	36	77	77	65	77	91	108	119	133	148	96	66	37	12	1	1143
<b>ELPIDA MEMORY, INC.</b>																
Patents By Year of Grant:	0	0	1	19	45	39	74	82	107	194	160	165	221	34	1	1142
Patents By Year of Application:	7	28	48	55	63	134	147	166	152	160	111	60	11	0	0	1142
<b>NetApp, Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	15	75	147	194	177	163	193	162	1126
Patents By Year of Application:	9	28	26	47	89	103	120	183	125	117	91	67	78	41	2	1126
<b>SANDISK CORPORATION</b>																
Patents By Year of Grant:	83	20	34	35	61	77	124	201	214	148	104	4	9	3	2	1119
Patents By Year of Application:	164	63	69	90	165	252	165	78	45	14	6	4	3	1	0	1119
<b>HITACHI DISPLAYS, LTD.</b>																
Patents By Year of Grant:	0	0	0	2	13	47	61	84	93	167	219	234	188	9	0	1117
Patents By Year of Application:	1	2	62	91	90	121	164	191	157	106	87	41	4	0	0	1117
<b>REALTEK SEMICONDUCTOR CORPORATION</b>																
Patents By Year of Grant:	8	3	6	11	23	50	76	64	122	106	104	137	132	122	138	1102
Patents By Year of Application:	24	26	46	87	106	109	160	100	113	68	85	80	57	39	2	1102

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>ADC TELECOMMUNICATIONS, INC.</b>																	
Patents By Year of Grant:	84	48	61	59	52	52	52	98	106	106	85	81	81	69	65	1099	
Patents By Year of Application:	263	58	31	39	62	77	125	103	102	70	76	62	22	9	0	1099	
<b>Alcatel-Lucent USA Inc.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	27	401	437	216	4	0	0	0	1085	
Patents By Year of Application:	39	41	139	200	241	223	120	50	23	9	0	0	0	0	0	1085	
<b>BRITISH TELECOMMUNICATION, PLC</b>																	
Patents By Year of Grant:	386	55	46	31	31	40	56	45	47	52	58	61	58	62	55	1083	
Patents By Year of Application:	662	58	48	35	38	50	61	40	33	28	20	7	2	1	0	1083	
<b>LEXMARK INTERNATIONAL, INC.</b>																	
Patents By Year of Grant:	176	39	47	43	38	61	90	76	77	90	75	76	41	69	77	1075	
Patents By Year of Application:	296	48	61	127	109	84	70	63	43	33	31	54	32	22	2	1075	
<b>DELTA ELECTRONICS INC.</b>																	
Patents By Year of Grant:	47	34	48	60	46	69	72	63	76	74	92	68	89	126	109	1073	
Patents By Year of Application:	127	52	84	82	72	84	77	84	68	89	81	103	53	16	1	1073	
<b>ARM LIMITED</b>																	
Patents By Year of Grant:	85	15	13	16	24	59	60	66	61	100	105	96	122	101	134	1057	
Patents By Year of Application:	149	35	70	80	79	79	69	83	85	90	110	69	49	10	0	1057	
<b>FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.</b>																	
Patents By Year of Grant:	111	40	28	34	25	35	34	39	36	61	81	128	124	156	115	1047	
Patents By Year of Application:	230	47	37	36	63	75	109	93	68	59	106	80	37	7	0	1047	
<b>HAMAMATSU PHOTONICS KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	197	23	46	38	48	67	48	48	65	83	68	69	82	83	81	1046	
Patents By Year of Application:	300	77	68	98	70	64	61	57	62	77	55	33	22	2	0	1046	
<b>UNITED STATES OF AMERICA, ARMY</b>																	
Patents By Year of Grant:	391	46	36	34	37	61	47	35	43	51	37	61	50	55	61	1045	
Patents By Year of Application:	494	40	41	65	65	36	40	33	42	43	47	54	34	11	0	1045	
<b>CALIFORNIA INSTITUTE OF TECHNOLOGY</b>																	
Patents By Year of Grant:	222	45	65	60	59	65	52	49	43	61	54	63	57	59	65	1019	
Patents By Year of Application:	406	60	57	51	61	66	44	60	34	50	46	35	38	9	2	1019	
<b>EBAY INC.</b>																	
Patents By Year of Grant:	1	2	2	3	2	9	6	19	23	81	110	139	203	236	177	1013	
Patents By Year of Application:	54	17	27	47	28	69	94	81	86	120	131	156	71	26	6	1013	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY, LLC</b>																
Patents By Year of Grant:	23	127	118	152	125	109	68	74	60	46	28	18	23	18	20	1009
Patents By Year of Application:	328	199	155	81	38	50	44	38	19	21	17	13	6	0	0	1009
<b>KYOCERA Document Solutions Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	38	99	297	575	1009
Patents By Year of Application:	0	0	0	0	0	4	8	15	43	52	113	151	307	281	35	1009
<b>BANK OF AMERICA CORPORATION</b>																
Patents By Year of Grant:	1	2	0	1	1	2	6	2	15	26	71	159	260	227	228	1001
Patents By Year of Application:	8	6	12	22	18	28	65	133	124	161	143	174	76	27	4	1001
<b>ATMEL CORPORATION</b>																
Patents By Year of Grant:	88	8	11	30	21	37	72	71	65	85	78	90	99	107	126	988
Patents By Year of Application:	109	18	42	48	100	136	83	65	91	58	85	94	46	13	0	988
<b>INTERNATIONAL RECTIFIER CORPORATION</b>																
Patents By Year of Grant:	145	37	42	55	53	57	72	78	76	45	64	56	69	65	65	979
Patents By Year of Application:	230	52	80	71	101	88	96	80	24	20	59	24	38	16	0	979
<b>FRANCE TELECOM</b>																
Patents By Year of Grant:	233	19	22	33	18	30	43	44	51	82	73	93	119	64	49	973
Patents By Year of Application:	362	56	47	84	73	87	94	58	42	40	22	6	2	0	0	973
<b>STANFORD UNIVERSITY</b>																
Patents By Year of Grant:	210	43	35	43	43	47	44	63	53	59	53	79	65	62	71	970
Patents By Year of Application:	341	46	54	50	41	61	72	59	43	60	57	50	24	11	1	970
<b>CREE, INC.</b>																
Patents By Year of Grant:	8	7	8	13	21	20	25	33	42	72	91	86	157	194	181	958
Patents By Year of Application:	32	19	29	45	54	67	115	57	89	92	149	102	88	20	0	958
<b>SILICON LABORATORIES INC.</b>																
Patents By Year of Grant:	35	19	20	32	27	56	90	91	69	72	82	83	95	94	91	956
Patents By Year of Application:	110	34	68	80	102	95	63	74	60	78	65	71	43	11	2	956
<b>BAKER HUGHES INCORPORATED</b>																
Patents By Year of Grant:	78	39	38	30	39	30	62	65	62	89	69	84	85	100	84	954
Patents By Year of Application:	169	41	44	48	65	56	119	113	66	66	95	50	21	1	0	954
<b>PITNEY-BOWES, INC.</b>																
Patents By Year of Grant:	305	46	48	68	68	59	41	57	44	58	54	39	24	20	17	948
Patents By Year of Application:	547	71	70	50	49	53	38	25	16	10	7	9	2	1	0	948

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>SanDisk Technologies Inc.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	67	150	163	237	331	948	
Patents By Year of Application:	0	1	2	5	21	23	47	54	89	91	158	156	185	110	6	948	
<b>FUTUREWEI TECHNOLOGIES, INC.</b>																	
Patents By Year of Grant:	0	0	0	1	2	1	3	2	8	31	54	97	156	258	334	947	
Patents By Year of Application:	5	0	1	7	4	22	79	58	84	141	177	203	137	29	0	947	
<b>COMMISSARIAT A L'ENERGIE ATOMIQUE</b>																	
Patents By Year of Grant:	224	43	31	47	47	46	43	55	63	96	94	92	37	21	7	946	
Patents By Year of Application:	347	60	76	62	76	62	98	95	56	11	1	0	1	1	0	946	
<b>FINISAR CORPORATION</b>																	
Patents By Year of Grant:	5	5	22	43	86	105	99	102	98	98	69	63	33	51	50	929	
Patents By Year of Application:	82	106	152	126	128	45	70	99	16	22	17	36	23	6	1	929	
<b>FURUKAWA ELECTRIC CO., LTD.</b>																	
Patents By Year of Grant:	139	49	93	103	71	54	34	27	41	55	47	51	56	42	66	928	
Patents By Year of Application:	331	107	61	31	39	35	35	68	56	34	39	43	38	10	1	928	
<b>TEKTRONIX INC.</b>																	
Patents By Year of Grant:	277	50	50	52	44	33	47	44	40	44	41	46	50	55	55	928	
Patents By Year of Application:	426	54	44	47	59	53	36	37	35	35	38	38	20	6	0	928	
<b>GENERAL MOTORS CORPORATION</b>																	
Patents By Year of Grant:	276	48	54	71	87	147	113	75	53	2	0	0	0	0	0	926	
Patents By Year of Application:	399	110	157	181	62	14	3	0	0	0	0	0	0	0	0	926	
<b>MITSUBISHI ELECTRIC RESEARCH LABORATORIES, INC.</b>																	
Patents By Year of Grant:	29	31	46	40	45	74	49	85	59	65	56	103	84	77	80	923	
Patents By Year of Application:	192	59	72	66	62	48	53	38	96	67	60	60	40	9	1	923	
<b>BELLSOUTH INTELLECTUAL PROPERTY CORPORATION</b>																	
Patents By Year of Grant:	54	46	82	167	165	288	113	3	1	1	2	0	0	0	0	922	
Patents By Year of Application:	524	220	102	53	16	7	0	0	0	0	0	0	0	0	0	922	
<b>DIGIMARC CORPORATION</b>																	
Patents By Year of Grant:	37	27	50	51	34	75	59	55	59	65	105	96	76	67	57	913	
Patents By Year of Application:	224	74	51	47	55	54	87	54	65	75	51	30	36	10	0	913	
<b>SONY ERICSSON MOBILE COMMUNICATIONS AB</b>																	
Patents By Year of Grant:	0	0	0	4	9	34	46	63	129	198	228	170	26	0	1	908	
Patents By Year of Application:	3	29	78	103	105	205	163	132	60	20	7	3	0	0	0	908	



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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>SONY COMPUTER ENTERTAINMENT INC.</b>																
Patents By Year of Grant:	23	33	44	62	40	56	48	46	63	107	119	128	49	55	34	907
Patents By Year of Application:	219	62	29	59	114	123	91	37	61	52	29	20	6	5	0	907
<b>FUJI ELECTRIC CO., LTD.</b>																
Patents By Year of Grant:	305	45	47	48	27	16	6	3	1	0	9	69	73	108	148	905
Patents By Year of Application:	404	49	34	5	5	2	8	21	45	60	85	85	64	36	2	905
<b>Samsung Mobile Display Co., Ltd.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	151	248	310	193	1	0	2	905
Patents By Year of Application:	0	1	3	61	173	209	157	132	123	33	12	1	0	0	0	905
<b>TRIMBLE NAVIGATION, LTD.</b>																
Patents By Year of Grant:	342	46	38	30	20	22	34	22	36	32	45	48	65	55	69	904
Patents By Year of Application:	450	19	37	26	38	37	46	51	42	36	48	39	30	5	0	904
<b>HYUNDAI MOTOR COMPANY</b>																
Patents By Year of Grant:	60	24	14	25	30	33	23	19	14	34	35	55	90	161	277	894
Patents By Year of Application:	106	31	40	20	27	19	32	56	52	65	103	162	155	26	0	894
<b>SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC</b>																
Patents By Year of Grant:	20	43	23	26	20	28	26	34	53	62	75	97	73	136	162	878
Patents By Year of Application:	86	29	33	36	54	71	66	95	58	82	85	95	59	29	0	878
<b>KYOCERA MITA CORPORATION</b>																
Patents By Year of Grant:	20	11	6	13	8	21	31	88	121	155	130	126	93	39	10	872
Patents By Year of Application:	45	13	19	25	91	134	149	144	111	70	61	8	1	1	0	872
<b>NATIONAL INSTRUMENTS CORPORATION</b>																
Patents By Year of Grant:	135	26	23	29	42	73	42	43	59	56	56	71	88	66	49	858
Patents By Year of Application:	285	83	39	48	45	45	57	23	81	36	43	36	27	10	0	858
<b>WISTRON CORPORATION</b>																
Patents By Year of Grant:	0	0	11	20	19	8	11	13	11	16	50	75	92	232	299	857
Patents By Year of Application:	8	28	19	11	12	8	21	45	76	78	97	238	157	58	1	857
<b>BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC.</b>																
Patents By Year of Grant:	6	48	32	55	52	51	72	35	55	45	83	77	63	82	94	850
Patents By Year of Application:	98	74	79	59	69	50	28	65	87	45	64	87	32	10	3	850
<b>DAI NIPPON PRINTING CO. LTD</b>																
Patents By Year of Grant:	153	25	40	53	38	48	47	42	52	62	57	58	62	54	56	847
Patents By Year of Application:	252	53	74	59	64	62	68	40	30	47	49	23	15	9	2	847

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>NITTO DENKO CORPORATION</b>																	
Patents By Year of Grant:	43	23	32	44	42	47	39	50	57	53	66	79	94	94	83	846	
Patents By Year of Application:	136	56	44	50	47	52	53	74	81	61	81	63	40	8	0	846	
<b>AOL LLC</b>																	
Patents By Year of Grant:	20	14	17	26	18	54	82	87	80	104	127	77	40	49	42	837	
Patents By Year of Application:	174	91	103	76	44	90	53	48	31	41	34	23	21	6	2	837	
<b>SHENZHEN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO., LTD.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	2	81	353	400	836	
Patents By Year of Application:	0	0	0	0	0	1	0	0	1	37	289	382	105	21	0	836	
<b>PIIONEER ELECTRONIC CORPORATION</b>																	
Patents By Year of Grant:	676	63	33	26	11	8	5	7	3	3	0	0	0	0	0	835	
Patents By Year of Application:	803	15	8	7	1	1	0	0	0	0	0	0	0	0	0	835	
<b>TRW INC.</b>																	
Patents By Year of Grant:	590	137	68	24	9	6	0	0	0	0	0	0	0	0	0	834	
Patents By Year of Application:	819	15	0	0	0	0	0	0	0	0	0	0	0	0	0	834	
<b>UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION</b>																	
Patents By Year of Grant:	216	32	37	46	41	38	37	28	46	55	56	62	46	48	45	833	
Patents By Year of Application:	312	45	48	41	43	60	41	44	56	43	43	35	16	6	0	833	
<b>FACEBOOK, INC.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	7	8	45	125	275	371	831	
Patents By Year of Application:	1	1	3	5	0	12	16	19	38	86	169	302	121	56	2	831	
<b>Invention Science Fund I, LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	67	125	223	160	150	106	831	
Patents By Year of Application:	0	0	0	9	70	113	105	175	174	103	40	23	15	3	1	831	
<b>NUANCE COMMUNICATIONS, INC.</b>																	
Patents By Year of Grant:	5	1	5	5	4	7	11	3	27	71	103	121	135	180	146	824	
Patents By Year of Application:	31	17	19	28	63	68	103	129	43	49	82	106	62	24	0	824	
<b>ILLINOIS TOOL WORKS INC.</b>																	
Patents By Year of Grant:	132	38	53	59	42	49	55	48	17	38	28	40	69	82	73	823	
Patents By Year of Application:	232	71	69	62	63	65	48	52	30	37	33	26	20	14	1	823	
<b>CIENA CORPORATION</b>																	
Patents By Year of Grant:	72	30	33	41	56	76	56	39	31	64	55	64	51	79	69	816	
Patents By Year of Application:	283	57	55	51	25	41	57	56	36	45	36	50	19	5	0	816	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>KONICA CORPORATION</b>																
Patents By Year of Grant:	353	80	61	96	62	62	43	22	10	5	9	0	0	0	0	803
Patents By Year of Application:	552	109	104	5	11	5	10	5	1	1	0	0	0	0	0	803
<b>GLOBALFOUNDRIES Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	10	82	80	73	71	118	367	801
Patents By Year of Application:	4	7	7	13	22	28	75	55	40	41	51	102	237	105	14	801
<b>WINBOND ELECTRONICS CORP.</b>																
Patents By Year of Grant:	307	80	57	76	54	57	43	23	9	8	12	6	10	17	42	801
Patents By Year of Application:	486	86	53	40	24	17	13	5	8	5	14	14	18	17	1	801
<b>GENERAL INSTRUMENT CORPORATION</b>																
Patents By Year of Grant:	153	28	33	49	52	60	52	48	34	70	41	58	67	38	15	798
Patents By Year of Application:	341	65	48	58	61	42	63	45	30	15	9	12	9	0	0	798
<b>HTC CORPORATION</b>																
Patents By Year of Grant:	0	1	0	0	0	0	0	0	15	22	38	120	153	206	242	797
Patents By Year of Application:	1	1	1	1	8	15	28	115	117	105	157	138	92	17	1	797
<b>MITSUMI ELECTRIC CO., LTD.</b>																
Patents By Year of Grant:	182	39	43	42	35	49	37	45	48	44	38	42	45	59	45	793
Patents By Year of Application:	277	49	31	61	55	37	60	46	52	29	48	28	15	5	0	793
<b>INTEGRATED DEVICE TECHNOLOGY, INC.</b>																
Patents By Year of Grant:	189	18	23	24	34	51	44	34	48	79	58	67	57	36	28	790
Patents By Year of Application:	253	35	40	48	51	70	66	65	48	48	28	25	10	3	0	790
<b>MCAFEE, INC.</b>																
Patents By Year of Grant:	0	0	0	0	9	65	52	27	31	62	62	83	153	147	99	790
Patents By Year of Application:	104	64	21	34	44	71	99	51	53	46	95	71	29	8	0	790
<b>DAEWOO ELECTRONICS COMPANY, LTD.</b>																
Patents By Year of Grant:	712	11	1	3	11	11	8	12	8	7	3	0	0	0	0	787
Patents By Year of Application:	726	7	6	21	9	12	5	1	0	0	0	0	0	0	0	787
<b>FAIRCHILD SEMICONDUCTOR CORPORATION</b>																
Patents By Year of Grant:	42	39	35	48	35	30	19	29	50	82	83	72	67	90	65	786
Patents By Year of Application:	132	43	44	31	28	38	64	98	66	62	78	58	42	2	0	786
<b>CITRIX SYSTEMS, INC.</b>																
Patents By Year of Grant:	19	6	2	10	6	7	3	7	18	48	65	107	125	187	173	783
Patents By Year of Application:	56	7	5	31	50	61	63	40	113	97	55	92	98	14	1	783

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>THE MATH WORKS, INC.</b>																	
Patents By Year of Grant:	0	0	0	0	3	10	13	32	54	73	99	105	112	173	108	782	
Patents By Year of Application:	23	4	46	61	70	71	124	55	44	57	81	74	60	11	1	782	
<b>NGK INSULATORS LTD.</b>																	
Patents By Year of Grant:	167	54	56	50	41	45	43	49	48	38	35	25	40	41	38	770	
Patents By Year of Application:	297	57	51	39	53	35	49	29	29	38	32	34	15	12	0	770	
<b>AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC.</b>																	
Patents By Year of Grant:	13	1	2	8	4	24	38	64	75	100	109	130	103	68	30	769	
Patents By Year of Application:	51	34	41	74	62	67	100	51	47	59	89	68	17	9	0	769	
<b>PALO ALTO RESEARCH CENTER INCORPORATED</b>																	
Patents By Year of Grant:	0	0	1	1	7	34	36	44	53	100	95	117	102	97	82	769	
Patents By Year of Application:	1	22	56	74	56	64	86	83	95	74	60	58	28	12	0	769	
<b>SPANSION LLC</b>																	
Patents By Year of Grant:	0	0	0	2	3	40	81	66	68	95	100	89	88	107	26	765	
Patents By Year of Application:	1	5	14	54	109	130	112	118	44	58	54	43	21	2	0	765	
<b>VMWARE, INC.</b>																	
Patents By Year of Grant:	0	2	0	7	4	8	10	9	21	37	53	107	116	163	226	763	
Patents By Year of Application:	14	7	16	20	11	52	46	95	86	88	86	122	93	24	3	763	
<b>STATS CHIPPAK LTD.</b>																	
Patents By Year of Grant:	0	0	0	0	1	2	14	20	33	77	121	118	141	115	116	758	
Patents By Year of Application:	0	0	0	4	22	108	93	109	84	110	108	70	37	13	0	758	
<b>Avago Technologies General IP (Singapore) Pte. Ltd.</b>																	
Patents By Year of Grant:	0	0	0	0	0	39	76	54	52	47	16	5	81	106	276	752	
Patents By Year of Application:	12	16	44	50	71	82	16	17	23	55	82	114	111	57	2	752	
<b>INVENTEC CORPORATION</b>																	
Patents By Year of Grant:	43	27	24	22	29	38	76	110	93	60	66	35	56	60	11	750	
Patents By Year of Application:	116	24	39	39	70	111	106	53	45	47	59	41	0	0	0	750	
<b>OSRAM OPTO SEMICONDUCTORS GMBH</b>																	
Patents By Year of Grant:	1	4	13	21	32	25	28	44	48	48	49	75	109	119	132	748	
Patents By Year of Application:	32	52	49	46	73	52	58	97	78	64	78	42	17	10	0	748	
<b>HRL LABORATORIES, LLC</b>																	
Patents By Year of Grant:	13	31	45	41	42	54	60	54	45	70	59	56	52	47	74	743	
Patents By Year of Application:	131	47	60	84	51	53	43	64	54	38	27	40	39	12	0	743	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>NOVELL, INC.</b>																
Patents By Year of Grant:	163	22	27	24	14	25	29	29	39	84	48	58	60	66	54	742
Patents By Year of Application:	275	42	38	32	35	46	51	46	68	48	38	14	8	1	0	742
<b>LENOVO (SINGAPORE) PTE LTD</b>																
Patents By Year of Grant:	0	0	0	0	9	75	89	71	59	67	54	77	60	79	97	737
Patents By Year of Application:	67	45	88	65	59	66	46	81	41	55	49	45	26	4	0	737
<b>Motorola Solutions, Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	93	198	146	150	135	722
Patents By Year of Application:	1	3	0	5	15	33	111	130	99	97	87	83	53	4	1	722
<b>SHIMADZU CORPORATION</b>																
Patents By Year of Grant:	104	30	39	22	22	43	30	30	34	38	39	75	70	74	71	721
Patents By Year of Application:	176	26	29	45	51	66	75	66	37	28	54	35	20	12	1	721
<b>SANDIA CORPORATION</b>																
Patents By Year of Grant:	174	43	44	36	26	33	30	42	27	37	27	45	41	54	61	720
Patents By Year of Application:	283	28	41	34	36	41	35	33	33	37	40	25	36	15	3	720
<b>MAXIM INTEGRATED PRODUCTS, INC.</b>																
Patents By Year of Grant:	117	31	20	12	16	23	15	10	16	42	38	69	71	111	123	714
Patents By Year of Application:	176	16	23	16	31	24	28	44	54	46	92	86	44	29	5	714
<b>FANUC LTD.</b>																
Patents By Year of Grant:	265	27	20	23	42	68	61	41	31	42	53	27	9	2	1	712
Patents By Year of Application:	327	28	50	64	69	54	35	42	20	21	1	0	0	1	0	712
<b>HUGHES ELECTRONICS CORP.</b>																
Patents By Year of Grant:	437	121	61	52	26	10	0	3	1	0	0	0	0	0	0	711
Patents By Year of Application:	687	18	5	1	0	0	0	0	0	0	0	0	0	0	0	711
<b>CONEXANT SYSTEMS, INC.</b>																
Patents By Year of Grant:	200	131	81	50	26	25	22	23	13	17	26	20	34	22	17	707
Patents By Year of Application:	499	15	30	19	22	8	8	25	18	17	26	14	5	1	0	707
<b>NGK SPARK PLUG CO., LTD.</b>																
Patents By Year of Grant:	135	21	45	48	22	25	20	26	22	33	30	64	68	72	71	702
Patents By Year of Application:	213	50	22	33	26	31	27	48	59	50	62	42	22	15	2	702
<b>ATI Technologies ULC</b>																
Patents By Year of Grant:	115	21	11	28	26	36	24	31	54	54	55	70	53	74	49	701
Patents By Year of Application:	219	33	36	51	58	58	47	29	51	28	39	38	13	1	0	701

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>NEC LABORATORIES AMERICA, INC.</b>																	
Patents By Year of Grant:	0	0	4	7	5	10	19	9	23	39	45	129	147	152	111	700	
Patents By Year of Application:	21	5	6	15	15	32	46	83	73	76	126	109	69	24	0	700	
<b>KLA-TENCOR CORPORATION</b>																	
Patents By Year of Grant:	38	12	38	23	9	20	8	34	50	60	53	53	58	109	133	698	
Patents By Year of Application:	104	15	22	18	30	34	56	92	47	47	63	62	68	37	3	698	
<b>INTUIT, INC.</b>																	
Patents By Year of Grant:	3	2	0	1	1	4	2	5	18	88	116	119	143	124	69	695	
Patents By Year of Application:	13	6	5	11	19	98	103	131	66	66	86	62	28	1	0	695	
<b>OSRAM SYLVANIA INC.</b>																	
Patents By Year of Grant:	142	18	23	40	27	52	49	35	34	39	43	34	58	50	50	694	
Patents By Year of Application:	192	37	24	56	68	43	41	40	26	41	54	38	28	6	0	694	
<b>MINEBEA KABUSHIKI-KAISHA (MINEBEA CO., LTD)</b>																	
Patents By Year of Grant:	112	30	47	59	73	83	49	24	32	31	20	23	25	34	51	693	
Patents By Year of Application:	201	63	87	74	52	26	27	33	14	19	27	45	23	2	0	693	
<b>PHILIPS ELECTRONICS NORTH AMERICA CORP.</b>																	
Patents By Year of Grant:	624	61	1	1	0	0	1	0	0	0	2	2	0	0	0	692	
Patents By Year of Application:	688	0	0	0	0	2	0	1	1	0	0	0	0	0	0	692	
<b>CHUNGHWA PICTURE TUBES, LTD.</b>																	
Patents By Year of Grant:	24	5	4	10	16	23	34	59	55	65	57	147	97	48	34	678	
Patents By Year of Application:	36	15	21	32	79	67	39	65	119	82	51	46	23	3	0	678	
<b>THE DIRECTV GROUP, INC.</b>																	
Patents By Year of Grant:	0	0	0	21	35	46	50	54	56	73	66	48	65	87	75	676	
Patents By Year of Application:	132	44	58	50	40	60	113	57	19	32	20	27	16	8	0	676	
<b>Intersil Americals LLC</b>																	
Patents By Year of Grant:	3	20	39	42	33	50	37	34	42	52	68	92	79	45	38	674	
Patents By Year of Application:	74	40	35	62	43	37	47	59	61	88	65	40	16	5	2	674	
<b>PENTAX CORPORATION</b>																	
Patents By Year of Grant:	0	12	142	163	142	113	76	26	0	0	0	0	0	0	0	674	
Patents By Year of Application:	255	131	126	85	56	18	3	0	0	0	0	0	0	0	0	674	
<b>SHINKO ELECTRIC INDUSTRIES CO., LTD.</b>																	
Patents By Year of Grant:	59	26	30	20	15	22	25	30	36	62	59	78	71	63	77	673	
Patents By Year of Application:	124	19	20	29	38	48	56	56	55	69	40	54	46	16	3	673	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>DIGITAL EQUIPMENT CORPORATION</b>																
Patents By Year of Grant:	668	0	0	0	0	0	0	0	0	0	0	0	0	0	0	668
Patents By Year of Application:	668	0	0	0	0	0	0	0	0	0	0	0	0	0	0	668
<b>Accenture Global Services Limited</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	14	115	110	143	167	114	663
Patents By Year of Application:	14	15	10	17	25	38	58	81	86	103	112	60	28	13	3	663
<b>NORTHERN TELECOM LIMITED</b>																
Patents By Year of Grant:	644	11	2	1	0	0	0	0	0	0	0	0	0	0	0	658
Patents By Year of Application:	658	0	0	0	0	0	0	0	0	0	0	0	0	0	0	658
<b>NOKIA TELECOMMUNICATIONS OYJ</b>																
Patents By Year of Grant:	508	93	43	8	2	1	1	0	1	0	0	0	0	0	0	657
Patents By Year of Application:	656	0	1	0	0	0	0	0	0	0	0	0	0	0	0	657
<b>ITT MANUFACTURING ENTERPRISES, INC.</b>																
Patents By Year of Grant:	157	40	30	40	42	57	66	36	58	64	50	14	1	0	0	655
Patents By Year of Application:	275	57	47	33	79	58	55	29	20	2	0	0	0	0	0	655
<b>HALLIBURTON ENERGY SERVICES, INC.</b>																
Patents By Year of Grant:	61	21	32	43	36	44	30	25	29	45	28	44	63	59	91	651
Patents By Year of Application:	132	55	39	53	43	50	38	41	40	40	28	59	29	3	1	651
<b>Panasonic Intellectual Property Corporation of America</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	194	455	649
Patents By Year of Application:	0	0	1	1	0	1	15	9	22	70	153	126	119	118	14	649
<b>UNITED STATES OF AMERICA, AIR FORCE</b>																
Patents By Year of Grant:	281	34	30	20	23	31	25	21	24	26	24	24	28	24	34	649
Patents By Year of Application:	359	26	23	25	44	19	26	17	25	13	24	21	15	11	1	649
<b>TOSHIBA TEC KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	83	95	63	17	9	24	22	22	21	27	40	39	65	47	64	638
Patents By Year of Application:	263	33	5	18	17	28	29	19	32	45	56	37	27	29	0	638
<b>UNITED SERVICES AUTOMOBILE ASSOCIATION (USAA)</b>																
Patents By Year of Grant:	0	0	0	0	1	1	3	1	7	76	102	116	138	119	72	636
Patents By Year of Application:	0	4	8	3	48	60	128	143	47	35	59	57	28	16	0	636
<b>AISIN AW CO., LTD.</b>																
Patents By Year of Grant:	121	8	19	14	15	24	13	21	16	34	46	90	82	70	61	634
Patents By Year of Application:	151	17	30	24	31	32	38	74	64	55	58	50	10	0	0	634

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>VISTEON GLOBAL TECHNOLOGIES, INC.</b>																	
Patents By Year of Grant:	88	52	64	97	86	64	39	18	30	20	22	19	13	12	9	633	
Patents By Year of Application:	230	115	94	38	45	14	27	26	12	10	12	6	4	0	0	633	
<b>MOSAID TECHNOLOGIES INC.</b>																	
Patents By Year of Grant:	70	13	28	26	17	29	24	21	43	73	97	75	83	31	0	630	
Patents By Year of Application:	122	32	34	18	36	44	70	67	51	55	56	34	11	0	0	630	
<b>NOVATEK MICROELECTRONICS CORP.</b>																	
Patents By Year of Grant:	3	1	4	4	3	8	31	29	42	59	61	96	91	88	104	624	
Patents By Year of Application:	8	2	13	16	46	72	71	71	71	37	71	71	63	12	0	624	
<b>JAPAN DISPLAY INC.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	15	244	361	620	
Patents By Year of Application:	0	0	0	0	0	3	5	18	16	52	92	148	180	97	9	620	
<b>POWER INTEGRATIONS, INC.</b>																	
Patents By Year of Grant:	17	14	19	30	14	31	31	28	39	47	59	80	84	71	53	617	
Patents By Year of Application:	39	26	28	30	38	35	38	54	55	55	70	90	50	9	0	617	
<b>SILICON GRAPHICS, INC.</b>																	
Patents By Year of Grant:	353	50	50	52	28	27	14	24	9	0	2	0	0	0	0	609	
Patents By Year of Application:	531	38	18	4	9	6	1	2	0	0	0	0	0	0	0	609	
<b>DISNEY ENTERPRISES, INC.</b>																	
Patents By Year of Grant:	11	1	2	4	2	5	11	7	7	22	34	69	95	165	171	606	
Patents By Year of Application:	19	5	15	17	14	19	33	77	73	87	84	84	64	14	1	606	
<b>LG SEMICON CO., LTD.</b>																	
Patents By Year of Grant:	580	16	3	3	1	0	1	0	1	0	0	0	0	0	0	605	
Patents By Year of Application:	602	1	0	1	0	1	0	0	0	0	0	0	0	0	0	605	
<b>MSTAR SEMICONDUCTOR, INC.</b>																	
Patents By Year of Grant:	0	0	1	3	3	12	10	15	19	33	46	92	113	136	122	605	
Patents By Year of Application:	0	6	17	10	36	33	43	61	71	113	69	62	64	16	4	605	
<b>OSRAM GMBH</b>																	
Patents By Year of Grant:	0	0	0	0	16	16	8	12	24	59	69	108	104	84	103	603	
Patents By Year of Application:	15	9	17	16	28	82	122	77	45	73	53	37	23	6	0	603	
<b>ABB RESEARCH LTD.</b>																	
Patents By Year of Grant:	86	18	24	29	15	19	19	14	16	36	53	62	73	71	64	599	
Patents By Year of Application:	142	32	32	39	22	21	38	56	43	53	43	40	33	5	0	599	



---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>HOYA CORPORATION</b>																
Patents By Year of Grant:	16	5	8	12	6	4	11	64	126	123	89	51	32	29	20	596
Patents By Year of Application:	37	11	22	25	92	87	108	55	49	38	27	27	12	6	0	596
<b>STANLEY ELECTRIC CO., LTD.</b>																
Patents By Year of Grant:	75	19	17	6	9	12	18	17	30	50	47	57	90	78	67	592
Patents By Year of Application:	110	5	17	19	22	35	40	55	54	46	62	71	45	10	1	592
<b>HEADWAY TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	14	12	10	12	29	50	35	48	27	27	54	66	99	66	41	590
Patents By Year of Application:	45	20	40	57	52	25	42	32	39	64	57	55	42	20	0	590
<b>JP MORGAN CHASE BANK, N.A.</b>																
Patents By Year of Grant:	0	0	2	8	4	9	27	45	41	84	60	73	103	94	33	583
Patents By Year of Application:	64	32	39	43	41	48	44	31	38	49	50	56	41	7	0	583
<b>METROLOGIC INSTRUMENTS INC.</b>																
Patents By Year of Grant:	84	32	39	28	44	47	33	28	67	68	30	15	24	18	25	582
Patents By Year of Application:	174	73	29	39	13	35	103	41	8	10	30	5	15	7	0	582
<b>TSINGHUA UNIVERSITY</b>																
Patents By Year of Grant:	2	0	1	2	5	10	14	30	33	60	60	82	102	101	80	582
Patents By Year of Application:	5	3	16	14	29	48	42	75	69	90	70	67	41	12	1	582
<b>Himax Technologies Limited</b>																
Patents By Year of Grant:	0	0	2	4	7	10	23	41	38	87	94	123	83	44	25	581
Patents By Year of Application:	2	14	7	21	42	56	121	88	76	59	50	20	23	2	0	581
<b>HAMILTON SUNDSTRAND CORPORATION</b>																
Patents By Year of Grant:	22	8	2	8	7	15	19	22	34	47	52	69	78	88	107	578
Patents By Year of Application:	35	10	9	30	30	30	43	47	72	75	67	78	41	11	0	578
<b>ABB TECHNOLOGY AG</b>																
Patents By Year of Grant:	0	1	10	11	14	12	13	13	14	24	37	58	109	140	120	576
Patents By Year of Application:	23	15	7	16	23	23	37	50	49	81	97	80	60	15	0	576
<b>AISIN SEIKI KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	101	27	25	30	25	36	27	23	34	29	34	49	42	44	50	576
Patents By Year of Application:	158	35	39	37	39	38	32	29	40	52	37	21	12	7	0	576
<b>Boston Scientific Neuromodulation Corporation</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	14	21	44	57	64	109	153	114	576
Patents By Year of Application:	0	1	8	10	59	36	36	36	71	32	51	84	88	60	4	576

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	4	14	39	112	192	215	576	
Patents By Year of Application:	0	0	0	0	4	9	7	31	77	138	131	101	51	27	0	576	
<b>KLA-TENCOR TECHNOLOGIES CORP.</b>																	
Patents By Year of Grant:	1	3	13	53	52	98	89	92	62	60	23	11	8	4	6	575	
Patents By Year of Application:	56	60	82	102	104	70	66	13	6	7	5	3	1	0	0	575	
<b>SALESFORCE.COM, INC.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	1	0	5	17	15	49	125	172	191	575	
Patents By Year of Application:	3	1	4	9	3	11	24	21	31	117	152	115	70	13	1	575	
<b>ALPINE ELECTRONICS INC.</b>																	
Patents By Year of Grant:	69	21	19	34	34	31	33	38	50	48	38	59	36	29	35	574	
Patents By Year of Application:	141	39	48	47	52	49	53	43	28	18	17	18	12	7	2	574	
<b>ST-Ericsson SA</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	11	76	84	86	107	105	105	574	
Patents By Year of Application:	1	6	17	29	65	62	44	45	55	98	90	35	25	2	0	574	
<b>JDS UNIPHASE CORPORATION</b>																	
Patents By Year of Grant:	25	49	46	44	47	36	38	25	22	46	65	17	32	42	34	568	
Patents By Year of Application:	142	59	48	42	45	39	40	41	17	24	22	30	15	3	1	568	
<b>AUTODESK, INC.</b>																	
Patents By Year of Grant:	56	21	18	19	30	37	26	21	40	47	35	45	51	57	58	561	
Patents By Year of Application:	173	33	26	42	25	42	37	60	38	11	30	29	13	2	0	561	
<b>DEERE + COMPANY</b>																	
Patents By Year of Grant:	40	12	12	18	19	29	36	25	19	42	39	43	80	84	62	560	
Patents By Year of Application:	65	17	35	27	51	47	58	45	38	45	51	52	21	8	0	560	
<b>MITUTOYO CORPORATION</b>																	
Patents By Year of Grant:	65	26	42	22	16	42	26	46	39	29	31	40	42	45	49	560	
Patents By Year of Application:	144	31	20	34	38	41	33	28	40	50	38	34	19	10	0	560	
<b>NINTENDO CO., LTD.</b>																	
Patents By Year of Grant:	39	15	19	16	12	22	11	17	22	36	35	55	63	95	103	560	
Patents By Year of Application:	110	11	10	12	29	54	34	45	56	42	78	49	23	7	0	560	
<b>Symantec Operating Corporation</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	18	86	93	147	76	54	38	37	11	560	
Patents By Year of Application:	3	40	71	136	96	88	43	45	14	1	9	11	3	0	0	560	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>MAXTOR CORPORATION</b>																
Patents By Year of Grant:	102	64	52	56	47	76	64	47	42	5	2	0	0	0	1	558
Patents By Year of Application:	308	52	40	55	51	38	14	0	0	0	0	0	0	0	0	558
<b>COOPER TECHNOLOGIES COMPANY</b>																
Patents By Year of Grant:	26	6	19	10	7	6	11	21	45	43	58	54	72	82	97	557
Patents By Year of Application:	52	13	9	20	24	46	36	48	47	58	66	66	60	11	1	557
<b>Fu Zhun Precision Industry (Shenzhen) Co., Ltd.</b>																
Patents By Year of Grant:	0	0	0	0	0	6	63	68	69	135	107	77	25	2	0	552
Patents By Year of Application:	0	0	1	23	50	74	84	119	134	58	9	0	0	0	0	552
<b>FORD MOTOR COMPANY</b>																
Patents By Year of Grant:	326	8	26	36	24	20	14	23	16	19	13	7	8	8	2	550
Patents By Year of Application:	399	28	33	16	19	18	8	7	11	4	5	1	1	0	0	550
<b>STORAGE TECHNOLOGY CORPORATION</b>																
Patents By Year of Grant:	171	50	50	67	52	60	42	31	17	7	3	0	0	0	0	550
Patents By Year of Application:	354	64	39	45	36	10	0	1	1	0	0	0	0	0	0	550
<b>VLSI TECHNOLOGY, INC.</b>																
Patents By Year of Grant:	530	16	0	0	0	0	0	0	0	0	0	0	0	0	0	546
Patents By Year of Application:	546	0	0	0	0	0	0	0	0	0	0	0	0	0	0	546
<b>SGS-THOMSON MICROELECTRONICS S.R.L.</b>																
Patents By Year of Grant:	528	11	4	1	1	0	0	0	0	0	0	0	0	0	0	545
Patents By Year of Application:	544	1	0	0	0	0	0	0	0	0	0	0	0	0	0	545
<b>Empire Technology Development LLC</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	12	57	114	184	175	543
Patents By Year of Application:	0	0	0	0	0	0	0	18	161	98	91	115	44	14	2	543
<b>AMKOR TECHNOLOGY, INC.</b>																
Patents By Year of Grant:	21	50	63	44	36	45	17	16	15	35	46	38	40	28	46	540
Patents By Year of Application:	162	37	40	33	25	27	17	38	31	45	29	24	25	6	1	540
<b>TRADING TECHNOLOGIES INTERNATIONAL, INC.</b>																
Patents By Year of Grant:	0	0	0	2	1	4	4	15	76	96	66	83	98	84	11	540
Patents By Year of Application:	7	18	33	19	16	103	13	9	55	69	61	79	54	4	0	540
<b>NETWORK APPLIANCE, INC.</b>																
Patents By Year of Grant:	10	6	10	22	30	60	77	112	61	61	40	32	17	0	0	538
Patents By Year of Application:	85	83	67	67	78	49	48	29	17	12	3	0	0	0	0	538

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>SKYWORKS SOLUTIONS, INC.</b>																	
Patents By Year of Grant:	0	10	55	74	37	42	23	23	41	19	35	26	46	37	70	538	
Patents By Year of Application:	147	32	32	34	33	25	24	27	17	37	36	47	28	19	0	538	
<b>CORNING CABLE SYSTEMS LLC</b>																	
Patents By Year of Grant:	5	33	32	36	27	27	32	32	32	46	24	41	41	67	54	529	
Patents By Year of Application:	89	26	25	40	23	48	33	48	35	43	27	52	39	1	0	529	
<b>KABUSHIKI KAISHA YASKAWA DENKI</b>																	
Patents By Year of Grant:	51	10	8	26	16	20	23	22	21	23	40	41	60	69	93	523	
Patents By Year of Application:	80	29	44	24	26	22	23	2	25	49	62	79	39	19	0	523	
<b>Avago Technologies ECBU IP (Singapore) Pte. Ltd.</b>																	
Patents By Year of Grant:	0	0	0	0	0	16	102	79	100	89	55	66	14	0	0	521	
Patents By Year of Application:	4	1	45	104	122	56	77	43	50	18	1	0	0	0	0	521	
<b>Aptina Imaging Corporation</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	16	100	134	84	56	53	66	8	517	
Patents By Year of Application:	4	4	13	30	47	57	95	102	54	22	65	21	3	0	0	517	
<b>ASUSTEK COMPUTER INC.</b>																	
Patents By Year of Grant:	8	13	7	19	16	25	25	39	46	43	73	91	44	29	39	517	
Patents By Year of Application:	48	16	19	28	23	59	45	69	87	64	14	25	17	3	0	517	
<b>Oki Semiconductor Co., Ltd.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	6	142	137	107	68	40	17	0	517	
Patents By Year of Application:	1	3	10	15	44	80	124	106	67	45	20	2	0	0	0	517	
<b>FUJITSU TEN LIMITED</b>																	
Patents By Year of Grant:	25	5	15	28	25	46	43	33	60	57	40	34	31	29	45	516	
Patents By Year of Application:	52	53	47	58	48	53	54	37	42	21	25	19	6	1	0	516	
<b>PATENT-TREUHAND-GESELLSCHAFT FUR ELEKTRISCHE GLUHLAMPEN MBH</b>																	
Patents By Year of Grant:	184	43	46	55	30	56	45	43	6	5	0	0	0	0	0	513	
Patents By Year of Application:	272	56	46	52	56	28	3	0	0	0	0	0	0	0	0	513	
<b>RF MICRO DEVICES, INC.</b>																	
Patents By Year of Grant:	12	10	14	31	13	21	20	28	31	24	51	31	61	65	100	512	
Patents By Year of Application:	49	26	20	24	29	34	41	30	16	56	71	46	63	7	0	512	
<b>ADVANCED SEMICONDUCTOR ENGINEERING, INC.</b>																	
Patents By Year of Grant:	26	22	7	31	24	51	46	35	30	39	45	46	49	24	36	511	
Patents By Year of Application:	57	19	50	60	36	42	34	42	52	52	25	16	14	12	0	511	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>DOLBY LABORATORIES LICENSING CORPORATION</b>																
Patents By Year of Grant:	30	3	3	8	5	4	8	18	17	19	24	63	82	106	118	508
Patents By Year of Application:	49	13	12	19	17	12	36	33	51	45	71	93	36	18	3	508
<b>WISCONSIN ALUMNI RESEARCH FOUNDATION</b>																
Patents By Year of Grant:	82	19	23	15	16	25	20	27	32	42	43	48	43	30	43	508
Patents By Year of Application:	140	21	18	27	34	49	39	41	30	26	31	26	23	3	0	508
<b>BAYERISCHE MOTOREN WERKE AG</b>																
Patents By Year of Grant:	63	19	20	25	15	18	27	35	32	40	30	36	51	44	51	506
Patents By Year of Application:	139	14	8	19	24	51	65	25	46	22	27	32	23	11	0	506
<b>DAIMLER-CHRYSLER AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	166	77	55	39	61	54	38	13	0	1	0	0	1	0	0	505
Patents By Year of Application:	339	69	55	32	9	1	0	0	0	0	0	0	0	0	0	505
<b>MCI COMMUNICATIONS CORP.</b>																
Patents By Year of Grant:	394	43	19	17	8	6	3	2	1	2	5	1	2	1	0	504
Patents By Year of Application:	486	1	8	4	1	0	0	2	1	0	1	0	0	0	0	504
<b>CELLCO PARTNERSHIP</b>																
Patents By Year of Grant:	9	2	4	4	4	11	9	6	9	13	20	60	71	128	152	502
Patents By Year of Application:	30	10	7	8	5	15	29	22	45	75	86	96	60	14	0	502
<b>KOMATSU LTD.</b>																
Patents By Year of Grant:	132	27	30	24	16	17	14	10	11	20	27	24	43	44	63	502
Patents By Year of Application:	214	24	12	12	25	29	23	23	23	13	29	56	17	2	0	502
<b>HONEYWELL INC.</b>																
Patents By Year of Grant:	444	22	17	12	4	2	0	0	0	0	0	0	0	0	0	501
Patents By Year of Application:	498	3	0	0	0	0	0	0	0	0	0	0	0	0	0	501
<b>GEORGIA TECH RESEARCH CORP.</b>																
Patents By Year of Grant:	65	19	20	20	26	32	28	20	27	36	42	34	50	36	44	499
Patents By Year of Application:	125	21	39	15	34	48	39	28	31	37	46	22	12	2	0	499
<b>SARNOFF CORPORATION</b>																
Patents By Year of Grant:	178	70	67	42	34	26	16	22	20	24	0	0	0	0	0	499
Patents By Year of Application:	379	20	13	25	28	17	12	2	3	0	0	0	0	0	0	499
<b>WESTERNGECO, LLC</b>																
Patents By Year of Grant:	4	9	16	15	18	9	13	43	30	59	45	37	73	69	57	497
Patents By Year of Application:	42	17	36	24	35	45	47	80	62	56	30	16	6	1	0	497



---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>ANDREW CORPORATION</b>																
Patents By Year of Grant:	42	14	31	39	29	41	30	26	23	30	40	42	42	46	13	488
Patents By Year of Application:	98	64	55	32	27	25	20	37	37	31	23	24	12	3	0	488
<b>Nokia Siemens Networks Oy</b>																
Patents By Year of Grant:	0	0	0	0	0	0	10	18	20	24	33	70	123	145	35	478
Patents By Year of Application:	20	19	23	14	14	8	10	149	132	36	22	24	6	1	0	478
<b>HUBBELL INCORPORATED</b>																
Patents By Year of Grant:	137	37	23	22	17	20	17	20	8	22	18	28	37	38	31	475
Patents By Year of Application:	205	20	21	24	18	19	14	25	17	34	31	28	15	3	1	475
<b>DONNELLY CORPORATION</b>																
Patents By Year of Grant:	99	35	21	26	22	22	24	33	30	30	35	43	28	16	10	474
Patents By Year of Application:	161	38	25	19	17	19	37	26	26	28	32	34	9	3	0	474
<b>QUANTA COMPUTER INC.</b>																
Patents By Year of Grant:	4	2	8	25	23	30	31	32	28	39	53	51	38	48	62	474
Patents By Year of Application:	10	44	25	26	47	42	53	36	38	41	17	47	38	9	1	474
<b>KONICA MINOLTA OPTO, INC</b>																
Patents By Year of Grant:	0	0	0	2	5	12	43	56	64	74	76	60	59	19	3	473
Patents By Year of Application:	0	3	4	41	69	68	77	79	68	41	12	9	2	0	0	473
<b>MICROCHIP TECHNOLOGY INCORPORATED</b>																
Patents By Year of Grant:	111	24	22	17	11	17	17	13	16	26	35	23	37	49	55	473
Patents By Year of Application:	186	3	9	18	12	8	25	44	21	38	31	33	30	14	1	473
<b>IMMERSSION CORPORATION</b>																
Patents By Year of Grant:	63	18	8	25	14	30	25	21	23	31	37	31	51	53	40	470
Patents By Year of Application:	152	24	24	41	14	26	38	26	26	17	17	23	32	10	0	470
<b>NEC LCD TECHNOLOGIES, LTD.</b>																
Patents By Year of Grant:	0	0	38	67	74	57	31	30	59	55	52	3	1	0	0	467
Patents By Year of Application:	111	67	46	52	58	51	41	20	8	9	3	1	0	0	0	467
<b>QUANTUM CORP. (CA)</b>																
Patents By Year of Grant:	226	9	15	20	16	28	25	19	21	23	14	17	6	18	8	465
Patents By Year of Application:	275	22	24	23	22	15	15	17	14	13	7	9	3	5	1	465
<b>APPLIED MICRO CIRCUITS CORPORATION</b>																
Patents By Year of Grant:	23	17	29	37	30	36	33	21	15	31	29	45	43	51	24	464
Patents By Year of Application:	102	72	40	9	3	15	22	30	45	51	37	20	13	5	0	464

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>ORACLE CORPORATION</b>																	
Patents By Year of Grant:	301	85	50	5	1	7	1	3	4	1	1	1	1	0	0	461	
Patents By Year of Application:	442	11	1	3	2	2	0	0	0	0	0	0	0	0	0	461	
<b>CA, INC.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	67	122	135	136	460	
Patents By Year of Application:	5	1	2	19	42	31	22	40	35	60	62	62	68	11	0	460	
<b>FUJIKURA LTD.</b>																	
Patents By Year of Grant:	23	6	17	29	27	25	31	28	19	26	33	42	49	50	55	460	
Patents By Year of Application:	52	47	29	25	31	14	34	27	35	38	30	44	37	16	1	460	
<b>RICHTEK TECHNOLOGY CORP.</b>																	
Patents By Year of Grant:	0	1	1	6	10	12	17	15	25	46	43	62	67	95	60	460	
Patents By Year of Application:	0	9	10	17	25	17	40	37	67	66	55	49	47	18	3	460	
<b>LINEAR TECHNOLOGY CORPORATION</b>																	
Patents By Year of Grant:	82	19	27	13	19	16	33	37	24	33	25	33	29	42	26	458	
Patents By Year of Application:	127	15	23	21	57	44	19	23	32	27	22	23	14	10	1	458	
<b>ShenZhen FuTaiHong Precision Industry Co., Ltd.</b>																	
Patents By Year of Grant:	0	0	0	0	0	1	4	6	15	33	63	154	104	63	14	457	
Patents By Year of Application:	0	0	0	8	5	19	20	42	113	159	57	31	3	0	0	457	
<b>KABUSHIKI KAISHA TOPCON</b>																	
Patents By Year of Grant:	127	21	13	25	19	26	27	25	32	32	26	19	12	25	26	455	
Patents By Year of Application:	173	26	28	24	45	23	22	31	25	15	16	20	5	1	1	455	
<b>OMNIVISION TECHNOLOGIES INC.</b>																	
Patents By Year of Grant:	16	8	4	6	9	11	6	10	11	16	57	81	62	82	75	454	
Patents By Year of Application:	41	3	7	24	7	7	29	87	31	41	49	71	41	15	1	454	
<b>UNIVERSITY OF TEXAS</b>																	
Patents By Year of Grant:	78	18	17	20	14	19	20	22	22	30	35	37	40	33	47	452	
Patents By Year of Application:	138	18	22	22	21	30	25	33	37	41	28	16	15	6	0	452	
<b>INTERMEC IP CORP.</b>																	
Patents By Year of Grant:	171	33	20	16	16	20	21	27	18	13	29	22	17	8	20	451	
Patents By Year of Application:	250	9	19	30	23	25	28	14	18	7	4	11	10	3	0	451	
<b>HITACHI MEDICAL CORPORATION</b>																	
Patents By Year of Grant:	76	20	18	13	12	16	16	21	22	30	32	33	40	44	57	450	
Patents By Year of Application:	132	25	28	30	22	31	24	27	48	38	36	9	0	0	0	450	



---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>USHIO DENKI KABUSHIKI KAISYA</b>																
Patents By Year of Grant:	79	30	43	39	32	25	12	19	24	22	21	33	32	22	17	450
Patents By Year of Application:	161	38	31	24	17	24	23	27	27	31	19	13	7	8	0	450
<b>DIEBOLD SELF SERVICE SYSTEMS, A DIVISION OF DIEBOLD, INCORPORATED</b>																
Patents By Year of Grant:	0	0	0	3	12	32	39	43	30	50	68	55	60	29	27	448
Patents By Year of Application:	0	1	32	42	32	55	52	46	17	35	48	50	28	10	0	448
<b>NETLOGIC MICROSYSTEMS, INC.</b>																
Patents By Year of Grant:	22	8	11	27	23	23	35	35	27	56	65	20	45	41	10	448
Patents By Year of Application:	62	32	35	37	28	32	50	51	22	43	41	11	4	0	0	448
<b>TYCO ELECTRONICS CORPORATION</b>																
Patents By Year of Grant:	23	29	34	20	22	22	23	21	22	31	29	46	31	46	49	448
Patents By Year of Application:	96	22	29	22	23	22	29	32	43	28	38	35	23	6	0	448
<b>COMPUTER ASSOCIATES THINK, INC.</b>																
Patents By Year of Grant:	16	24	10	5	15	24	26	34	52	101	84	45	9	1	0	446
Patents By Year of Application:	108	31	44	64	76	41	22	23	14	19	3	0	1	0	0	446
<b>KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY</b>																
Patents By Year of Grant:	44	21	29	22	18	26	18	21	29	41	38	41	36	27	35	446
Patents By Year of Application:	123	26	16	15	25	41	48	37	28	25	21	18	17	5	1	446
<b>QIMONDA AG</b>																
Patents By Year of Grant:	0	0	0	0	0	0	1	30	39	158	129	50	24	13	0	444
Patents By Year of Application:	1	1	3	3	16	75	166	161	3	10	1	3	1	0	0	444
<b>ADAPTEC, INC.</b>																
Patents By Year of Grant:	206	42	22	37	34	48	21	12	12	8	1	0	0	0	0	443
Patents By Year of Application:	328	55	19	22	13	2	3	1	0	0	0	0	0	0	0	443
<b>JOHNS HOPKINS UNIVERSITY</b>																
Patents By Year of Grant:	53	15	18	36	31	41	27	16	17	24	15	24	25	49	51	442
Patents By Year of Application:	109	44	57	27	16	18	16	18	26	24	32	41	10	2	2	442
<b>FUJI JUKOGYO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	69	22	21	21	11	31	21	22	17	33	21	36	35	31	50	441
Patents By Year of Application:	125	19	26	39	27	19	31	33	20	17	25	28	23	8	1	441
<b>Chimei-InnoLux Corporation</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	49	105	161	98	26	0	439
Patents By Year of Application:	0	0	1	4	8	37	69	114	97	81	26	2	0	0	0	439

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>CARL ZEISS SMT GMBH</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	1	72	81	82	94	107	438	
Patents By Year of Application:	0	0	1	3	17	12	19	43	52	87	83	59	39	23	0	438	
<b>INTERUNIVERSITAIR MICRO-ELEKTRONICA CENTRUM (IMEC VZW)</b>																	
Patents By Year of Grant:	53	10	26	23	15	24	12	13	14	38	32	34	55	44	45	438	
Patents By Year of Application:	113	23	20	23	17	22	28	34	29	30	42	22	26	8	1	438	
<b>Airbus Operations S.A.S.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	17	97	114	117	91	437	
Patents By Year of Application:	0	1	0	0	5	14	51	79	82	71	49	50	23	12	0	437	
<b>The Nielsen Company (U.S.), L.L.C.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	11	37	27	56	75	104	126	437	
Patents By Year of Application:	4	6	4	3	9	33	30	54	48	44	54	78	47	21	2	437	
<b>COLUMBIA UNIVERSITY</b>																	
Patents By Year of Grant:	56	5	10	13	18	15	22	22	21	35	31	24	47	62	55	436	
Patents By Year of Application:	109	18	18	29	21	21	46	34	35	35	24	19	16	10	1	436	
<b>BEA SYSTEMS, INC.</b>																	
Patents By Year of Grant:	9	2	4	4	19	37	56	78	95	126	4	0	0	0	0	434	
Patents By Year of Application:	54	57	78	88	87	46	19	4	1	0	0	0	0	0	0	434	
<b>GENTEX CORPORATION</b>																	
Patents By Year of Grant:	69	28	40	20	32	23	17	32	23	21	17	20	25	32	32	431	
Patents By Year of Application:	140	29	31	36	20	26	24	27	17	14	17	23	16	10	1	431	
<b>NICHIA CORPORATION</b>																	
Patents By Year of Grant:	0	1	9	10	24	24	21	31	27	46	35	25	44	58	76	431	
Patents By Year of Application:	18	26	26	25	32	32	41	45	25	30	33	29	42	27	0	431	
<b>SANKEN ELECTRIC COMPANY LIMITED</b>																	
Patents By Year of Grant:	12	8	11	15	10	21	38	31	37	40	45	49	59	22	31	429	
Patents By Year of Application:	30	22	18	29	44	47	29	49	45	38	35	23	13	7	0	429	
<b>BOSE CORPORATION</b>																	
Patents By Year of Grant:	20	2	6	13	6	8	11	18	18	11	39	68	55	56	95	426	
Patents By Year of Application:	53	13	13	21	7	16	29	37	30	55	52	50	40	9	1	426	
<b>EPCOS AG</b>																	
Patents By Year of Grant:	6	16	9	18	23	21	13	23	27	33	65	51	38	28	55	426	
Patents By Year of Application:	42	30	40	30	36	50	18	8	58	54	48	10	1	1	0	426	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>TOYODA GOSEI KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	32	15	20	27	39	32	28	23	22	14	23	23	28	50	48	424
Patents By Year of Application:	86	40	39	31	26	20	16	18	35	26	24	32	24	7	0	424
<b>FIRST DATA CORPORATION</b>																
Patents By Year of Grant:	16	7	6	17	20	54	32	45	53	45	38	17	30	29	14	423
Patents By Year of Application:	72	57	65	37	30	43	47	24	21	4	4	13	4	2	0	423
<b>TERADYNE, INC.</b>																
Patents By Year of Grant:	74	29	30	37	27	30	22	27	35	19	30	18	18	14	13	423
Patents By Year of Application:	168	38	21	24	44	16	26	24	14	27	7	7	7	0	0	423
<b>PRIMAX ELECTRONICS LTD.</b>																
Patents By Year of Grant:	70	9	16	13	7	9	16	18	22	34	41	40	51	38	36	420
Patents By Year of Application:	91	19	22	15	19	31	25	29	35	36	35	27	31	5	0	420
<b>NDK, NIHON DEMPA KOGYO COMPANY, LTD.</b>																
Patents By Year of Grant:	4	4	4	25	13	28	19	17	25	37	49	54	53	44	43	419
Patents By Year of Application:	11	28	23	16	28	25	27	39	56	42	47	52	14	11	0	419
<b>Toyota Motor Engineering &amp; Manufacturing North America, Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	2	3	6	12	25	42	65	76	98	89	418
Patents By Year of Application:	0	0	2	2	7	19	27	44	60	74	59	76	39	9	0	418
<b>Western Digital (Fremont), LLC</b>																
Patents By Year of Grant:	0	0	2	41	26	23	20	15	14	12	17	45	62	65	74	416
Patents By Year of Application:	39	39	11	30	11	11	22	20	37	27	40	44	37	42	6	416
<b>GATEWAY 2000, INC.</b>																
Patents By Year of Grant:	92	46	47	56	44	39	28	27	14	20	0	2	0	0	0	415
Patents By Year of Application:	294	46	31	34	3	1	1	5	0	0	0	0	0	0	0	415
<b>LEAR CORPORATION</b>																
Patents By Year of Grant:	24	11	17	19	29	60	43	28	32	21	23	31	23	29	25	415
Patents By Year of Application:	65	27	58	54	46	33	26	16	22	19	27	13	7	2	0	415
<b>QWEST COMMUNICATIONS INTERNATIONAL INC.</b>																
Patents By Year of Grant:	43	37	39	35	27	40	29	18	19	13	21	27	24	25	18	415
Patents By Year of Application:	224	26	38	20	28	12	6	9	11	16	10	8	3	4	0	415
<b>YOKOGAWA ELECTRIC CORPORATION</b>																
Patents By Year of Grant:	55	7	12	6	30	23	21	22	27	40	33	28	28	35	46	413
Patents By Year of Application:	85	15	20	29	36	34	35	33	18	29	36	22	19	2	0	413

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>SCIENTIFIC-ATLANTA, INC.</b>																	
Patents By Year of Grant:	166	33	34	24	16	26	33	22	27	31	0	0	0	0	0	412	
Patents By Year of Application:	292	35	22	21	11	21	5	4	1	0	0	0	0	0	0	412	
<b>AGERE SYSTEMS GUARDIAN CORP.</b>																	
Patents By Year of Grant:	167	236	5	1	0	0	0	1	0	0	0	0	0	0	0	410	
Patents By Year of Application:	409	1	0	0	0	0	0	0	0	0	0	0	0	0	0	410	
<b>CenturyLink Intellectual Property LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	59	118	117	116	410	
Patents By Year of Application:	0	1	0	4	1	10	48	102	70	11	18	68	54	22	1	410	
<b>MATSUSHITA ELECTRIC WORKS, LTD.</b>																	
Patents By Year of Grant:	140	32	35	34	40	40	28	35	20	5	0	1	0	0	0	410	
Patents By Year of Application:	236	41	38	46	28	11	10	0	0	0	0	0	0	0	0	410	
<b>UNIVERSITY OF WASHINGTON</b>																	
Patents By Year of Grant:	96	13	19	17	18	10	18	21	20	34	17	27	39	27	32	408	
Patents By Year of Application:	151	11	14	22	24	22	29	24	35	24	19	15	12	6	0	408	
<b>FISHER-ROSEMOUNT SYSTEMS, INC.</b>																	
Patents By Year of Grant:	34	7	13	16	22	27	21	19	30	42	46	33	34	35	27	406	
Patents By Year of Application:	94	25	40	32	23	44	36	24	27	33	18	7	3	0	0	406	
<b>COMVAULT SYSTEMS, INC.</b>																	
Patents By Year of Grant:	0	1	2	2	0	5	6	19	24	44	42	55	72	62	70	404	
Patents By Year of Application:	12	4	5	12	20	37	20	43	36	53	43	44	55	19	1	404	
<b>CYMER, INC.</b>																	
Patents By Year of Grant:	94	19	31	24	16	25	32	33	16	34	16	21	17	20	6	404	
Patents By Year of Application:	159	18	29	26	36	31	27	16	11	16	18	11	5	1	0	404	
<b>VIASAT, INC.</b>																	
Patents By Year of Grant:	2	0	3	2	4	6	7	11	13	30	49	75	94	53	55	404	
Patents By Year of Application:	18	3	1	6	9	22	25	57	73	68	31	47	31	12	1	404	
<b>HITACHI CABLE, LTD.</b>																	
Patents By Year of Grant:	57	9	17	12	14	16	19	28	36	48	35	48	48	14	1	402	
Patents By Year of Application:	89	17	11	22	31	36	42	36	38	47	23	9	1	0	0	402	
<b>CONTINENTAL AUTOMOTIVE GMBH</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	3	24	54	94	92	57	76	400	
Patents By Year of Application:	1	1	1	5	16	32	80	102	62	37	39	19	3	2	0	400	

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Pre  
2002 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 TOTAL

NATIONAL TAIWAN UNIVERSITY

Patents By Year of Grant: 0 1 2 8 9 7 10 9 21 32 57 84 59 54 46 399  
Patents By Year of Application: 6 9 10 5 11 9 23 77 90 60 27 30 31 11 0 399

EMERSON ELECTRIC CO.

Patents By Year of Grant: 162 22 17 36 22 18 16 15 18 19 7 10 14 13 9 398  
Patents By Year of Application: 209 39 22 24 11 24 6 19 8 14 7 6 7 1 1 398

NATIONAL CHIAO TUNG UNIVERSITY

Patents By Year of Grant: 0 0 2 4 7 19 15 16 19 25 36 71 66 61 55 396  
Patents By Year of Application: 1 8 9 17 23 28 20 46 46 46 47 56 44 5 0 396

SIEMENS ENERGY & AUTOMATION, INC.

Patents By Year of Grant: 154 21 29 20 30 27 36 40 37 1 0 0 0 0 0 395  
Patents By Year of Application: 224 31 30 36 35 26 12 1 0 0 0 0 0 0 0 395

E. I. DU PONT DE NEMOURS AND COMPANY

Patents By Year of Grant: 56 5 7 18 16 29 39 29 31 36 25 23 30 35 15 394  
Patents By Year of Application: 80 20 28 49 45 38 25 31 22 16 13 11 15 1 0 394

CARL ZEISS SMT AG

Patents By Year of Grant: 0 0 5 28 35 57 61 69 56 71 9 1 0 1 0 393  
Patents By Year of Application: 28 32 49 73 75 51 41 36 8 0 0 0 0 0 0 393

Dongbu Hitek Co., Ltd.

Patents By Year of Grant: 0 0 0 0 0 0 0 3 32 91 118 70 34 20 25 393  
Patents By Year of Application: 0 0 0 2 2 19 74 114 116 13 9 24 18 2 0 393

PALM, INC.

Patents By Year of Grant: 14 31 29 6 19 35 29 37 59 67 10 0 52 5 0 393  
Patents By Year of Application: 139 25 18 28 45 51 30 19 16 11 6 5 0 0 0 393

DIEBOLD INCORPORATED

Patents By Year of Grant: 33 9 16 18 17 26 23 32 42 37 40 33 41 15 10 392  
Patents By Year of Application: 99 34 19 18 23 26 27 29 19 18 30 31 14 3 2 392

HITACHI KOKUSAI ELECTRIC INC.

Patents By Year of Grant: 0 8 7 27 37 32 26 25 23 36 38 34 41 24 34 392  
Patents By Year of Application: 61 44 33 17 32 23 26 41 37 23 25 18 11 1 0 392

Nokia Technologies Oy

Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 390 390  
Patents By Year of Application: 2 2 3 9 8 4 13 18 36 57 70 87 66 15 0 390

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>ECHOSTAR TECHNOLOGIES L.L.C.</b>																	
Patents By Year of Grant:	0	0	0	0	0	1	1	1	4	5	13	47	86	117	114	389	
Patents By Year of Application:	0	0	0	5	4	3	30	51	72	50	72	43	52	7	0	389	
<b>HITACHI METALS LTD.</b>																	
Patents By Year of Grant:	76	7	7	6	11	14	8	12	16	15	27	27	16	71	75	388	
Patents By Year of Application:	98	10	9	18	16	21	33	18	23	25	32	37	40	8	0	388	
<b>LEVITON MANUFACTURING CO. INC.</b>																	
Patents By Year of Grant:	103	12	11	10	23	29	35	25	22	24	24	20	27	14	9	388	
Patents By Year of Application:	135	13	16	32	41	36	25	24	19	17	16	6	5	3	0	388	
<b>Sandisk 3D LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	6	28	20	36	47	43	43	52	67	46	388	
Patents By Year of Application:	4	4	11	16	16	38	55	22	43	30	45	39	34	30	1	388	
<b>TREND MICRO, INC.</b>																	
Patents By Year of Grant:	7	0	0	2	0	2	4	12	18	35	51	60	73	70	54	388	
Patents By Year of Application:	11	7	8	17	22	42	56	62	38	16	42	36	24	7	0	388	
<b>LINCOLN GLOBAL, INC.</b>																	
Patents By Year of Grant:	39	17	19	15	21	29	27	18	10	28	11	25	36	39	53	387	
Patents By Year of Application:	76	20	30	43	54	32	12	16	25	19	12	22	22	4	0	387	
<b>UNIVERSITY OF MICHIGAN</b>																	
Patents By Year of Grant:	63	10	22	21	25	17	11	11	15	16	27	36	34	39	38	385	
Patents By Year of Application:	103	25	31	19	16	15	13	31	28	32	28	23	15	5	1	385	
<b>CITIZEN WATCH CO., LTD.</b>																	
Patents By Year of Grant:	195	33	44	47	20	29	14	1	0	0	0	0	0	0	0	383	
Patents By Year of Application:	316	36	25	3	3	0	0	0	0	0	0	0	0	0	0	383	
<b>LG CHEM, LTD.</b>																	
Patents By Year of Grant:	2	1	0	0	2	1	8	15	31	34	34	44	32	69	110	383	
Patents By Year of Application:	3	0	1	20	26	39	33	34	27	35	44	45	52	23	1	383	
<b>LITTON SYSTEMS INC.</b>																	
Patents By Year of Grant:	282	25	22	18	8	10	9	4	3	0	1	0	0	0	0	382	
Patents By Year of Application:	344	7	14	6	6	1	4	0	0	0	0	0	0	0	0	382	
<b>UNIVERSITY OF ILLINOIS</b>																	
Patents By Year of Grant:	52	13	11	21	11	22	15	14	21	31	29	33	34	34	41	382	
Patents By Year of Application:	97	19	14	25	22	21	28	32	33	26	25	16	18	6	0	382	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>L-3 COMMUNICATIONS CORPORATION</b>																
Patents By Year of Grant:	43	12	17	14	12	30	30	21	33	33	22	24	24	31	34	380
Patents By Year of Application:	99	22	26	23	26	43	24	28	17	14	13	20	17	7	1	380
<b>MENTOR GRAPHICS CORPORATION</b>																
Patents By Year of Grant:	47	5	2	0	7	9	6	4	7	26	39	51	60	67	49	379
Patents By Year of Application:	63	4	11	14	12	10	29	22	43	39	35	40	45	11	1	379
<b>TEAC CORPORATION</b>																
Patents By Year of Grant:	120	19	21	23	23	38	24	17	22	14	25	15	7	4	6	378
Patents By Year of Application:	180	57	23	26	17	11	14	13	20	5	3	3	5	1	0	378
<b>TELECOM ITALIA S.P.A.</b>																
Patents By Year of Grant:	2	1	0	4	1	7	6	17	18	29	54	72	79	52	34	376
Patents By Year of Application:	14	23	59	75	71	43	33	31	16	4	6	0	1	0	0	376
<b>SRI INTERNATIONAL</b>																
Patents By Year of Grant:	26	9	14	22	14	30	19	17	17	29	26	37	32	38	45	375
Patents By Year of Application:	98	19	8	23	17	30	34	22	21	27	34	29	9	2	2	375
<b>Marvell Israel (MISL) Ltd.</b>																
Patents By Year of Grant:	0	0	1	3	6	10	11	19	17	40	43	43	56	55	70	374
Patents By Year of Application:	5	10	15	25	16	24	19	42	35	45	50	45	30	13	0	374
<b>Siemens Industry, Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	66	68	63	53	71	51	374
Patents By Year of Application:	1	2	9	16	17	26	48	48	78	35	38	34	20	2	0	374
<b>Konica Minolta, Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	87	285	372
Patents By Year of Application:	0	0	0	1	0	3	2	2	7	16	42	62	133	93	11	372
<b>TESSERA, INC.</b>																
Patents By Year of Grant:	69	21	15	13	21	14	16	14	13	16	16	14	48	44	37	371
Patents By Year of Application:	112	23	16	25	20	19	14	5	8	35	52	14	15	13	0	371
<b>HAND-HELD PRODUCTS, INC.</b>																
Patents By Year of Grant:	4	5	3	5	3	14	16	23	18	26	31	47	57	49	67	368
Patents By Year of Application:	22	11	14	19	15	30	34	19	34	48	38	20	41	23	0	368
<b>Teradata US, Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	20	28	69	51	68	47	46	39	368
Patents By Year of Application:	22	15	31	31	18	41	57	44	38	31	22	15	3	0	0	368

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>General Motors LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	36	48	64	78	82	59	367	
Patents By Year of Application:	1	4	7	15	24	48	35	39	40	59	52	22	18	3	0	367	
<b>ROHDE &amp; SCHWARZ GMBH &amp; CO., KG</b>																	
Patents By Year of Grant:	19	5	10	6	15	25	24	18	25	31	37	36	39	38	39	367	
Patents By Year of Application:	59	33	25	22	30	28	50	40	25	25	12	11	6	1	0	367	
<b>ACTEL CORPORATION</b>																	
Patents By Year of Grant:	65	8	15	24	26	35	26	49	51	26	28	10	3	0	0	366	
Patents By Year of Application:	92	32	20	33	33	34	45	42	16	15	2	2	0	0	0	366	
<b>FUJITSU MICROELECTRONICS LIMITED</b>																	
Patents By Year of Grant:	1	0	0	0	0	0	0	0	214	151	0	0	0	0	0	366	
Patents By Year of Application:	2	6	6	28	70	123	86	41	4	0	0	0	0	0	0	366	
<b>NAN YA TECHNOLOGY CORPORATION</b>																	
Patents By Year of Grant:	10	2	4	21	16	22	4	14	19	33	44	34	51	51	41	366	
Patents By Year of Application:	14	13	33	15	8	11	28	45	43	22	62	42	22	7	1	366	
<b>AMERICAN MEGATRENDS, INC.</b>																	
Patents By Year of Grant:	0	0	2	4	7	15	22	20	27	43	51	34	50	41	48	364	
Patents By Year of Application:	7	12	35	23	25	41	17	28	36	44	38	23	32	3	0	364	
<b>DAINIPPON SCREEN MFG. CO., LTD.</b>																	
Patents By Year of Grant:	117	7	7	17	18	31	24	31	19	23	19	14	11	21	4	363	
Patents By Year of Application:	138	28	39	36	20	20	21	19	9	3	9	12	7	2	0	363	
<b>Google Technology Holdings LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	9	354	363	
Patents By Year of Application:	0	0	0	3	6	9	17	22	19	24	51	114	81	15	2	363	
<b>SanDisk IL Ltd.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	13	17	24	40	71	78	50	40	28	361	
Patents By Year of Application:	3	2	8	14	21	37	81	80	42	37	17	12	4	3	0	361	
<b>ADTRAN, INC.</b>																	
Patents By Year of Grant:	55	18	25	17	20	26	15	10	24	16	10	19	36	40	27	358	
Patents By Year of Application:	131	23	28	23	11	9	6	17	15	42	24	20	8	1	0	358	
<b>LAM RESEARCH CORPORATION</b>																	
Patents By Year of Grant:	63	13	22	14	26	13	18	13	17	22	25	24	23	33	31	357	
Patents By Year of Application:	106	23	18	24	23	15	19	20	29	32	11	20	15	2	0	357	



---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>LARGAN PRECISION CO., LTD.</b>																
Patents By Year of Grant:	0	0	0	2	1	2	8	11	5	13	25	46	84	98	62	357
Patents By Year of Application:	0	2	1	1	5	11	11	9	15	54	77	88	63	19	1	357
<b>THOMSON-CSF</b>																
Patents By Year of Grant:	284	39	20	10	1	1	0	0	0	0	0	0	0	0	0	355
Patents By Year of Application:	355	0	0	0	0	0	0	0	0	0	0	0	0	0	0	355
<b>TELCORDIA TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	66	17	17	20	23	33	9	7	8	15	6	32	42	35	24	354
Patents By Year of Application:	155	22	5	15	12	15	8	19	32	23	29	14	4	1	0	354
<b>HANNSTAR DISPLAY CORP.</b>																
Patents By Year of Grant:	0	3	13	31	26	31	20	31	30	20	29	25	30	33	31	353
Patents By Year of Application:	27	32	28	48	22	37	22	18	27	24	18	26	21	3	0	353
<b>SUNPLUS TECHNOLOGY CO., LTD.</b>																
Patents By Year of Grant:	7	8	5	8	9	20	31	43	33	44	46	60	32	5	2	353
Patents By Year of Application:	29	3	11	52	63	38	40	30	33	26	21	3	4	0	0	353
<b>UT-BATTELLE, LLC</b>																
Patents By Year of Grant:	14	15	23	21	20	23	19	16	15	28	27	36	36	26	33	352
Patents By Year of Application:	64	20	28	18	24	27	16	23	34	28	19	21	26	4	0	352
<b>NIDEC CORPORATION</b>																
Patents By Year of Grant:	34	4	4	6	9	13	8	15	35	26	30	36	37	55	38	350
Patents By Year of Application:	41	3	12	12	25	25	36	26	20	24	36	25	43	17	5	350
<b>COCHLEAR LIMITED</b>																
Patents By Year of Grant:	11	5	2	6	2	4	9	12	15	18	35	37	68	66	58	348
Patents By Year of Application:	36	12	12	24	17	27	16	44	41	35	35	27	21	1	0	348
<b>DEUTSCHE TELEKOM AG</b>																
Patents By Year of Grant:	44	18	24	15	16	14	21	15	11	17	17	27	40	34	35	348
Patents By Year of Application:	161	17	14	13	8	13	15	23	20	33	20	5	3	1	2	348
<b>HARMAN INTERNATIONAL INDUSTRIES, INC.</b>																
Patents By Year of Grant:	18	7	10	11	6	27	15	30	18	19	35	41	31	30	50	348
Patents By Year of Application:	54	26	43	21	27	31	22	21	15	20	27	23	14	4	0	348
<b>TELLABS OPERATIONS INC.</b>																
Patents By Year of Grant:	27	9	18	14	15	35	24	29	18	22	24	29	30	24	29	347
Patents By Year of Application:	101	27	19	15	26	25	24	30	22	21	18	9	8	2	0	347

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>ASEA BROWN BOVERI AB</b>																	
Patents By Year of Grant:	120	34	23	22	24	32	17	7	11	8	16	17	7	4	4	346	
Patents By Year of Application:	217	38	26	18	15	5	6	3	4	1	2	8	1	2	0	346	
<b>Round Rock Research, LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	53	112	77	56	37	11	346	
Patents By Year of Application:	1	3	0	3	6	21	61	34	52	52	61	34	16	2	0	346	
<b>TOKAI RIKA DENKI SEISAKUSHO K.K.</b>																	
Patents By Year of Grant:	86	11	23	23	15	25	26	14	18	18	11	15	15	16	30	346	
Patents By Year of Application:	128	21	29	28	16	19	17	18	17	9	12	13	17	2	0	346	
<b>BROCADE COMMUNICATIONS SYSTEMS, INC.</b>																	
Patents By Year of Grant:	1	2	0	4	3	11	21	22	17	14	33	35	39	70	72	344	
Patents By Year of Application:	12	45	25	17	11	5	11	17	52	48	36	25	30	10	0	344	
<b>TOYODA JIDOSHOKKI SEISAKUSHO KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	67	24	15	15	8	19	21	17	17	24	16	15	26	34	26	344	
Patents By Year of Application:	111	23	12	27	17	14	23	18	17	16	24	31	9	1	1	344	
<b>STMICROELECTRONICS, LTD.</b>																	
Patents By Year of Grant:	22	38	52	34	46	28	30	24	14	24	15	5	11	0	0	343	
Patents By Year of Application:	177	52	28	31	26	12	3	3	3	7	0	1	0	0	0	343	
<b>YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD.</b>																	
Patents By Year of Grant:	40	15	14	16	17	11	18	14	16	24	23	40	24	30	37	339	
Patents By Year of Application:	81	14	16	13	21	24	26	38	40	16	10	23	11	6	0	339	
<b>PIXART IMAGING INC.</b>																	
Patents By Year of Grant:	0	1	0	1	3	7	4	13	4	11	13	45	67	86	83	338	
Patents By Year of Application:	1	5	3	14	4	24	8	26	32	56	56	55	44	9	1	338	
<b>SQUARE D COMPANY</b>																	
Patents By Year of Grant:	201	26	28	21	7	16	14	9	7	3	4	2	0	0	0	338	
Patents By Year of Application:	274	14	16	7	7	10	6	2	2	0	0	0	0	0	0	338	
<b>ASMO CO., LTD.</b>																	
Patents By Year of Grant:	61	18	18	33	20	14	19	12	19	25	19	20	18	16	25	337	
Patents By Year of Application:	103	20	22	26	12	30	10	28	17	18	18	24	9	0	0	337	
<b>Cleversafe, Inc.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	1	5	15	68	115	131	337	
Patents By Year of Application:	0	0	0	0	1	2	3	3	14	85	59	64	59	44	3	337	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>IMATION CORP.</b>																
Patents By Year of Grant:	95	11	21	23	15	29	17	15	9	8	9	22	17	24	22	337
Patents By Year of Application:	146	15	20	29	14	17	10	21	13	4	17	13	14	4	0	337
<b>NIPPON SHEET GLASS CO., LTD.</b>																
Patents By Year of Grant:	68	19	27	44	36	36	30	23	10	11	10	7	4	5	7	337
Patents By Year of Application:	146	39	44	24	26	20	8	9	4	3	3	5	3	3	0	337
<b>BEN Q CORPORATION</b>																
Patents By Year of Grant:	0	5	18	36	50	74	107	32	5	4	0	0	0	2	2	335
Patents By Year of Application:	43	36	87	101	43	15	6	0	0	0	1	2	0	1	0	335
<b>OLYMPUS MEDICAL SYSTEMS CORP.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	1	2	8	21	43	77	68	80	35	335
Patents By Year of Application:	0	0	0	0	2	25	28	53	45	22	36	48	62	14	0	335
<b>ASML HOLDING N.V.</b>																
Patents By Year of Grant:	0	0	2	28	36	52	41	32	29	28	20	12	14	22	17	333
Patents By Year of Application:	11	23	47	69	47	34	25	23	20	15	9	7	2	1	0	333
<b>ATI INTERNATIONAL SRL</b>																
Patents By Year of Grant:	61	72	70	59	30	20	12	4	4	0	1	0	0	0	0	333
Patents By Year of Application:	323	3	0	4	3	0	0	0	0	0	0	0	0	0	0	333
<b>GENESYS TELECOMMUNICATIONS LABORATORIES, INC.</b>																
Patents By Year of Grant:	81	31	15	16	8	17	11	11	12	17	14	13	7	29	51	333
Patents By Year of Application:	152	18	12	19	8	12	20	12	13	7	6	22	19	13	0	333
<b>UNIVERSITY OF CENTRAL FLORIDA</b>																
Patents By Year of Grant:	47	7	13	18	17	23	15	27	28	28	25	27	18	20	19	332
Patents By Year of Application:	69	19	25	30	21	30	35	27	17	20	14	13	3	9	0	332
<b>HUGHES ELECTRONIC DEVICES CORPORATION</b>																
Patents By Year of Grant:	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	331
Patents By Year of Application:	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	331
<b>LUTRON ELECTRONICS COMPANY, INC.</b>																
Patents By Year of Grant:	36	5	5	9	4	16	15	18	28	35	31	35	23	38	33	331
Patents By Year of Application:	51	5	14	15	10	41	38	22	20	45	18	25	20	6	1	331
<b>GIESECKE &amp; DEVRIENT GMBH</b>																
Patents By Year of Grant:	32	9	6	10	14	15	11	15	16	26	17	28	39	39	53	330
Patents By Year of Application:	77	30	28	24	22	19	20	24	27	22	18	15	4	0	0	330

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>JOHANNES HEIDENHAIN GMBH</b>																	
Patents By Year of Grant:	63	19	25	17	22	36	27	20	15	20	8	6	14	14	23	329	
Patents By Year of Application:	124	38	27	24	17	21	10	16	15	6	8	13	8	2	0	329	
<b>ANDO ELECTRIC CO., LTD.</b>																	
Patents By Year of Grant:	180	49	46	37	16	0	0	0	0	0	0	0	0	0	0	328	
Patents By Year of Application:	293	30	5	0	0	0	0	0	0	0	0	0	0	0	0	328	
<b>Covidien LP</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	2	132	105	89	328	
Patents By Year of Application:	0	0	0	1	2	12	9	21	47	57	56	71	38	13	1	328	
<b>SENSORMATIC ELECTRONICS CORPORATION</b>																	
Patents By Year of Grant:	130	9	9	10	12	21	14	8	20	26	21	29	10	3	5	327	
Patents By Year of Application:	161	15	19	16	29	25	13	18	16	7	2	3	3	0	0	327	
<b>SIEMENS CORPORATE RESEARCH, INC.</b>																	
Patents By Year of Grant:	115	15	27	22	22	46	34	19	25	1	0	1	0	0	0	327	
Patents By Year of Application:	209	41	26	12	28	7	3	1	0	0	0	0	0	0	0	327	
<b>VISA U.S.A., INC.</b>																	
Patents By Year of Grant:	0	0	0	0	2	7	2	8	11	37	37	44	74	81	24	327	
Patents By Year of Application:	1	6	15	7	10	16	63	63	40	30	22	29	22	3	0	327	
<b>VALEO VISION</b>																	
Patents By Year of Grant:	60	18	17	16	17	18	16	24	21	21	16	11	29	21	21	326	
Patents By Year of Application:	101	19	27	17	22	30	22	18	7	22	22	11	6	2	0	326	
<b>CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS</b>																	
Patents By Year of Grant:	28	10	9	15	16	18	14	13	17	26	24	24	32	42	36	324	
Patents By Year of Application:	51	29	40	15	24	25	24	25	24	26	26	12	2	1	0	324	
<b>INSTITUTE FOR INFORMATION INDUSTRY</b>																	
Patents By Year of Grant:	4	14	5	5	8	6	15	10	6	16	28	42	57	53	54	323	
Patents By Year of Application:	36	3	10	18	5	16	35	23	46	38	33	29	27	2	2	323	
<b>TELECOMMUNICATION SYSTEMS, INC.</b>																	
Patents By Year of Grant:	0	1	3	5	7	11	6	12	14	24	43	57	37	44	59	323	
Patents By Year of Application:	32	6	13	8	15	35	28	26	26	20	36	35	25	16	2	323	
<b>BLACK &amp; DECKER INC.</b>																	
Patents By Year of Grant:	63	10	18	17	21	31	18	23	15	28	18	21	11	11	17	322	
Patents By Year of Application:	93	27	26	24	34	24	9	30	12	14	11	10	7	1	0	322	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>HUGHES AIRCRAFT COMPANY</b>																
Patents By Year of Grant:	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	322
Patents By Year of Application:	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	322
<b>MITA INDUSTRIAL COMPANY LTD.</b>																
Patents By Year of Grant:	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	322
Patents By Year of Application:	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	322
<b>QINETIQ LIMITED</b>																
Patents By Year of Grant:	0	15	24	25	25	34	28	31	23	25	22	22	15	23	10	322
Patents By Year of Application:	69	57	59	38	15	20	19	10	20	9	5	1	0	0	0	322
<b>BATTELLE MEMORIAL INSTITUTE</b>																
Patents By Year of Grant:	32	11	19	23	27	31	18	17	18	16	20	19	19	27	24	321
Patents By Year of Application:	83	33	30	21	24	24	16	12	19	14	13	15	10	7	0	321
<b>INFINERA CORPORATION</b>																
Patents By Year of Grant:	0	0	0	2	1	35	14	14	29	23	24	47	37	49	45	320
Patents By Year of Application:	0	14	4	25	24	30	43	32	44	44	25	24	8	3	0	320
<b>VARIAN SEMICONDUCTOR EQUIPMENT ASSOCIATES, INC.</b>																
Patents By Year of Grant:	9	9	11	14	5	12	14	29	31	38	24	22	30	39	33	320
Patents By Year of Application:	40	13	3	11	26	39	35	22	22	32	25	16	29	6	1	320
<b>CHI MEI COMMUNICATION SYSTEMS, INC.</b>																
Patents By Year of Grant:	0	0	1	0	2	4	1	3	6	30	80	104	35	28	25	319
Patents By Year of Application:	0	1	2	6	1	0	31	74	107	35	25	18	19	0	0	319
<b>MICRON ELECTRONICS, INC.</b>																
Patents By Year of Grant:	303	11	2	1	0	1	0	0	0	0	0	0	0	0	0	318
Patents By Year of Application:	317	0	1	0	0	0	0	0	0	0	0	0	0	0	0	318
<b>ACER INCORPORATED</b>																
Patents By Year of Grant:	24	9	4	4	3	3	14	5	2	13	16	27	44	63	86	317
Patents By Year of Application:	39	3	10	12	3	8	5	21	34	37	34	60	46	4	1	317
<b>CONTINENTAL TEVES AG &amp; CO., OHG</b>																
Patents By Year of Grant:	25	23	19	16	8	7	11	6	4	8	20	39	58	35	38	317
Patents By Year of Application:	73	24	17	14	19	19	30	48	21	17	22	10	3	0	0	317
<b>HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH</b>																
Patents By Year of Grant:	0	0	0	3	5	15	26	21	15	31	33	39	42	43	44	317
Patents By Year of Application:	28	15	12	36	33	28	36	29	14	20	24	28	12	2	0	317

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>WEST CORPORATION</b>																	
Patents By Year of Grant:	0	0	0	2	3	5	7	7	6	17	19	53	54	73	71	317	
Patents By Year of Application:	10	9	10	13	5	18	28	41	18	25	40	37	28	30	5	317	
<b>Fu Tai Hua Industry (Shenzhen) Co., Ltd.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	33	91	101	89	316	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	71	106	91	40	8	0	316	
<b>MICREL INCORPORATED</b>																	
Patents By Year of Grant:	25	10	17	25	24	31	27	29	27	26	18	10	12	19	16	316	
Patents By Year of Application:	56	23	31	33	32	34	24	21	15	6	7	18	13	2	1	316	
<b>NOKIA NETWORKS OY</b>																	
Patents By Year of Grant:	45	85	37	58	37	41	8	0	0	4	0	0	1	0	0	316	
Patents By Year of Application:	310	4	0	1	0	0	1	0	0	0	0	0	0	0	0	316	
<b>ZF FRIEDRICHSHAFEN, AG</b>																	
Patents By Year of Grant:	27	15	16	9	5	10	6	10	13	22	22	46	47	35	33	316	
Patents By Year of Application:	59	13	11	13	16	19	34	38	30	26	28	8	17	4	0	316	
<b>AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH</b>																	
Patents By Year of Grant:	0	0	0	2	10	13	22	18	12	25	35	48	28	57	45	315	
Patents By Year of Application:	6	17	27	43	31	30	30	28	23	19	19	30	12	0	0	315	
<b>SILICONWARE PRECISION INDUSTRIES CO., LTD.</b>																	
Patents By Year of Grant:	17	45	49	34	20	16	23	13	9	11	11	8	16	21	22	315	
Patents By Year of Application:	115	32	28	24	19	10	11	12	1	15	15	23	10	0	0	315	
<b>UNITED PARCEL SERVICE OF AMERICA, INC.</b>																	
Patents By Year of Grant:	49	4	6	4	7	10	16	19	25	30	27	19	27	37	35	315	
Patents By Year of Application:	74	15	13	26	22	18	19	21	18	17	25	16	17	13	1	315	
<b>UNITED VIDEO PROPERTIES, INC.</b>																	
Patents By Year of Grant:	22	11	14	15	7	8	8	5	14	20	29	38	54	68	2	315	
Patents By Year of Application:	78	12	21	11	12	14	27	15	32	28	26	25	13	1	0	315	
<b>JTEKT Corporation</b>																	
Patents By Year of Grant:	0	0	0	0	0	1	12	18	20	35	31	44	33	64	53	311	
Patents By Year of Application:	0	1	6	9	14	21	38	47	45	25	26	41	27	10	1	311	
<b>SAE MAGNETICS (H.K.) LTD.</b>																	
Patents By Year of Grant:	5	0	8	18	13	23	23	28	33	29	32	27	21	27	22	309	
Patents By Year of Application:	20	26	32	33	28	35	27	18	12	19	25	15	14	5	0	309	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>FORM FACTOR, INC.</b>																
Patents By Year of Grant:	18	13	21	24	20	20	25	21	28	40	31	20	13	9	5	308
Patents By Year of Application:	77	23	16	25	22	37	24	37	21	14	7	5	0	0	0	308
<b>KONICA MINOLTA HOLDINGS, INC.</b>																
Patents By Year of Grant:	0	0	0	4	10	24	25	35	29	41	46	36	18	25	15	308
Patents By Year of Application:	3	1	34	50	39	44	44	32	18	19	20	4	0	0	0	308
<b>THE AEROSPACE CORPORATION</b>																
Patents By Year of Grant:	52	20	6	14	12	23	11	12	19	16	15	24	32	25	27	308
Patents By Year of Application:	90	26	11	15	20	8	24	5	25	34	14	20	12	4	0	308
<b>INTERDIGITAL PATENT HOLDINGS, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	5	39	47	104	111	307
Patents By Year of Application:	0	0	0	0	0	0	0	34	61	55	47	58	27	25	0	307
<b>PMC-SIERRA LTD.</b>																
Patents By Year of Grant:	58	23	19	15	9	20	22	21	17	22	21	13	16	11	20	307
Patents By Year of Application:	131	22	9	15	12	22	15	17	16	15	8	14	9	2	0	307
<b>FUJITSU COMPONENT LIMITED</b>																
Patents By Year of Grant:	0	1	0	3	7	11	14	16	34	30	34	38	34	42	40	304
Patents By Year of Application:	3	7	15	30	28	29	26	39	32	22	16	26	21	9	1	304
<b>UNITED TECHNOLOGIES CORPORATION</b>																
Patents By Year of Grant:	83	13	6	8	13	12	18	12	11	19	22	24	20	27	15	303
Patents By Year of Application:	111	12	15	23	12	19	22	25	11	14	17	21	1	0	0	303
<b>ASAHI GLASS COMPANY, LTD.</b>																
Patents By Year of Grant:	77	13	23	20	10	15	10	17	11	22	17	17	24	12	14	302
Patents By Year of Application:	116	22	12	14	15	13	26	11	12	12	19	20	7	3	0	302
<b>COHERENT, INC.</b>																
Patents By Year of Grant:	56	6	13	13	7	21	20	24	18	26	19	11	27	22	19	302
Patents By Year of Application:	76	15	17	22	13	25	22	25	16	12	26	16	9	8	0	302
<b>LITE-ON TECHNOLOGY CORPORATION</b>																
Patents By Year of Grant:	2	0	2	23	20	35	19	32	50	39	21	6	3	16	34	302
Patents By Year of Application:	21	21	28	36	38	40	43	19	2	3	6	14	22	9	0	302
<b>JAPAN SCIENCE AND TECHNOLOGY AGENCY</b>																
Patents By Year of Grant:	0	0	0	5	12	27	30	34	39	48	31	33	17	10	14	300
Patents By Year of Application:	7	37	40	48	55	26	25	17	15	10	9	7	4	0	0	300

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>QLOGIC CORPORATION</b>																	
Patents By Year of Grant:	10	5	2	2	5	6	12	40	38	39	34	22	21	21	42	299	
Patents By Year of Application:	19	15	14	50	21	29	21	23	28	16	17	28	18	0	0	299	
<b>Carestream Health, Inc.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	8	28	40	38	34	31	42	44	33	298	
Patents By Year of Application:	1	0	8	21	31	39	21	33	33	28	37	29	12	3	2	298	
<b>FEI COMPANY</b>																	
Patents By Year of Grant:	5	5	8	12	12	11	5	11	11	10	19	30	37	69	53	298	
Patents By Year of Application:	25	8	10	12	10	18	22	12	22	15	44	45	34	21	0	298	
<b>EXXONMOBIL UPSTREAM RESEARCH COMPANY</b>																	
Patents By Year of Grant:	9	12	10	12	7	7	7	13	13	22	18	38	48	44	37	297	
Patents By Year of Application:	33	18	11	16	20	23	24	29	50	23	30	14	2	4	0	297	
<b>HUAWEI DEVICE CO., LTD.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	11	67	93	124	297	
Patents By Year of Application:	0	0	0	0	0	0	0	0	7	23	66	135	59	7	0	297	
<b>SIEMENS AUDIOLOGISCHE TECHNIK GMBH</b>																	
Patents By Year of Grant:	32	7	10	5	7	15	22	17	22	39	30	66	19	6	0	297	
Patents By Year of Application:	57	6	21	34	31	40	75	27	3	1	2	0	0	0	0	297	
<b>NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY</b>																	
Patents By Year of Grant:	0	3	7	11	22	19	19	13	26	32	35	33	24	22	30	296	
Patents By Year of Application:	16	27	33	22	24	28	43	25	24	16	19	4	15	0	0	296	
<b>SHOWA DENKO KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	22	18	15	14	11	10	6	13	25	30	39	36	20	19	18	296	
Patents By Year of Application:	55	16	21	23	35	35	25	18	23	15	11	6	9	4	0	296	
<b>SIEBEL SYSTEMS, INC.</b>																	
Patents By Year of Grant:	11	5	8	14	8	22	29	19	28	57	35	15	23	17	4	295	
Patents By Year of Application:	94	73	37	28	16	12	10	10	3	4	6	2	0	0	0	295	
<b>TOSHIBA LIGHTING &amp; TECHNOLOGY CORPORATION</b>																	
Patents By Year of Grant:	42	9	11	12	4	3	7	5	4	4	10	15	53	84	32	295	
Patents By Year of Application:	66	7	8	5	6	7	2	4	24	32	43	65	24	2	0	295	
<b>HEIDELBERGER DRUCKMASCHINEN AG</b>																	
Patents By Year of Grant:	45	33	48	34	17	12	14	16	13	8	8	12	14	17	3	294	
Patents By Year of Application:	152	33	25	12	12	8	13	5	10	9	6	7	1	1	0	294	



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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>ZYGO CORPORATION</b>																
Patents By Year of Grant:	52	5	17	32	28	27	29	25	23	11	17	7	2	9	10	294
Patents By Year of Application:	80	46	27	25	24	22	21	12	14	4	7	7	3	2	0	294
<b>OCE PRINTING SYSTEMS GMBH</b>																
Patents By Year of Grant:	66	13	9	13	11	17	20	28	14	23	15	25	23	11	5	293
Patents By Year of Application:	112	23	42	19	14	16	22	7	9	12	8	4	5	0	0	293
<b>Lawrence Livermore National Security, LLC</b>																
Patents By Year of Grant:	0	0	0	0	0	0	1	28	19	23	28	40	51	57	45	292
Patents By Year of Application:	1	2	3	13	12	33	18	29	31	49	46	28	22	5	0	292
<b>COGNEX CORPORATION</b>																
Patents By Year of Grant:	112	18	13	23	8	12	3	1	0	2	9	25	22	20	22	290
Patents By Year of Application:	177	3	13	12	0	9	12	10	9	10	10	17	8	0	0	290
<b>INVENSYS SYSTEMS, INC.</b>																
Patents By Year of Grant:	1	2	5	21	11	24	16	14	24	35	34	28	31	23	21	290
Patents By Year of Application:	46	21	12	18	23	30	30	19	15	28	16	18	8	6	0	290
<b>O2 MICRO INTERNATIONAL LTD.</b>																
Patents By Year of Grant:	10	8	8	20	21	26	19	41	43	44	24	17	5	4	0	290
Patents By Year of Application:	34	23	37	33	43	45	23	12	15	16	6	3	0	0	0	290
<b>SIEMENS INFORMATION AND COMMUNICATIONS NETWORKS, INC.</b>																
Patents By Year of Grant:	146	49	33	57	2	0	2	1	0	0	0	0	0	0	0	290
Patents By Year of Application:	282	5	2	0	1	0	0	0	0	0	0	0	0	0	0	290
<b>ALCATEL N. V.</b>																
Patents By Year of Grant:	286	2	0	0	0	0	0	1	0	0	0	0	0	0	0	289
Patents By Year of Application:	289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	289
<b>BOE TECHNOLOGY GROUP CO., LTD.</b>																
Patents By Year of Grant:	0	0	0	0	2	0	0	0	0	0	0	5	11	39	230	287
Patents By Year of Application:	0	0	2	0	0	0	0	2	6	2	27	129	97	22	0	287
<b>MASTERCARD INTERNATIONAL, INC.</b>																
Patents By Year of Grant:	7	1	2	2	3	5	4	7	7	20	24	41	49	71	44	287
Patents By Year of Application:	21	7	4	5	9	11	45	29	25	25	43	36	18	9	0	287
<b>Verizon Business Global LLC</b>																
Patents By Year of Grant:	0	0	0	0	0	0	27	36	27	47	43	39	41	26	1	287
Patents By Year of Application:	25	39	23	54	60	18	11	14	16	15	7	4	1	0	0	287

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>THOMSON CONSUMER ELECTRONICS, INC.</b>																	
Patents By Year of Grant:	285	1	0	0	0	0	0	0	0	0	0	0	0	0	0	286	
Patents By Year of Application:	286	0	0	0	0	0	0	0	0	0	0	0	0	0	0	286	
<b>Open Invention Network, LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	2	3	4	4	12	14	23	45	82	96	285	
Patents By Year of Application:	8	7	2	3	7	13	9	22	19	40	41	32	44	34	4	285	
<b>ROSEMOUNT INC.</b>																	
Patents By Year of Grant:	57	15	20	11	10	11	15	12	15	23	22	19	11	19	25	285	
Patents By Year of Application:	104	10	15	17	20	25	24	12	19	14	11	5	9	0	0	285	
<b>NORTHROP GRUMMAN SYSTEMS CORPORATION</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	7	9	48	48	39	49	35	49	284	
Patents By Year of Application:	1	3	5	1	10	22	55	35	28	33	29	31	23	8	0	284	
<b>SYNAPTICS, INC.</b>																	
Patents By Year of Grant:	29	4	3	2	3	4	6	13	9	14	20	21	29	50	77	284	
Patents By Year of Application:	40	4	6	5	9	18	19	16	22	35	25	36	36	13	0	284	
<b>WALKER DIGITAL, LLC</b>																	
Patents By Year of Grant:	47	22	13	11	11	11	19	18	25	34	31	19	21	1	0	283	
Patents By Year of Application:	145	12	8	12	8	36	17	8	11	6	9	9	2	0	0	283	
<b>DELCO ELECTRONICS CORPORATION</b>																	
Patents By Year of Grant:	281	1	0	0	0	0	0	0	0	0	0	0	0	0	0	282	
Patents By Year of Application:	282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	282	
<b>HITACHI MAXELL, LTD.</b>																	
Patents By Year of Grant:	46	16	14	12	10	15	12	14	13	22	17	14	9	14	54	282	
Patents By Year of Application:	87	16	15	13	13	16	13	22	16	17	19	13	9	12	1	282	
<b>NATIONAL TSING HUA UNIVERSITY</b>																	
Patents By Year of Grant:	1	0	0	2	3	3	7	12	7	16	19	46	48	66	52	282	
Patents By Year of Application:	1	1	5	6	12	11	14	18	30	55	32	54	35	8	0	282	
<b>VERIZON LABORATORIES INC.</b>																	
Patents By Year of Grant:	21	37	40	20	20	29	14	15	13	24	12	14	11	11	1	282	
Patents By Year of Application:	165	25	26	12	14	14	4	4	7	3	5	2	1	0	0	282	
<b>EPISTAR CORPORATION</b>																	
Patents By Year of Grant:	6	0	1	0	3	13	8	9	8	18	25	30	39	62	59	281	
Patents By Year of Application:	7	2	8	8	27	6	11	27	24	29	50	33	39	8	2	281	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>FARADAY TECHNOLOGY CORPORATION</b>																
Patents By Year of Grant:	7	10	14	24	18	37	31	30	23	35	18	12	9	8	5	281
Patents By Year of Application:	27	37	28	37	37	27	24	17	15	10	11	7	2	2	0	281
<b>SYSTEM-GENERAL CORPORATION</b>																
Patents By Year of Grant:	3	3	4	11	13	18	20	21	34	33	30	16	30	30	14	280
Patents By Year of Application:	8	6	17	21	35	48	35	25	23	19	22	15	5	1	0	280
<b>PHISON ELECTRONIC CORP.</b>																
Patents By Year of Grant:	0	1	1	2	2	1	11	6	4	6	33	46	47	53	66	279
Patents By Year of Application:	1	2	6	2	8	6	11	42	41	33	43	44	30	8	2	279
<b>IOMEGA CORPORATION</b>																
Patents By Year of Grant:	186	19	25	21	7	8	5	3	2	1	0	1	0	0	0	278
Patents By Year of Application:	255	1	11	3	2	4	1	0	0	1	0	0	0	0	0	278
<b>JEOL LTD.</b>																
Patents By Year of Grant:	60	13	16	27	17	21	9	18	15	17	16	11	10	17	11	278
Patents By Year of Application:	97	24	10	19	21	18	20	15	12	7	9	7	14	5	0	278
<b>ROCKWELL INTERNATIONAL CORPORATION</b>																
Patents By Year of Grant:	277	0	1	0	0	0	0	0	0	0	0	0	0	0	0	278
Patents By Year of Application:	278	0	0	0	0	0	0	0	0	0	0	0	0	0	0	278
<b>AVID TECHNOLOGY, INC.</b>																
Patents By Year of Grant:	98	25	24	21	11	10	8	6	8	14	10	10	10	13	9	277
Patents By Year of Application:	169	16	17	14	10	5	3	7	4	10	9	8	3	1	1	277
<b>PS4 Luxco S.A.R.L.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	110	165	275
Patents By Year of Application:	0	0	0	0	0	0	1	1	5	8	45	89	67	55	4	275
<b>WHIRLPOOL CORPORATION</b>																
Patents By Year of Grant:	43	5	9	8	12	5	7	6	10	14	30	28	48	29	21	275
Patents By Year of Application:	59	10	10	9	11	16	38	37	34	27	5	8	10	1	0	275
<b>HONG KONG APPLIED SCIENCE AND TECHNOLOGY RESEARCH INSTITUTE CO. LTD.</b>																
Patents By Year of Grant:	0	0	0	0	2	1	4	9	19	48	36	37	37	47	34	274
Patents By Year of Application:	0	2	5	5	13	25	34	43	30	31	30	32	18	6	0	274
<b>VARIAN MEDICAL SYSTEMS, INC.</b>																
Patents By Year of Grant:	18	16	9	12	6	5	1	3	18	34	24	38	30	34	26	274
Patents By Year of Application:	53	9	13	5	12	19	21	35	24	31	20	20	11	1	0	274

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>LITE-ON IT CORPORATION</b>																	
Patents By Year of Grant:	0	6	9	16	17	25	34	38	26	24	26	30	21	1	0	273	
Patents By Year of Application:	19	20	32	40	51	16	29	25	16	15	6	4	0	0	0	273	
<b>VOLKSWAGEN AKTIENGESELLSCHAFT</b>																	
Patents By Year of Grant:	37	12	7	10	12	3	8	11	12	19	15	14	23	36	54	273	
Patents By Year of Application:	63	20	12	6	35	18	16	21	18	17	15	15	10	7	0	273	
<b>FAIRCHILD KOREA SEMICONDUCTOR, LTD.</b>																	
Patents By Year of Grant:	23	10	13	6	12	10	9	8	16	34	24	35	23	33	16	272	
Patents By Year of Application:	46	13	15	12	11	14	28	30	30	21	28	17	7	0	0	272	
<b>MIPS TECHNOLOGIES INC.</b>																	
Patents By Year of Grant:	10	8	8	12	4	25	29	14	40	58	32	22	4	2	4	272	
Patents By Year of Application:	88	14	6	14	25	59	26	13	13	7	4	1	2	0	0	272	
<b>JOHN FLUKE MFG. CO., INC.</b>																	
Patents By Year of Grant:	67	4	10	4	1	6	6	9	10	14	30	24	35	26	24	270	
Patents By Year of Application:	87	3	5	8	3	17	21	29	28	19	20	13	16	0	1	270	
<b>SILICON STORAGE TECHNOLOGY, INC.</b>																	
Patents By Year of Grant:	18	13	19	15	32	26	26	21	14	31	14	9	14	11	6	269	
Patents By Year of Application:	53	27	35	29	21	11	25	15	14	14	12	8	5	0	0	269	
<b>VISA INTERNATIONAL SERVICE ASSOCIATION</b>																	
Patents By Year of Grant:	25	8	5	2	1	2	1	2	3	13	21	33	58	60	34	268	
Patents By Year of Application:	45	4	5	4	6	4	4	12	27	54	38	39	19	6	1	268	
<b>RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK</b>																	
Patents By Year of Grant:	61	9	9	11	9	10	7	12	18	14	21	17	21	24	24	267	
Patents By Year of Application:	100	13	16	6	9	19	19	13	12	9	22	15	7	5	2	267	
<b>SONY DEUTSCHLAND GMBH</b>																	
Patents By Year of Grant:	2	0	0	0	0	12	31	23	28	52	41	34	25	14	5	267	
Patents By Year of Application:	34	26	18	31	42	24	35	25	6	10	8	4	3	1	0	267	
<b>Ericsson AB</b>																	
Patents By Year of Grant:	0	0	0	0	0	4	21	26	22	52	47	43	21	16	12	264	
Patents By Year of Application:	25	38	29	34	22	23	24	21	9	11	12	10	3	3	0	264	
<b>PHONAK AG</b>																	
Patents By Year of Grant:	6	4	8	17	9	19	20	22	20	24	33	19	32	21	10	264	
Patents By Year of Application:	51	16	15	37	24	40	32	14	16	15	4	0	0	0	0	264	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>ZENITH ELECTRONICS CORPORATION</b>																
Patents By Year of Grant:	144	8	16	14	10	7	14	8	4	5	8	14	5	4	3	264
Patents By Year of Application:	191	11	13	10	7	6	13	2	6	3	0	0	1	1	0	264
<b>SANKYO SEIKI MFG. CO., LTD.</b>																
Patents By Year of Grant:	141	20	35	30	25	10	1	0	1	0	0	0	0	0	0	263
Patents By Year of Application:	207	31	18	6	1	0	0	0	0	0	0	0	0	0	0	263
<b>SONY UNITED KINGDOM LIMITED</b>																
Patents By Year of Grant:	17	19	23	24	6	22	20	20	26	21	23	16	15	9	0	261
Patents By Year of Application:	116	19	29	22	21	17	17	6	7	4	1	2	0	0	0	261
<b>AGFA-GEVAERT N.V.</b>																
Patents By Year of Grant:	146	20	13	11	8	17	20	6	3	5	2	2	0	2	3	258
Patents By Year of Application:	188	14	20	8	11	8	2	0	0	1	4	2	0	0	0	258
<b>BELL ATLANTIC NETWORK SERVICES, INC.</b>																
Patents By Year of Grant:	245	9	1	2	1	0	0	0	0	0	0	0	0	0	0	258
Patents By Year of Application:	258	0	0	0	0	0	0	0	0	0	0	0	0	0	0	258
<b>F5 NETWORKS, INC.</b>																
Patents By Year of Grant:	0	3	0	0	1	7	7	12	15	19	19	34	58	39	44	258
Patents By Year of Application:	16	17	15	10	17	17	13	30	16	27	39	24	14	3	0	258
<b>MINNESOTA MINING AND MANUFACTURING COMPANY</b>																
Patents By Year of Grant:	249	7	2	0	0	0	0	0	0	0	0	0	0	0	0	258
Patents By Year of Application:	258	0	0	0	0	0	0	0	0	0	0	0	0	0	0	258
<b>NHK SPRING CO., LTD.</b>																
Patents By Year of Grant:	27	4	13	15	15	16	7	9	8	19	15	44	25	22	19	258
Patents By Year of Application:	55	21	12	14	5	23	12	18	18	26	18	15	18	3	0	258
<b>POLYCOM, INC.</b>																
Patents By Year of Grant:	7	3	7	6	11	17	13	9	15	23	25	35	32	27	28	258
Patents By Year of Application:	35	17	27	12	38	26	14	12	16	18	18	14	9	2	0	258
<b>PURDUE RESEARCH FOUNDATION</b>																
Patents By Year of Grant:	16	3	7	9	9	8	17	14	15	19	15	13	25	42	45	257
Patents By Year of Application:	37	8	11	13	25	16	21	18	18	13	13	27	21	14	2	257
<b>ANRITSU CORPORATION</b>																
Patents By Year of Grant:	42	11	19	22	17	11	10	15	16	9	13	16	19	18	18	256
Patents By Year of Application:	94	17	15	10	20	11	16	10	5	15	10	16	14	3	0	256



---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>Innocom Technology (Shenzhen) Co., Ltd.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	6	16	17	47	61	36	30	12	26	251
Patents By Year of Application:	0	0	0	3	7	30	70	68	16	19	5	30	2	0	1	251
<b>NATIONAL INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</b>																
Patents By Year of Grant:	0	0	0	6	12	26	31	27	28	23	29	18	15	26	10	251
Patents By Year of Application:	9	27	40	40	37	28	10	20	13	16	6	4	1	0	0	251
<b>COMPAL ELECTRONICS, INC.</b>																
Patents By Year of Grant:	40	16	11	17	6	3	4	16	18	12	20	24	11	24	28	250
Patents By Year of Application:	68	16	9	4	13	14	28	13	13	14	22	25	10	1	0	250
<b>CREATIVE TECHNOLOGY, LTD.</b>																
Patents By Year of Grant:	44	15	9	9	14	10	18	9	9	10	14	27	25	19	18	250
Patents By Year of Application:	100	7	14	19	15	16	22	23	14	16	3	1	0	0	0	250
<b>EBARA CORPORATION</b>																
Patents By Year of Grant:	56	12	14	14	16	23	19	18	9	11	15	7	9	14	13	250
Patents By Year of Application:	97	13	22	17	15	14	18	15	9	4	9	4	7	6	0	250
<b>Gemalto SA</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	7	32	29	33	56	53	40	250
Patents By Year of Application:	17	14	13	11	28	22	23	29	24	31	22	12	3	1	0	250
<b>MINDSPEED TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	0	1	4	44	30	52	24	17	17	19	11	7	5	13	6	250
Patents By Year of Application:	88	39	18	24	26	13	9	5	9	10	5	2	2	0	0	250
<b>Rockstar Consortium US LP</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	18	89	108	35	250
Patents By Year of Application:	7	4	8	15	19	15	11	11	9	21	45	64	15	6	0	250
<b>SIRF TECHNOLOGY, INC.</b>																
Patents By Year of Grant:	13	14	22	19	16	28	19	20	19	42	30	7	0	0	0	249
Patents By Year of Application:	71	44	23	25	21	28	23	9	3	1	1	0	0	0	0	249
<b>Sony Computer Entertainment America LLC</b>																
Patents By Year of Grant:	0	0	1	4	1	11	10	13	8	26	21	30	39	44	41	249
Patents By Year of Application:	15	12	12	6	9	23	22	41	24	32	23	12	14	4	0	249
<b>LOGITECH EUROPE S.A.</b>																
Patents By Year of Grant:	1	13	15	15	11	12	13	18	15	12	17	23	22	31	30	248
Patents By Year of Application:	64	10	9	27	13	20	14	16	8	12	21	22	11	1	0	248

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>WISTRON NEWEB CORPORATION</b>																	
Patents By Year of Grant:	0	0	2	5	3	9	18	18	20	21	27	24	27	33	41	248	
Patents By Year of Application:	1	5	6	13	24	18	24	25	32	23	16	29	26	6	0	248	
<b>Alpha and Omega Semiconductor Incorporated</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	1	0	2	12	27	36	52	47	70	247	
Patents By Year of Application:	0	0	1	0	1	1	10	17	34	34	39	47	41	20	2	247	
<b>BEIJING BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	12	27	32	57	46	72	247	
Patents By Year of Application:	0	0	0	0	0	0	14	44	27	62	35	31	33	1	0	247	
<b>MATSUSHITA ELECTRONICS CORPORATION</b>																	
Patents By Year of Grant:	221	18	6	2	0	0	0	0	0	0	0	0	0	0	0	247	
Patents By Year of Application:	245	1	1	0	0	0	0	0	0	0	0	0	0	0	0	247	
<b>NLT Technologies, Ltd.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	57	76	75	37	246	
Patents By Year of Application:	0	0	0	1	2	9	24	38	32	42	32	23	32	10	1	246	
<b>E INK CORPORATION</b>																	
Patents By Year of Grant:	14	8	12	17	12	23	23	15	15	26	21	16	21	11	11	245	
Patents By Year of Application:	51	20	18	26	17	23	22	15	11	16	15	6	3	2	0	245	
<b>KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY</b>																	
Patents By Year of Grant:	38	9	11	10	5	14	13	9	9	11	15	26	19	28	28	245	
Patents By Year of Application:	65	14	7	15	13	15	9	17	20	21	15	17	14	3	0	245	
<b>SILICON IMAGE, INC.</b>																	
Patents By Year of Grant:	20	5	6	10	17	19	16	15	20	17	23	13	21	26	17	245	
Patents By Year of Application:	65	21	18	7	7	16	30	15	15	16	11	6	17	0	1	245	
<b>UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY</b>																	
Patents By Year of Grant:	113	12	13	11	8	7	6	8	8	16	9	11	8	8	7	245	
Patents By Year of Application:	141	11	11	3	9	9	16	11	8	7	6	5	7	1	0	245	
<b>GOLDMAN, SACHS &amp; CO.</b>																	
Patents By Year of Grant:	0	0	2	2	4	7	16	20	11	22	37	40	53	23	7	244	
Patents By Year of Application:	55	23	20	11	13	7	24	13	10	17	31	13	7	0	0	244	
<b>PANTECH CO. LTD.</b>																	
Patents By Year of Grant:	0	0	0	1	1	2	7	6	11	13	11	27	46	60	59	244	
Patents By Year of Application:	0	1	5	5	15	19	6	7	28	40	56	27	25	9	1	244	



---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>SAMSUNG TECHWIN CO., LTD.</b>																
Patents By Year of Grant:	0	4	3	6	8	13	19	33	28	13	19	18	18	30	31	243
Patents By Year of Application:	13	2	20	30	41	11	17	13	21	16	16	25	18	0	0	243
<b>SCIENCE APPLICATIONS INTERNATIONAL CORPORATION</b>																
Patents By Year of Grant:	31	8	15	22	18	30	23	29	16	13	15	6	12	3	2	243
Patents By Year of Application:	85	14	19	22	25	35	20	4	6	8	2	2	1	0	0	243
<b>DIALOG SEMICONDUCTOR GMBH</b>																
Patents By Year of Grant:	1	3	12	20	23	31	20	7	15	7	11	14	20	25	33	242
Patents By Year of Application:	15	28	24	44	9	9	6	9	16	18	21	19	18	6	0	242
<b>HARTFORD FIRE INSURANCE COMPANY</b>																
Patents By Year of Grant:	3	0	0	0	0	0	1	2	5	14	35	43	56	63	19	241
Patents By Year of Application:	8	3	3	1	1	2	29	25	27	33	42	41	20	5	1	241
<b>MURATA KIKAI KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	45	10	14	11	23	29	33	23	19	22	7	3	2	0	0	241
Patents By Year of Application:	105	30	24	21	18	25	15	1	0	1	1	0	0	0	0	241
<b>GENERAL HOSPITAL CORPORATION</b>																
Patents By Year of Grant:	16	2	11	5	6	5	8	15	16	28	45	27	18	16	22	240
Patents By Year of Application:	39	8	8	19	17	22	31	26	24	16	15	12	3	0	0	240
<b>MASIMO CORPORATION</b>																
Patents By Year of Grant:	26	8	15	14	9	16	16	16	10	5	20	17	22	18	28	240
Patents By Year of Application:	60	10	27	14	16	17	23	8	9	11	13	17	9	6	0	240
<b>SCHNEIDER ELECTRIC INDUSTRIES SAS</b>																
Patents By Year of Grant:	16	18	23	15	13	9	14	12	8	14	15	15	16	22	30	240
Patents By Year of Application:	59	19	20	6	16	17	16	16	15	11	12	23	8	2	0	240
<b>PIXAR</b>																
Patents By Year of Grant:	7	0	0	4	2	10	13	17	15	24	30	29	40	29	19	239
Patents By Year of Application:	13	0	9	29	18	19	29	39	24	23	23	2	9	2	0	239
<b>WHITAKER CORPORATION</b>																
Patents By Year of Grant:	219	12	4	2	1	1	0	0	0	0	0	0	0	0	0	239
Patents By Year of Application:	239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	239
<b>CREDESCENCE SYSTEMS CORPORATION</b>																
Patents By Year of Grant:	100	13	6	12	18	34	25	16	6	4	0	1	1	1	0	237
Patents By Year of Application:	128	18	20	39	17	9	4	1	0	1	0	0	0	0	0	237

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>SGS-THOMSON MICROELECTRONICS, INC.</b>																	
Patents By Year of Grant:	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	237	
Patents By Year of Application:	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	237	
<b>VERIZON SERVICES CORP.</b>																	
Patents By Year of Grant:	0	10	13	19	13	20	14	13	18	35	23	22	21	16	0	237	
Patents By Year of Application:	76	16	15	13	30	43	10	7	7	11	6	2	1	0	0	237	
<b>Lenovo Enterprise Solutions (Singapore) Pte. Ltd.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	23	213	236	
Patents By Year of Application:	0	0	0	0	1	3	3	5	6	7	17	79	95	20	0	236	
<b>BMC SOFTWARE, INC.</b>																	
Patents By Year of Grant:	26	3	9	6	8	12	6	3	9	17	17	13	30	39	37	235	
Patents By Year of Application:	59	15	10	9	13	6	14	2	27	25	25	15	13	2	0	235	
<b>UNIVERSITY OF SOUTHERN CALIFORNIA</b>																	
Patents By Year of Grant:	17	9	9	9	6	10	12	11	15	17	13	39	28	21	19	235	
Patents By Year of Application:	47	17	14	6	23	12	19	27	20	12	17	11	10	0	0	235	
<b>NELLCOR PURITAN BENNETT INCORPORATED</b>																	
Patents By Year of Grant:	50	5	3	11	2	13	15	22	13	30	26	43	0	0	0	233	
Patents By Year of Application:	65	8	9	24	24	70	11	6	11	5	0	0	0	0	0	233	
<b>SILICON MOTION, INC.</b>																	
Patents By Year of Grant:	4	0	3	2	6	4	3	3	3	9	18	44	38	53	43	233	
Patents By Year of Application:	13	4	4	3	1	7	3	17	51	37	25	40	25	3	0	233	
<b>ASIA OPTICAL CO., INC.</b>																	
Patents By Year of Grant:	3	2	1	3	6	21	31	31	40	32	20	18	11	10	3	232	
Patents By Year of Application:	6	4	2	29	36	32	44	25	19	10	13	11	1	0	0	232	
<b>ATT WIRELESS SERVICES INC</b>																	
Patents By Year of Grant:	96	42	37	42	8	6	0	0	1	0	0	0	0	0	0	232	
Patents By Year of Application:	204	26	2	0	0	0	0	0	0	0	0	0	0	0	0	232	
<b>CARL ZEISS STIFTUNG</b>																	
Patents By Year of Grant:	113	33	37	17	12	8	8	2	0	2	0	0	0	0	0	232	
Patents By Year of Application:	197	13	13	8	1	0	0	0	0	0	0	0	0	0	0	232	
<b>SCHWEITZER ENGINEERING LABORATORIES, INC.</b>																	
Patents By Year of Grant:	24	4	11	7	7	5	13	16	13	19	12	23	30	28	20	232	
Patents By Year of Application:	42	10	13	8	16	21	14	16	25	25	12	18	10	2	0	232	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>TOSHIBA MATSUSHITA DISPLAY TECHNOLOGY CO., LTD.</b>																
Patents By Year of Grant:	0	0	0	0	0	16	25	37	55	41	45	13	0	0	0	232
Patents By Year of Application:	3	5	6	40	51	52	37	26	10	2	0	0	0	0	0	232
<b>VANGUARD INTERNATIONAL SEMICONDUCTOR CORPORATION</b>																
Patents By Year of Grant:	121	16	11	6	6	8	1	1	3	8	11	8	5	12	15	232
Patents By Year of Application:	156	3	4	4	2	3	5	6	15	4	7	9	9	4	1	232
<b>Greatbatch Ltd.</b>																
Patents By Year of Grant:	10	3	4	1	1	1	3	2	6	18	17	37	30	49	49	231
Patents By Year of Application:	16	4	0	2	5	11	18	10	20	33	43	27	27	13	2	231
<b>ROLLS-ROYCE PLC</b>																
Patents By Year of Grant:	15	3	2	12	5	11	14	10	18	17	15	26	30	32	21	231
Patents By Year of Application:	25	7	10	20	10	21	18	24	36	14	15	22	5	4	0	231
<b>CHAMBERLAIN GROUP, INC.</b>																
Patents By Year of Grant:	35	9	5	21	15	25	20	16	15	11	10	17	15	7	9	230
Patents By Year of Application:	69	24	29	27	20	15	7	13	3	13	3	4	3	0	0	230
<b>AXCELIS TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	15	4	19	20	19	26	8	19	23	17	17	14	9	9	10	229
Patents By Year of Application:	39	10	26	30	23	27	16	19	9	9	12	4	3	2	0	229
<b>SICK AG</b>																
Patents By Year of Grant:	31	4	7	16	13	20	8	11	15	16	13	11	22	22	20	229
Patents By Year of Application:	50	23	14	12	10	10	22	13	11	14	20	12	13	5	0	229
<b>AIRBUS FRANCE</b>																
Patents By Year of Grant:	0	0	10	7	15	20	30	29	21	49	43	4	0	0	0	228
Patents By Year of Application:	7	22	39	30	37	34	42	14	3	0	0	0	0	0	0	228
<b>ELECTRO SCIENTIFIC INDUSTRIES, INC.</b>																
Patents By Year of Grant:	22	5	3	12	7	12	9	12	14	20	23	27	32	25	5	228
Patents By Year of Application:	36	11	6	13	23	19	22	35	13	25	14	8	3	0	0	228
<b>SAMSUNG DISPLAY DEVICES CO., LTD.</b>																
Patents By Year of Grant:	200	20	6	1	1	0	0	0	0	0	0	0	0	0	0	228
Patents By Year of Application:	228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	228
<b>TEXAS INSTRUMENTS DEUTSCHLAND GMBH</b>																
Patents By Year of Grant:	37	8	2	4	7	3	3	14	16	23	21	19	26	31	14	228
Patents By Year of Application:	48	5	6	2	11	16	18	31	20	19	23	16	11	2	0	228

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED</b>																	
Patents By Year of Grant:	5	1	0	2	13	15	13	19	12	11	20	39	24	25	29	228	
Patents By Year of Application:	8	2	29	27	16	20	22	29	19	26	13	9	3	5	0	228	
<b>BULL S.A.</b>																	
Patents By Year of Grant:	123	21	8	9	6	14	6	6	8	2	6	2	2	7	7	227	
Patents By Year of Application:	182	9	6	3	3	2	4	3	4	5	4	1	1	0	0	227	
<b>PANDUIT CORPORATION</b>																	
Patents By Year of Grant:	9	6	8	5	6	12	9	17	24	29	17	17	24	17	27	227	
Patents By Year of Application:	23	4	8	10	13	23	34	25	14	29	10	14	12	7	1	227	
<b>ALSTOM TECHNOLOGY LTD</b>																	
Patents By Year of Grant:	0	0	0	9	10	14	13	14	15	20	20	11	26	41	33	226	
Patents By Year of Application:	2	8	10	26	24	14	11	21	27	35	30	16	2	0	0	226	
<b>AUTONETWORKS TECHNOLOGIES, LTD.</b>																	
Patents By Year of Grant:	1	16	23	16	5	9	12	3	21	19	13	20	17	24	27	226	
Patents By Year of Application:	41	15	13	14	17	24	21	20	19	17	13	8	4	0	0	226	
<b>GOLDSTAR COMPANY, LTD.</b>																	
Patents By Year of Grant:	226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	226	
Patents By Year of Application:	226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	226	
<b>UNITED STATES OF AMERICA, POSTAL SERVICE</b>																	
Patents By Year of Grant:	2	1	3	1	9	12	13	15	12	33	23	35	30	22	15	226	
Patents By Year of Application:	43	23	15	22	17	20	14	18	7	5	10	26	4	2	0	226	
<b>ELECTRONICS FOR IMAGING, INC.</b>																	
Patents By Year of Grant:	46	15	10	10	12	15	21	15	18	22	12	7	6	7	9	225	
Patents By Year of Application:	103	7	17	23	7	14	21	9	0	6	6	5	5	2	0	225	
<b>KYOCERA WIRELESS CORP.</b>																	
Patents By Year of Grant:	0	1	1	22	31	47	43	36	34	9	0	0	0	0	0	224	
Patents By Year of Application:	30	48	41	36	45	20	4	0	0	0	0	0	0	0	0	224	
<b>NEXTEL COMMUNICATIONS, INC.</b>																	
Patents By Year of Grant:	0	0	0	0	0	5	6	15	18	52	57	41	17	7	6	224	
Patents By Year of Application:	0	0	0	11	70	76	35	14	10	1	5	2	0	0	0	224	
<b>SEMICONDUCTOR MANUFACTURING INTERNATIONAL (SHANGHAI) CORPORATION</b>																	
Patents By Year of Grant:	0	0	0	1	4	5	11	12	13	21	26	25	24	18	64	224	
Patents By Year of Application:	0	1	1	6	19	22	21	19	19	28	17	5	32	31	3	224	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>CORNELL RESEARCH FOUNDATION INC.</b>																
Patents By Year of Grant:	69	7	15	8	11	12	19	14	21	20	9	9	4	4	1	223
Patents By Year of Application:	103	13	15	12	17	29	17	4	5	4	2	2	0	0	0	223
<b>CTS CORPORATION</b>																
Patents By Year of Grant:	98	20	19	9	12	7	4	4	7	10	7	5	4	8	9	223
Patents By Year of Application:	137	15	9	8	3	9	6	7	7	9	3	4	3	3	0	223
<b>NTT MOBILE COMMUNICATIONS NETWORK INC.</b>																
Patents By Year of Grant:	169	11	14	10	7	1	3	5	2	0	0	1	0	0	0	223
Patents By Year of Application:	211	3	1	1	1	4	1	0	1	0	0	0	0	0	0	223
<b>SYBASE, INC.</b>																
Patents By Year of Grant:	46	11	7	11	1	0	5	8	5	20	9	18	21	27	34	223
Patents By Year of Application:	69	5	7	19	6	15	17	22	14	24	14	8	3	0	0	223
<b>ADVANCED NEUROMODULATION SYSTEMS, INC.</b>																
Patents By Year of Grant:	3	0	1	4	3	6	10	12	17	19	32	49	35	24	7	222
Patents By Year of Application:	8	6	10	12	22	15	23	24	23	21	18	26	13	1	0	222
<b>SAS INSTITUTE, INC.</b>																
Patents By Year of Grant:	1	1	3	3	5	9	6	10	12	33	29	26	21	31	32	222
Patents By Year of Application:	16	16	9	10	12	20	26	25	21	15	17	12	9	9	5	222
<b>THERMO FINNIGAN LLC</b>																
Patents By Year of Grant:	0	4	6	5	14	18	18	26	23	22	17	22	15	22	10	222
Patents By Year of Application:	11	3	18	19	31	31	20	21	12	20	11	8	12	5	0	222
<b>UNIVERSITY OF SOUTH FLORIDA</b>																
Patents By Year of Grant:	28	2	2	8	4	11	11	11	8	23	21	27	19	28	19	222
Patents By Year of Application:	39	4	13	7	14	27	15	21	22	14	10	8	20	7	1	222
<b>NEC INFRONTIA CORPORATION</b>																
Patents By Year of Grant:	2	4	7	9	12	15	22	23	20	22	19	29	14	18	5	221
Patents By Year of Application:	33	15	53	16	20	18	21	9	11	4	15	4	2	0	0	221
<b>SK TELECOM CO., LTD</b>																
Patents By Year of Grant:	4	1	3	6	4	8	17	8	12	18	36	19	13	35	37	221
Patents By Year of Application:	22	12	28	13	38	15	8	10	33	8	12	8	8	4	2	221
<b>ALTEK CORPORATION</b>																
Patents By Year of Grant:	0	0	0	0	1	2	3	4	6	18	38	51	51	37	9	220
Patents By Year of Application:	0	1	2	1	0	17	14	34	39	27	50	31	3	1	0	220



---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>AT&amp; T Intellectual Property, Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	39	171	3	2	1	0	0	0	0	216
Patents By Year of Application:	37	44	44	26	25	31	9	0	0	0	0	0	0	0	0	216
<b>BAE SYSTEMS PLC</b>																
Patents By Year of Grant:	9	9	7	3	6	14	8	5	4	9	29	18	16	32	47	216
Patents By Year of Application:	39	10	8	12	12	12	18	24	17	28	22	14	0	0	0	216
<b>SILICON INTEGRATED SYSTEMS CORP.</b>																
Patents By Year of Grant:	28	22	26	22	24	28	23	9	6	0	3	6	9	6	4	216
Patents By Year of Application:	88	42	37	5	10	6	1	2	7	7	4	5	2	0	0	216
<b>TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	4	2	11	22	50	125	216
Patents By Year of Application:	0	0	0	0	2	2	5	11	10	17	26	51	70	22	0	216
<b>Abbott Diabetes Care Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	2	2	0	5	13	14	37	57	41	44	215
Patents By Year of Application:	0	1	4	6	6	13	17	30	45	24	12	24	26	7	0	215
<b>AVANEX CORPORATION</b>																
Patents By Year of Grant:	15	22	24	47	39	22	29	11	5	1	0	0	0	0	0	215
Patents By Year of Application:	82	61	38	19	11	2	2	0	0	0	0	0	0	0	0	215
<b>ENPLAS CORPORATION</b>																
Patents By Year of Grant:	59	11	12	15	4	10	11	18	13	10	10	7	12	8	15	215
Patents By Year of Application:	92	9	7	10	10	18	15	6	10	7	18	11	2	0	0	215
<b>DONGBU ELECTRONICS CO., LTD.</b>																
Patents By Year of Grant:	2	3	3	5	5	13	36	38	47	44	15	3	0	0	0	214
Patents By Year of Application:	7	4	16	40	49	51	10	18	18	1	0	0	0	0	0	214
<b>MICROMASS UK LIMITED</b>																
Patents By Year of Grant:	0	0	0	11	16	12	10	4	3	5	11	14	38	40	50	214
Patents By Year of Application:	3	12	23	13	13	12	11	15	13	15	17	28	23	16	0	214
<b>STMICROELECTRONICS ASIA PACIFIC PTE LIMITED</b>																
Patents By Year of Grant:	3	2	3	4	8	16	8	11	19	15	16	26	28	27	27	213
Patents By Year of Application:	42	3	15	24	5	11	16	15	19	25	16	13	8	1	0	213
<b>CARNEGIE-MELLON UNIVERSITY</b>																
Patents By Year of Grant:	51	9	10	17	3	14	10	7	5	15	9	15	16	14	17	212
Patents By Year of Application:	83	22	7	9	10	13	9	16	9	7	9	9	7	2	0	212

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>ELWHA LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	18	66	128	212	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	67	67	56	18	4	212	
<b>K.T. CORPORATION</b>																	
Patents By Year of Grant:	0	0	0	0	1	1	2	3	7	4	14	34	37	40	69	212	
Patents By Year of Application:	0	4	5	3	10	9	20	29	16	9	43	46	14	4	0	212	
<b>NEXANS</b>																	
Patents By Year of Grant:	4	8	16	10	10	8	8	11	20	18	8	20	17	30	24	212	
Patents By Year of Application:	32	9	10	7	16	14	24	19	21	18	20	10	10	2	0	212	
<b>SIGMATEL INC.</b>																	
Patents By Year of Grant:	22	5	10	3	10	18	34	28	22	32	13	5	2	6	2	212	
Patents By Year of Application:	48	4	29	7	58	37	14	4	3	3	4	0	0	1	0	212	
<b>UNIVERSAL ELECTRONICS, INC.</b>																	
Patents By Year of Grant:	25	1	8	13	10	18	15	8	4	15	16	18	11	16	34	212	
Patents By Year of Application:	50	14	20	15	14	15	10	8	8	18	10	6	13	11	0	212	
<b>KABUSHIKI KAISHA KENWOOD</b>																	
Patents By Year of Grant:	54	6	14	19	9	11	11	9	8	21	4	22	17	6	0	211	
Patents By Year of Application:	115	15	3	17	15	5	7	15	11	5	3	0	0	0	0	211	
<b>VALEO EQUIPEMENTS ELECTRIQUES MOTEUR</b>																	
Patents By Year of Grant:	46	10	2	8	9	8	9	7	6	12	19	16	27	15	17	211	
Patents By Year of Application:	67	14	12	9	9	22	24	17	14	10	10	3	0	0	0	211	
<b>WI-LAN INC.</b>																	
Patents By Year of Grant:	2	0	0	2	3	2	5	9	8	5	25	50	32	44	24	211	
Patents By Year of Application:	16	3	1	3	2	16	32	39	21	14	27	25	8	3	1	211	
<b>CHEVRON U.S.A. INC.</b>																	
Patents By Year of Grant:	7	2	0	3	3	4	4	6	13	13	13	33	33	33	43	210	
Patents By Year of Application:	12	1	6	11	5	8	16	30	30	31	33	18	8	1	0	210	
<b>KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	4	7	12	43	46	45	52	210	
Patents By Year of Application:	0	1	0	5	0	4	7	10	25	39	26	31	35	26	1	210	
<b>STMicroelectronics International N.V.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	20	50	71	69	210	
Patents By Year of Application:	0	0	0	0	2	3	5	7	28	39	44	29	36	17	0	210	







---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>IDEMITSU KOSAN COMPANY LIMITED</b>																
Patents By Year of Grant:	12	5	5	2	8	5	4	2	7	16	17	26	21	33	41	204
Patents By Year of Application:	26	5	9	8	17	15	14	26	16	20	13	14	20	1	0	204
<b>KABUSHIKI KAISHA AUDIO-TECHNICA</b>																
Patents By Year of Grant:	10	1	2	1	3	7	2	6	17	18	12	32	34	34	25	204
Patents By Year of Application:	13	6	1	7	34	10	9	9	12	30	31	27	7	8	0	204
<b>NIPPON STEEL CORP.</b>																
Patents By Year of Grant:	146	11	8	5	5	5	3	2	0	4	7	5	3	0	0	204
Patents By Year of Application:	165	13	5	6	2	1	2	5	3	2	0	0	0	0	0	204
<b>PICKER INTERNATIONAL, INC.</b>																
Patents By Year of Grant:	197	7	0	0	0	0	0	0	0	0	0	0	0	0	0	204
Patents By Year of Application:	204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	204
<b>AKAMAI TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	0	3	3	5	2	17	13	19	15	18	18	27	26	22	15	203
Patents By Year of Application:	26	18	8	13	12	17	12	14	14	16	18	22	9	3	1	203
<b>AMS AG</b>																
Patents By Year of Grant:	0	0	0	1	0	3	1	6	7	23	34	34	34	31	29	203
Patents By Year of Application:	0	8	6	7	16	27	26	25	17	20	28	15	7	1	0	203
<b>Avago Technologies Fiber IP(Singapore) Pte. Ltd.</b>																
Patents By Year of Grant:	0	0	0	0	0	29	50	32	22	25	21	16	8	0	0	203
Patents By Year of Application:	8	17	37	39	25	13	15	23	15	8	2	1	0	0	0	203
<b>KEYENCE CORPORATION</b>																
Patents By Year of Grant:	20	7	9	14	11	8	9	10	8	10	17	24	25	15	16	203
Patents By Year of Application:	44	10	19	6	5	9	13	21	28	6	18	14	9	1	0	203
<b>ST. JUDE MEDICAL AB</b>																
Patents By Year of Grant:	0	2	6	13	21	21	16	7	2	6	14	21	24	35	15	203
Patents By Year of Application:	40	25	19	11	18	19	16	16	12	4	6	14	2	1	0	203
<b>STMICROELECTRONICS ROUSSET SAS</b>																
Patents By Year of Grant:	0	0	0	0	0	0	1	2	5	11	2	10	48	64	60	203
Patents By Year of Application:	0	0	0	0	7	5	3	9	21	38	38	41	25	15	1	203
<b>CLARION CO., LTD.</b>																
Patents By Year of Grant:	30	11	8	8	5	10	5	7	6	10	11	14	20	27	30	202
Patents By Year of Application:	63	7	11	9	10	6	11	7	16	25	13	11	8	5	0	202

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>LSIS CO., LTD.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	3	19	68	112	202	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	46	81	56	18	1	202	
<b>MAGNECOMP CORP.</b>																	
Patents By Year of Grant:	48	37	3	8	7	8	7	9	13	11	8	12	10	5	16	202	
Patents By Year of Application:	93	13	1	8	24	10	9	3	9	5	4	3	6	7	7	202	
<b>UNITY SEMICONDUCTOR CORPORATION</b>																	
Patents By Year of Grant:	0	0	0	5	12	19	4	12	9	22	43	34	19	11	12	202	
Patents By Year of Application:	0	7	17	9	9	12	24	17	21	23	38	13	7	5	0	202	
<b>ATHEROS COMMUNICATIONS, INC.</b>																	
Patents By Year of Grant:	2	4	11	19	10	25	20	22	22	45	21	0	0	0	0	201	
Patents By Year of Application:	37	36	23	25	10	18	18	21	7	6	0	0	0	0	0	201	
<b>ACCENTURE LLP</b>																	
Patents By Year of Grant:	2	27	42	22	20	33	9	29	6	10	0	0	0	0	0	200	
Patents By Year of Application:	175	9	3	4	4	0	4	1	0	0	0	0	0	0	0	200	
<b>COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P.</b>																	
Patents By Year of Grant:	4	156	39	0	0	1	0	0	0	0	0	0	0	0	0	200	
Patents By Year of Application:	197	3	0	0	0	0	0	0	0	0	0	0	0	0	0	200	
<b>Other Organizations (80139)</b>																	
Patents By Year of Grant:	78876	16354	17395	18661	17166	21984	19668	19951	21112	27165	28798	34703	39369	43788	45546	450536	
Patents By Year of Application:	135377	24025	23087	23461	24431	26444	28039	27507	26918	28082	28898	26488	18850	7974	955	450536	