

ALL TECHNOLOGIES REPORT

JANUARY 1, 1991 -- DECEMBER 31, 2015



March 2016
U.S. PATENT AND TRADEMARK OFFICE
ELECTRONIC INFORMATION PRODUCTS DIVISION - PTMT
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A PATENT TECHNOLOGY MONITORING TEAM REPORT

ALL TECHNOLOGIES REPORT 1/1/1991 - 12/31/2015 Explanation of Data

This Patent Technology Monitoring Team (PTMT) report profiles utility patent activity (i.e., "patents for inventions") for U.S. patents granted between **January 1, 1991** and **December 31, 2015** in all technology areas. The source of the data used for this report is the TAF database maintained by the U.S. Patent and Trademark Office.

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 grant data by the year in which the patented applications were 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 the period **1991** through **2001**.

Part B

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since **1991**. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and by the year in which the patented application was filed ("Patents by Year of Application").

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

Since the average time period between the filing for a utility patent and its final disposition (e.g., issued as a patent or abandoned) is now about **26** months (i.e., the patent's "pendency"), 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 reporting period. While many of these applications eventually will be patented, they will not be patented until sometime following the end of the reporting period. 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 U.S. Patent and Trademark Office (USPTO) workload which varies between technologies, budget and manpower levels, patent printing schedules, etc.

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 many of the changes in USPTO processing such as occurred in years such as in 1986 and 2005 when the USPTO issued fewer patents than would have normally been expected because of administrative reasons.

"Patents Granted By Date of Patent Application", as shown in the "**Pre 2002**" column, correspond to utility patents granted during the reporting period but 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 may 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 **1000** or more U.S. utility patents since **1991**. 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% complete for filings in 2013, and 16% complete for filings in 2014; data are essentially complete for applications filed prior to 2007. About 90% of all patent documents granted by USPTO (design, plant, reissue, and utility patents, defensive publications, and statutory invention registrations) are utility patent grants.

Part A1

Patent Grants as Distributed By Year of Patent Grant

	---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1991 - Dec 31, 2015) ----															
	----- NUMBER OF PATENTS -----															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total	1341552	167331	169023	164290	143806	173772	157282	157772	167349	219614	224505	253155	277835	300677	298407	4216370
U.S. Origin	728141	86971	87893	84270	74637	89823	79526	77502	82382	107791	108622	121026	133593	144621	140969	2147767
Foreign Origin	613411	80360	81130	80020	69169	83949	77756	80270	84967	111823	115883	132129	144242	156056	157438	2068603
JAPAN	282084	34858	35515	35346	30340	36807	33354	33682	35501	44813	46139	50677	51919	53848	52409	857292
GERMANY	88966	11280	11444	10779	9011	10005	9051	8914	9000	12363	11919	13835	15498	16550	16549	255164
KOREA, SOUTH	20883	3786	3944	4428	4351	5908	6295	7548	8762	11671	12262	13233	14548	16469	17924	152012
TAIWAN	26955	5431	5298	5940	5120	6361	6128	6341	6642	8239	8781	10646	11071	11333	11690	135976
FRANCE	35668	4035	3868	3380	2866	3431	3130	3163	3140	4450	4532	5386	6083	6691	6565	96388
UNITED KINGDOM	31998	3829	3618	3441	3141	3579	3291	3085	3173	4298	4292	5211	5806	6488	6417	91667
CANADA	27892	3431	3427	3374	2894	3572	3318	3393	3655	4852	5014	5775	6547	7042	6802	90988
ITALY	14996	1751	1722	1584	1296	1480	1302	1357	1346	1798	1885	2120	2499	2628	2645	40409
CHINA, PEOPLE'S REPUB	830	288	297	403	402	659	770	1223	1654	2655	3174	4637	5928	7236	8116	38272
SWITZERLAND	13386	1364	1308	1277	995	1201	1035	1112	1208	1608	1663	1831	2270	2398	2553	35209
SWEDEN	11155	1675	1521	1290	1123	1243	1061	1060	1014	1434	1710	2081	2271	2767	2633	34038
NETHERLANDS	10949	1391	1325	1273	993	1323	1250	1330	1288	1615	1742	1904	2252	2505	2399	33539
ISRAEL	5955	1040	1193	1028	924	1218	1107	1166	1404	1819	1981	2474	3012	3472	3628	31421
AUSTRALIA	6133	859	902	953	910	1325	1265	1291	1221	1748	1921	1525	1631	1693	1627	25004
FINLAND	5145	809	865	918	720	950	850	824	864	1143	951	1064	1221	1338	1376	19038
INDIA	728	249	342	363	384	481	546	634	679	1098	1234	1691	2424	2987	3355	17195
BELGIUM	5504	722	622	612	519	625	520	510	594	820	802	866	1062	1220	1133	16131
AUSTRIA	4366	530	592	540	463	577	457	464	503	727	753	858	1009	1180	1156	14175
DENMARK	3374	426	529	414	358	439	388	391	390	605	730	850	921	1051	1012	11878
SINGAPORE	1149	410	427	449	346	412	393	399	436	603	647	810	797	946	966	9190
SPAIN	2076	303	309	264	273	295	268	303	317	414	469	642	711	789	818	8251
CHINA, HONG KONG S.A.	1211	234	276	312	283	310	340	311	306	431	419	532	540	606	601	6712
NORWAY	1808	242	262	243	220	244	247	273	265	399	366	444	475	547	625	6660
RUSSIAN FEDERATION	1153	200	203	169	148	172	188	176	196	272	298	331	417	444	440	4807
IRELAND	814	127	163	186	156	174	146	164	177	252	304	338	431	466	473	4371
NEW ZEALAND	801	140	135	142	122	136	113	105	127	168	180	223	247	261	268	3168
BRAZIL	780	96	130	106	77	121	90	101	103	175	215	196	254	334	323	3101
SOUTH AFRICA	1187	113	112	100	87	109	82	91	93	116	123	142	161	152	166	2834
MALAYSIA	210	55	50	80	88	113	158	152	158	202	161	210	214	259	256	2366
MEXICO	571	94	85	86	80	66	56	54	60	101	90	122	155	172	172	1964
HUNGARY	583	48	72	48	46	49	47	66	46	91	100	105	134	159	143	1737
SAUDI ARABIA	120	10	19	15	18	19	20	30	22	58	61	170	237	294	360	1453
CZECH REPUBLIC	113	31	41	31	25	34	37	48	44	74	93	127	167	182	191	1238
ARGENTINA	380	54	63	46	24	38	37	32	45	45	49	63	75	71	66	1088
POLAND	126	11	17	16	23	29	32	54	35	39	57	77	94	162	200	972
LUXEMBOURG	282	37	35	44	41	33	38	24	36	31	40	42	54	43	51	831
Others (141)	3080	401	399	340	302	411	346	399	463	596	726	891	1107	1273	1330	12064
Ownership:																
U.S. Corporations	588960	74153	75328	73021	65207	78926	70501	69960	74800	97756	99528	111808	124746	136354	133434	1874482
U.S. Government	11565	914	882	842	698	792	725	678	695	914	908	992	1038	1024	991	23658
U.S. Individuals	155005	14116	13535	12172	10358	11855	9895	9022	8922	12012	11251	12148	13320	13869	13643	321123
Foreign Corporations	526050	71662	73098	72776	63114	77379	71959	74465	79201	104153	108344	122933	133196	143719	144719	1866768
Foreign Government	3056	112	85	79	58	51	69	33	102	186	171	249	203	321	364	5139
Foreign Individuals	56916	6374	6095	5400	4371	4769	4133	3614	3629	4593	4303	5025	5332	5390	5256	125200

Part A2

Patent Grants as Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1991 - Dec 31, 2015) ----

	NUMBER OF PATENTED APPLICATIONS															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total	1813370	211466	204967	200662	202214	206763	212419	211540	199968	203418	200567	180416	119123	45224	4253	4216370
U.S. Origin	977354	106052	103447	99666	98796	98468	102335	97944	91316	94747	95676	92395	63247	23897	2427	2147767
Foreign Origin	836016	105414	101520	100996	103418	108295	110084	113596	108652	108671	104891	88021	55876	21327	1826	2068603
JAPAN	378785	42048	41390	41345	43665	43328	42957	43625	40993	38859	38704	31884	20101	8847	761	857292
GERMANY	119276	15494	13474	12418	12163	12099	12279	12450	11235	11006	10075	7690	4164	1262	79	255164
KOREA, SOUTH	31379	6077	7262	8828	9775	11558	11777	11668	11315	11566	11521	9499	6919	2596	272	152012
TAIWAN	36974	6877	7237	7400	7083	7867	8143	8708	8946	9556	9231	8608	6869	2327	150	135976
FRANCE	47031	5170	4615	4158	4221	4432	4536	4775	4647	4488	3730	2762	1360	441	22	96388
UNITED KINGDOM	44225	5354	4685	4037	3788	3851	4310	4364	3965	4048	3602	3051	1730	605	52	91667
CANADA	37836	4398	4253	4345	4217	4595	4608	4532	4308	4802	4749	4630	2753	900	62	90988
ITALY	19428	2302	2148	1852	1868	1858	1883	1834	1742	1717	1604	1222	690	246	15	40409
CHINA, PEOPLE'S REPUB	1665	656	790	1126	1477	2354	2694	3580	4412	5443	5407	4825	2779	978	86	38272
SWITZERLAND	17114	1784	1579	1474	1452	1637	1621	1662	1576	1620	1466	1261	680	251	32	35209
SWEDEN	15958	1898	1605	1383	1504	1714	1794	1818	1631	1438	1395	1044	603	231	22	34038
NETHERLANDS	15013	1902	1890	1989	1622	1676	1646	1615	1658	1529	1271	1002	504	209	13	33539
ISRAEL	9819	1568	1355	1413	1650	1840	1939	2000	1970	1901	2084	2004	1348	476	54	31421
AUSTRALIA	9159	1515	1433	1781	1587	1348	1504	1712	1362	1222	995	749	460	157	20	25004
FINLAND	8498	1309	1126	1096	960	993	836	925	798	770	752	543	325	100	7	19038
INDIA	1602	696	805	784	808	993	1218	1542	1485	1811	1902	1932	1198	390	29	17195
BELGIUM	7464	863	855	708	762	850	773	762	765	737	677	489	288	126	12	16131
AUSTRIA	5784	872	716	672	637	723	810	755	716	731	713	583	339	119	5	14175
DENMARK	4906	701	580	528	547	610	577	692	774	606	556	447	267	78	9	11878
SINGAPORE	2293	578	497	554	549	621	607	649	563	650	613	524	337	139	16	9190
SPAIN	2910	423	423	385	451	471	472	509	476	592	499	339	231	65	5	8251
CHINA, HONG KONG S.A.	1848	387	418	390	379	362	446	433	437	481	409	361	271	86	4	6712
NORWAY	2595	440	366	336	343	385	361	404	352	358	317	238	123	40	2	6660
RUSSIAN FEDERATION	1749	242	251	197	220	275	247	285	274	249	297	272	158	79	12	4807
IRELAND	1312	270	207	203	251	229	283	316	278	300	254	254	168	43	3	4371
NEW ZEALAND	1251	208	221	172	151	154	168	170	177	153	136	102	76	23	6	3168
BRAZIL	1062	174	152	174	123	152	190	210	203	211	181	165	71	31	2	3101
SOUTH AFRICA	1522	159	127	144	100	128	113	111	121	104	98	61	37	7	2	2834
MALAYSIA	372	87	154	190	176	178	188	192	168	198	152	139	113	53	6	2366
MEXICO	815	92	107	73	91	99	79	118	78	103	108	105	62	32	2	1964
HUNGARY	757	103	69	69	89	63	89	94	93	98	99	57	40	15	2	1737
SAUDI ARABIA	151	35	26	32	26	43	41	83	99	212	204	216	165	95	25	1453
CZECH REPUBLIC	211	41	48	53	50	73	79	109	131	124	108	124	67	18	2	1238
ARGENTINA	526	46	46	53	38	48	55	63	46	50	55	29	30	3		1088
POLAND	179	53	46	37	48	48	49	67	70	86	107	91	59	31	1	972
LUXEMBOURG	378	61	51	43	39	40	42	30	34	38	42	17	12	4		831
Others (141)	4169	531	513	554	508	600	670	734	754	814	778	702	479	224	34	12064
Ownership:																
U.S. Corporations	809965	93264	91323	88233	89005	89568	93372	91979	84076	87407	88686	86850	57785	20883	2086	1874482
U.S. Government	13944	1000	926	871	877	759	781	737	822	792	790	684	482	170	23	23658
U.S. Individuals	186033	14835	13834	12514	11624	10807	10893	9899	9780	10208	10266	9480	7268	3311	371	321123
Foreign Corporations	728870	95041	92540	93776	95955	100885	102871	104795	100927	100688	96909	80201	51537	20080	1693	1866768
Foreign Government	3338	112	107	118	117	147	155	182	234	214	194	123	64	33	1	5139
Foreign Individuals	71220	7214	6237	5150	4636	4597	4347	3948	4129	4109	3722	3078	1987	747	79	125200

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, 1991 - Dec 31, 2015) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
INTERNATIONAL BUSINESS MACHINES CORPORATION																	
Patents By Year of Grant:	20591	3288	3415	3248	2941	3621	3125	4169	4887	5866	6148	6457	6788	7481	7309	89334	
Patents By Year of Application:	32949	3610	4092	3921	4004	4135	6193	8681	3861	3761	3654	6230	3410	768	65	89334	
SAMSUNG ELECTRONICS CO., LTD.																	
Patents By Year of Grant:	8379	1328	1313	1604	1641	2451	2723	3502	3592	4518	4868	5043	4652	4936	5059	55609	
Patents By Year of Application:	12192	2043	3037	3675	3958	4897	5147	4455	3693	3562	3351	2753	1964	785	97	55609	
CANON KABUSHIKI KAISHA																	
Patents By Year of Grant:	15559	1892	1992	1806	1829	2368	1983	2107	2200	2551	2818	3173	3820	4048	4127	52273	
Patents By Year of Application:	21915	1850	2200	2229	2736	2358	2590	2606	2794	2892	2779	2558	1943	765	58	52273	
SONY CORPORATION																	
Patents By Year of Grant:	9900	1434	1311	1305	1135	1772	1454	1461	1656	2130	2265	3017	3073	3214	2448	37575	
Patents By Year of Application:	15098	1554	1641	1666	2272	1895	2095	2127	2143	2149	2000	1652	877	388	18	37575	
TOSHIBA CORPORATION																	
Patents By Year of Grant:	11541	1130	1184	1311	1258	1672	1519	1575	1669	2212	2451	2415	2365	2537	2582	37421	
Patents By Year of Application:	14665	1498	1543	1791	1719	1919	2002	2015	2089	1948	2220	1984	1384	601	43	37421	
HITACHI, LTD																	
Patents By Year of Grant:	10962	1600	1892	1513	1271	1732	1381	1301	1051	1447	1455	1428	1096	902	649	29680	
Patents By Year of Application:	15322	1888	1557	1735	1346	1358	1283	1500	1005	909	844	586	244	84	19	29680	
FUJITSU LIMITED																	
Patents By Year of Grant:	9003	1211	1302	1296	1154	1487	1293	1475	1188	1276	1382	1527	1802	1812	1455	28663	
Patents By Year of Application:	13302	1397	1227	1437	1677	1300	1171	1147	1462	1307	1207	1135	688	194	12	28663	
GENERAL ELECTRIC COMPANY																	
Patents By Year of Grant:	9211	1416	1139	976	904	1051	911	911	976	1222	1444	1650	1737	1858	1756	27162	
Patents By Year of Application:	12260	1164	1229	1156	1297	1293	1201	1385	1333	1498	1672	1212	367	92	3	27162	
INTEL CORPORATION																	
Patents By Year of Grant:	4595	1077	1592	1601	1549	1959	1864	1772	1534	1652	1244	1287	1454	1573	2046	26799	
Patents By Year of Application:	9718	2051	2284	1995	1728	1563	1285	987	955	922	1003	1372	721	199	16	26799	
MICROSOFT CORPORATION																	
Patents By Year of Grant:	1815	499	499	629	746	1463	1638	2026	2900	3086	2309	2610	2659	2829	453	26161	
Patents By Year of Application:	4879	1132	1780	2970	3511	2295	2176	2068	1388	1704	1310	699	230	19	0	26161	
NEC CORPORATION																	
Patents By Year of Grant:	12958	1821	1181	813	661	728	600	527	511	652	592	806	904	967	773	24494	
Patents By Year of Application:	17331	852	644	602	657	626	673	744	758	649	529	318	88	21	2	24494	

---- Organizational Patenting (Granted: Jan 01, 1991 - Dec 31, 2015) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
MICRON TECHNOLOGY, INC.																
Patents By Year of Grant:	5436	1834	1707	1760	1561	1610	1476	1250	966	917	947	913	1019	1067	961	23424
Patents By Year of Application:	9755	2025	1585	1641	1370	1445	804	719	616	788	901	791	673	293	18	23424
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.																
Patents By Year of Grant:	9652	1544	1774	1934	1688	2229	1910	1469	47	13	7	2	1	0	0	22270
Patents By Year of Application:	14823	2103	2119	1680	947	473	115	7	1	2	0	0	0	0	0	22270
MITSUBISHI DENKI KABUSHIKI KAISHA																
Patents By Year of Grant:	10924	1373	1243	784	614	610	477	481	521	692	605	691	720	833	890	21458
Patents By Year of Application:	13926	1050	628	700	593	672	735	625	659	630	569	347	207	101	16	21458
SEIKO EPSON CORPORATION																
Patents By Year of Grant:	2600	618	764	839	884	1200	1205	1219	1328	1438	1525	1454	1488	1660	1618	19840
Patents By Year of Application:	4661	1024	1254	1512	1377	1400	1269	1256	1171	1115	1282	1099	837	534	49	19840
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.																
Patents By Year of Grant:	0	0	1292	1775	1790	2099	1466	1422	1269	1480	1307	1393	1358	1573	1304	19528
Patents By Year of Application:	3699	2343	2787	1969	1757	1096	1254	1032	1062	928	767	578	238	14	4	19528
SIEMENS AKTIENGESELLSCHAFT																
Patents By Year of Grant:	5964	674	660	732	689	854	698	721	710	861	843	962	979	1040	1001	17388
Patents By Year of Application:	8181	1000	906	988	889	860	789	852	785	680	672	552	200	34	0	17388
RICOH COMPANY, LTD.																
Patents By Year of Grant:	3730	326	410	530	469	693	727	851	985	1198	1246	1407	1469	1634	1618	17293
Patents By Year of Application:	4975	712	860	824	922	1168	1195	1304	998	916	1124	1028	804	436	27	17293
TEXAS INSTRUMENTS, INCORPORATED																
Patents By Year of Grant:	6041	717	764	898	734	880	749	755	649	827	790	826	739	830	806	17005
Patents By Year of Application:	8283	1000	966	761	783	688	752	686	587	602	662	546	460	195	34	17005
LG ELECTRONICS INC.																
Patents By Year of Grant:	1048	341	410	480	463	694	682	805	1064	1488	1404	1617	1945	2119	2241	16801
Patents By Year of Application:	2420	716	867	1092	1144	1326	1450	1412	1585	1599	1337	829	596	367	61	16801
XEROX CORPORATION																
Patents By Year of Grant:	6578	693	613	514	426	501	513	529	620	853	879	1047	1008	958	808	16540
Patents By Year of Application:	8364	599	530	522	909	712	676	843	847	716	623	645	433	113	8	16540
EASTMAN KODAK COMPANY																
Patents By Year of Grant:	9578	694	748	712	578	688	492	320	296	352	298	428	395	391	243	16213
Patents By Year of Application:	11466	830	695	631	406	303	292	257	283	284	285	290	123	68	0	16213

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)																	
Patents By Year of Grant:	3663	653	647	736	698	778	677	703	725	987	963	1074	1070	1099	974	15447	
Patents By Year of Application:	5129	995	901	929	929	854	892	1034	927	951	732	596	440	129	9	15447	
SHARP KABUSHIKI KAISHA (SHARP CORPORATION)																	
Patents By Year of Grant:	4934	534	493	529	473	665	646	585	639	794	858	1097	1113	1082	969	15411	
Patents By Year of Application:	6540	614	794	781	788	861	811	822	847	956	833	516	137	103	8	15411	
MOTOROLA, INC.																	
Patents By Year of Grant:	10545	712	610	564	456	576	411	350	339	395	26	1	0	0	0	14985	
Patents By Year of Application:	12426	711	571	416	369	319	142	27	4	0	0	0	0	0	0	14985	
Panasonic Corporation																	
Patents By Year of Grant:	0	0	0	0	0	0	0	255	1759	2443	2533	2748	2582	2079	286	14685	
Patents By Year of Application:	50	106	304	806	1534	1866	2002	1931	1711	1536	1418	1009	333	67	12	14685	
ROBERT BOSCH GMBH																	
Patents By Year of Grant:	4118	679	753	903	756	646	568	413	465	586	615	743	884	985	1016	14130	
Patents By Year of Application:	6031	1287	1020	651	668	561	677	739	696	691	527	318	225	38	1	14130	
QUALCOMM, INC.																	
Patents By Year of Grant:	609	196	178	283	200	399	278	286	356	657	923	1292	2103	2586	2900	13246	
Patents By Year of Application:	1554	439	407	486	671	983	988	1271	1407	1386	1217	1162	1038	225	12	13246	
TOYOTA JIDOSHA K.K.																	
Patents By Year of Grant:	2561	296	273	268	271	384	351	387	453	721	898	1173	1171	1362	1463	12032	
Patents By Year of Application:	3241	298	379	521	671	929	1052	1228	1197	970	889	398	148	100	11	12032	
FUJI PHOTO FILM CO., LTD																	
Patents By Year of Grant:	6244	687	804	1025	750	906	294	14	14	3	1	0	0	0	0	10742	
Patents By Year of Application:	8489	916	771	390	150	23	1	2	0	0	0	0	0	0	0	10742	
TELEFONAKTIEBOLAGET L M ERICSSON (PUBL.)																	
Patents By Year of Grant:	2060	513	471	390	331	359	253	263	248	388	530	843	1149	1537	1406	10741	
Patents By Year of Application:	4014	379	337	421	440	483	634	906	797	694	679	575	278	96	8	10741	
TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.																	
Patents By Year of Grant:	1681	449	431	463	441	471	467	365	311	435	439	649	933	1446	1758	10739	
Patents By Year of Application:	2511	687	539	644	454	459	454	322	355	887	853	1063	1089	392	30	10739	
DENSO CORPORATION																	
Patents By Year of Grant:	1240	482	552	646	609	732	753	655	710	797	631	704	644	744	704	10603	
Patents By Year of Application:	2372	671	755	769	871	842	866	780	524	520	636	542	337	110	8	10603	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
CISCO TECHNOLOGY, INC.																
Patents By Year of Grant:	332	223	336	433	440	649	580	704	913	1114	979	950	885	1095	959	10592
Patents By Year of Application:	2313	662	708	731	1050	1001	833	643	549	513	654	546	305	80	4	10592
Apple, Inc.																
Patents By Year of Grant:	1251	76	80	94	85	106	118	185	289	563	676	1136	1775	2003	1937	10374
Patents By Year of Application:	1572	147	223	257	316	509	748	859	865	1142	1245	1551	669	248	23	10374
BROADCOM CORPORATION																
Patents By Year of Grant:	52	74	167	299	414	660	533	643	714	958	1164	1157	1083	1197	1086	10201
Patents By Year of Application:	712	674	722	955	859	826	928	672	773	785	860	760	581	80	14	10201
BROTHER KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	2085	115	105	165	152	238	325	462	529	770	886	1012	1026	1142	1187	10199
Patents By Year of Application:	2395	174	326	407	548	826	751	834	726	656	693	726	641	443	53	10199
E. I. DU PONT DE NEMOURS AND COMPANY																
Patents By Year of Grant:	4796	312	340	330	251	362	369	325	359	492	491	462	480	452	291	10112
Patents By Year of Application:	5622	382	435	397	434	461	438	371	414	359	346	270	145	36	2	10112
ADVANCED MICRO DEVICES, INC.																
Patents By Year of Grant:	4424	1154	904	802	526	439	304	194	181	164	187	178	224	217	193	10091
Patents By Year of Application:	6928	851	499	343	233	185	179	145	161	214	143	153	47	10	0	10091
SEMICONDUCTOR ENERGY LABORATORY CO., LTD.																
Patents By Year of Grant:	1148	246	273	336	292	405	413	468	545	733	761	861	1033	1177	1129	9820
Patents By Year of Application:	2094	415	425	590	565	622	558	543	554	747	1022	845	492	319	29	9820
HON HAI PRECISION IND. CO., LTD.																
Patents By Year of Grant:	1015	392	391	486	291	432	321	498	666	874	886	1014	1004	665	573	9508
Patents By Year of Application:	1616	542	356	516	335	641	643	842	910	1244	815	516	446	80	6	9508
BASF SE																
Patents By Year of Grant:	4160	473	393	343	231	278	225	244	207	327	357	440	602	645	536	9461
Patents By Year of Application:	5260	555	439	317	275	353	339	345	369	388	333	287	171	28	2	9461
INFINEON TECHNOLOGIES AG																
Patents By Year of Grant:	260	452	639	785	787	890	847	809	595	763	607	460	415	521	586	9416
Patents By Year of Application:	1601	1138	999	946	1006	812	702	482	293	315	355	405	273	88	1	9416
GOOGLE, INC.																
Patents By Year of Grant:	0	0	4	3	7	16	33	58	141	275	426	1151	1851	2566	2835	9366
Patents By Year of Application:	32	18	148	230	253	277	414	445	524	751	1998	2488	1288	467	33	9366

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
BOEING COMPANY																	
Patents By Year of Grant:	1472	199	266	420	403	478	428	421	532	658	695	672	788	898	974	9304	
Patents By Year of Application:	2084	531	625	579	634	702	674	711	605	570	570	556	367	85	11	9304	
KONINKLIJKE PHILIPS ELECTRONICS N.V.																	
Patents By Year of Grant:	12	842	1354	1217	763	896	547	483	504	662	688	820	471	9	11	9279	
Patents By Year of Application:	3727	1442	881	744	614	611	537	347	248	75	31	21	1	0	0	9279	
LUCENT TECHNOLOGIES INC.																	
Patents By Year of Grant:	5657	662	621	534	405	552	432	405	4	1	0	0	0	0	0	9273	
Patents By Year of Application:	7982	408	474	242	115	41	11	0	0	0	0	0	0	0	0	9273	
HONEYWELL INTERNATIONAL INC.																	
Patents By Year of Grant:	262	342	377	536	460	559	538	619	655	824	780	815	689	748	746	8950	
Patents By Year of Application:	1278	575	601	752	846	795	828	857	559	521	582	439	241	71	5	8950	
GM Global Technology Operations LLC																	
Patents By Year of Grant:	0	0	0	0	0	32	195	316	527	940	1092	1374	1621	1470	1309	8876	
Patents By Year of Application:	1	8	19	89	554	694	1004	1319	1193	1258	1162	890	580	104	1	8876	
PROCTER + GAMBLE COMPANY																	
Patents By Year of Grant:	3535	433	438	397	296	273	215	208	195	332	327	395	446	423	391	8304	
Patents By Year of Application:	4722	441	352	286	334	267	281	203	272	301	325	271	166	75	8	8304	
UNIVERSITY OF CALIFORNIA, THE REGENTS OF																	
Patents By Year of Grant:	2803	430	437	422	388	410	333	237	251	349	323	357	399	453	489	8081	
Patents By Year of Application:	4213	478	441	340	332	363	335	289	314	277	247	240	152	52	8	8081	
UNITED STATES OF AMERICA, NAVY																	
Patents By Year of Grant:	3669	378	359	317	258	270	268	224	232	302	311	355	399	364	362	8068	
Patents By Year of Application:	4477	350	345	318	286	241	295	263	321	308	317	245	204	82	16	8068	
FUJI XEROX CO., LTD.																	
Patents By Year of Grant:	1896	182	174	198	199	246	313	332	425	571	582	683	795	831	611	8038	
Patents By Year of Application:	2502	213	391	325	469	568	469	487	611	543	515	486	316	130	13	8038	
HEWLETT-PACKARD COMPANY																	
Patents By Year of Grant:	6463	1061	403	0	7	10	3	0	0	9	24	5	0	1	0	7986	
Patents By Year of Application:	7918	31	2	4	7	6	5	7	4	1	1	0	0	0	0	7986	
Fujifilm Corporation																	
Patents By Year of Grant:	0	0	0	0	0	3	660	863	873	1025	963	1022	863	925	748	7945	
Patents By Year of Application:	132	150	317	539	906	1022	802	831	853	708	617	394	356	292	26	7945	

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	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE																
Patents By Year of Grant:	588	89	103	86	112	171	206	254	305	461	506	616	868	862	800	6027
Patents By Year of Application:	855	204	265	316	355	421	466	515	549	592	534	493	358	97	7	6027
AT& T Intellectual Property I, L.P.																
Patents By Year of Grant:	0	0	0	0	0	0	0	141	425	480	719	885	1099	1295	872	5916
Patents By Year of Application:	64	87	194	205	398	466	680	886	805	445	365	643	456	208	14	5916
GENERAL MOTORS CORPORATION																
Patents By Year of Grant:	3472	190	291	376	392	490	343	194	94	7	0	0	0	0	0	5849
Patents By Year of Application:	3929	521	570	600	190	33	5	1	0	0	0	0	0	0	0	5849
NISSAN MOTOR COMPANY, LIMITED																
Patents By Year of Grant:	2270	249	260	261	290	328	268	222	253	274	190	165	196	238	278	5742
Patents By Year of Application:	2809	355	360	416	408	256	276	222	124	123	204	117	70	1	1	5742
SEAGATE TECHNOLOGY, LLC																
Patents By Year of Grant:	1361	338	405	431	282	257	162	190	202	282	322	325	287	370	498	5712
Patents By Year of Application:	2499	346	365	212	190	203	243	239	287	200	220	237	326	126	19	5712
BAYER AKTIENGESELLSCHAFT																
Patents By Year of Grant:	4144	398	348	329	176	148	38	11	5	9	3	4	0	2	0	5615
Patents By Year of Application:	4962	424	154	43	13	8	6	0	1	0	2	2	0	0	0	5615
MURATA MANUFACTURING CO., LTD.																
Patents By Year of Grant:	1868	444	446	373	228	176	106	161	173	190	187	267	283	299	376	5577
Patents By Year of Application:	2848	348	276	199	91	75	173	209	253	223	293	268	206	102	13	5577
MEDTRONIC INC.																
Patents By Year of Grant:	1395	171	192	178	181	233	250	148	217	374	377	422	453	482	351	5424
Patents By Year of Application:	1991	269	399	290	300	353	312	210	343	326	284	165	139	43	0	5424
TOKYO ELECTRON LIMITED																
Patents By Year of Grant:	1056	237	192	223	199	211	225	245	329	435	456	421	397	378	379	5383
Patents By Year of Application:	1641	291	317	292	306	384	467	362	298	288	305	246	131	52	3	5383
SCHLUMBERGER TECHNOLOGY CORPORATION																
Patents By Year of Grant:	789	177	194	206	178	224	217	259	274	464	451	462	507	506	454	5362
Patents By Year of Application:	1260	299	267	262	269	403	497	507	576	438	270	202	96	16	0	5362
CATERPILLAR INC.																
Patents By Year of Grant:	1962	246	220	174	154	142	176	172	161	219	273	267	248	366	480	5260
Patents By Year of Application:	2504	251	155	147	217	232	307	353	100	177	271	354	167	25	0	5260

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
YAZAKI CORP.																
Patents By Year of Grant:	2180	311	311	202	156	154	146	164	140	152	108	105	154	233	388	4904
Patents By Year of Application:	2797	253	170	173	153	151	147	185	153	180	191	144	151	53	3	4904
Samsung Display Co., Ltd.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	237	1259	1500	1825	4821
Patents By Year of Application:	1	0	5	11	41	71	123	198	460	775	1143	872	862	245	14	4821
DELPHI TECHNOLOGIES, INC.																
Patents By Year of Grant:	423	640	635	548	406	389	356	311	308	232	139	111	121	83	91	4793
Patents By Year of Application:	1784	619	506	376	430	286	239	163	83	86	90	68	57	5	1	4793
FREESCALE SEMICONDUCTOR, INC.																
Patents By Year of Grant:	0	0	0	134	256	287	322	322	368	489	483	438	455	520	681	4755
Patents By Year of Application:	136	224	297	287	512	523	476	470	371	264	294	386	335	173	7	4755
LG Display Co., Ltd.																
Patents By Year of Grant:	0	0	0	0	0	0	0	274	596	737	643	625	580	617	631	4703
Patents By Year of Application:	43	47	80	308	582	802	449	410	457	471	396	355	195	102	6	4703
SILVERBROOK RESEARCH PTY. LTD																
Patents By Year of Grant:	127	121	122	172	247	510	533	608	474	752	812	189	33	0	0	4700
Patents By Year of Application:	509	257	343	737	618	352	450	727	367	256	79	5	0	0	0	4700
SUMITOMO ELECTRIC INDUSTRIES, LTD.																
Patents By Year of Grant:	2008	170	183	177	170	160	149	145	156	175	188	188	245	307	276	4697
Patents By Year of Application:	2431	212	230	176	185	170	156	140	156	222	240	198	131	45	5	4697
TDK CORPORATION																
Patents By Year of Grant:	1008	258	231	204	159	292	338	322	342	359	334	295	235	144	157	4678
Patents By Year of Application:	1633	187	263	453	359	346	355	271	221	197	171	118	73	28	3	4678
BAKER HUGHES INCORPORATED																
Patents By Year of Grant:	958	138	161	123	131	134	172	197	247	362	332	368	367	422	483	4595
Patents By Year of Application:	1293	184	167	162	216	239	356	419	382	335	472	270	79	20	1	4595
UNITED TECHNOLOGIES CORPORATION																
Patents By Year of Grant:	1747	78	58	54	82	133	122	130	138	212	249	318	310	377	438	4446
Patents By Year of Application:	1908	89	129	236	194	301	281	209	161	184	307	368	40	35	4	4446
SAMSUNG SDI CO., LTD.																
Patents By Year of Grant:	26	108	118	150	125	162	315	432	421	438	357	298	368	513	563	4394
Patents By Year of Application:	334	196	224	473	628	521	350	281	233	464	349	228	102	10	1	4394

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
RAYTHEON COMPANY																	
Patents By Year of Grant:	1091	157	184	176	145	207	126	123	167	205	321	365	400	382	316	4365	
Patents By Year of Application:	1497	213	202	199	187	171	236	274	368	344	293	220	127	33	1	4365	
MINNESOTA MINING AND MANUFACTURING COMPANY																	
Patents By Year of Grant:	4272	11	6	3	1	1	0	0	0	0	0	0	0	0	0	4294	
Patents By Year of Application:	4293	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4294	
HALLIBURTON ENERGY SERVICES, INC.																	
Patents By Year of Grant:	527	166	186	209	193	279	284	220	203	264	223	270	368	430	464	4286	
Patents By Year of Application:	894	298	284	365	303	242	238	188	265	295	262	434	192	25	1	4286	
UNITED MICROELECTRONICS CORPORATION																	
Patents By Year of Grant:	1986	277	188	77	95	106	125	120	151	159	118	137	195	263	252	4249	
Patents By Year of Application:	2438	120	93	134	175	140	162	146	88	100	211	190	178	65	9	4249	
SAP AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	9	7	2	9	20	55	150	246	381	647	477	506	552	609	572	4242	
Patents By Year of Application:	38	186	350	613	543	473	358	304	219	356	275	356	147	23	1	4242	
MARVELL INTERNATIONAL LTD.																	
Patents By Year of Grant:	5	21	17	28	52	108	160	179	244	388	517	593	642	693	573	4220	
Patents By Year of Application:	76	90	126	199	186	238	433	512	371	390	399	550	429	211	10	4220	
Renesas Electronics Corp.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	146	984	1024	866	590	595	4205	
Patents By Year of Application:	0	3	3	6	33	109	247	462	679	791	651	635	358	203	25	4205	
EMC CORPORATION																	
Patents By Year of Grant:	357	101	135	129	130	161	173	192	250	307	282	319	374	609	668	4187	
Patents By Year of Application:	873	170	156	267	234	425	364	190	148	240	380	477	218	43	2	4187	
NATIONAL SEMICONDUCTOR CORPORATION																	
Patents By Year of Grant:	1786	208	217	219	223	259	227	191	200	204	172	98	92	52	21	4169	
Patents By Year of Application:	2291	264	270	312	254	166	220	123	68	96	86	11	7	1	0	4169	
NORTEL NETWORKS LIMITED																	
Patents By Year of Grant:	947	413	435	497	377	320	272	272	245	180	178	15	0	1	0	4152	
Patents By Year of Application:	2903	339	330	239	106	105	47	38	27	16	2	0	0	0	0	4152	
AGILENT TECHNOLOGIES, INC.																	
Patents By Year of Grant:	456	312	387	645	559	468	283	261	178	124	115	108	83	92	49	4120	
Patents By Year of Application:	1537	688	571	339	300	235	115	84	84	57	48	33	25	4	0	4120	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
LOCKHEED MARTIN CORPORATION																
Patents By Year of Grant:	618	192	223	200	201	229	240	208	213	298	296	346	332	263	220	4079
Patents By Year of Application:	1181	291	293	247	246	266	235	315	291	251	208	146	79	27	3	4079
ORACLE INTERNATIONAL CORPORATION																
Patents By Year of Grant:	0	2	36	94	93	174	168	201	203	372	439	462	525	651	614	4034
Patents By Year of Application:	367	248	277	286	278	251	363	354	307	287	354	404	196	58	4	4034
OKI ELECTRIC INDUSTRY CO., LTD.																
Patents By Year of Grant:	1489	326	295	307	315	318	279	232	82	64	63	91	66	46	58	4031
Patents By Year of Application:	2249	392	365	276	230	148	80	63	75	67	24	41	19	2	0	4031
SHELL OIL COMPANY																
Patents By Year of Grant:	1928	79	100	170	119	185	138	135	141	178	127	134	189	210	184	4017
Patents By Year of Application:	2286	244	163	198	120	129	166	166	137	129	129	101	34	15	0	4017
MINOLTA CAMERA CO., LTD.																
Patents By Year of Grant:	2736	240	221	210	159	169	113	53	41	33	23	8	4	0	0	4010
Patents By Year of Application:	3621	184	131	21	13	10	13	8	1	7	1	0	0	0	0	4010
Hong Fu Jin Precision Industry (Shenzhen) Co., Ltd.																
Patents By Year of Grant:	0	0	0	0	0	21	104	196	286	453	495	781	922	480	208	3946
Patents By Year of Application:	0	5	5	98	147	305	324	428	679	688	799	331	119	18	0	3946
HYUNDAI MOTOR COMPANY																
Patents By Year of Grant:	505	145	105	110	119	133	109	104	125	190	240	282	398	603	742	3910
Patents By Year of Application:	750	164	156	114	142	141	153	277	279	284	412	489	449	100	0	3910
CORNING INCORPORATED																
Patents By Year of Grant:	1081	247	257	235	113	133	128	96	121	181	212	240	279	276	272	3871
Patents By Year of Application:	1680	233	151	128	129	143	193	204	259	209	198	186	116	41	1	3871
KIMBERLY-CLARK WORLDWIDE, INC.																
Patents By Year of Grant:	889	247	363	301	256	224	173	142	159	236	200	204	181	172	108	3855
Patents By Year of Application:	1870	412	276	200	214	164	151	138	90	110	77	87	53	11	2	3855
RENESAS TECHNOLOGY CORPORATION																
Patents By Year of Grant:	0	0	20	913	606	583	505	500	369	342	8	0	1	0	0	3847
Patents By Year of Application:	417	737	746	494	459	429	360	162	40	1	1	1	0	0	0	3847
RESEARCH IN MOTION LIMITED																
Patents By Year of Grant:	32	16	13	14	27	84	131	205	306	477	663	985	816	9	0	3778
Patents By Year of Application:	97	66	96	343	367	440	392	349	513	526	367	219	3	0	0	3778

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	Pre	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
L'OREAL S.A.																
Patents By Year of Grant:	1604	280	208	128	107	153	163	144	115	161	147	98	143	170	149	3770
Patents By Year of Application:	2262	224	189	159	171	141	110	95	123	118	86	67	21	4	0	3770
PIONEER HI-BRED INTERNATIONAL, INC.																
Patents By Year of Grant:	576	62	71	130	116	134	204	142	206	181	296	382	443	443	383	3769
Patents By Year of Application:	828	99	107	153	151	139	222	242	315	446	325	403	285	54	0	3769
UNITED STATES OF AMERICA, ARMY																
Patents By Year of Grant:	1741	145	129	134	127	181	144	129	116	146	128	172	155	155	162	3764
Patents By Year of Application:	2080	161	168	193	185	146	96	108	113	129	125	130	95	30	5	3764
MASSACHUSETTS INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	1280	135	127	132	136	139	141	134	134	174	160	216	281	275	278	3742
Patents By Year of Application:	1719	178	187	137	165	185	154	146	208	171	169	170	120	31	2	3742
YAMAHA CORPORATION																
Patents By Year of Grant:	1546	130	113	109	142	169	174	193	211	204	194	179	131	122	102	3719
Patents By Year of Application:	1933	180	219	172	221	187	185	174	115	116	96	56	43	22	0	3719
LSI LOGIC CORPORATION																
Patents By Year of Grant:	1667	308	374	378	339	384	105	107	29	7	3	1	1	0	0	3703
Patents By Year of Application:	2661	437	342	146	80	19	9	6	2	1	0	0	0	0	0	3703
EATON CORPORATION																
Patents By Year of Grant:	1757	156	139	123	125	136	121	119	141	125	122	130	161	147	168	3670
Patents By Year of Application:	2043	146	147	156	169	146	152	116	140	116	137	102	84	15	1	3670
SUMITOMO CHEMICAL COMPANY, LIMITED																
Patents By Year of Grant:	1588	187	174	152	113	102	109	80	107	132	181	204	175	190	175	3669
Patents By Year of Application:	2032	205	156	138	132	128	126	164	151	123	145	117	37	12	3	3669
ILLINOIS TOOL WORKS INC.																
Patents By Year of Grant:	954	147	210	217	248	177	202	185	143	173	167	151	204	226	222	3626
Patents By Year of Application:	1367	287	272	233	239	216	208	181	155	163	114	99	62	28	2	3626
Alcatel Lucent																
Patents By Year of Grant:	0	0	0	0	0	0	41	98	149	227	402	630	648	700	716	3611
Patents By Year of Application:	33	91	157	196	264	397	433	400	434	373	402	291	113	26	1	3611
HUAWEI TECHNOLOGIES CO., LTD.																
Patents By Year of Grant:	0	1	1	5	9	19	21	48	82	251	356	532	685	773	799	3582
Patents By Year of Application:	11	38	62	41	76	198	231	288	416	401	556	627	430	188	19	3582

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
THOMSON LICENSING S.A.																
Patents By Year of Grant:	134	137	185	180	150	252	219	200	191	276	272	337	367	350	315	3565
Patents By Year of Application:	974	336	346	308	271	284	232	211	197	182	83	73	41	24	3	3565
OLYMPUS CORPORATION																
Patents By Year of Grant:	5	0	4	180	161	248	256	285	282	324	336	365	300	305	407	3458
Patents By Year of Application:	138	207	289	394	367	353	275	252	224	268	223	203	181	80	4	3458
HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.																
Patents By Year of Grant:	0	0	59	126	188	293	322	322	385	340	307	334	263	276	233	3448
Patents By Year of Application:	177	149	301	410	487	374	380	263	227	162	143	144	126	88	17	3448
SHIN ETSU CHEMICAL CO., LTD.																
Patents By Year of Grant:	1378	134	136	166	119	107	97	92	134	157	143	167	172	215	225	3442
Patents By Year of Application:	1708	166	154	135	133	136	143	113	142	159	156	139	115	40	3	3442
XILINX, INC.																
Patents By Year of Grant:	579	146	137	137	177	261	233	243	262	265	210	232	201	171	169	3423
Patents By Year of Application:	919	204	273	302	297	220	205	239	215	194	116	96	88	52	3	3423
ALTERA CORPORATION																
Patents By Year of Grant:	454	87	67	86	118	202	268	257	219	240	228	245	279	317	275	3342
Patents By Year of Application:	650	157	223	296	283	250	211	223	180	205	210	209	164	80	1	3342
OLYMPUS OPTICAL CO., LTD.																
Patents By Year of Grant:	2469	260	251	119	80	62	30	15	14	10	4	2	2	0	0	3318
Patents By Year of Application:	3063	129	70	18	13	10	6	3	0	4	2	0	0	0	0	3318
ROHM CO., LTD.																
Patents By Year of Grant:	1054	150	128	135	113	163	143	155	114	160	208	171	186	197	239	3316
Patents By Year of Application:	1406	143	161	197	200	180	128	221	113	108	139	128	123	65	4	3316
SAMSUNG ELECTRO-MECHANICS CO., LTD.																
Patents By Year of Grant:	174	45	79	78	82	126	149	170	223	272	292	357	343	406	495	3291
Patents By Year of Application:	295	93	124	155	167	252	257	326	331	253	298	374	312	52	2	3291
DELL PRODUCTS, L.P.																
Patents By Year of Grant:	686	109	130	129	131	119	133	159	191	185	226	234	209	280	356	3277
Patents By Year of Application:	1086	112	170	142	176	223	214	273	188	132	154	206	161	34	6	3277
DEERE + COMPANY																
Patents By Year of Grant:	826	119	154	158	141	142	151	138	143	199	187	185	226	213	195	3177
Patents By Year of Application:	1111	170	179	150	214	209	187	208	168	165	186	131	80	19	0	3177

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
AU OPTRONICS CORP.																	
Patents By Year of Grant:	0	12	40	78	107	168	181	183	239	365	338	385	382	372	309	3159	
Patents By Year of Application:	64	51	210	241	242	297	300	299	317	323	331	267	154	57	6	3159	
BOSTON SCIENTIFIC SCIMED, INC.																	
Patents By Year of Grant:	0	3	8	6	81	127	147	175	250	416	445	398	387	395	250	3088	
Patents By Year of Application:	108	194	355	376	355	280	230	236	201	231	211	185	102	23	1	3088	
Amazon Technologies, Inc.																	
Patents By Year of Grant:	0	0	0	0	0	4	6	16	46	118	180	287	530	741	1136	3064	
Patents By Year of Application:	7	6	20	40	68	137	158	198	221	481	567	629	385	135	12	3064	
CARDIAC PACEMAKERS, INC.																	
Patents By Year of Grant:	271	94	112	87	110	136	153	148	181	238	324	295	348	351	192	3040	
Patents By Year of Application:	611	163	202	230	249	228	192	157	211	244	210	158	141	44	0	3040	
MONSANTO TECHNOLOGY, LLC																	
Patents By Year of Grant:	5	36	45	33	51	61	137	169	259	308	234	318	427	478	444	3005	
Patents By Year of Application:	152	90	83	69	107	172	292	301	218	358	292	507	260	104	0	3005	
STMICROELECTRONICS S.R.L.																	
Patents By Year of Grant:	435	266	216	162	160	161	168	143	108	148	181	148	213	180	242	2931	
Patents By Year of Application:	1001	194	214	172	176	160	131	157	123	165	147	141	112	33	5	2931	
UNITED STATES OF AMERICA, DEPARTMENT OF HEALTH & HUMAN SERVICES																	
Patents By Year of Grant:	1223	91	87	117	80	122	99	110	108	135	152	131	146	177	152	2930	
Patents By Year of Application:	1674	145	126	97	112	104	107	100	118	120	93	71	51	12	0	2930	
HOECHST AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	2898	18	9	1	2	0	0	0	1	0	0	0	0	0	0	2929	
Patents By Year of Application:	2926	2	0	1	0	0	0	0	0	0	0	0	0	0	0	2929	
BlackBerry Limited																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	515	1328	1069	2912	
Patents By Year of Application:	0	1	5	15	24	44	90	91	202	426	583	910	406	113	2	2912	
ALPS ELECTRIC CO., LTD.																	
Patents By Year of Grant:	1107	210	252	239	215	187	168	145	91	56	60	45	51	38	44	2908	
Patents By Year of Application:	1686	211	236	189	168	92	78	56	39	37	36	45	28	7	0	2908	
NGK INSULATORS LTD.																	
Patents By Year of Grant:	1030	161	147	144	105	125	116	125	124	137	127	121	157	123	129	2871	
Patents By Year of Application:	1397	198	149	142	122	84	123	115	151	111	113	86	49	30	1	2871	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
FORD MOTOR COMPANY																
Patents By Year of Grant:	2422	18	46	58	46	41	31	42	32	34	25	22	10	16	15	2858
Patents By Year of Application:	2526	58	57	45	38	40	39	14	15	10	7	4	3	2	0	2858
KONICA CORPORATION																
Patents By Year of Grant:	1960	177	146	194	124	113	65	39	15	8	10	0	0	0	0	2851
Patents By Year of Application:	2342	217	222	16	20	15	12	5	1	1	0	0	0	0	0	2851
AISIN SEIKI KABUSHIKI KAISHA																
Patents By Year of Grant:	1156	127	108	112	89	97	86	94	109	110	99	130	154	158	179	2808
Patents By Year of Application:	1413	122	105	115	120	134	103	91	120	141	133	110	64	36	1	2808
ABBOTT LABORATORIES																
Patents By Year of Grant:	1531	115	114	65	46	69	54	67	74	105	133	170	103	76	49	2771
Patents By Year of Application:	1831	81	84	84	61	114	114	111	91	87	49	46	16	2	0	2771
UOP																
Patents By Year of Grant:	1069	95	67	68	46	58	51	104	96	143	158	171	171	215	239	2751
Patents By Year of Application:	1266	82	59	72	87	86	135	138	168	161	182	139	123	44	9	2751
MERCK + CO., INC.																
Patents By Year of Grant:	1874	174	132	58	64	78	102	99	123	26	2	1	0	0	0	2733
Patents By Year of Application:	2235	114	142	113	68	34	18	9	0	0	0	0	0	0	0	2733
BRISTOL-MYERS SQUIBB COMPANY																
Patents By Year of Grant:	945	101	131	96	113	175	164	147	145	126	101	119	130	107	87	2687
Patents By Year of Application:	1229	158	172	151	157	148	140	94	106	80	79	86	61	21	5	2687
DOW CHEMICAL COMPANY																
Patents By Year of Grant:	2448	118	42	28	10	9	5	0	3	0	1	0	0	0	0	2664
Patents By Year of Application:	2636	19	2	3	1	2	1	0	0	0	0	0	0	0	0	2664
UNIVERSITY OF TEXAS																
Patents By Year of Grant:	962	91	94	99	89	107	90	79	98	122	125	141	169	174	191	2631
Patents By Year of Application:	1307	119	134	102	83	109	108	123	125	142	101	85	68	23	2	2631
KYOCERA CORPORATION																
Patents By Year of Grant:	334	57	68	43	43	52	70	74	104	129	191	315	378	370	400	2628
Patents By Year of Application:	474	58	78	131	193	224	262	247	273	225	232	160	48	20	3	2628
CASIO COMPUTER CO. LTD.																
Patents By Year of Grant:	839	64	37	36	31	50	70	93	171	171	178	196	234	225	209	2604
Patents By Year of Application:	990	36	75	107	127	144	168	122	153	178	187	154	131	27	5	2604

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
SUMITOMO WIRING SYSTEMS, LTD.																	
Patents By Year of Grant:	1061	190	167	164	113	134	103	63	75	79	56	91	99	96	107	2598	
Patents By Year of Application:	1365	156	158	114	106	90	89	93	74	87	105	96	53	12	0	2598	
SPRINT COMMUNICATIONS COMPANY L.P.																	
Patents By Year of Grant:	88	42	54	86	69	110	112	122	126	202	240	399	365	270	311	2596	
Patents By Year of Application:	338	135	155	155	165	186	208	251	260	203	163	176	165	33	3	2596	
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION																	
Patents By Year of Grant:	1326	85	80	102	87	62	70	66	86	101	107	105	92	112	106	2587	
Patents By Year of Application:	1533	116	96	87	88	96	99	81	93	89	84	70	43	12	0	2587	
mitsubishi heavy industries, ltd.																	
Patents By Year of Grant:	414	139	153	118	110	68	72	75	74	109	141	224	315	321	237	2570	
Patents By Year of Application:	726	202	104	91	76	117	157	252	288	212	202	99	42	2	0	2570	
PFIZER INC.																	
Patents By Year of Grant:	1128	187	196	164	163	138	109	77	75	73	43	61	29	49	57	2549	
Patents By Year of Application:	1582	188	197	131	104	73	51	40	37	26	26	39	24	25	6	2549	
NVIDIA CORPORATION																	
Patents By Year of Grant:	47	15	25	42	52	102	108	175	271	229	264	267	290	334	325	2546	
Patents By Year of Application:	155	96	183	227	289	363	396	209	151	89	103	158	117	10	0	2546	
STANFORD UNIVERSITY																	
Patents By Year of Grant:	733	102	85	75	90	98	85	120	110	155	153	182	170	182	205	2545	
Patents By Year of Application:	1042	112	123	100	105	131	173	137	117	142	159	120	57	24	3	2545	
NXP B.V.																	
Patents By Year of Grant:	0	0	0	0	0	4	181	192	271	240	319	306	352	390	284	2539	
Patents By Year of Application:	38	85	248	309	274	265	195	210	271	167	167	150	113	46	1	2539	
NTT DOCOMO, INC.																	
Patents By Year of Grant:	1	4	6	18	65	135	145	152	202	277	269	348	388	306	215	2531	
Patents By Year of Application:	162	174	184	172	192	287	236	281	316	187	210	83	43	3	1	2531	
CYPRESS SEMICONDUCTOR CORP.																	
Patents By Year of Grant:	551	122	185	175	149	161	115	106	62	137	137	149	155	178	143	2525	
Patents By Year of Application:	1097	246	29	161	102	157	148	120	58	67	126	107	79	26	2	2525	
NCR CORPORATION																	
Patents By Year of Grant:	1162	161	166	128	82	112	103	77	72	48	49	80	90	97	90	2517	
Patents By Year of Application:	1753	132	54	65	77	62	64	63	53	60	64	43	24	2	1	2517	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
BRIDGESTONE CORPORATION																
Patents By Year of Grant:	1051	137	100	92	56	53	51	74	82	109	134	111	106	149	204	2509
Patents By Year of Application:	1378	98	92	86	119	128	129	106	100	112	65	74	18	4	0	2509
MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG																
Patents By Year of Grant:	711	107	130	106	88	100	104	100	106	157	131	129	155	177	199	2500
Patents By Year of Application:	1052	190	152	168	134	124	109	93	136	122	107	64	40	8	1	2500
INTERNATIONAL GAME TECHNOLOGY (IGT)																
Patents By Year of Grant:	53	38	71	108	100	81	95	124	131	262	272	275	335	315	238	2498
Patents By Year of Application:	320	178	192	208	181	245	240	152	85	65	207	202	183	31	9	2498
ADOBE SYSTEMS INCORPORATED																
Patents By Year of Grant:	132	25	28	42	39	53	53	86	136	201	286	328	342	422	319	2492
Patents By Year of Application:	323	58	79	91	171	226	281	325	234	194	212	222	68	8	0	2492
ALCATEL																
Patents By Year of Grant:	624	277	269	288	212	251	154	155	131	94	26	1	0	0	0	2482
Patents By Year of Application:	1622	276	209	195	114	60	3	1	1	1	0	0	0	0	0	2482
HYUNDAI ELECTRONICS INDUSTRIES CO., LTD.																
Patents By Year of Grant:	1762	391	179	106	25	15	2	1	0	0	0	0	0	0	0	2481
Patents By Year of Application:	2402	48	21	5	3	2	0	0	0	0	0	0	0	0	0	2481
ASAHI KOGAKU KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	2206	246	8	5	1	0	0	0	0	0	0	0	0	0	0	2466
Patents By Year of Application:	2464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2466
CALIFORNIA INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	669	110	139	135	101	115	116	96	93	134	111	136	147	172	183	2457
Patents By Year of Application:	1102	126	111	107	121	112	124	120	78	107	129	94	99	24	3	2457
ANALOG DEVICES, INC.																
Patents By Year of Grant:	570	67	116	118	129	141	142	122	84	142	128	164	193	195	144	2455
Patents By Year of Application:	799	178	128	158	133	123	113	131	147	111	156	158	103	16	1	2455
ELI LILLY AND COMPANY																
Patents By Year of Grant:	1543	116	87	59	48	56	69	63	68	66	74	67	40	44	38	2438
Patents By Year of Application:	1786	115	100	59	64	49	51	33	43	40	27	27	24	19	1	2438
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD.																
Patents By Year of Grant:	928	73	58	50	53	66	91	101	145	175	183	189	95	107	121	2435
Patents By Year of Application:	1076	71	67	79	151	161	195	185	185	61	38	73	61	32	0	2435

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
KONICA MINOLTA BUSINESS TECHNOLOGIES, INC.																	
Patents By Year of Grant:	0	0	0	0	5	72	92	107	173	280	315	451	466	340	129	2430	
Patents By Year of Application:	1	1	22	276	193	228	278	284	346	287	265	195	53	1	0	2430	
KAO KABUSHIKI KAISHA (KAO CORPORATION)																	
Patents By Year of Grant:	972	92	92	95	84	97	74	78	87	113	141	135	135	119	115	2429	
Patents By Year of Application:	1269	141	135	122	108	106	100	117	95	103	71	40	16	6	0	2429	
NITTO DENKO CORPORATION																	
Patents By Year of Grant:	357	74	78	89	84	109	100	103	118	160	187	238	266	260	203	2426	
Patents By Year of Application:	584	121	123	149	141	123	155	186	203	172	209	167	76	17	0	2426	
ASML NETHERLANDS B.V.																	
Patents By Year of Grant:	23	34	33	64	92	211	205	271	205	216	182	176	204	280	226	2422	
Patents By Year of Application:	113	65	173	454	258	283	147	153	227	194	177	102	52	22	2	2422	
MACRONIX INTERNATIONAL CO., LTD.																	
Patents By Year of Grant:	155	123	183	162	101	109	129	136	161	191	216	185	158	180	231	2420	
Patents By Year of Application:	400	218	149	137	148	220	216	151	142	176	142	138	109	71	3	2420	
HARRIS CORP.																	
Patents By Year of Grant:	915	82	71	89	122	96	90	92	104	107	119	121	136	128	129	2401	
Patents By Year of Application:	1118	122	155	96	87	149	143	113	95	67	94	106	44	11	1	2401	
SEIKO INSTRUMENTS INC.																	
Patents By Year of Grant:	732	183	179	140	61	75	79	68	104	104	130	159	161	115	105	2395	
Patents By Year of Application:	1144	114	86	75	96	107	114	111	120	139	113	86	56	32	2	2395	
GOODYEAR TIRE + RUBBER COMPANY																	
Patents By Year of Grant:	963	192	170	143	114	130	77	67	75	72	72	58	75	65	90	2363	
Patents By Year of Application:	1377	169	147	103	100	65	68	75	51	57	60	43	42	6	0	2363	
LSI CORPORATION																	
Patents By Year of Grant:	2	0	1	0	0	1	142	141	165	205	223	307	399	616	151	2353	
Patents By Year of Application:	12	35	90	152	219	112	108	274	245	272	315	358	141	20	0	2353	
ALLIED-SIGNAL INC.																	
Patents By Year of Grant:	2220	67	39	13	3	1	2	0	0	0	0	0	0	0	0	2345	
Patents By Year of Application:	2334	9	1	1	0	0	0	0	0	0	0	0	0	0	0	2345	
NEC ELECTRONICS CORPORATION																	
Patents By Year of Grant:	0	0	263	264	214	207	261	267	384	476	9	0	0	0	0	2345	
Patents By Year of Application:	407	256	259	230	382	360	257	154	38	2	0	0	0	0	0	2345	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
COMMISSARIAT A L'ENERGIE ATOMIQUE																
Patents By Year of Grant:	733	87	82	88	83	92	92	98	134	207	218	223	113	64	28	2342
Patents By Year of Application:	998	153	154	139	158	165	199	200	120	36	12	2	3	3	0	2342
AGERE SYSTEMS INC.																
Patents By Year of Grant:	18	52	316	274	168	240	193	181	210	235	167	136	77	61	1	2329
Patents By Year of Application:	833	188	189	221	208	229	175	137	70	22	27	21	9	0	0	2329
NOVARTIS AG (FORMERLY SANDOZ LTD.)																
Patents By Year of Grant:	305	95	84	78	76	81	51	61	69	183	192	270	287	243	224	2299
Patents By Year of Application:	559	126	136	110	117	156	167	127	151	171	166	178	91	41	3	2299
LEXMARK INTERNATIONAL, INC.																
Patents By Year of Grant:	542	115	128	108	91	118	167	147	126	180	148	153	82	86	92	2283
Patents By Year of Application:	811	128	147	243	192	136	156	129	73	71	63	68	40	24	2	2283
WISCONSIN ALUMNI RESEARCH FOUNDATION																
Patents By Year of Grant:	659	80	84	64	77	101	91	90	115	136	144	155	160	153	161	2270
Patents By Year of Application:	902	113	93	119	134	141	128	139	101	102	99	110	75	13	1	2270
VERIZON PATENT AND LICENSING, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	61	116	285	478	660	650	2250
Patents By Year of Application:	2	7	5	13	13	173	243	260	291	357	407	282	151	45	1	2250
SYMANTEC CORPORATION																
Patents By Year of Grant:	49	6	9	6	12	19	34	64	114	165	199	323	404	422	421	2247
Patents By Year of Application:	105	29	73	102	145	111	211	287	303	280	247	216	109	29	0	2247
KONINKLIJKE PHILIPS N.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	450	851	923	2224
Patents By Year of Application:	7	11	22	42	56	98	147	234	472	540	296	183	88	27	1	2224
Covidien LP																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	57	743	661	745	2207
Patents By Year of Application:	0	2	7	11	12	54	66	141	253	369	443	459	265	107	18	2207
AVAYA INC.																
Patents By Year of Grant:	173	128	92	81	46	71	68	74	79	200	233	230	231	260	234	2200
Patents By Year of Application:	544	112	118	154	175	187	155	172	146	145	99	118	69	6	0	2200
HOFFMANN-LA ROCHE INC.																
Patents By Year of Grant:	894	73	84	63	51	78	99	102	116	116	122	115	116	95	72	2196
Patents By Year of Application:	1052	81	89	109	107	119	118	102	95	89	83	102	30	14	6	2196

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
GENENTECH, INC.																	
Patents By Year of Grant:	609	69	71	62	70	146	281	226	86	119	80	104	104	95	73	2195	
Patents By Year of Application:	1016	436	53	57	79	101	64	63	56	67	78	70	43	12	0	2195	
CIBA-GEIGY CORPORATION																	
Patents By Year of Grant:	2168	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2170	
Patents By Year of Application:	2170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2170	
HUGHES AIRCRAFT COMPANY																	
Patents By Year of Grant:	2166	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2167	
Patents By Year of Application:	2167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2167	
PIONEER CORPORATION																	
Patents By Year of Grant:	53	131	204	248	214	266	223	158	141	150	159	116	39	21	34	2157	
Patents By Year of Application:	665	332	275	204	251	194	139	22	26	16	16	8	2	6	1	2157	
LG CHEM, LTD.																	
Patents By Year of Grant:	42	23	14	15	25	25	50	75	138	171	201	224	239	380	515	2137	
Patents By Year of Application:	86	38	48	82	151	232	224	202	145	163	206	190	270	95	5	2137	
DAIMLER-CHRYSLER AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	838	304	239	217	169	183	129	48	1	1	0	0	1	0	0	2130	
Patents By Year of Application:	1480	273	165	110	75	25	2	0	0	0	0	0	0	0	0	2130	
LG. PHILIPS LCD CO., LTD.																	
Patents By Year of Grant:	80	149	222	304	320	382	418	250	1	1	0	1	1	0	0	2129	
Patents By Year of Application:	746	398	397	407	131	39	11	0	0	0	0	0	0	0	0	2129	
JUNIPER NETWORKS, INC.																	
Patents By Year of Grant:	3	7	12	13	45	86	82	81	138	221	281	286	295	291	259	2100	
Patents By Year of Application:	171	123	61	71	110	135	158	182	262	318	195	197	86	29	2	2100	
HEIDELBERGER DRUCKMASCHINEN AG																	
Patents By Year of Grant:	947	157	240	200	83	43	51	55	47	38	45	46	45	58	34	2089	
Patents By Year of Application:	1451	152	86	51	64	41	60	38	58	26	25	20	9	8	0	2089	
EXXONMOBIL CHEMICAL PATENTS INC.																	
Patents By Year of Grant:	58	126	100	88	113	154	166	158	142	211	194	134	148	149	143	2084	
Patents By Year of Application:	338	164	222	153	221	182	173	130	112	119	113	86	54	15	2	2084	
BECTON, DICKINSON AND COMPANY																	
Patents By Year of Grant:	1021	66	88	71	60	63	45	57	52	84	77	68	101	107	114	2074	
Patents By Year of Application:	1236	94	119	69	56	48	82	66	92	69	59	36	41	6	1	2074	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
MEDIATEK INC.																
Patents By Year of Grant:	7	1	5	24	32	106	126	166	157	229	240	264	212	246	248	2063
Patents By Year of Application:	31	66	109	142	161	205	200	271	225	152	201	138	102	57	3	2063
DAI NIPPON PRINTING CO. LTD																
Patents By Year of Grant:	596	78	91	113	86	103	90	92	115	124	124	113	116	103	112	2056
Patents By Year of Application:	851	135	152	121	145	129	118	91	58	86	80	52	25	11	2	2056
YAHOO, INC.																
Patents By Year of Grant:	4	5	8	5	13	30	28	67	125	290	332	270	312	297	240	2026
Patents By Year of Application:	72	21	55	91	162	287	374	297	149	193	136	115	59	11	4	2026
AIR PRODUCTS AND CHEMICALS, INC.																
Patents By Year of Grant:	1019	74	97	72	57	67	65	70	58	61	57	82	92	81	62	2014
Patents By Year of Application:	1176	109	107	82	79	73	67	82	48	56	49	48	29	8	1	2014
STMICROELECTRONICS S.A.																
Patents By Year of Grant:	208	138	147	148	135	170	158	140	153	173	131	90	83	65	62	2001
Patents By Year of Application:	619	212	191	176	158	175	146	89	46	52	55	42	26	13	1	2001
LAM RESEARCH CORPORATION																
Patents By Year of Grant:	309	107	132	103	125	110	89	74	93	116	111	164	151	158	140	1982
Patents By Year of Application:	616	134	144	126	107	128	104	122	106	127	81	108	65	14	0	1982
MOBIL OIL CORP.																
Patents By Year of Grant:	1956	14	4	4	3	0	0	1	0	0	0	0	0	0	0	1982
Patents By Year of Application:	1980	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1982
PITNEY-BOWES, INC.																
Patents By Year of Grant:	962	78	89	115	93	83	62	80	79	82	91	79	41	28	19	1981
Patents By Year of Application:	1292	116	106	81	88	79	66	53	49	21	15	11	3	1	0	1981
UNISYS CORPORATION																
Patents By Year of Grant:	1086	118	99	117	83	106	86	89	52	40	23	18	13	23	24	1977
Patents By Year of Application:	1516	113	124	66	42	26	12	17	11	8	13	16	13	0	0	1977
NORTHROP GRUMMAN CORPORATION																
Patents By Year of Grant:	848	96	150	175	143	162	134	114	94	35	4	2	6	0	0	1963
Patents By Year of Application:	1230	139	190	138	144	91	18	4	5	2	2	0	0	0	0	1963
Microsoft Technology Licensing, LLC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1955	1956
Patents By Year of Application:	0	1	1	10	8	19	40	89	125	278	458	439	327	151	10	1956

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
TRW INC.																	
Patents By Year of Grant:	1499	227	134	51	26	13	1	1	0	0	0	0	0	0	0	1952	
Patents By Year of Application:	1905	46	1	0	0	0	0	0	0	0	0	0	0	0	0	1952	
ROLLS-ROYCE PLC																	
Patents By Year of Grant:	463	42	56	54	50	87	76	86	74	119	121	161	174	215	170	1948	
Patents By Year of Application:	575	65	81	116	126	105	129	122	171	171	123	123	30	11	0	1948	
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.																	
Patents By Year of Grant:	412	92	79	71	53	65	49	69	64	97	132	174	181	218	189	1945	
Patents By Year of Application:	688	97	77	66	109	117	149	143	108	99	143	96	43	10	0	1945	
ZF FRIEDRICHSHAFEN, AG																	
Patents By Year of Grant:	296	45	54	60	55	82	93	99	98	145	140	197	237	170	169	1940	
Patents By Year of Application:	399	96	106	128	127	145	194	183	138	156	101	78	73	15	1	1940	
AT& T Intellectual Property II, L.P.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	38	160	283	429	303	268	315	140	1936	
Patents By Year of Application:	29	44	47	90	375	196	211	217	224	94	99	151	110	47	2	1936	
BLACK & DECKER INC.																	
Patents By Year of Grant:	517	64	83	74	75	138	128	125	105	136	115	96	106	83	74	1919	
Patents By Year of Application:	683	118	127	150	152	122	126	111	75	91	58	61	40	5	0	1919	
SK Hynix Inc.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	74	271	710	852	1907	
Patents By Year of Application:	0	0	0	0	0	0	5	23	26	166	283	645	456	276	27	1907	
COMPAQ COMPUTER CORPORATION, INC.																	
Patents By Year of Grant:	1708	159	23	0	0	0	0	0	0	0	0	0	0	0	0	1890	
Patents By Year of Application:	1889	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1890	
TOYODA GOSEI KABUSHIKI KAISHA																	
Patents By Year of Grant:	555	84	86	88	116	91	106	78	84	91	95	70	110	123	107	1884	
Patents By Year of Application:	756	133	118	117	94	82	85	81	105	66	76	70	68	32	1	1884	
INSTITUT FRANCAIS DU PETROLE																	
Patents By Year of Grant:	1100	119	113	79	57	70	90	74	71	75	23	5	3	2	0	1881	
Patents By Year of Application:	1410	101	84	85	69	80	34	14	3	1	0	0	0	0	0	1881	
SHARP LABORATORIES OF AMERICA, INC.																	
Patents By Year of Grant:	123	77	115	103	105	164	168	144	94	136	179	170	128	92	82	1880	
Patents By Year of Application:	476	137	183	206	193	138	166	107	57	71	59	52	30	5	0	1880	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
ERICSSON, INC.																
Patents By Year of Grant:	1183	251	181	109	59	46	24	8	2	1	1	2	0	2	2	1871
Patents By Year of Application:	1818	33	8	5	0	2	1	1	0	0	1	1	1	0	0	1871
MAZDA MOTOR CORPORATION																
Patents By Year of Grant:	1177	44	44	47	39	42	35	47	43	56	49	52	67	63	63	1868
Patents By Year of Application:	1270	50	50	46	44	55	58	54	47	46	65	44	27	11	1	1868
Dow Global Technologies LLC																
Patents By Year of Grant:	0	39	89	92	68	64	55	47	68	125	142	199	276	288	312	1864
Patents By Year of Application:	160	115	93	109	80	132	138	152	186	224	223	151	81	17	3	1864
PIONEER ELECTRONIC CORPORATION																
Patents By Year of Grant:	1697	64	36	28	13	8	5	7	3	3	0	0	0	0	0	1864
Patents By Year of Application:	1829	16	10	7	1	1	0	0	0	0	0	0	0	0	0	1864
UNITED STATES OF AMERICA, AIR FORCE																
Patents By Year of Grant:	1148	68	68	48	48	43	37	39	48	45	44	52	58	54	59	1859
Patents By Year of Application:	1297	61	51	49	68	40	38	39	47	37	47	38	29	16	2	1859
ASAHI GLASS COMPANY, LTD.																
Patents By Year of Grant:	580	81	105	92	59	76	49	75	69	117	97	126	160	83	84	1853
Patents By Year of Application:	781	111	68	69	86	78	105	87	96	106	96	102	44	23	1	1853
NIKE, INC.																
Patents By Year of Grant:	88	19	20	21	40	59	41	45	73	122	176	223	273	319	330	1849
Patents By Year of Application:	138	37	65	79	70	94	125	129	181	233	264	256	133	40	5	1849
FUNAI ELECTRIC CO., LTD.																
Patents By Year of Grant:	143	40	39	56	62	114	123	146	228	237	202	160	122	106	66	1844
Patents By Year of Application:	280	78	92	161	236	238	234	186	79	96	47	69	25	20	3	1844
HITACHI HIGH-TECHNOLOGIES CORPORATION																
Patents By Year of Grant:	0	0	3	24	47	84	83	135	132	194	219	249	210	255	208	1843
Patents By Year of Application:	5	43	82	121	122	146	194	238	241	241	181	140	66	23	0	1843
Oracle America, Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	448	475	425	256	153	79	1836
Patents By Year of Application:	30	32	56	142	200	322	286	334	291	64	52	24	2	1	0	1836
ROHM AND HAAS COMPANY																
Patents By Year of Grant:	966	76	83	86	61	77	55	46	48	55	53	62	47	63	55	1833
Patents By Year of Application:	1170	102	100	49	53	50	51	60	43	39	47	39	19	11	0	1833

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
ADVANTEST CORP.																	
Patents By Year of Grant:	451	123	92	73	52	86	93	110	113	137	119	111	111	89	62	1822	
Patents By Year of Application:	716	63	81	100	115	123	133	123	124	91	91	37	23	1	1	1822	
SCI-MED LIFE SYSTEMS, INC.																	
Patents By Year of Grant:	645	222	311	250	138	114	59	28	17	9	14	8	4	0	0	1819	
Patents By Year of Application:	1393	209	130	47	20	5	6	4	0	3	2	0	0	0	0	1819	
DAIKIN INDUSTRIES LIMITED																	
Patents By Year of Grant:	544	68	65	76	58	58	56	55	76	121	128	135	128	113	137	1818	
Patents By Year of Application:	732	110	101	102	115	93	131	148	106	79	61	26	12	2	0	1818	
SUMITOMO RUBBER INDUSTRIES, LTD.																	
Patents By Year of Grant:	691	83	125	125	75	71	67	60	57	64	60	62	59	88	124	1811	
Patents By Year of Application:	963	124	89	66	80	87	60	56	51	57	67	70	33	8	0	1811	
TYCO ELECTRONICS CORPORATION																	
Patents By Year of Grant:	49	67	100	103	86	109	90	96	124	168	183	156	159	156	161	1807	
Patents By Year of Application:	213	128	103	85	90	88	149	174	184	168	163	141	83	37	1	1807	
INTERDIGITAL TECHNOLOGY CORPORATION																	
Patents By Year of Grant:	137	40	54	103	106	181	137	135	158	140	146	149	124	111	82	1803	
Patents By Year of Application:	282	246	168	193	197	140	135	134	74	37	64	66	41	25	1	1803	
FUJI ELECTRIC CO., LTD.																	
Patents By Year of Grant:	912	57	76	74	50	32	12	6	1	0	20	102	108	153	199	1802	
Patents By Year of Application:	1065	78	55	12	10	3	16	41	81	78	118	109	84	49	3	1802	
DIGITAL EQUIPMENT CORPORATION																	
Patents By Year of Grant:	1784	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1784	
Patents By Year of Application:	1784	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1784	
ALLERGAN, INC.																	
Patents By Year of Grant:	523	24	41	46	36	50	55	71	59	105	131	111	196	183	136	1767	
Patents By Year of Application:	614	58	70	80	66	92	107	123	116	58	111	120	117	35	0	1767	
DOW CORNING CORPORATION																	
Patents By Year of Grant:	1151	51	46	47	15	16	10	22	29	48	48	60	61	76	72	1752	
Patents By Year of Application:	1254	55	29	48	51	42	55	35	46	45	39	26	18	7	2	1752	
SYMBOL TECHNOLOGIES, INC.																	
Patents By Year of Grant:	436	38	59	81	59	121	125	117	103	105	103	101	101	95	104	1748	
Patents By Year of Application:	647	91	104	127	126	112	122	125	71	59	53	63	42	4	2	1748	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
BAXTER INTERNATIONAL INC.																
Patents By Year of Grant:	817	54	66	46	52	63	33	27	21	53	105	94	109	112	92	1744
Patents By Year of Application:	1000	91	58	28	36	45	83	79	57	70	97	52	45	3	0	1744
ETHICON ENDO-SURGERY, INC.																
Patents By Year of Grant:	271	32	36	14	18	46	39	65	89	191	147	169	216	212	195	1740
Patents By Year of Application:	367	24	72	76	159	170	205	129	101	171	151	74	30	10	1	1740
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY																
Patents By Year of Grant:	1298	45	43	40	22	22	23	17	23	38	27	37	43	29	29	1736
Patents By Year of Application:	1402	43	32	19	20	25	34	30	32	28	32	20	16	3	0	1736
HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN (HENKEL KGAA)																
Patents By Year of Grant:	876	70	63	67	29	42	48	43	34	50	54	89	90	91	84	1730
Patents By Year of Application:	1067	70	39	55	39	55	50	28	47	49	77	66	49	39	0	1730
NIPPONDENSO CO., LTD.																
Patents By Year of Grant:	1713	7	1	0	0	0	0	0	0	0	0	0	0	0	0	1721
Patents By Year of Application:	1721	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1721
VIA TECHNOLOGIES, INC.																
Patents By Year of Grant:	38	42	52	116	128	188	183	163	179	144	116	81	98	112	81	1721
Patents By Year of Application:	183	190	185	211	167	234	146	79	79	75	69	50	42	10	1	1721
HOYA CORPORATION																
Patents By Year of Grant:	247	38	48	63	48	45	53	114	193	212	180	127	140	122	85	1715
Patents By Year of Application:	368	69	98	91	174	175	179	113	130	103	84	86	33	12	0	1715
MOLEX INCORPORATED																
Patents By Year of Grant:	864	70	40	92	73	86	49	53	26	46	60	36	72	65	80	1712
Patents By Year of Application:	993	66	93	89	74	57	49	44	62	53	44	46	31	10	1	1712
JOHNS HOPKINS UNIVERSITY																
Patents By Year of Grant:	531	81	70	94	71	91	62	66	56	71	70	79	82	140	143	1707
Patents By Year of Application:	800	110	122	89	49	62	73	63	65	70	82	82	29	9	2	1707
WESTINGHOUSE ELECTRIC CORP.																
Patents By Year of Grant:	1706	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1707
Patents By Year of Application:	1707	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1707
PACESETTER, INC.																
Patents By Year of Grant:	339	77	76	81	76	98	116	85	81	137	115	143	107	92	82	1705
Patents By Year of Application:	574	127	87	122	120	136	144	75	76	64	64	57	40	17	2	1705

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
WHITAKER CORPORATION																	
Patents By Year of Grant:	1645	38	8	3	1	2	0	0	0	0	0	0	0	0	0	1697	
Patents By Year of Application:	1696	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1697	
WHIRLPOOL CORPORATION																	
Patents By Year of Grant:	387	34	43	30	33	33	56	62	73	86	142	138	189	180	194	1680	
Patents By Year of Application:	464	47	66	69	101	82	126	132	157	125	91	126	81	13	0	1680	
FUJINON CORPORATION (FORMERLY FUJI PHOTO OPTICAL CO. LTD.)																	
Patents By Year of Grant:	623	126	130	124	81	90	82	79	111	111	84	22	8	4	0	1675	
Patents By Year of Application:	874	134	112	97	103	113	95	78	58	9	1	1	0	0	0	1675	
GLOBALFOUNDRIES Inc.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	18	135	155	164	253	371	575	1671	
Patents By Year of Application:	5	9	8	21	31	44	116	95	107	173	202	285	397	159	19	1671	
TOYODA JIDOSHOKKI SEISAKUSHO KABUSHIKI KAISHA																	
Patents By Year of Grant:	703	137	127	85	33	52	56	52	49	50	40	52	59	73	96	1664	
Patents By Year of Application:	969	120	40	72	53	58	67	46	42	35	55	71	29	6	1	1664	
VICTOR COMPANY OF JAPAN, LIMITED																	
Patents By Year of Grant:	791	60	64	86	74	90	82	94	87	90	72	56	10	4	0	1660	
Patents By Year of Application:	1020	57	94	93	74	76	89	70	59	18	9	1	0	0	0	1660	
NOKIA MOBILE PHONES LTD.																	
Patents By Year of Grant:	844	207	202	165	104	94	16	5	5	3	0	0	2	1	0	1648	
Patents By Year of Application:	1603	20	8	10	5	0	0	1	0	1	0	0	0	0	0	1648	
ADC TELECOMMUNICATIONS, INC.																	
Patents By Year of Grant:	180	68	99	95	82	84	89	131	142	145	114	109	113	99	96	1646	
Patents By Year of Application:	429	97	51	64	96	123	173	142	127	104	106	81	39	13	1	1646	
FURUKAWA ELECTRIC CO., LTD.																	
Patents By Year of Grant:	470	85	134	160	100	63	45	39	51	74	78	79	81	84	93	1636	
Patents By Year of Application:	765	153	87	38	51	52	56	110	81	56	53	61	53	18	2	1636	
ACUSHNET COMPANY																	
Patents By Year of Grant:	192	52	77	94	85	125	92	79	80	113	153	153	108	116	116	1635	
Patents By Year of Application:	338	112	124	135	100	62	70	133	140	108	126	84	76	26	1	1635	
SHIMANO INC.																	
Patents By Year of Grant:	520	90	84	57	81	105	73	72	67	89	61	48	71	103	114	1635	
Patents By Year of Application:	692	87	107	104	110	91	74	67	54	42	70	86	39	12	0	1635	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
NESTEC, S.A.																
Patents By Year of Grant:	701	64	73	56	46	35	38	20	31	60	45	72	128	144	118	1631
Patents By Year of Application:	894	73	61	58	52	51	74	71	97	95	51	27	21	5	1	1631
SMITHKLINE BEECHAM CORPORATION																
Patents By Year of Grant:	880	206	130	78	53	78	66	66	59	10	1	3	0	0	0	1630
Patents By Year of Application:	1274	143	86	44	29	28	15	9	2	0	0	0	0	0	0	1630
COLGATE-PALMOLIVE COMPANY																
Patents By Year of Grant:	862	121	87	32	25	30	26	33	22	34	43	46	74	104	74	1613
Patents By Year of Application:	990	108	62	43	45	40	51	51	43	72	46	25	29	8	0	1613
NSK LTD.																
Patents By Year of Grant:	580	117	104	111	88	90	91	91	43	31	30	31	36	74	93	1610
Patents By Year of Application:	850	137	139	104	76	52	53	19	4	20	60	73	18	5	0	1610
NIPPON TELEGRAPH & TELEPHONE CORP.																
Patents By Year of Grant:	667	56	64	65	52	76	64	56	63	71	65	58	95	77	80	1609
Patents By Year of Application:	875	86	80	104	79	53	60	65	57	56	49	39	4	2	0	1609
WESTERN DIGITAL TECHNOLOGIES, INC.																
Patents By Year of Grant:	12	39	59	85	116	106	56	54	60	65	86	116	161	280	297	1592
Patents By Year of Application:	169	115	87	95	75	57	57	86	96	141	171	171	165	96	11	1592
VISTEON GLOBAL TECHNOLOGIES, INC.																
Patents By Year of Grant:	233	186	243	273	193	137	80	41	49	41	32	27	23	16	11	1585
Patents By Year of Application:	717	301	209	94	78	35	48	43	15	14	16	9	6	0	0	1585
NGK SPARK PLUG CO., LTD.																
Patents By Year of Grant:	494	59	92	90	54	59	46	52	48	57	65	110	119	119	112	1576
Patents By Year of Application:	678	99	61	66	54	63	56	89	103	74	106	73	34	17	3	1576
SHOWA DENKO KABUSHIKI KAISHA																
Patents By Year of Grant:	362	85	70	86	63	88	48	55	90	123	126	117	91	91	79	1574
Patents By Year of Application:	569	123	110	102	117	107	85	100	87	69	54	22	18	11	0	1574
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)																
Patents By Year of Grant:	595	57	58	53	24	49	38	48	51	64	91	112	126	85	121	1572
Patents By Year of Application:	728	64	59	62	64	69	95	88	94	79	93	53	19	5	0	1572
ZTE CORPORATION																
Patents By Year of Grant:	0	0	0	2	1	2	1	2	7	22	34	101	273	705	416	1566
Patents By Year of Application:	3	5	18	24	31	24	85	137	275	647	266	43	7	1	0	1566

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
Fujitsu Semiconductor Limited																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	190	380	290	340	259	104	1563	
Patents By Year of Application:	1	0	5	14	47	120	141	261	264	212	214	164	83	35	2	1563	
AGFA-GEVAERT N.V.																	
Patents By Year of Grant:	1093	104	80	71	46	60	43	17	5	6	10	5	7	7	7	1561	
Patents By Year of Application:	1293	78	82	38	23	10	10	2	4	9	8	4	0	0	0	1561	
DELTA ELECTRONICS INC.																	
Patents By Year of Grant:	76	49	77	87	77	100	92	90	102	100	141	115	113	172	166	1557	
Patents By Year of Application:	195	78	130	117	101	133	116	133	86	110	125	140	74	18	1	1557	
EASTMAN CHEMICAL COMPANY																	
Patents By Year of Grant:	704	96	73	53	35	27	55	59	68	72	79	51	50	63	64	1549	
Patents By Year of Application:	886	59	59	57	67	100	60	36	34	67	40	48	25	10	1	1549	
SANDIA CORPORATION																	
Patents By Year of Grant:	445	101	88	70	49	56	66	75	63	73	62	92	95	104	108	1547	
Patents By Year of Application:	668	70	79	73	68	71	72	71	77	85	72	58	60	19	4	1547	
OMRON CORPORATION																	
Patents By Year of Grant:	331	44	60	86	81	105	105	84	82	85	70	91	108	85	123	1540	
Patents By Year of Application:	492	101	123	83	86	135	91	82	74	65	109	43	45	11	0	1540	
LEAR CORPORATION																	
Patents By Year of Grant:	266	60	83	117	118	198	127	65	68	68	71	72	65	86	75	1539	
Patents By Year of Application:	416	139	182	199	115	64	67	80	51	63	78	51	26	8	0	1539	
LG INNOTEK CO., LTD																	
Patents By Year of Grant:	0	0	0	0	1	1	3	11	16	63	131	205	330	401	375	1537	
Patents By Year of Application:	0	0	7	13	23	32	80	99	119	270	394	245	179	74	2	1537	
CADENCE DESIGN SYSTEMS, INC.																	
Patents By Year of Grant:	73	21	41	55	95	117	59	69	92	128	136	157	178	174	139	1534	
Patents By Year of Application:	216	181	85	58	76	128	139	136	100	109	96	109	64	36	1	1534	
CIBA SPECIALTY CHEMICALS CORPORATION																	
Patents By Year of Grant:	641	142	124	98	88	114	91	69	74	82	6	2	2	0	0	1533	
Patents By Year of Application:	945	183	156	97	59	47	23	13	8	2	0	0	0	0	0	1533	
SIEMENS MEDICAL SOLUTIONS USA, INC.																	
Patents By Year of Grant:	2	29	29	41	34	36	61	144	162	245	204	188	146	112	94	1527	
Patents By Year of Application:	96	68	82	116	192	221	210	145	123	102	80	59	21	11	1	1527	

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
BASF CORPORATION																	
Patents By Year of Grant:	840	83	55	45	39	31	28	21	23	38	39	55	49	57	44	1447	
Patents By Year of Application:	1011	52	35	38	46	40	33	34	40	36	29	27	10	9	7	1447	
EBARA CORPORATION																	
Patents By Year of Grant:	526	123	94	96	78	78	79	55	45	40	59	41	39	38	50	1441	
Patents By Year of Application:	825	97	96	82	53	39	49	53	38	26	26	19	22	16	0	1441	
3COM CORPORATION																	
Patents By Year of Grant:	567	188	200	182	89	83	33	34	31	22	0	0	0	0	0	1429	
Patents By Year of Application:	1284	65	41	21	10	6	1	1	0	0	0	0	0	0	0	1429	
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH																	
Patents By Year of Grant:	216	120	133	129	119	124	94	73	53	68	28	39	55	78	99	1428	
Patents By Year of Application:	501	196	177	139	48	63	41	52	45	35	42	55	25	9	0	1428	
STMICROELECTRONICS, INC.																	
Patents By Year of Grant:	363	89	99	102	58	77	63	64	34	54	52	66	92	103	102	1418	
Patents By Year of Application:	671	88	81	92	39	44	38	40	72	95	38	47	53	20	0	1418	
OKIDATA CORPORATION																	
Patents By Year of Grant:	144	25	26	26	32	40	53	66	47	101	126	186	181	185	172	1410	
Patents By Year of Application:	207	30	58	74	87	87	88	145	153	136	99	102	88	53	3	1410	
KOITO MANUFACTURING COMPANY LIMITED																	
Patents By Year of Grant:	453	84	97	63	52	67	87	72	56	65	53	66	59	68	64	1406	
Patents By Year of Application:	619	87	78	70	97	67	64	62	74	47	47	50	36	7	1	1406	
Warsaw Orthopedic, Inc.																	
Patents By Year of Grant:	0	0	0	0	0	6	49	52	110	190	247	209	213	170	151	1397	
Patents By Year of Application:	22	29	94	113	141	269	115	85	114	172	130	63	44	6	0	1397	
ETHICON, INC.																	
Patents By Year of Grant:	606	68	90	60	39	65	53	23	43	47	42	47	61	85	60	1389	
Patents By Year of Application:	825	90	79	55	55	35	37	48	41	45	26	25	25	3	0	1389	
TORAY INDUSTRIES INC.																	
Patents By Year of Grant:	552	65	62	44	36	32	23	34	31	43	58	89	88	97	134	1388	
Patents By Year of Application:	723	68	49	46	49	58	55	65	62	63	73	53	20	4	0	1388	
ELPIDA MEMORY, INC.																	
Patents By Year of Grant:	0	0	1	22	50	49	84	97	139	250	209	195	249	35	1	1381	
Patents By Year of Application:	7	31	58	66	75	166	192	215	177	183	128	72	11	0	0	1381	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
RAMBUS, INC.																
Patents By Year of Grant:	134	43	59	63	59	101	86	69	79	70	84	130	129	106	165	1377
Patents By Year of Application:	291	59	83	113	106	65	67	98	99	88	78	101	75	41	13	1377
NOVO NORDISK A/S																
Patents By Year of Grant:	858	39	56	24	29	24	19	17	19	19	38	39	58	74	61	1374
Patents By Year of Application:	992	37	38	11	39	45	53	29	32	26	30	25	12	4	1	1374
CHEVRON U.S.A. INC.																
Patents By Year of Grant:	136	33	52	65	42	48	44	45	66	108	125	125	148	165	166	1368
Patents By Year of Application:	257	57	65	62	69	54	86	145	114	153	141	84	62	17	2	1368
COLUMBIA UNIVERSITY																
Patents By Year of Grant:	365	46	61	52	57	54	55	54	46	82	76	78	104	119	119	1368
Patents By Year of Application:	601	59	55	70	55	58	92	71	76	80	59	41	36	14	1	1368
HAMAMATSU PHOTONICS KABUSHIKI KAISHA																
Patents By Year of Grant:	361	25	51	42	53	75	50	54	77	93	82	86	110	112	97	1368
Patents By Year of Application:	473	90	84	106	83	70	72	67	74	91	77	49	27	5	0	1368
TEKTRONIX INC.																
Patents By Year of Grant:	673	59	54	57	48	37	49	47	41	44	42	47	50	58	59	1365
Patents By Year of Application:	834	61	49	50	61	56	37	37	35	37	39	41	22	6	0	1365
AISIN AW CO., LTD.																
Patents By Year of Grant:	407	20	41	44	31	49	40	42	33	53	93	143	129	131	106	1362
Patents By Year of Application:	484	44	63	52	54	63	57	118	107	86	103	111	19	1	0	1362
ROCKWELL COLLINS, INC.																
Patents By Year of Grant:	83	78	68	53	38	51	53	63	118	97	98	106	137	169	150	1362
Patents By Year of Application:	292	52	61	81	92	106	109	107	86	97	121	99	50	7	2	1362
BRITISH TELECOMMUNICATION, PLC																
Patents By Year of Grant:	638	56	48	32	31	40	56	45	49	53	60	62	59	66	56	1351
Patents By Year of Application:	917	59	51	36	38	51	63	41	36	29	20	7	2	1	0	1351
NIPPON STEEL CORP.																
Patents By Year of Grant:	808	62	59	41	45	28	26	22	25	64	73	76	16	1	0	1346
Patents By Year of Application:	959	77	61	49	32	31	54	29	27	18	9	0	0	0	0	1346
PORSCHE AG																
Patents By Year of Grant:	422	55	49	60	55	48	40	49	49	59	79	97	87	92	105	1346
Patents By Year of Application:	523	73	66	48	52	37	78	75	106	62	84	59	54	29	0	1346

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
FUJI JUKOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	531	50	83	81	45	62	47	35	38	48	40	66	58	71	90	1345	
Patents By Year of Application:	683	75	69	76	51	45	48	56	39	36	45	55	49	17	1	1345	
SCHERING CORP.																	
Patents By Year of Grant:	573	62	61	44	58	71	68	73	98	110	69	56	1	0	0	1344	
Patents By Year of Application:	742	81	79	72	79	104	76	40	36	24	9	2	0	0	0	1344	
JANSSEN PHARMACEUTICA N.V.																	
Patents By Year of Grant:	259	33	23	16	18	45	57	65	104	125	110	116	141	135	92	1339	
Patents By Year of Application:	355	33	62	57	105	108	139	92	90	94	62	51	52	39	0	1339	
HAMILTON SUNDSTRAND CORPORATION																	
Patents By Year of Grant:	49	18	18	28	23	36	42	45	61	82	99	154	187	233	263	1338	
Patents By Year of Application:	83	44	33	70	72	56	80	90	158	187	170	199	80	16	0	1338	
L'AIR LIQUIDE, SOCIETE ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE																	
Patents By Year of Grant:	631	81	79	39	36	31	38	33	26	23	31	69	64	80	69	1330	
Patents By Year of Application:	813	52	65	59	34	35	45	48	53	47	35	23	13	8	0	1330	
SYNOPSIS INC.																	
Patents By Year of Grant:	111	31	20	21	42	45	73	60	77	84	140	141	172	193	116	1326	
Patents By Year of Application:	207	50	46	77	81	71	107	135	126	91	93	95	110	37	0	1326	
AJINOMOTO COMPANY INCORPORATED																	
Patents By Year of Grant:	454	64	48	66	47	60	79	64	60	74	73	66	68	41	52	1316	
Patents By Year of Application:	638	95	45	76	72	67	55	64	56	47	28	39	22	12	0	1316	
AT& T Mobility II LLC																	
Patents By Year of Grant:	0	0	0	0	0	0	8	69	74	84	132	192	281	269	205	1314	
Patents By Year of Application:	16	23	36	61	68	92	126	180	179	86	87	157	131	65	7	1314	
DAEWOO ELECTRONICS COMPANY, LTD.																	
Patents By Year of Grant:	1181	15	4	7	12	12	13	17	17	13	7	8	2	1	1	1310	
Patents By Year of Application:	1203	10	8	26	17	19	8	11	7	1	0	0	0	0	0	1310	
mitsubishi Chemical Corporation																	
Patents By Year of Grant:	609	54	55	48	32	57	47	40	33	34	45	45	60	71	76	1306	
Patents By Year of Application:	741	47	41	71	86	59	45	30	25	15	40	48	46	10	2	1306	
STATS CHIPPAK LTD.																	
Patents By Year of Grant:	0	0	0	0	3	3	17	33	52	147	218	236	247	194	156	1306	
Patents By Year of Application:	0	0	0	8	43	161	142	194	163	213	205	105	57	15	0	1306	

---- Organizational Patenting (Granted: Jan 01, 1991 - Dec 31, 2015) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
WARNER-LAMBERT COMPANY																
Patents By Year of Grant:	918	72	69	58	64	54	32	13	2	7	2	0	4	3	3	1301
Patents By Year of Application:	1079	84	61	40	15	10	3	0	0	1	2	0	3	3	0	1301
GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY, LLC																
Patents By Year of Grant:	30	173	171	188	154	140	78	88	69	61	34	27	33	27	27	1300
Patents By Year of Application:	422	270	198	99	45	55	54	52	26	27	26	15	10	1	0	1300
THALES																
Patents By Year of Grant:	0	0	13	28	39	59	65	72	76	90	103	187	226	179	162	1299
Patents By Year of Application:	40	92	94	78	86	98	122	136	144	163	108	83	40	14	1	1299
CHRYSLER MOTORS CORPORATION																
Patents By Year of Grant:	1277	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1283
Patents By Year of Application:	1283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1283
DAIMLER-BENZ AKTIENGESELLSCHAFT																
Patents By Year of Grant:	1279	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1282
Patents By Year of Application:	1282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1282
IDEMITSU KOSAN COMPANY LIMITED																
Patents By Year of Grant:	438	34	32	26	27	33	30	36	45	76	100	82	109	111	96	1275
Patents By Year of Application:	523	54	54	51	87	82	79	91	64	56	54	51	24	5	0	1275
SHIMADZU CORPORATION																
Patents By Year of Grant:	362	47	56	34	36	64	53	44	50	56	61	105	101	105	98	1272
Patents By Year of Application:	477	40	45	70	84	96	107	102	49	41	71	49	25	15	1	1272
CIRRUS LOGIC, INC.																
Patents By Year of Grant:	621	84	83	44	45	40	62	42	33	44	24	26	31	25	65	1269
Patents By Year of Application:	827	42	40	43	52	54	41	35	30	13	24	21	39	7	1	1269
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS																
Patents By Year of Grant:	232	34	44	35	45	53	48	44	63	84	94	93	117	122	158	1266
Patents By Year of Application:	373	87	95	85	77	78	69	81	105	106	66	37	5	2	0	1266
SPRINT SPECTRUM L.P.																
Patents By Year of Grant:	1	0	9	13	28	78	75	69	73	93	142	170	161	162	192	1266
Patents By Year of Application:	70	83	85	107	93	78	98	96	122	117	85	107	104	20	1	1266
UNIVERSITY OF PENNSYLVANIA																
Patents By Year of Grant:	451	45	29	32	43	47	39	45	38	77	59	78	87	101	93	1264
Patents By Year of Application:	595	62	70	52	64	63	63	66	66	56	47	28	19	12	1	1264

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
GENERAL HOSPITAL CORPORATION																	
Patents By Year of Grant:	434	49	67	40	41	49	41	50	43	62	79	82	66	79	78	1260	
Patents By Year of Application:	654	40	53	60	47	49	69	57	62	61	36	47	23	2	0	1260	
MARVELL WORLD TRADE LTD.																	
Patents By Year of Grant:	0	0	0	0	6	9	24	35	47	86	100	124	189	316	321	1257	
Patents By Year of Application:	0	3	18	26	36	87	95	107	95	106	141	239	194	103	7	1257	
AKZO NOBEL NV																	
Patents By Year of Grant:	636	94	107	72	56	47	32	19	17	33	32	33	33	30	11	1252	
Patents By Year of Application:	900	98	57	36	30	26	32	23	20	10	7	8	5	0	0	1252	
SANDISK CORPORATION																	
Patents By Year of Grant:	96	23	34	38	63	83	135	211	239	181	122	5	11	5	3	1249	
Patents By Year of Application:	183	66	75	98	182	278	193	91	49	17	6	4	5	2	0	1249	
CREE, INC.																	
Patents By Year of Grant:	22	10	20	28	34	46	42	66	63	94	119	113	178	214	198	1247	
Patents By Year of Application:	70	34	58	78	85	99	136	74	107	118	159	111	95	23	0	1247	
IMPERIAL CHEMICAL INDUSTRIES PLC																	
Patents By Year of Grant:	1136	25	17	15	15	9	3	2	4	2	1	4	1	0	0	1234	
Patents By Year of Application:	1189	25	4	6	6	3	0	0	1	0	0	0	0	0	0	1234	
ITT MANUFACTURING ENTERPRISES, INC.																	
Patents By Year of Grant:	409	83	72	83	86	93	83	53	70	91	64	35	6	3	2	1233	
Patents By Year of Application:	621	102	95	60	108	73	81	49	26	9	8	1	0	0	0	1233	
Motorola-Mobility, Inc.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	53	249	323	310	285	11	1231	
Patents By Year of Application:	7	14	20	27	48	143	219	220	196	118	114	93	12	0	0	1231	
AMERICAN CYANAMID COMPANY																	
Patents By Year of Grant:	1184	31	10	3	1	0	0	0	0	0	0	1	0	0	0	1230	
Patents By Year of Application:	1229	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1230	
ASTRAZENECA AB																	
Patents By Year of Grant:	48	77	82	84	90	105	100	100	87	117	109	92	58	42	39	1230	
Patents By Year of Application:	317	178	155	94	73	81	77	60	55	55	31	24	19	9	2	1230	
NINTENDO CO., LTD.																	
Patents By Year of Grant:	119	37	33	29	23	35	22	31	47	90	91	137	151	203	175	1223	
Patents By Year of Application:	246	25	34	58	82	140	68	78	109	76	143	93	57	13	1	1223	

---- Organizational Patenting (Granted: Jan 01, 1991 - Dec 31, 2015) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
PPG INDUSTRIES OHIO INC.																
Patents By Year of Grant:	270	66	79	67	55	59	51	79	50	87	75	71	63	84	66	1222
Patents By Year of Application:	451	79	96	84	72	88	73	70	44	47	42	45	20	10	1	1222
KYOCERA Document Solutions Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	46	124	371	678	1219
Patents By Year of Application:	0	0	0	0	1	5	8	16	49	58	130	192	378	344	38	1219
Invention Science Fund I, LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	93	180	298	252	228	166	1217
Patents By Year of Application:	0	0	0	14	86	160	172	252	251	165	55	36	20	5	1	1217
ALSTOM TECHNOLOGY LTD																
Patents By Year of Grant:	0	0	0	67	55	94	67	65	86	93	100	101	130	179	179	1216
Patents By Year of Application:	26	70	72	128	73	102	88	107	141	131	133	86	44	14	1	1216
DEGUSSA AKTIENGESELLSCHAFT																
Patents By Year of Grant:	555	86	102	117	86	90	65	48	43	21	1	0	0	1	0	1215
Patents By Year of Application:	832	136	110	67	45	19	2	3	1	0	0	0	0	0	0	1215
MITSUI CHEMICALS, INCORPORATED																
Patents By Year of Grant:	355	104	66	72	62	41	42	30	35	54	58	75	76	64	81	1215
Patents By Year of Application:	573	96	70	57	58	62	60	57	45	49	37	34	13	4	0	1215
Samsung Mobile Display Co., Ltd.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	196	335	418	253	2	0	2	1206
Patents By Year of Application:	0	2	7	77	214	298	200	170	159	56	22	1	0	0	0	1206
UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE																
Patents By Year of Grant:	595	43	63	38	28	37	26	31	24	39	53	53	52	67	51	1200
Patents By Year of Application:	729	47	42	32	34	30	42	46	44	44	45	42	18	5	0	1200
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY																
Patents By Year of Grant:	27	53	96	92	46	48	53	56	67	100	94	96	134	135	102	1199
Patents By Year of Application:	225	81	77	64	93	79	101	90	83	80	105	75	39	7	0	1199
EXXON CHEMICALS PATENTS INC.																
Patents By Year of Grant:	1185	5	5	2	0	0	1	0	0	0	0	0	0	0	0	1198
Patents By Year of Application:	1198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1198
FINISAR CORPORATION																
Patents By Year of Grant:	9	6	23	46	112	130	142	144	127	135	84	81	39	60	56	1194
Patents By Year of Application:	91	124	193	171	163	67	100	128	25	34	22	43	24	8	1	1194

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
WEATHERFORD/LAMB, INC.																	
Patents By Year of Grant:	109	60	73	105	96	154	97	78	52	82	74	58	56	77	19	1190	
Patents By Year of Application:	305	131	156	111	84	74	68	51	57	57	47	27	17	5	0	1190	
HITACHI DISPLAYS, LTD.																	
Patents By Year of Grant:	0	0	0	2	13	50	69	91	98	179	232	244	198	10	0	1186	
Patents By Year of Application:	1	2	64	101	95	129	175	204	164	112	94	41	4	0	0	1186	
UNI-CHARM CORPORATION																	
Patents By Year of Grant:	202	80	105	71	32	57	66	42	44	72	51	75	78	72	128	1175	
Patents By Year of Application:	456	69	46	71	84	53	73	65	70	84	73	17	13	1	0	1175	
BATTELLE MEMORIAL INSTITUTE																	
Patents By Year of Grant:	329	43	71	72	61	68	42	39	50	60	68	62	62	79	66	1172	
Patents By Year of Application:	514	81	88	50	55	64	44	43	66	43	42	43	26	12	1	1172	
RED HAT, INC.																	
Patents By Year of Grant:	0	0	0	1	3	4	1	9	19	77	104	172	235	292	254	1171	
Patents By Year of Application:	10	0	7	7	32	105	218	211	195	184	90	59	41	12	0	1171	
PALO ALTO RESEARCH CENTER INCORPORATED																	
Patents By Year of Grant:	0	0	1	2	15	53	63	77	79	160	143	157	146	140	126	1162	
Patents By Year of Application:	2	32	83	120	98	107	113	120	129	118	87	87	49	17	0	1162	
BAYERISCHE MOTOREN WERKE AG																	
Patents By Year of Grant:	259	64	54	52	44	45	49	73	66	72	62	57	84	83	94	1158	
Patents By Year of Application:	427	48	28	39	49	101	103	49	80	45	51	65	49	24	0	1158	
INTERNATIONAL RECTIFIER CORPORATION																	
Patents By Year of Grant:	199	42	51	60	74	61	77	90	90	53	77	61	76	76	71	1158	
Patents By Year of Application:	296	66	93	83	115	111	108	88	26	20	65	26	44	17	0	1158	
CORNELL RESEARCH FOUNDATION INC.																	
Patents By Year of Grant:	531	35	59	40	41	61	54	50	52	74	51	33	33	18	21	1153	
Patents By Year of Application:	698	65	49	51	70	75	49	28	21	18	9	8	8	4	0	1153	
WYETH																	
Patents By Year of Grant:	0	53	84	84	56	106	119	137	153	146	58	47	43	35	25	1146	
Patents By Year of Application:	144	147	141	131	125	149	119	47	49	25	20	26	17	5	1	1146	
EMERSON ELECTRIC CO.																	
Patents By Year of Grant:	548	59	50	72	39	61	37	42	44	48	24	21	32	32	34	1143	
Patents By Year of Application:	674	80	55	55	51	45	29	35	21	26	25	29	11	6	1	1143	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
FRANCE TELECOM																
Patents By Year of Grant:	379	24	29	37	20	31	44	44	51	83	74	93	119	64	51	1143
Patents By Year of Application:	521	60	50	84	74	87	95	58	42	41	23	6	2	0	0	1143
PRAXAIR TECHNOLOGY, INC.																
Patents By Year of Grant:	530	72	72	40	27	35	43	35	35	44	38	47	49	31	40	1138
Patents By Year of Application:	656	68	53	39	46	50	41	43	35	26	29	24	20	8	0	1138
Schaeffler Technologies AG & Co. KG																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	23	98	221	270	274	249	1135
Patents By Year of Application:	0	1	2	1	15	42	103	163	150	172	200	147	106	33	0	1135
Alcatel-Lucent USA Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	29	413	459	227	4	0	0	0	1132
Patents By Year of Application:	39	43	139	207	253	230	125	54	30	12	0	0	0	0	0	1132
NetApp, Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	15	75	147	195	177	165	194	162	1130
Patents By Year of Application:	9	28	26	47	89	103	120	183	128	117	92	67	78	41	2	1130
HILTI AKTIENGESELLSCHAFT																
Patents By Year of Grant:	332	59	86	75	65	77	45	47	42	50	55	38	46	56	53	1126
Patents By Year of Application:	475	92	83	77	53	53	58	65	43	29	47	41	7	2	1	1126
EXXON RESEARCH + ENGINEERING CO.																
Patents By Year of Grant:	1115	8	1	1	0	0	0	0	0	0	0	0	0	0	0	1125
Patents By Year of Application:	1125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1125
TSINGHUA UNIVERSITY																
Patents By Year of Grant:	7	4	2	3	7	21	22	36	54	104	104	149	193	230	184	1120
Patents By Year of Application:	18	7	26	21	49	83	82	120	136	157	152	166	77	25	1	1120
MITSUBISHI GAS-CHEMICAL COMPANY, INC.																
Patents By Year of Grant:	524	48	46	38	27	45	40	30	28	25	37	43	45	60	82	1118
Patents By Year of Application:	625	57	45	57	39	36	61	31	32	42	45	31	13	4	0	1118
JTEKT Corporation																
Patents By Year of Grant:	0	0	0	0	0	3	39	60	93	120	125	150	158	194	175	1117
Patents By Year of Application:	0	4	21	48	92	98	149	149	124	78	92	103	114	42	3	1117
UNIVERSITY OF ILLINOIS																
Patents By Year of Grant:	200	31	39	58	34	51	45	47	65	85	90	85	96	92	95	1113
Patents By Year of Application:	325	59	63	62	68	62	90	84	77	64	63	44	38	14	0	1113

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
DANA CORPORATION																	
Patents By Year of Grant:	730	77	70	86	56	48	33	12	0	0	0	0	0	0	0	1112	
Patents By Year of Application:	912	77	76	22	23	2	0	0	0	0	0	0	0	0	0	1112	
OTIS ELEVATOR COMPANY																	
Patents By Year of Grant:	651	68	32	22	13	19	16	24	35	36	34	47	35	42	36	1110	
Patents By Year of Application:	773	31	58	51	46	33	28	35	32	14	3	5	1	0	0	1110	
KYOCERA MITA CORPORATION																	
Patents By Year of Grant:	46	25	17	20	9	28	34	102	149	185	165	145	120	49	11	1105	
Patents By Year of Application:	95	20	27	29	105	166	170	173	138	86	79	15	1	1	0	1105	
REALTEK SEMICONDUCTOR CORPORATION																	
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	
ATMEL CORPORATION																	
Patents By Year of Grant:	125	14	17	33	25	45	82	78	72	91	81	94	104	111	128	1100	
Patents By Year of Application:	155	24	47	58	110	149	88	67	96	62	88	95	47	14	0	1100	
TYCO HEALTHCARE GROUP LP																	
Patents By Year of Grant:	3	7	7	10	13	19	40	45	69	148	285	447	5	0	0	1098	
Patents By Year of Application:	39	28	62	38	77	107	142	156	216	143	84	6	0	0	0	1098	
WINBOND ELECTRONICS CORP.																	
Patents By Year of Grant:	478	122	79	99	63	63	47	26	14	9	14	10	12	19	43	1098	
Patents By Year of Application:	717	114	64	47	29	17	15	7	10	7	18	15	20	17	1	1098	
NORTHERN TELECOM LIMITED																	
Patents By Year of Grant:	1079	11	2	1	0	0	0	0	0	0	0	0	0	0	0	1093	
Patents By Year of Application:	1093	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1093	
W. R. GRACE & CO.-CONN.																	
Patents By Year of Grant:	862	28	23	23	24	16	10	8	7	10	18	18	11	19	13	1090	
Patents By Year of Application:	922	31	27	16	12	12	8	9	10	11	20	4	7	1	0	1090	
VLSI TECHNOLOGY, INC.																	
Patents By Year of Grant:	1062	27	0	0	0	0	0	0	0	0	0	0	0	0	0	1089	
Patents By Year of Application:	1089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1089	
HITACHI METALS LTD.																	
Patents By Year of Grant:	395	29	25	24	24	23	17	23	38	53	61	71	41	132	130	1086	
Patents By Year of Application:	464	31	24	40	48	49	78	52	55	57	60	54	61	13	0	1086	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
TOSHIBA TEC KABUSHIKI KAISHA																
Patents By Year of Grant:	131	130	92	37	22	45	50	52	40	64	68	57	99	97	101	1085
Patents By Year of Application:	378	45	36	51	45	63	60	34	42	84	85	72	51	39	0	1085
KAWASAKI JUKOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	214	40	46	49	61	63	42	52	40	63	38	68	88	108	112	1084
Patents By Year of Application:	292	63	86	55	60	83	49	51	74	101	92	50	25	3	0	1084
AMGEN, INC.																
Patents By Year of Grant:	237	26	27	22	37	59	47	58	67	99	106	81	85	77	54	1082
Patents By Year of Application:	366	45	50	52	73	70	72	92	56	55	68	48	20	15	0	1082
SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC																
Patents By Year of Grant:	28	52	28	37	27	40	39	37	62	76	100	127	89	159	180	1081
Patents By Year of Application:	109	39	46	49	69	77	80	112	78	107	101	111	69	34	0	1081
SHINKO ELECTRIC INDUSTRIES CO., LTD.																
Patents By Year of Grant:	133	38	44	39	30	47	57	54	61	111	104	105	91	79	87	1080
Patents By Year of Application:	222	41	47	59	79	83	83	102	81	92	56	60	56	16	3	1080
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK																
Patents By Year of Grant:	424	54	34	37	24	42	29	39	57	61	43	46	60	65	62	1077
Patents By Year of Application:	561	44	48	46	43	58	52	43	42	38	47	28	16	9	2	1077
KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY																
Patents By Year of Grant:	301	49	41	58	33	48	37	24	34	44	47	69	65	114	105	1069
Patents By Year of Application:	412	75	42	47	34	53	42	52	67	62	59	58	55	11	0	1069
TOKAI RIKI DENKI SEISAKUSHO K.K.																
Patents By Year of Grant:	378	50	69	57	39	54	47	31	45	47	37	37	51	51	75	1068
Patents By Year of Application:	508	64	62	47	50	46	45	39	33	27	62	43	37	5	0	1068
SONY COMPUTER ENTERTAINMENT INC.																
Patents By Year of Grant:	32	52	65	79	51	62	50	50	66	116	131	151	61	61	40	1067
Patents By Year of Application:	287	73	36	66	127	131	98	42	70	62	37	25	7	6	0	1067
UNIVERSITY OF WASHINGTON																
Patents By Year of Grant:	318	41	36	31	32	37	39	42	51	74	45	70	84	74	93	1067
Patents By Year of Application:	448	28	38	61	66	43	64	56	69	53	55	46	27	13	0	1067
ARM LIMITED																
Patents By Year of Grant:	90	15	13	16	24	59	60	66	61	101	105	96	123	101	134	1064
Patents By Year of Application:	154	35	70	80	79	79	69	84	85	91	110	69	49	10	0	1064

---- Organizational Patenting (Granted: Jan 01, 1991 - Dec 31, 2015) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
MINEBEA KABUSHIKI-KAISHA (MINEBEA CO., LTD)																	
Patents By Year of Grant:	184	61	81	96	110	128	75	40	40	44	27	36	34	44	63	1063	
Patents By Year of Application:	338	109	152	108	78	37	31	43	21	25	34	57	27	3	0	1063	
DAINIPPON SCREEN MFG. CO., LTD.																	
Patents By Year of Grant:	466	17	18	51	50	64	44	67	48	44	52	33	28	62	9	1053	
Patents By Year of Application:	508	71	92	70	58	54	50	39	29	13	23	30	12	4	0	1053	
WISTRON CORPORATION																	
Patents By Year of Grant:	0	0	12	21	20	11	13	13	18	24	55	85	123	288	369	1052	
Patents By Year of Application:	8	30	23	12	12	12	25	52	90	90	117	292	210	78	1	1052	
TAKATA CORPORATION																	
Patents By Year of Grant:	333	57	50	58	40	55	65	85	72	78	50	19	26	39	24	1051	
Patents By Year of Application:	457	61	74	72	67	113	47	48	27	22	24	28	9	1	1	1051	
GEORGIA TECH RESEARCH CORP.																	
Patents By Year of Grant:	241	36	43	37	42	54	50	42	41	67	69	80	98	78	72	1050	
Patents By Year of Application:	352	43	72	38	63	88	68	55	59	72	69	46	20	5	0	1050	
IBIDEN CO., LTD.																	
Patents By Year of Grant:	101	23	25	24	34	16	14	49	59	108	137	141	120	110	88	1049	
Patents By Year of Application:	182	37	31	29	53	94	88	127	113	91	103	60	26	15	0	1049	
SPANSION LLC																	
Patents By Year of Grant:	0	0	0	3	3	56	113	90	83	144	154	113	117	141	32	1049	
Patents By Year of Application:	3	8	17	83	159	175	148	163	56	80	73	50	29	5	0	1049	
AVERY DENNISON CORPORATION																	
Patents By Year of Grant:	409	57	69	55	44	36	43	30	40	45	48	49	33	41	49	1048	
Patents By Year of Application:	578	62	43	53	56	39	50	39	33	33	42	11	8	1	0	1048	
NIPPON SHOKUBAI CO., LTD.																	
Patents By Year of Grant:	366	98	88	65	43	45	48	44	28	42	28	24	42	45	40	1046	
Patents By Year of Application:	593	83	66	60	37	44	38	28	30	41	17	4	4	1	0	1046	
SanDisk Technologies Inc.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	76	175	186	251	356	1044	
Patents By Year of Application:	0	1	2	5	21	23	56	58	96	107	176	174	201	117	7	1044	
BOSCH SIEMENS HAUSGERATE GMBH																	
Patents By Year of Grant:	96	22	28	36	44	56	59	41	36	69	85	97	142	116	114	1041	
Patents By Year of Application:	135	55	105	170	94	115	78	91	87	43	38	20	7	3	0	1041	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
THE YOKOHAMA RUBBER CO., LTD.																
Patents By Year of Grant:	298	33	47	31	33	36	34	39	45	69	62	77	69	84	84	1041
Patents By Year of Application:	392	45	58	69	56	44	77	50	71	46	78	41	12	1	1	1041
LG SEMICON CO., LTD.																
Patents By Year of Grant:	994	30	8	4	2	0	1	0	1	0	0	0	0	0	0	1040
Patents By Year of Application:	1034	3	1	1	0	1	0	0	0	0	0	0	0	0	0	1040
ROCKWELL INTERNATIONAL CORPORATION																
Patents By Year of Grant:	1034	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1036
Patents By Year of Application:	1036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1036
ROCHE DIAGNOSTICS OPERATIONS, INC.																
Patents By Year of Grant:	0	0	0	8	19	23	47	39	68	112	127	145	170	183	94	1035
Patents By Year of Application:	30	33	52	71	64	81	99	124	123	114	101	85	46	10	2	1035
SHENZHEN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	3	103	431	496	1033
Patents By Year of Application:	0	0	0	0	0	1	0	0	1	41	331	502	129	27	1	1033
FAIRCHILD SEMICONDUCTOR CORPORATION																
Patents By Year of Grant:	60	54	45	62	47	47	22	42	73	106	108	105	87	99	74	1031
Patents By Year of Application:	181	55	60	40	44	58	71	124	85	90	103	69	48	3	0	1031
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	4	20	60	196	344	405	1029
Patents By Year of Application:	0	0	0	0	5	10	8	51	151	266	244	165	87	42	0	1029
TAKEDA CHEMICAL INDUSTRIES LTD.																
Patents By Year of Grant:	846	64	46	39	18	10	2	3	1	0	0	0	0	0	0	1029
Patents By Year of Application:	971	45	9	2	1	1	0	0	0	0	0	0	0	0	0	1029
ISIS PHARMACEUTICALS, INC.																
Patents By Year of Grant:	425	110	65	57	45	27	29	19	17	38	30	44	34	43	45	1028
Patents By Year of Application:	669	69	31	39	21	21	29	25	22	24	28	26	13	10	1	1028
MONSANTO COMPANY, INC.																
Patents By Year of Grant:	991	10	11	6	4	2	0	1	0	0	2	1	0	0	0	1028
Patents By Year of Application:	1019	5	1	0	0	0	0	0	2	1	0	0	0	0	0	1028
TRIMBLE NAVIGATION, LTD.																
Patents By Year of Grant:	411	47	41	34	21	27	40	23	42	34	47	51	67	62	76	1023
Patents By Year of Application:	524	20	41	35	40	44	47	53	43	38	53	43	35	7	0	1023

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
OSRAM SYLVANIA INC.																	
Patents By Year of Grant:	321	31	44	57	41	68	67	46	38	52	54	39	59	52	53	1022	
Patents By Year of Application:	407	53	42	76	82	55	51	50	31	43	55	40	31	6	0	1022	
Toyota Motor Engineering & Manufacturing North America, Inc.																	
Patents By Year of Grant:	0	0	0	0	1	5	7	32	60	94	106	165	181	198	173	1022	
Patents By Year of Application:	0	1	8	4	21	71	99	119	155	152	121	168	74	29	0	1022	
BANK OF AMERICA CORPORATION																	
Patents By Year of Grant:	1	2	0	1	1	2	7	2	15	26	73	165	262	232	231	1020	
Patents By Year of Application:	9	6	12	22	18	28	66	138	126	166	144	176	78	27	4	1020	
EBAY INC.																	
Patents By Year of Grant:	1	2	2	3	2	9	6	19	23	81	110	139	205	236	178	1016	
Patents By Year of Application:	54	17	27	47	29	69	94	81	86	120	132	157	71	26	6	1016	
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC.																	
Patents By Year of Grant:	6	52	43	72	57	56	76	40	63	52	100	89	86	111	111	1014	
Patents By Year of Application:	111	93	85	71	75	60	32	80	106	50	81	105	48	12	5	1014	
HARVARD COLLEGE, PRESIDENT AND FELLOWS																	
Patents By Year of Grant:	280	48	40	41	26	34	43	43	34	47	56	52	69	83	106	1002	
Patents By Year of Application:	438	46	37	42	39	58	41	58	64	51	55	31	28	14	0	1002	
BELLSOUTH INTELLECTUAL PROPERTY CORPORATION																	
Patents By Year of Grant:	54	50	87	185	190	309	118	3	1	1	2	0	0	0	0	1000	
Patents By Year of Application:	539	235	136	67	16	7	0	0	0	0	0	0	0	0	0	1000	
Other Organizations (238831)																	
Patents By Year of Grant:	616271	74913	74559	70925	62081	74070	66941	66499	70200	95131	98519	114012	127318	140164	143762	1895365	
Patents By Year of Application:	824055	94789	90266	86283	85706	90003	93911	92641	90604	93866	92447	81349	55600	21643	2202	1895365	