

ALL PATENTS, ALL TYPES REPORT

JANUARY 1, 1991 -- DECEMBER 31, 2015



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

ALL PATENTS, ALL TYPES REPORT 1/1/1991 - 12/31/2015 Explanation of Data

This Patent Technology Monitoring Team (PTMT) report profiles patent activity for all U.S. patent documents (design, plant, reissue, and utility patents, defensive publications, and statutory invention registrations) granted between **January 1, 1991** and **December 31, 2015**. Most of these patents are utility patents, also known as "patents for inventions". 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 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 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. 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

	NUMBER OF PATENTS															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total	1490330	184424	187048	181319	157741	196437	182928	185244	191933	244358	247728	276796	302962	326038	325979	4681265
U.S. Origin	826450	97125	98590	94128	82586	102267	93690	92001	95038	121178	121257	134194	147666	158713	155982	2420865
Foreign Origin	663880	87299	88458	87191	75155	94170	89238	93243	96895	123180	126471	142602	155296	167325	169997	2260400
JAPAN	296057	36339	37248	37030	31833	39411	35941	36679	38066	46977	48256	52773	54170	56005	54422	901207
GERMANY	93250	11957	12140	11367	9575	10889	10012	10085	10352	13633	12967	15041	16605	17595	17752	273220
KOREA, SOUTH	21921	4009	4132	4671	4590	6509	7264	8730	9566	12508	13239	14168	15745	18161	20201	165414
TAIWAN	33471	6730	6676	7209	5995	7920	7491	7781	7781	9636	9907	11624	12118	12255	12575	159169
FRANCE	38616	4421	4126	3686	3106	3856	3720	3813	3805	5100	5023	5857	6555	7103	7026	105813
CANADA	32237	3857	3894	3781	3177	4094	3970	4125	4393	5513	5756	6459	7272	7692	7492	103712
UNITED KINGDOM	34951	4187	4024	3891	3551	4321	4027	3832	4004	5028	4908	5874	6551	7158	7167	103474
ITALY	17144	1962	2022	1946	1591	1899	1836	1916	1837	2254	2333	2546	2930	3033	3090	48339
CHINA, PEOPLE'S REPUB	971	390	424	596	565	968	1226	1851	2262	3301	3786	5335	6597	7921	9004	45197
NETHERLANDS	12348	1681	1570	1537	1200	1647	1596	1725	1558	1920	2048	2193	2571	2842	2788	39224
SWITZERLAND	14521	1532	1433	1405	1106	1388	1280	1403	1454	1889	1865	2039	2466	2601	2841	39223
SWEDEN	12514	1824	1629	1388	1189	1360	1278	1260	1231	1594	1863	2264	2431	2946	2862	37633
ISRAEL	6430	1108	1260	1092	976	1325	1219	1312	1525	1917	2108	2598	3152	3618	3804	33444
AUSTRALIA	7338	992	1049	1093	1032	1538	1545	1613	1550	2079	2215	1786	1924	2019	1917	29690
FINLAND	5426	856	944	954	751	1005	943	908	997	1232	1023	1138	1297	1465	1485	20424
BELGIUM	6027	801	727	678	577	720	624	605	707	896	958	1004	1148	1305	1225	18002
INDIA	748	267	356	376	403	506	578	672	720	1137	1259	1734	2474	3044	3415	17689
AUSTRIA	4668	559	639	575	492	626	554	575	767	905	927	987	1136	1281	1262	15953
DENMARK	4367	559	611	530	473	546	511	566	537	766	840	978	1109	1263	1190	14846
CHINA, HONG KONG S.A.	3482	589	681	642	596	755	765	738	595	718	658	745	756	818	793	13331
SINGAPORE	1255	421	460	485	377	469	451	450	493	633	696	841	857	1010	1048	9946
SPAIN	2469	358	358	312	318	381	363	418	403	492	565	728	772	857	912	9706
NORWAY	1968	261	279	255	242	272	286	297	292	448	412	474	520	601	687	7294
RUSSIAN FEDERATION	1173	203	203	173	154	176	193	181	204	287	307	339	432	447	483	4955
IRELAND	907	142	182	197	169	198	161	188	189	275	319	357	460	490	515	4749
NEW ZEALAND	1037	173	165	192	143	173	165	169	198	232	255	293	299	320	352	4166
BRAZIL	859	112	180	161	98	148	118	133	148	219	254	256	286	362	381	3715
SOUTH AFRICA	1300	123	131	115	108	127	116	124	139	142	144	158	181	181	199	3288
MALAYSIA	292	62	63	93	98	131	173	168	181	224	181	219	230	271	267	2653
MEXICO	695	105	93	102	95	88	90	77	80	115	117	153	204	222	203	2439
HUNGARY	594	48	72	52	48	49	55	72	48	98	111	113	141	170	158	1829
SAUDI ARABIA	122	10	19	15	18	20	20	31	23	58	61	173	239	294	364	1467
CZECH REPUBLIC	144	31	44	32	28	37	41	56	50	81	97	133	176	203	206	1359
ARGENTINA	419	58	70	50	29	47	53	42	50	59	51	67	80	81	72	1228
LUXEMBOURG	450	52	53	55	49	49	66	35	56	44	47	49	62	57	62	1186
POLAND	133	13	19	19	25	31	39	68	43	56	81	96	113	184	223	1143
Others (145)	3576	507	482	436	378	491	468	545	591	714	834	1010	1237	1450	1554	14273
Ownership:																
U.S. Corporations	648867	81109	82805	80000	70942	88182	81130	80981	84195	107344	108951	121377	135074	146859	144504	2062320
U.S. Government	12047	946	891	859	713	815	739	693	710	937	928	1003	1060	1034	1007	24382
U.S. Individuals	195514	17497	16900	15181	12785	15253	13771	13068	12703	16059	14873	16126	17362	17847	17868	412807
Foreign Corporations	562798	76855	78686	78571	67952	85844	81535	85164	89192	113766	117209	131785	142540	153223	155579	2020699
Foreign Government	3104	115	89	81	58	60	76	37	109	188	174	256	204	324	364	5239
Foreign Individuals	68000	7902	7677	6627	5291	6283	5677	5301	5024	6064	5593	6249	6722	6751	6657	155818

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

	PERCENT OF PATENTS															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	55	53	53	52	52	52	51	50	50	50	49	48	49	49	48	52
Foreign Origin	45	47	47	48	48	48	49	50	50	50	51	52	51	51	52	48
JAPAN	20	20	20	20	20	20	20	20	20	19	19	19	18	17	17	19
GERMANY	6	6	6	6	6	6	5	5	5	6	5	5	5	5	5	6
KOREA, SOUTH	1	2	2	3	3	3	4	5	5	5	5	5	5	6	6	4
TAIWAN	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
FRANCE	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
CANADA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
UNITED KINGDOM	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
ITALY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CHINA, PEOPLE'S REPUB							1	1	1	1	2	2	2	2	3	1
NETHERLANDS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SWITZERLAND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SWEDEN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ISRAEL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AUSTRALIA		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FINLAND			1	1		1	1		1	1						0
BELGIUM																0
INDIA											1	1	1	1	1	0
AUSTRIA																0
DENMARK																0
CHINA, HONG KONG S.A.																0
SINGAPORE																0
SPAIN																0
NORWAY																0
RUSSIAN FEDERATION																0
IRELAND																0
NEW ZEALAND																0
BRAZIL																0
SOUTH AFRICA																0
MALAYSIA																0
MEXICO																0
HUNGARY																0
SAUDI ARABIA																0
CZECH REPUBLIC																0
ARGENTINA																0
LUXEMBOURG																0
POLAND																0
Others (145)																0
Ownership:																
U.S. Corporations	44	44	44	44	45	45	44	44	44	44	44	44	45	45	44	44
U.S. Government	1	1														1
U.S. Individuals	13	9	9	8	8	8	8	7	7	7	6	6	6	5	5	9
Foreign Corporations	38	42	42	43	43	44	45	46	46	47	47	48	47	47	48	43
Foreign Government																0
Foreign Individuals	5	4	4	4	3	3	3	3	3	2	2	2	2	2	2	3

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	1983895	230227	225097	222011	224980	228840	235567	234589	222135	228213	226698	207923	146435	59626	5029	4681265
U.S. Origin	1088267	117217	115273	111424	111104	110265	114589	109924	103480	108350	110005	107629	78316	32070	2952	2420865
Foreign Origin	895628	113010	109824	110587	113876	118575	120978	124665	118655	119863	116693	100294	68119	27556	2077	2260400
JAPAN	394916	43847	43451	43644	46213	45594	45398	45958	42816	41061	40994	34349	22164	9987	815	901207
GERMANY	124546	16168	14160	13244	13018	13067	13481	13590	12368	12130	11383	8817	5258	1871	119	273220
KOREA, SOUTH	32706	6286	7520	9264	10599	12593	12592	12434	12054	12553	12693	11173	9173	3484	290	165414
TAIWAN	44758	8337	8654	8853	8454	9054	9284	9792	10148	10810	10387	9684	7843	2949	162	159169
FRANCE	50489	5424	5008	4533	4702	4942	5125	5361	5184	5087	4212	3228	1832	648	38	105813
CANADA	42740	4889	4728	4831	4790	5106	5237	5176	5034	5535	5504	5378	3426	1263	75	103712
UNITED KINGDOM	47751	5804	5240	4672	4502	4453	4965	5182	4571	4757	4315	3832	2411	955	64	103474
ITALY	21902	2581	2551	2344	2327	2347	2298	2288	2193	2163	2029	1693	1131	463	29	48339
CHINA, PEOPLE'S REPUB	1923	795	961	1468	1828	2751	3242	4207	4940	6071	6210	5616	3606	1475	104	45197
NETHERLANDS	16797	2149	2132	2337	1962	2019	1921	1932	1917	1873	1613	1380	832	346	14	39224
SWITZERLAND	18435	1937	1755	1625	1663	1847	1878	1906	1807	1855	1681	1477	912	404	41	39223
SWEDEN	17519	2023	1702	1523	1622	1943	1953	2009	1761	1629	1562	1230	771	362	24	37633
ISRAEL	10411	1644	1416	1497	1768	1932	2053	2127	2066	2027	2238	2142	1523	540	60	33444
AUSTRALIA	10568	1664	1587	2024	1795	1613	1816	2004	1653	1495	1322	1062	793	271	23	29690
FINLAND	8848	1391	1179	1164	1019	1060	921	1051	870	842	826	664	435	147	7	20424
BELGIUM	8111	959	934	782	863	930	847	864	871	856	843	563	398	167	14	18002
INDIA	1653	706	826	803	846	1019	1248	1589	1513	1833	1956	1992	1256	416	33	17689
AUSTRIA	6131	914	766	725	704	796	904	1033	872	904	871	694	451	179	9	15953
DENMARK	6069	782	728	677	668	727	732	809	924	717	738	659	457	142	17	14846
CHINA, HONG KONG S.A.	4531	767	809	847	786	690	796	688	726	768	638	587	495	195	8	13331
SINGAPORE	2420	608	526	624	597	679	658	683	602	702	647	582	410	186	22	9946
SPAIN	3373	484	493	450	556	541	570	579	546	688	591	411	300	117	7	9706
NORWAY	2782	461	380	365	386	409	385	440	381	407	351	297	176	72	2	7294
RUSSIAN FEDERATION	1774	248	256	202	224	280	254	295	285	259	307	287	186	86	12	4955
IRELAND	1426	286	220	221	280	248	296	324	301	318	283	276	205	62	3	4749
NEW ZEALAND	1539	240	274	209	195	208	226	248	235	226	207	149	148	56	6	4166
BRAZIL	1166	225	211	198	147	176	222	255	253	250	249	202	114	45	2	3715
SOUTH AFRICA	1654	179	150	164	131	150	155	142	138	130	116	91	69	17	2	3288
MALAYSIA	463	99	171	208	183	197	210	214	185	214	163	155	126	59	6	2653
MEXICO	952	101	130	99	111	126	94	142	90	133	160	142	106	51	2	2439
HUNGARY	768	106	73	69	97	68	102	98	99	101	107	64	57	18	2	1829
SAUDI ARABIA	153	35	26	33	26	44	42	84	99	213	207	216	165	99	25	1467
CZECH REPUBLIC	244	42	52	55	54	81	81	116	139	126	117	140	79	31	2	1359
ARGENTINA	572	56	50	61	47	61	61	76	50	55	57	40	37	5		1228
LUXEMBOURG	564	77	62	61	53	64	46	57	41	44	47	36	24	9	1	1186
POLAND	189	58	48	38	53	59	63	72	80	101	145	110	75	51	1	1143
Others (145)	4785	638	595	673	607	701	822	840	843	930	924	876	675	328	36	14273
Ownership:																
U.S. Corporations	878810	100928	99749	96976	98166	98565	102654	100825	92830	97332	99350	97806	68916	26901	2512	2062320
U.S. Government	14500	1017	944	885	884	769	791	752	840	802	806	696	500	173	23	24382
U.S. Individuals	230504	18375	17421	15962	14998	13957	14301	13446	13490	14260	14371	14002	11620	5613	487	412807
Foreign Corporations	772633	100936	99211	101462	104693	109531	111909	114063	109290	110132	106896	90726	61833	25471	1913	2020699
Foreign Government	3395	115	110	130	119	149	162	184	237	217	197	126	64	33	1	5239
Foreign Individuals	84053	8856	7662	6596	6120	5869	5750	5319	5448	5470	5078	4567	3502	1435	93	155818

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:	21060	3297	3438	3253	2950	3635	3134	4182	4888	5867	6151	6459	6791	7483	7310	89898
Patents By Year of Application:	33436	3628	4100	3939	4010	4146	6198	8681	3864	3764	3655	6232	3412	768	65	89898
SAMSUNG ELECTRONICS CO., LTD.																
Patents By Year of Grant:	8469	1340	1316	1617	1724	2719	3352	4276	4071	4920	5208	5438	5181	5793	6500	61924
Patents By Year of Application:	12324	2053	3050	3843	4427	5582	5621	4899	4036	3937	3859	3650	3309	1224	110	61924
CANON KABUSHIKI KAISHA																
Patents By Year of Grant:	16445	1951	2051	1843	1840	2387	2000	2126	2212	2566	2839	3181	3838	4066	4133	53478
Patents By Year of Application:	22875	1916	2234	2240	2758	2372	2604	2629	2807	2898	2792	2575	1955	765	58	53478
SONY CORPORATION																
Patents By Year of Grant:	11195	1605	1470	1470	1299	1945	1681	1701	1844	2233	2359	3132	3194	3286	2514	40928
Patents By Year of Application:	16599	1726	1810	1893	2487	2127	2284	2274	2222	2285	2107	1761	924	407	22	40928
TOSHIBA CORPORATION																
Patents By Year of Grant:	12026	1181	1254	1364	1277	1727	1587	1631	1719	2279	2509	2447	2403	2577	2626	38607
Patents By Year of Application:	15216	1580	1591	1840	1779	1972	2046	2070	2141	2016	2247	2010	1429	626	44	38607
HITACHI, LTD																
Patents By Year of Grant:	11161	1622	1907	1521	1275	1755	1407	1323	1061	1455	1466	1435	1100	904	656	30048
Patents By Year of Application:	15564	1905	1567	1750	1361	1376	1300	1506	1012	915	847	590	250	86	19	30048
MICROSOFT CORPORATION																
Patents By Year of Grant:	1930	511	519	662	787	1618	1966	2312	3158	3300	2491	2913	3068	3161	771	29167
Patents By Year of Application:	5005	1163	1816	3087	3780	2584	2346	2322	1561	1895	1787	1132	609	63	17	29167
FUJITSU LIMITED																
Patents By Year of Grant:	9110	1216	1306	1302	1159	1494	1300	1483	1197	1289	1390	1533	1807	1836	1472	28894
Patents By Year of Application:	13427	1401	1233	1441	1683	1312	1176	1152	1470	1316	1211	1146	713	201	12	28894
GENERAL ELECTRIC COMPANY																
Patents By Year of Grant:	9322	1423	1142	982	905	1055	918	922	980	1235	1470	1665	1760	1881	1812	27472
Patents By Year of Application:	12382	1168	1238	1158	1304	1302	1213	1390	1343	1524	1696	1226	402	123	3	27472
INTEL CORPORATION																
Patents By Year of Grant:	4637	1095	1600	1605	1552	1967	1869	1774	1537	1657	1244	1288	1461	1590	2071	26947
Patents By Year of Application:	9793	2057	2294	2001	1735	1564	1286	987	957	925	1004	1391	735	201	17	26947
NEC CORPORATION																
Patents By Year of Grant:	13103	1847	1200	829	675	738	605	532	522	658	595	808	908	970	782	24772
Patents By Year of Application:	17506	876	658	620	667	629	680	748	765	651	532	319	97	22	2	24772

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	Pre															
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.																
Patents By Year of Grant:	10179	1593	1903	2060	1802	2417	2068	1684	48	13	9	2	1	0	0	23779
Patents By Year of Application:	15480	2231	2277	1840	1093	612	231	12	1	2	0	0	0	0	0	23779
MICRON TECHNOLOGY, INC.																
Patents By Year of Grant:	5469	1837	1710	1760	1564	1616	1479	1259	971	919	947	914	1019	1068	963	23495
Patents By Year of Application:	9805	2031	1588	1642	1370	1446	810	719	616	788	905	791	673	293	18	23495
MITSUBISHI DENKI KABUSHIKI KAISHA																
Patents By Year of Grant:	11098	1399	1264	790	624	615	483	504	551	720	615	714	769	883	924	21953
Patents By Year of Application:	14141	1065	639	709	597	685	754	648	683	646	601	401	250	116	18	21953
SEIKO EPSON CORPORATION																
Patents By Year of Grant:	2832	648	797	858	896	1256	1239	1274	1385	1479	1559	1512	1533	1678	1633	20579
Patents By Year of Application:	4950	1055	1279	1549	1413	1426	1321	1312	1203	1150	1347	1127	856	542	49	20579
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.																
Patents By Year of Grant:	0	0	1346	1821	1813	2180	1545	1475	1300	1500	1342	1439	1415	1634	1356	20166
Patents By Year of Application:	3709	2404	2842	2044	1838	1141	1289	1053	1090	955	825	651	289	32	4	20166
LG ELECTRONICS INC.																
Patents By Year of Grant:	1139	382	442	551	531	843	875	1018	1180	1680	1690	1833	2148	2447	2707	19466
Patents By Year of Application:	2558	757	936	1210	1329	1542	1610	1561	1727	1851	1594	1072	1058	595	66	19466
SIEMENS AKTIENGESELLSCHAFT																
Patents By Year of Grant:	6025	698	683	766	703	868	708	746	732	870	861	990	1005	1058	1025	17738
Patents By Year of Application:	8293	1015	933	1014	899	865	807	878	793	704	699	574	215	49	0	17738
RICOH COMPANY, LTD.																
Patents By Year of Grant:	3843	338	417	539	473	702	756	872	1020	1224	1258	1419	1486	1655	1648	17650
Patents By Year of Application:	5111	719	881	835	937	1208	1208	1321	1015	927	1132	1048	836	445	27	17650
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)																
Patents By Year of Grant:	3892	720	703	810	778	948	815	847	854	1068	1071	1168	1179	1194	1075	17122
Patents By Year of Application:	5439	1053	1011	1013	1091	986	1020	1139	1004	1050	852	714	554	184	12	17122
TEXAS INSTRUMENTS, INCORPORATED																
Patents By Year of Grant:	6063	717	765	898	734	880	750	755	649	828	793	827	740	832	806	17037
Patents By Year of Application:	8306	1000	967	762	784	689	753	686	589	602	663	546	461	195	34	17037
XEROX CORPORATION																
Patents By Year of Grant:	6642	697	646	520	464	536	558	546	630	910	944	1059	1014	973	812	16951
Patents By Year of Application:	8439	623	570	565	947	731	688	872	889	777	633	659	433	117	8	16951

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
EASTMAN KODAK COMPANY																
Patents By Year of Grant:	9746	703	757	717	582	689	494	321	296	355	299	429	395	391	243	16417
Patents By Year of Application:	11651	834	701	634	407	305	293	257	285	284	285	290	123	68	0	16417
MOTOROLA, INC.																
Patents By Year of Grant:	11429	729	668	630	494	641	443	405	408	441	28	1	0	0	0	16317
Patents By Year of Application:	13333	759	656	477	415	361	186	102	26	2	0	0	0	0	0	16317
SHARP KABUSHIKI KAISHA (SHARP CORPORATION)																
Patents By Year of Grant:	5410	579	526	556	502	687	694	610	648	796	876	1123	1139	1095	982	16223
Patents By Year of Application:	7066	641	833	814	829	892	832	824	850	987	857	530	150	110	8	16223
Panasonic Corporation																
Patents By Year of Grant:	0	0	0	0	0	0	0	293	1911	2557	2641	2858	2742	2193	290	15485
Patents By Year of Application:	72	112	311	816	1545	1878	2062	2045	1793	1621	1578	1150	400	90	12	15485
ROBERT BOSCH GMBH																
Patents By Year of Grant:	4149	686	756	907	772	683	617	439	535	615	643	768	926	1079	1080	14655
Patents By Year of Application:	6071	1292	1035	668	703	597	713	780	739	726	565	367	321	72	6	14655
TOYOTA JIDOSHA K.K.																
Patents By Year of Grant:	2594	309	310	323	325	563	439	560	535	813	978	1315	1279	1493	1510	13346
Patents By Year of Application:	3292	340	447	614	847	987	1218	1310	1272	1056	1050	535	222	144	12	13346
QUALCOMM, INC.																
Patents By Year of Grant:	638	196	180	284	201	401	284	291	358	658	925	1297	2105	2594	2903	13315
Patents By Year of Application:	1586	441	408	490	673	993	990	1271	1409	1387	1226	1163	1041	225	12	13315
Apple, Inc.																
Patents By Year of Grant:	1429	96	100	122	103	132	156	252	399	722	805	1290	1954	2195	2135	11890
Patents By Year of Application:	1800	177	243	293	356	547	874	937	962	1327	1392	1794	831	329	28	11890
HON HAI PRECISION IND. CO., LTD.																
Patents By Year of Grant:	1285	509	484	631	363	606	471	640	789	1033	1000	1088	1062	717	600	11278
Patents By Year of Application:	2020	653	439	694	508	768	748	961	1053	1367	899	571	493	97	7	11278
FUJI PHOTO FILM CO., LTD																
Patents By Year of Grant:	6459	709	845	1048	776	948	332	14	14	3	1	0	0	0	0	11149
Patents By Year of Application:	8727	955	797	438	202	27	1	2	0	0	0	0	0	0	0	11149
TELEFONAKTIEBOLAGET L M ERICSSON (PUBL.)																
Patents By Year of Grant:	2150	526	473	390	331	359	253	264	251	388	530	843	1150	1537	1408	10853
Patents By Year of Application:	4120	380	337	422	441	483	634	906	797	695	679	575	279	97	8	10853

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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:	338	224	342	434	446	657	592	718	927	1148	1005	977	914	1124	977	10823	
Patents By Year of Application:	2323	666	711	741	1062	1021	835	658	572	582	665	568	330	85	4	10823	
TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.																	
Patents By Year of Grant:	1683	449	431	463	442	472	468	367	311	438	443	650	934	1449	1759	10759	
Patents By Year of Application:	2513	689	542	644	456	461	456	322	357	889	854	1064	1090	392	30	10759	
PROCTER + GAMBLE COMPANY																	
Patents By Year of Grant:	3940	501	490	450	352	380	429	396	376	561	599	608	605	505	478	10670	
Patents By Year of Application:	5213	495	425	399	469	473	450	391	496	527	600	346	263	114	9	10670	
DENSO CORPORATION																	
Patents By Year of Grant:	1246	482	552	646	609	732	755	657	711	804	638	708	645	746	713	10644	
Patents By Year of Application:	2378	676	755	770	872	844	869	782	528	523	639	543	344	113	8	10644	
BROTHER KOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	2128	115	105	165	154	241	325	465	537	771	889	1017	1026	1143	1187	10268	
Patents By Year of Application:	2441	175	327	409	549	829	762	836	726	656	694	727	641	443	53	10268	
BROADCOM CORPORATION																	
Patents By Year of Grant:	52	75	167	299	415	660	533	643	714	958	1164	1159	1083	1197	1088	10207	
Patents By Year of Application:	714	674	722	955	859	826	928	674	773	785	860	760	582	81	14	10207	
E. I. DU PONT DE NEMOURS AND COMPANY																	
Patents By Year of Grant:	4854	316	341	332	251	363	369	327	359	492	491	462	483	457	291	10188	
Patents By Year of Application:	5684	385	436	398	435	461	438	371	414	360	346	275	147	36	2	10188	
KONINKLIJKE PHILIPS ELECTRONICS N.V.																	
Patents By Year of Grant:	12	860	1424	1250	801	955	633	525	570	765	839	947	580	11	14	10186	
Patents By Year of Application:	3750	1499	940	810	657	686	571	424	339	251	196	62	1	0	0	10186	
ADVANCED MICRO DEVICES, INC.																	
Patents By Year of Grant:	4425	1154	904	802	526	439	305	194	181	164	194	180	224	217	193	10102	
Patents By Year of Application:	6930	851	499	343	233	185	179	145	161	220	146	153	47	10	0	10102	
SEMICONDUCTOR ENERGY LABORATORY CO., LTD.																	
Patents By Year of Grant:	1153	246	275	336	293	406	413	468	550	735	765	865	1034	1178	1140	9857	
Patents By Year of Application:	2104	415	426	592	565	623	558	548	559	747	1022	846	499	324	29	9857	
GOOGLE, INC.																	
Patents By Year of Grant:	0	0	4	3	7	22	35	61	147	281	427	1170	1875	2650	2959	9641	
Patents By Year of Application:	33	18	151	234	256	282	416	449	526	755	2048	2563	1356	520	34	9641	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
BASF SE																
Patents By Year of Grant:	4172	476	393	343	231	278	226	245	207	328	357	440	602	647	536	9481
Patents By Year of Application:	5275	555	440	317	277	353	339	345	369	388	333	288	172	28	2	9481
INFINEON TECHNOLOGIES AG																
Patents By Year of Grant:	261	453	642	785	787	892	848	812	595	768	608	461	415	521	587	9435
Patents By Year of Application:	1606	1140	1003	948	1006	812	703	483	294	316	356	405	274	88	1	9435
BOEING COMPANY																
Patents By Year of Grant:	1483	200	268	428	414	490	433	441	537	676	700	672	790	899	979	9410
Patents By Year of Application:	2097	535	641	595	643	706	693	718	614	571	572	557	372	85	11	9410
LUCENT TECHNOLOGIES INC.																
Patents By Year of Grant:	5768	665	621	536	406	553	432	406	4	2	0	0	0	0	0	9393
Patents By Year of Application:	8098	410	474	243	116	41	11	0	0	0	0	0	0	0	0	9393
GM Global Technology Operations LLC																
Patents By Year of Grant:	0	0	0	0	0	33	196	323	560	971	1119	1400	1677	1525	1377	9181
Patents By Year of Application:	1	9	20	89	559	695	1016	1354	1213	1291	1203	933	649	148	1	9181
HONEYWELL INTERNATIONAL INC.																
Patents By Year of Grant:	283	351	380	537	466	572	544	641	671	831	789	824	692	756	758	9095
Patents By Year of Application:	1312	576	608	755	856	803	853	872	565	532	587	445	254	72	5	9095
3M INNOVATIVE PROPERTIES COMPANY																
Patents By Year of Grant:	1120	567	608	560	455	542	546	461	387	576	534	491	644	609	558	8658
Patents By Year of Application:	2675	648	648	572	579	580	466	454	472	514	398	322	221	98	11	8658
FORD GLOBAL TECHNOLOGIES, L.L.C.																
Patents By Year of Grant:	1284	396	357	370	291	372	415	387	317	434	443	649	730	786	1184	8415
Patents By Year of Application:	2040	466	372	366	440	523	473	427	459	575	617	717	700	228	12	8415
HEWLETT-PACKARD COMPANY																
Patents By Year of Grant:	6738	1113	424	0	7	10	4	0	0	9	26	7	0	1	0	8339
Patents By Year of Application:	8251	46	2	4	8	7	5	7	4	3	2	0	0	0	0	8339
UNITED STATES OF AMERICA, NAVY																
Patents By Year of Grant:	3844	388	366	322	262	284	273	229	236	307	321	360	407	365	362	8326
Patents By Year of Application:	4684	351	355	325	288	247	303	268	324	310	322	246	205	82	16	8326
Fujifilm Corporation																
Patents By Year of Grant:	0	0	0	0	0	3	681	903	892	1041	978	1051	896	982	769	8196
Patents By Year of Application:	132	151	317	541	912	1065	819	855	869	728	640	446	396	299	26	8196

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
UNIVERSITY OF CALIFORNIA, THE REGENTS OF																	
Patents By Year of Grant:	2834	436	445	424	392	418	337	242	262	356	330	364	403	458	491	8192	
Patents By Year of Application:	4258	483	447	345	336	372	341	298	323	280	253	243	153	52	8	8192	
FUJI XEROX CO., LTD.																	
Patents By Year of Grant:	1948	187	175	198	201	250	317	338	428	572	596	692	797	841	611	8151	
Patents By Year of Application:	2560	214	393	329	473	571	476	488	613	552	526	497	316	130	13	8151	
NOKIA CORPORATION																	
Patents By Year of Grant:	7	44	332	449	379	654	749	775	936	860	661	665	656	676	295	8138	
Patents By Year of Application:	1407	950	825	833	694	683	604	735	464	389	284	183	69	18	0	8138	
SANYO ELECTRIC CO., LTD.																	
Patents By Year of Grant:	2055	386	382	394	369	544	485	477	473	537	507	489	348	163	74	7683	
Patents By Year of Application:	3215	514	500	521	538	484	459	448	348	310	179	128	33	5	1	7683	
SUN MICROSYSTEMS, INC.																	
Patents By Year of Grant:	2513	508	584	689	655	779	623	513	564	199	3	1	2	0	0	7633	
Patents By Year of Application:	4748	1022	625	505	375	269	66	22	1	0	0	0	0	0	0	7633	
U.S. PHILIPS CORPORATION																	
Patents By Year of Grant:	6666	267	4	2	0	2	0	0	0	1	0	2	2	1	0	6947	
Patents By Year of Application:	6944	0	0	0	0	0	1	0	2	0	0	0	0	0	0	6947	
APPLIED MATERIALS, INC.																	
Patents By Year of Grant:	1696	503	537	360	352	354	285	275	300	446	367	338	341	363	421	6938	
Patents By Year of Application:	2989	467	344	334	337	440	387	353	209	250	293	225	205	101	4	6938	
NIKON CORPORATION																	
Patents By Year of Grant:	3189	251	311	235	188	151	138	161	154	220	299	365	438	382	280	6762	
Patents By Year of Application:	3948	204	183	141	280	268	265	341	235	274	250	211	120	41	1	6762	
INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN																	
Patents By Year of Grant:	1598	218	207	198	162	255	229	288	396	476	466	541	487	456	425	6402	
Patents By Year of Application:	2092	252	280	305	333	428	414	460	530	413	320	343	196	34	2	6402	
AT&T CORP.																	
Patents By Year of Grant:	4288	285	209	218	202	264	273	248	141	84	5	3	0	0	0	6220	
Patents By Year of Application:	5280	223	144	151	242	95	58	24	3	0	0	0	0	0	0	6220	
HYNIX SEMICONDUCTOR INC.																	
Patents By Year of Grant:	4	99	245	337	358	438	406	437	585	974	937	674	493	191	39	6217	
Patents By Year of Application:	336	430	431	476	484	598	832	910	684	525	379	132	0	0	0	6217	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
NISSAN MOTOR COMPANY, LIMITED																
Patents By Year of Grant:	2283	252	265	268	295	349	279	242	275	310	209	183	272	289	304	6075
Patents By Year of Application:	2827	359	372	424	420	276	290	236	143	165	232	218	103	9	1	6075
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE																
Patents By Year of Grant:	588	89	103	86	112	172	206	257	305	462	511	616	889	866	805	6067
Patents By Year of Application:	856	205	266	317	358	421	468	516	550	607	544	497	358	97	7	6067
AT& T Intellectual Property I, L.P.																
Patents By Year of Grant:	0	0	0	0	0	0	0	144	430	483	720	886	1099	1296	872	5930
Patents By Year of Application:	64	87	194	207	398	466	686	890	805	446	365	643	457	208	14	5930
GENERAL MOTORS CORPORATION																
Patents By Year of Grant:	3489	190	291	377	394	500	343	195	94	7	0	0	0	0	0	5880
Patents By Year of Application:	3946	521	581	602	191	33	5	1	0	0	0	0	0	0	0	5880
SEAGATE TECHNOLOGY, LLC																
Patents By Year of Grant:	1372	338	407	431	282	257	162	195	210	283	332	331	295	374	502	5771
Patents By Year of Application:	2512	346	367	212	190	203	255	240	288	213	230	239	331	126	19	5771
BAYER AKTIENGESELLSCHAFT																
Patents By Year of Grant:	4158	399	348	330	176	149	39	11	5	9	3	4	0	2	0	5633
Patents By Year of Application:	4977	425	156	43	13	8	6	0	1	0	2	2	0	0	0	5633
MURATA MANUFACTURING CO., LTD.																
Patents By Year of Grant:	1871	444	446	373	228	177	108	163	179	190	187	267	290	301	378	5602
Patents By Year of Application:	2851	348	277	200	94	75	174	209	258	223	296	274	208	102	13	5602
TOKYO ELECTRON LIMITED																
Patents By Year of Grant:	1112	238	192	229	199	218	234	287	362	453	460	437	408	391	381	5601
Patents By Year of Application:	1704	293	324	299	322	404	506	370	310	291	324	266	133	52	3	5601
CATERPILLAR INC.																
Patents By Year of Grant:	2027	255	221	174	157	146	191	186	182	231	292	278	262	384	531	5517
Patents By Year of Application:	2579	253	157	150	223	245	327	368	107	209	288	369	188	54	0	5517
MEDTRONIC INC.																
Patents By Year of Grant:	1417	173	195	179	182	234	251	152	217	376	380	422	454	493	365	5490
Patents By Year of Application:	2018	272	399	291	301	354	317	213	343	326	284	167	161	44	0	5490
SCHLUMBERGER TECHNOLOGY CORPORATION																
Patents By Year of Grant:	794	178	196	207	178	224	218	260	274	465	451	463	507	507	454	5376
Patents By Year of Application:	1270	300	267	263	269	403	497	508	576	438	270	203	96	16	0	5376

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
RESEARCH IN MOTION LIMITED																
Patents By Year of Grant:	35	20	20	17	27	132	148	237	390	580	762	1149	963	9	0	4489
Patents By Year of Application:	108	68	102	352	416	482	416	399	635	633	556	319	3	0	0	4489
UNITED TECHNOLOGIES CORPORATION																
Patents By Year of Grant:	1759	78	59	54	82	133	123	130	138	212	249	319	312	377	439	4464
Patents By Year of Application:	1922	89	129	237	194	301	281	209	161	185	309	368	40	35	4	4464
SAMSUNG SDI CO., LTD.																
Patents By Year of Grant:	26	108	118	150	125	162	315	432	422	440	361	303	376	514	563	4415
Patents By Year of Application:	335	196	224	474	628	522	350	281	233	473	350	236	102	10	1	4415
RAYTHEON COMPANY																
Patents By Year of Grant:	1093	158	184	176	145	207	126	123	167	205	321	365	401	382	317	4370
Patents By Year of Application:	1500	213	202	199	187	171	236	274	368	344	293	221	128	33	1	4370
HALLIBURTON ENERGY SERVICES, INC.																
Patents By Year of Grant:	528	167	186	212	193	282	284	224	205	268	227	270	368	433	464	4311
Patents By Year of Application:	904	298	285	367	305	244	242	188	266	298	262	434	192	25	1	4311
GOODYEAR TIRE + RUBBER COMPANY																
Patents By Year of Grant:	1723	282	260	226	168	221	201	193	215	152	152	113	117	112	153	4288
Patents By Year of Application:	2234	241	241	197	178	179	165	211	133	120	135	107	116	27	4	4288
KIMBERLY-CLARK WORLDWIDE, INC.																
Patents By Year of Grant:	1071	284	417	313	259	230	178	144	166	249	207	236	214	187	116	4271
Patents By Year of Application:	2122	438	288	204	218	167	154	150	100	121	116	108	66	17	2	4271
SAP AKTIENGESELLSCHAFT																
Patents By Year of Grant:	9	7	2	9	20	55	150	256	386	654	477	506	557	609	573	4270
Patents By Year of Application:	38	186	351	613	544	473	373	309	219	357	279	357	147	23	1	4270
UNITED MICROELECTRONICS CORPORATION																
Patents By Year of Grant:	1986	278	188	77	95	107	125	121	151	159	118	137	196	263	252	4253
Patents By Year of Application:	2439	121	94	134	175	141	162	146	88	100	211	190	178	65	9	4253
MARVELL INTERNATIONAL LTD.																
Patents By Year of Grant:	6	24	17	29	52	109	160	179	245	391	520	594	642	694	576	4238
Patents By Year of Application:	82	90	127	199	188	238	435	512	372	392	399	551	432	211	10	4238
Renesas Electronics Corp.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	150	985	1028	870	591	595	4219
Patents By Year of Application:	2	4	3	6	36	109	247	463	679	796	651	636	359	203	25	4219

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
EMC CORPORATION																	
Patents By Year of Grant:	368	101	135	131	131	161	173	193	250	309	282	319	375	609	669	4206	
Patents By Year of Application:	884	171	157	269	235	426	364	190	149	240	380	477	218	44	2	4206	
NORTEL NETWORKS LIMITED																	
Patents By Year of Grant:	955	420	436	499	377	323	273	275	248	182	178	15	0	1	0	4182	
Patents By Year of Application:	2922	340	331	242	109	107	48	38	27	16	2	0	0	0	0	4182	
NATIONAL SEMICONDUCTOR CORPORATION																	
Patents By Year of Grant:	1788	208	217	219	224	259	229	191	202	204	172	98	94	52	21	4178	
Patents By Year of Application:	2295	265	270	312	255	166	220	123	69	96	88	11	7	1	0	4178	
AGILENT TECHNOLOGIES, INC.																	
Patents By Year of Grant:	462	314	388	647	559	468	286	262	178	124	116	109	85	92	52	4142	
Patents By Year of Application:	1546	689	572	340	300	237	116	84	84	58	50	35	27	4	0	4142	
SHELL OIL COMPANY																	
Patents By Year of Grant:	2012	81	100	170	122	189	139	137	142	178	127	135	190	211	184	4117	
Patents By Year of Application:	2373	246	163	205	120	129	168	166	138	129	129	102	34	15	0	4117	
OKI ELECTRIC INDUSTRY CO., LTD.																	
Patents By Year of Grant:	1568	328	295	307	315	318	279	234	82	64	63	91	66	46	58	4114	
Patents By Year of Application:	2330	392	365	276	230	149	80	64	75	67	24	41	19	2	0	4114	
LOCKHEED MARTIN CORPORATION																	
Patents By Year of Grant:	636	193	224	203	202	229	244	209	215	300	297	346	332	263	220	4113	
Patents By Year of Application:	1203	292	295	248	248	268	235	318	291	252	208	146	79	27	3	4113	
YAMAHA CORPORATION																	
Patents By Year of Grant:	1692	133	126	125	160	174	198	223	232	224	196	187	152	134	114	4070	
Patents By Year of Application:	2094	187	244	185	234	203	209	197	129	121	104	79	54	30	0	4070	
MINOLTA CAMERA CO., LTD.																	
Patents By Year of Grant:	2782	240	223	211	159	169	113	54	41	33	23	8	4	0	0	4060	
Patents By Year of Application:	3669	185	132	21	13	10	13	8	1	7	1	0	0	0	0	4060	
ORACLE INTERNATIONAL CORPORATION																	
Patents By Year of Grant:	0	2	36	94	93	174	170	201	203	372	440	462	525	652	614	4038	
Patents By Year of Application:	369	248	278	286	278	251	363	354	307	287	354	405	196	58	4	4038	
HYUNDAI MOTOR COMPANY																	
Patents By Year of Grant:	525	152	106	111	119	133	109	105	129	201	262	301	405	616	760	4034	
Patents By Year of Application:	779	164	156	114	142	141	153	281	295	301	434	497	461	116	0	4034	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
UNITED STATES OF AMERICA, ARMY																
Patents By Year of Grant:	1898	150	131	135	127	181	144	130	118	158	131	174	159	156	164	3956
Patents By Year of Application:	2245	163	168	193	185	146	97	109	122	134	128	133	97	31	5	3956
Hong Fu Jin Precision Industry (Shenzhen) Co., Ltd.																
Patents By Year of Grant:	0	0	0	0	0	21	104	196	286	455	495	781	922	480	208	3948
Patents By Year of Application:	0	5	5	98	147	305	324	428	680	689	799	331	119	18	0	3948
ILLINOIS TOOL WORKS INC.																
Patents By Year of Grant:	988	154	216	227	250	193	228	205	165	192	191	172	234	255	250	3920
Patents By Year of Application:	1408	294	282	243	257	233	219	213	172	177	156	125	84	52	5	3920
CORNING INCORPORATED																
Patents By Year of Grant:	1094	250	259	237	114	135	129	97	122	183	212	241	282	278	272	3905
Patents By Year of Application:	1702	235	152	128	129	144	195	205	260	210	198	188	117	41	1	3905
L'OREAL S.A.																
Patents By Year of Grant:	1679	287	219	136	113	155	166	145	117	165	150	99	146	171	150	3898
Patents By Year of Application:	2364	224	197	162	174	141	111	96	127	120	87	70	21	4	0	3898
RENESAS TECHNOLOGY CORPORATION																
Patents By Year of Grant:	0	0	20	914	607	583	513	502	369	346	8	0	1	0	0	3863
Patents By Year of Application:	422	739	746	495	464	430	362	162	40	1	1	1	0	0	0	3863
EATON CORPORATION																
Patents By Year of Grant:	1765	159	139	124	126	137	134	124	157	130	125	138	168	158	203	3787
Patents By Year of Application:	2055	147	148	157	169	160	155	132	145	118	150	118	99	32	2	3787
PIONEER HI-BRED INTERNATIONAL, INC.																
Patents By Year of Grant:	578	62	71	130	116	134	205	142	206	181	296	383	443	443	384	3774
Patents By Year of Application:	831	99	107	153	151	139	222	242	315	446	326	403	286	54	0	3774
MASSACHUSETTS INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	1291	136	127	132	136	140	141	134	135	177	161	218	281	279	281	3769
Patents By Year of Application:	1732	179	187	138	165	186	154	148	209	172	169	171	125	32	2	3769
LSI LOGIC CORPORATION																
Patents By Year of Grant:	1667	308	374	378	340	384	105	107	29	7	3	1	1	0	0	3704
Patents By Year of Application:	2662	437	342	146	80	19	9	6	2	1	0	0	0	0	0	3704
SUMITOMO CHEMICAL COMPANY, LIMITED																
Patents By Year of Grant:	1592	187	174	152	113	102	109	80	108	132	181	204	179	193	178	3684
Patents By Year of Application:	2036	205	157	138	132	128	126	164	151	123	150	121	38	12	3	3684

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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:	139	140	187	180	151	267	227	202	192	278	277	339	374	351	315	3619	
Patents By Year of Application:	985	340	349	317	287	284	232	211	198	183	88	76	42	24	3	3619	
Alcatel Lucent																	
Patents By Year of Grant:	0	0	0	0	0	0	41	98	149	227	402	635	650	700	716	3618	
Patents By Year of Application:	33	91	157	197	265	398	433	401	436	373	403	291	113	26	1	3618	
HUAWEI TECHNOLOGIES CO., LTD.																	
Patents By Year of Grant:	0	1	1	6	10	19	21	50	85	252	357	533	687	778	805	3605	
Patents By Year of Application:	11	38	64	41	76	198	234	291	417	401	558	633	436	188	19	3605	
OLYMPUS CORPORATION																	
Patents By Year of Grant:	5	0	5	203	180	275	272	296	289	331	340	368	305	307	412	3588	
Patents By Year of Application:	140	217	321	423	379	365	286	253	228	270	224	211	185	82	4	3588	
FORD MOTOR COMPANY																	
Patents By Year of Grant:	2445	18	46	58	48	41	31	72	133	152	54	64	128	117	156	3563	
Patents By Year of Application:	2549	59	59	45	38	40	86	111	122	32	92	138	87	102	3	3563	
DELL PRODUCTS, L.P.																	
Patents By Year of Grant:	700	109	131	134	132	129	158	178	242	204	233	238	220	289	375	3472	
Patents By Year of Application:	1102	112	175	142	194	247	239	307	209	141	159	220	171	47	7	3472	
DEERE + COMPANY																	
Patents By Year of Grant:	916	145	178	166	155	153	160	138	148	204	196	197	237	231	247	3471	
Patents By Year of Application:	1231	192	193	164	221	219	188	209	173	178	197	139	121	41	5	3471	
HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.																	
Patents By Year of Grant:	0	0	59	127	188	295	323	322	386	340	311	334	263	276	233	3457	
Patents By Year of Application:	177	150	302	410	490	374	380	263	227	166	143	144	126	88	17	3457	
OLYMPUS OPTICAL CO., LTD.																	
Patents By Year of Grant:	2560	276	272	121	82	62	32	16	14	10	4	2	2	0	0	3453	
Patents By Year of Application:	3176	146	75	18	13	10	6	3	0	4	2	0	0	0	0	3453	
SHIN ETSU CHEMICAL CO., LTD.																	
Patents By Year of Grant:	1380	134	136	166	119	107	97	93	134	158	143	167	176	215	227	3452	
Patents By Year of Application:	1710	167	154	135	134	136	143	113	142	161	158	139	117	40	3	3452	
XILINX, INC.																	
Patents By Year of Grant:	583	146	137	137	177	261	233	244	262	265	210	232	201	171	169	3428	
Patents By Year of Application:	924	204	273	302	297	220	205	239	215	194	116	96	88	52	3	3428	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
BLACK & DECKER INC.																
Patents By Year of Grant:	1032	135	151	129	131	247	237	267	210	196	156	127	158	129	98	3403
Patents By Year of Application:	1289	179	199	245	239	241	244	196	119	133	111	95	92	19	2	3403
ROHM CO., LTD.																
Patents By Year of Grant:	1054	150	128	135	113	178	153	168	124	163	208	176	187	198	239	3374
Patents By Year of Application:	1406	143	162	197	225	183	135	236	113	108	144	130	123	65	4	3374
ALTERA CORPORATION																
Patents By Year of Grant:	456	87	67	88	122	202	268	260	222	244	229	245	279	317	275	3361
Patents By Year of Application:	655	157	224	305	283	251	211	224	182	205	210	209	164	80	1	3361
SAMSUNG ELECTRO-MECHANICS CO., LTD.																
Patents By Year of Grant:	180	49	83	83	85	131	158	178	231	272	295	358	343	415	495	3356
Patents By Year of Application:	307	95	128	159	176	257	268	331	331	256	299	374	321	52	2	3356
CASIO COMPUTER CO. LTD.																
Patents By Year of Grant:	1280	82	46	58	67	87	125	112	180	176	185	206	236	228	227	3295
Patents By Year of Application:	1450	44	103	151	185	166	191	129	154	190	191	157	145	32	7	3295
AU OPTRONICS CORP.																
Patents By Year of Grant:	0	12	40	78	107	168	181	183	240	366	338	385	383	372	309	3162
Patents By Year of Application:	65	51	211	241	242	297	300	299	317	323	331	268	154	57	6	3162
Amazon Technologies, Inc.																
Patents By Year of Grant:	0	0	0	0	0	4	6	24	55	122	182	290	542	751	1159	3135
Patents By Year of Application:	7	6	20	40	68	140	168	198	231	482	581	638	397	147	12	3135
BOSTON SCIENTIFIC SCIMED, INC.																
Patents By Year of Grant:	0	3	8	6	81	128	147	176	251	416	445	398	388	396	250	3093
Patents By Year of Application:	110	195	355	376	356	280	230	236	201	231	211	186	102	23	1	3093
BRIDGESTONE CORPORATION																
Patents By Year of Grant:	1170	143	112	120	70	68	83	106	110	151	190	158	152	172	271	3076
Patents By Year of Application:	1503	118	116	105	143	156	152	141	159	154	109	140	61	19	0	3076
CARDIAC PACEMAKERS, INC.																
Patents By Year of Grant:	273	94	112	89	110	136	154	148	182	238	326	295	350	351	192	3050
Patents By Year of Application:	614	163	203	232	249	228	194	157	211	244	210	160	141	44	0	3050
BlackBerry Limited																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	558	1392	1083	3033
Patents By Year of Application:	0	1	5	15	24	44	90	91	202	426	596	979	442	116	2	3033

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
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
KYOCERA CORPORATION																
Patents By Year of Grant:	346	60	70	43	46	54	72	78	108	137	200	323	385	381	410	2713
Patents By Year of Application:	489	61	81	133	193	227	268	252	278	233	243	170	54	28	3	2713
SUMITOMO WIRING SYSTEMS, LTD.																
Patents By Year of Grant:	1124	192	167	164	114	134	106	63	85	82	63	93	99	103	116	2705
Patents By Year of Application:	1430	157	158	114	106	93	89	103	79	94	110	96	54	21	1	2705
DOW CHEMICAL COMPANY																
Patents By Year of Grant:	2468	118	42	28	10	9	5	0	3	0	1	0	0	0	0	2684
Patents By Year of Application:	2656	19	2	3	1	2	1	0	0	0	0	0	0	0	0	2684
DAIMLER-CHRYSLER AKTIENGESELLSCHAFT																
Patents By Year of Grant:	961	362	293	283	223	266	195	87	2	1	0	0	1	0	0	2674
Patents By Year of Application:	1675	337	235	179	137	64	42	5	0	0	0	0	0	0	0	2674
ASAHI KOGAKU KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	2376	259	18	5	1	0	0	0	0	0	0	0	0	0	0	2659
Patents By Year of Application:	2651	8	0	0	0	0	0	0	0	0	0	0	0	0	0	2659
UNIVERSITY OF TEXAS																
Patents By Year of Grant:	962	91	94	99	89	109	90	79	98	122	126	141	169	174	191	2634
Patents By Year of Application:	1308	119	134	103	84	109	108	123	125	142	101	85	68	23	2	2634
MITSUBISHI HEAVY INDUSTRIES, LTD.																
Patents By Year of Grant:	421	140	155	121	110	69	72	81	82	114	147	231	318	326	237	2624
Patents By Year of Application:	734	204	105	94	77	118	166	258	292	218	210	101	45	2	0	2624
ADOBE SYSTEMS INCORPORATED																
Patents By Year of Grant:	155	28	32	45	39	56	53	104	144	206	288	333	363	431	337	2614
Patents By Year of Application:	352	60	81	94	171	233	295	335	236	209	219	230	82	17	0	2614
NCR CORPORATION																
Patents By Year of Grant:	1216	164	168	129	84	113	103	79	72	52	50	96	93	100	92	2611
Patents By Year of Application:	1813	135	55	67	79	63	64	65	54	74	64	48	27	2	1	2611
SPRINT COMMUNICATIONS COMPANY L.P.																
Patents By Year of Grant:	88	42	54	86	69	110	112	122	126	205	247	402	365	270	311	2609
Patents By Year of Application:	338	135	155	155	165	186	208	254	261	212	163	176	165	33	3	2609

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
INTERNATIONAL GAME TECHNOLOGY (IGT)																	
Patents By Year of Grant:	70	43	72	125	109	103	112	126	133	262	273	278	336	315	239	2596	
Patents By Year of Application:	349	183	203	224	196	262	243	153	85	65	207	202	184	31	9	2596	
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION																	
Patents By Year of Grant:	1329	85	80	102	87	62	70	66	86	101	107	106	92	112	106	2591	
Patents By Year of Application:	1536	116	96	87	88	97	99	81	93	89	84	70	43	12	0	2591	
PFIZER INC.																	
Patents By Year of Grant:	1157	187	196	166	163	140	110	77	77	74	43	62	29	49	57	2587	
Patents By Year of Application:	1612	189	198	132	105	73	52	41	38	26	27	39	24	25	6	2587	
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD.																	
Patents By Year of Grant:	951	74	62	54	62	84	106	115	168	177	187	193	102	111	131	2577	
Patents By Year of Application:	1101	73	80	89	169	169	212	203	189	64	44	76	71	37	0	2577	
NVIDIA CORPORATION																	
Patents By Year of Grant:	47	15	25	42	52	103	109	175	272	229	264	267	290	338	326	2554	
Patents By Year of Application:	155	97	183	228	289	364	396	210	151	89	103	158	121	10	0	2554	
STANFORD UNIVERSITY																	
Patents By Year of Grant:	738	102	86	76	90	98	85	121	110	155	153	183	170	182	205	2554	
Patents By Year of Application:	1047	115	123	100	105	131	173	138	117	142	159	120	57	24	3	2554	
KONINKLIJKE PHILIPS N.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	511	944	1088	2543	
Patents By Year of Application:	7	11	22	42	56	98	147	236	472	541	309	256	218	125	3	2543	
NXP B.V.																	
Patents By Year of Grant:	0	0	0	0	0	4	181	194	273	240	319	306	352	390	284	2543	
Patents By Year of Application:	38	85	248	309	274	265	196	213	271	167	167	150	113	46	1	2543	
NTT DOCOMO, INC.																	
Patents By Year of Grant:	1	5	6	18	65	135	145	152	202	277	269	350	389	306	215	2535	
Patents By Year of Application:	163	174	184	172	192	287	236	281	317	189	210	83	43	3	1	2535	
COLGATE-PALMOLIVE COMPANY																	
Patents By Year of Grant:	1146	181	157	84	57	83	49	59	81	89	76	92	145	129	99	2527	
Patents By Year of Application:	1345	168	141	73	80	58	86	111	116	115	85	72	60	16	1	2527	
CYPRESS SEMICONDUCTOR CORP.																	
Patents By Year of Grant:	551	123	185	175	149	161	115	106	62	137	137	149	155	178	143	2526	
Patents By Year of Application:	1098	246	29	161	102	157	148	120	58	67	126	107	79	26	2	2526	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
SEIKO INSTRUMENTS INC.																
Patents By Year of Grant:	795	192	184	142	61	75	79	70	108	112	153	164	165	118	106	2524
Patents By Year of Application:	1214	121	88	75	97	109	114	114	125	168	115	92	57	33	2	2524
MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG																
Patents By Year of Grant:	713	107	130	107	88	100	105	100	107	159	131	129	155	177	199	2507
Patents By Year of Application:	1057	190	153	168	134	124	109	93	137	122	107	64	40	8	1	2507
HYUNDAI ELECTRONICS INDUSTRIES CO., LTD.																
Patents By Year of Grant:	1775	392	180	107	25	15	2	1	0	0	0	0	0	0	0	2497
Patents By Year of Application:	2418	48	21	5	3	2	0	0	0	0	0	0	0	0	0	2497
ALCATEL																
Patents By Year of Grant:	624	277	269	288	212	252	154	155	133	95	26	1	0	0	0	2486
Patents By Year of Application:	1622	276	209	196	116	61	3	1	1	1	0	0	0	0	0	2486
KONICA MINOLTA BUSINESS TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	0	0	0	5	77	101	121	179	285	320	454	467	340	129	2478
Patents By Year of Application:	1	1	22	278	202	239	283	296	348	292	267	195	53	1	0	2478
KAO KABUSHIKI KAISHA (KAO CORPORATION)																
Patents By Year of Grant:	979	94	92	96	87	102	78	80	91	118	149	136	136	121	116	2475
Patents By Year of Application:	1279	142	135	129	109	109	102	123	97	113	72	41	18	6	0	2475
CALIFORNIA INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	673	111	139	138	102	115	116	96	93	134	113	137	150	173	183	2473
Patents By Year of Application:	1107	129	113	107	121	112	124	121	82	108	129	94	99	24	3	2473
ELI LILLY AND COMPANY																
Patents By Year of Grant:	1551	123	91	59	48	61	69	64	69	67	75	68	40	44	40	2469
Patents By Year of Application:	1808	116	103	59	65	49	51	33	43	41	28	27	26	19	1	2469
NITTO DENKO CORPORATION																
Patents By Year of Grant:	358	74	78	90	84	109	101	112	126	161	187	243	273	265	205	2466
Patents By Year of Application:	585	122	123	150	145	126	157	193	205	176	211	171	84	18	0	2466
ANALOG DEVICES, INC.																
Patents By Year of Grant:	572	68	117	118	129	141	142	123	85	142	128	165	193	195	144	2462
Patents By Year of Application:	803	178	129	158	133	124	113	131	147	112	156	158	103	16	1	2462
HARRIS CORP.																
Patents By Year of Grant:	946	82	71	89	122	96	91	98	107	107	119	124	138	131	130	2451
Patents By Year of Application:	1149	122	156	96	90	151	144	115	96	67	100	108	44	12	1	2451

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
ASML NETHERLANDS B.V.																	
Patents By Year of Grant:	23	34	33	64	92	211	205	273	206	218	186	179	206	281	227	2438	
Patents By Year of Application:	114	66	173	456	259	286	147	156	228	194	178	103	54	22	2	2438	
BECTON, DICKINSON AND COMPANY																	
Patents By Year of Grant:	1151	99	121	86	63	68	49	60	67	104	101	83	137	117	121	2427	
Patents By Year of Application:	1405	131	129	75	57	51	86	80	108	97	84	65	52	6	1	2427	
MACRONIX INTERNATIONAL CO., LTD.																	
Patents By Year of Grant:	155	123	183	162	101	109	130	136	161	191	216	185	158	180	231	2421	
Patents By Year of Application:	400	218	149	138	148	220	216	151	142	176	142	138	109	71	3	2421	
LEXMARK INTERNATIONAL, INC.																	
Patents By Year of Grant:	602	121	128	108	91	118	168	148	127	182	152	157	86	87	94	2369	
Patents By Year of Application:	877	128	147	243	194	138	157	129	78	74	65	71	40	26	2	2369	
ALLIED-SIGNAL INC.																	
Patents By Year of Grant:	2234	68	39	13	3	1	2	1	0	0	0	0	0	0	0	2361	
Patents By Year of Application:	2349	9	2	1	0	0	0	0	0	0	0	0	0	0	0	2361	
LSI CORPORATION																	
Patents By Year of Grant:	2	0	1	0	0	1	142	141	165	206	223	307	399	616	151	2354	
Patents By Year of Application:	12	35	90	152	220	112	108	274	245	272	315	358	141	20	0	2354	
NOVARTIS AG (FORMERLY SANDOZ LTD.)																	
Patents By Year of Grant:	313	95	85	78	76	86	54	71	72	190	195	274	292	245	227	2353	
Patents By Year of Application:	568	127	137	112	121	160	176	129	157	175	172	179	94	43	3	2353	
COMMISSARIAT A L'ENERGIE ATOMIQUE																	
Patents By Year of Grant:	735	87	82	89	83	92	93	98	135	210	219	223	114	64	28	2352	
Patents By Year of Application:	1001	155	155	139	159	168	199	200	120	36	12	2	3	3	0	2352	
NEC ELECTRONICS CORPORATION																	
Patents By Year of Grant:	0	0	263	264	214	207	261	267	386	477	9	0	0	0	0	2348	
Patents By Year of Application:	407	256	259	230	384	360	258	154	38	2	0	0	0	0	0	2348	
AGERE SYSTEMS INC.																	
Patents By Year of Grant:	18	52	316	274	168	240	193	182	211	235	167	136	78	61	1	2332	
Patents By Year of Application:	833	188	191	221	208	229	175	137	70	22	27	22	9	0	0	2332	
WISCONSIN ALUMNI RESEARCH FOUNDATION																	
Patents By Year of Grant:	663	80	85	64	77	101	91	90	116	139	145	155	160	154	161	2281	
Patents By Year of Application:	906	114	93	119	134	141	128	142	102	104	99	110	75	13	1	2281	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
Covidien LP																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	57	754	670	778	2260
Patents By Year of Application:	0	2	7	11	13	54	66	142	253	373	444	470	288	119	18	2260
SYMANTEC CORPORATION																
Patents By Year of Grant:	49	6	9	6	12	19	36	64	114	166	199	323	407	422	427	2259
Patents By Year of Application:	105	29	73	104	145	111	211	287	303	281	247	223	111	29	0	2259
VERIZON PATENT AND LICENSING, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	68	117	286	478	660	650	2259
Patents By Year of Application:	2	7	5	13	13	173	249	260	292	359	407	282	151	45	1	2259
PIONEER CORPORATION																
Patents By Year of Grant:	53	133	205	259	221	274	227	163	143	156	168	125	53	25	43	2248
Patents By Year of Application:	669	332	285	216	258	200	140	29	27	24	32	17	5	13	1	2248
AVAYA INC.																
Patents By Year of Grant:	175	128	98	82	46	72	70	77	80	200	238	235	234	261	237	2233
Patents By Year of Application:	546	119	118	155	176	192	155	172	147	156	100	118	73	6	0	2233
HOFFMANN-LA ROCHE INC.																
Patents By Year of Grant:	898	73	84	63	51	78	100	103	116	116	122	116	118	95	72	2205
Patents By Year of Application:	1056	81	89	109	109	119	118	102	95	89	84	104	30	14	6	2205
GENENTECH, INC.																
Patents By Year of Grant:	610	69	71	62	70	147	282	226	86	120	80	104	105	95	73	2200
Patents By Year of Application:	1018	436	55	57	79	101	64	64	56	67	78	70	43	12	0	2200
CIBA-GEIGY CORPORATION																
Patents By Year of Grant:	2183	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2185
Patents By Year of Application:	2185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2185
WHIRLPOOL CORPORATION																
Patents By Year of Grant:	439	53	78	51	61	74	129	83	88	112	172	177	211	223	229	2180
Patents By Year of Application:	535	88	87	105	157	138	133	151	183	150	123	168	126	35	1	2180
HUGHES AIRCRAFT COMPANY																
Patents By Year of Grant:	2173	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2174
Patents By Year of Application:	2174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2174
LG CHEM, LTD.																
Patents By Year of Grant:	42	23	14	15	28	25	50	76	138	171	201	224	239	399	529	2174
Patents By Year of Application:	86	38	48	85	152	232	224	202	145	163	207	191	278	118	5	2174

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
HEIDELBERGER DRUCKMASCHINEN AG																	
Patents By Year of Grant:	951	158	248	205	89	49	52	56	49	44	47	46	45	59	34	2132	
Patents By Year of Application:	1464	156	93	57	66	42	60	45	58	28	25	21	9	8	0	2132	
LG. PHILIPS LCD CO., LTD.																	
Patents By Year of Grant:	80	151	222	304	320	382	418	251	1	1	0	1	1	0	0	2132	
Patents By Year of Application:	748	398	397	408	131	39	11	0	0	0	0	0	0	0	0	2132	
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	
YAHOO, INC.																	
Patents By Year of Grant:	4	5	8	5	13	30	28	67	166	309	334	270	312	300	247	2098	
Patents By Year of Application:	72	21	55	91	162	289	396	330	154	194	140	119	60	11	4	2098	
BAYERISCHE MOTOREN WERKE AG																	
Patents By Year of Grant:	379	82	85	89	91	118	100	134	136	157	129	136	148	135	172	2091	
Patents By Year of Application:	566	84	82	81	104	164	169	101	151	128	114	128	121	93	5	2091	
EXXONMOBIL CHEMICAL PATENTS INC.																	
Patents By Year of Grant:	58	126	100	88	113	154	166	159	142	211	194	134	148	150	143	2086	
Patents By Year of Application:	339	164	222	153	221	182	173	130	112	119	113	87	54	15	2	2086	
MEDIATEK INC.																	
Patents By Year of Grant:	7	1	5	24	32	106	126	166	157	233	240	266	213	246	248	2070	
Patents By Year of Application:	31	66	109	142	162	207	202	272	225	153	201	138	102	57	3	2070	
DAI NIPPON PRINTING CO. LTD																	
Patents By Year of Grant:	596	78	91	113	86	103	90	93	116	124	125	113	116	104	112	2060	
Patents By Year of Application:	851	135	153	121	146	129	119	91	58	86	80	52	26	11	2	2060	
ACUSHNET COMPANY																	
Patents By Year of Grant:	264	62	99	110	98	164	136	139	122	127	165	171	113	135	151	2056	
Patents By Year of Application:	424	131	143	162	135	111	109	176	151	129	140	103	99	42	1	2056	
MAZDA MOTOR CORPORATION																	
Patents By Year of Grant:	1243	53	58	53	43	46	38	70	50	63	50	63	73	79	72	2054	
Patents By Year of Application:	1347	67	55	52	52	60	70	61	54	48	76	54	40	17	1	2054	
PITNEY-BOWES, INC.																	
Patents By Year of Grant:	993	83	91	117	96	87	64	83	81	82	95	79	41	28	19	2039	
Patents By Year of Application:	1326	122	107	87	91	79	69	55	52	21	15	11	3	1	0	2039	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
SUMITOMO RUBBER INDUSTRIES, LTD.																
Patents By Year of Grant:	832	88	130	129	79	73	69	61	65	79	81	70	62	92	126	2036
Patents By Year of Application:	1111	128	94	69	82	89	63	63	58	76	80	77	37	9	0	2036
AIR PRODUCTS AND CHEMICALS, INC.																
Patents By Year of Grant:	1022	74	98	72	57	67	66	71	59	61	58	82	92	81	62	2022
Patents By Year of Application:	1180	110	108	82	79	73	68	82	49	56	49	48	29	8	1	2022
DAIKIN INDUSTRIES LIMITED																
Patents By Year of Grant:	549	68	66	78	59	63	75	75	102	145	152	150	142	146	144	2014
Patents By Year of Application:	737	111	103	106	118	106	152	168	140	99	79	43	32	20	0	2014
STMICROELECTRONICS S.A.																
Patents By Year of Grant:	210	138	148	150	136	170	158	140	153	174	132	90	83	65	62	2009
Patents By Year of Application:	624	214	191	176	158	175	146	89	47	52	55	42	26	13	1	2009
MOBIL OIL CORP.																
Patents By Year of Grant:	1980	14	5	4	3	0	0	1	0	0	0	0	0	0	0	2007
Patents By Year of Application:	2005	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2007
COMPAQ COMPUTER CORPORATION, INC.																
Patents By Year of Grant:	1816	166	24	0	0	0	0	0	0	0	0	0	0	0	0	2006
Patents By Year of Application:	2005	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2006
LAM RESEARCH CORPORATION																
Patents By Year of Grant:	309	107	133	103	125	111	90	74	93	117	111	165	151	159	140	1988
Patents By Year of Application:	618	135	146	126	108	128	104	122	106	127	81	108	65	14	0	1988
UNISYS CORPORATION																
Patents By Year of Grant:	1090	119	99	118	83	106	87	89	52	40	23	18	13	23	24	1984
Patents By Year of Application:	1521	115	124	66	42	26	12	17	11	8	13	16	13	0	0	1984
UNITED STATES OF AMERICA, AIR FORCE																
Patents By Year of Grant:	1221	76	68	55	55	49	43	46	51	46	46	52	58	54	60	1980
Patents By Year of Application:	1388	74	56	51	70	41	39	42	49	37	47	38	30	16	2	1980
NORTHROP GRUMMAN CORPORATION																
Patents By Year of Grant:	856	97	152	175	145	162	134	114	96	35	4	2	6	0	0	1978
Patents By Year of Application:	1238	142	190	140	144	91	20	4	5	2	2	0	0	0	0	1978
HITACHI HIGH-TECHNOLOGIES CORPORATION																
Patents By Year of Grant:	0	0	4	24	47	86	87	139	138	201	251	261	232	276	230	1976
Patents By Year of Application:	5	44	82	123	126	147	194	251	252	261	204	157	94	33	3	1976

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
PORSCHÉ AG																	
Patents By Year of Grant:	540	85	75	80	78	78	74	72	136	116	99	135	118	160	125	1971	
Patents By Year of Application:	686	93	80	79	86	67	168	109	149	94	137	90	90	43	0	1971	
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	
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.																	
Patents By Year of Grant:	412	92	79	71	56	65	49	69	64	97	132	175	181	222	191	1955	
Patents By Year of Application:	689	97	80	66	109	117	149	143	108	99	143	96	49	10	0	1955	
ROLLS-ROYCE PLC																	
Patents By Year of Grant:	466	42	56	54	50	87	76	86	74	119	121	163	174	215	170	1953	
Patents By Year of Application:	578	65	81	116	126	105	129	122	171	171	125	123	30	11	0	1953	
TRW INC.																	
Patents By Year of Grant:	1499	227	134	51	26	14	1	1	0	0	0	0	0	0	0	1953	
Patents By Year of Application:	1906	46	1	0	0	0	0	0	0	0	0	0	0	0	0	1953	
NOKIA MOBILE PHONES LTD.																	
Patents By Year of Grant:	1085	265	204	166	104	96	16	5	5	3	0	0	2	1	0	1952	
Patents By Year of Application:	1905	21	9	10	5	0	0	1	0	1	0	0	0	0	0	1952	
AT& T Intellectual Property II, L.P.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	38	160	284	430	304	268	318	141	1943	
Patents By Year of Application:	31	44	47	90	375	197	212	217	225	94	99	151	111	48	2	1943	
ZF FRIEDRICHSHAFEN, AG																	
Patents By Year of Grant:	296	45	54	60	55	82	94	99	98	145	140	198	237	170	170	1943	
Patents By Year of Application:	401	96	106	128	127	145	194	183	138	156	101	78	74	15	1	1943	
HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN (HENKEL KGAA)																	
Patents By Year of Grant:	935	76	69	73	40	59	80	62	39	54	61	99	104	94	95	1940	
Patents By Year of Application:	1137	74	52	69	61	76	62	34	51	57	90	77	57	42	1	1940	
FUNAI ELECTRIC CO., LTD.																	
Patents By Year of Grant:	159	40	39	60	62	121	124	150	237	247	209	165	128	109	69	1919	
Patents By Year of Application:	296	78	95	170	237	240	239	190	84	106	58	72	31	20	3	1919	
SYMBOL TECHNOLOGIES, INC.																	
Patents By Year of Grant:	478	52	66	92	72	130	141	143	112	109	105	105	103	99	108	1915	
Patents By Year of Application:	702	104	116	144	135	131	145	126	74	63	55	68	43	7	2	1915	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
TOYODA GOSEI KABUSHIKI KAISHA																
Patents By Year of Grant:	556	84	87	88	116	91	108	80	88	92	99	74	113	128	109	1913
Patents By Year of Application:	758	134	118	117	94	84	87	85	106	70	79	80	68	32	1	1913
SK Hynix Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	74	271	712	852	1909
Patents By Year of Application:	0	0	0	0	0	0	5	23	26	166	283	647	456	276	27	1909
ERICSSON, INC.																
Patents By Year of Grant:	1215	254	181	109	59	46	24	9	2	1	1	2	1	2	2	1908
Patents By Year of Application:	1854	33	8	5	1	2	1	1	0	0	1	1	1	0	0	1908
SHIMANO INC.																
Patents By Year of Grant:	611	98	90	65	101	138	101	87	77	111	66	52	83	106	122	1908
Patents By Year of Application:	792	95	125	128	143	110	85	78	62	56	75	97	41	21	0	1908
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
Dow Global Technologies LLC																
Patents By Year of Grant:	0	39	89	92	68	64	55	47	69	125	144	200	276	296	314	1878
Patents By Year of Application:	161	115	93	110	80	132	138	152	188	224	223	151	91	17	3	1878
PIONEER ELECTRONIC CORPORATION																
Patents By Year of Grant:	1701	64	36	30	14	9	5	8	3	6	1	1	0	0	0	1878
Patents By Year of Application:	1835	19	11	8	2	1	0	2	0	0	0	0	0	0	0	1878
FUJI ELECTRIC CO., LTD.																
Patents By Year of Grant:	929	57	78	74	50	35	12	6	1	0	20	106	124	171	205	1868
Patents By Year of Application:	1083	79	56	12	12	3	16	41	81	79	125	122	104	52	3	1868
ASAHI GLASS COMPANY, LTD.																
Patents By Year of Grant:	586	82	106	93	59	76	49	75	69	120	97	126	160	83	84	1865
Patents By Year of Application:	790	111	68	69	86	78	106	89	96	106	96	102	44	23	1	1865
Oracle America, Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	448	475	426	256	153	79	1837
Patents By Year of Application:	30	32	56	142	200	322	286	335	291	64	52	24	2	1	0	1837

---- 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	
ROHM AND HAAS COMPANY																	
Patents By Year of Grant:	970	76	83	86	61	77	55	46	48	55	53	62	47	63	55	1837	
Patents By Year of Application:	1174	102	100	49	53	50	51	60	43	39	47	39	19	11	0	1837	
DIGITAL EQUIPMENT CORPORATION																	
Patents By Year of Grant:	1833	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1833	
Patents By Year of Application:	1833	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1833	
ADVANTEST CORP.																	
Patents By Year of Grant:	458	123	93	73	52	86	93	110	113	137	119	111	111	89	62	1830	
Patents By Year of Application:	724	63	81	100	115	123	133	123	124	91	91	37	23	1	1	1830	
SCI-MED LIFE SYSTEMS, INC.																	
Patents By Year of Grant:	650	223	312	252	139	114	59	28	17	9	14	8	4	0	0	1829	
Patents By Year of Application:	1400	209	132	48	20	5	6	4	0	3	2	0	0	0	0	1829	
TYCO ELECTRONICS CORPORATION																	
Patents By Year of Grant:	50	67	101	103	87	112	92	96	125	172	185	157	160	158	161	1826	
Patents By Year of Application:	215	129	104	87	90	90	150	178	184	168	168	141	83	38	1	1826	
ETHICON ENDO-SURGERY, INC.																	
Patents By Year of Grant:	278	34	37	15	19	46	43	77	94	196	149	173	226	218	203	1808	
Patents By Year of Application:	377	25	73	76	164	172	218	132	104	173	165	81	35	12	1	1808	
INTERDIGITAL TECHNOLOGY CORPORATION																	
Patents By Year of Grant:	138	40	54	105	106	181	137	135	158	140	146	149	125	111	82	1807	
Patents By Year of Application:	286	246	168	193	197	140	135	134	74	37	64	66	41	25	1	1807	
WESTINGHOUSE ELECTRIC CORP.																	
Patents By Year of Grant:	1798	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1799	
Patents By Year of Application:	1799	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1799	
VICTOR COMPANY OF JAPAN, LIMITED																	
Patents By Year of Grant:	799	62	65	89	76	96	109	128	115	100	82	59	11	4	0	1795	
Patents By Year of Application:	1031	58	96	100	87	99	118	95	69	27	14	1	0	0	0	1795	
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY																	
Patents By Year of Grant:	1353	45	43	40	22	22	23	17	23	38	27	37	44	29	29	1792	
Patents By Year of Application:	1457	43	32	19	20	25	34	30	32	28	32	21	16	3	0	1792	
BAXTER INTERNATIONAL INC.																	
Patents By Year of Grant:	850	56	71	50	53	63	33	27	21	53	105	95	109	113	92	1791	
Patents By Year of Application:	1035	98	62	28	36	45	83	79	57	70	97	52	46	3	0	1791	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
ALLERGAN, INC.																
Patents By Year of Grant:	532	24	41	46	36	52	55	71	61	106	133	111	196	184	139	1787
Patents By Year of Application:	623	58	70	82	66	92	107	124	120	58	111	120	121	35	0	1787
MOLEX INCORPORATED																
Patents By Year of Grant:	884	73	42	92	74	91	51	53	32	55	61	39	73	71	89	1780
Patents By Year of Application:	1016	69	93	89	81	58	56	45	67	58	45	55	33	14	1	1780
TOYODA JIDOSHOKKI SEISAKUSHO KABUSHIKI KAISHA																
Patents By Year of Grant:	738	144	131	89	34	53	66	78	57	53	40	52	59	73	98	1765
Patents By Year of Application:	1014	124	42	74	56	65	89	59	43	35	55	71	31	6	1	1765
DOW CORNING CORPORATION																
Patents By Year of Grant:	1158	51	47	47	15	16	10	22	29	48	48	60	63	76	73	1763
Patents By Year of Application:	1262	55	29	48	51	42	55	35	46	45	39	28	18	8	2	1763
HOYA CORPORATION																
Patents By Year of Grant:	251	38	48	64	48	45	55	117	201	212	185	129	141	122	85	1741
Patents By Year of Application:	373	69	98	95	174	175	180	122	130	107	84	89	33	12	0	1741
LG INNOTEK CO., LTD																
Patents By Year of Grant:	0	0	0	0	1	1	6	26	23	71	229	258	344	402	375	1736
Patents By Year of Application:	0	0	7	13	23	41	93	102	127	334	490	250	180	74	2	1736
NIPPONDENSO CO., LTD.																
Patents By Year of Grant:	1726	7	1	1	0	0	0	0	0	0	0	0	0	0	0	1735
Patents By Year of Application:	1734	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1735
KOHLER CO.																
Patents By Year of Grant:	476	42	61	71	74	115	102	109	97	100	63	91	67	136	127	1731
Patents By Year of Application:	544	61	70	114	112	108	94	99	96	69	70	95	103	80	16	1731
PACESETTER, INC.																
Patents By Year of Grant:	362	77	76	81	76	98	116	85	81	137	115	143	107	92	82	1728
Patents By Year of Application:	597	127	87	122	120	136	144	75	76	64	64	57	40	17	2	1728
ADC TELECOMMUNICATIONS, INC.																
Patents By Year of Grant:	199	75	101	97	83	85	91	143	148	156	119	111	116	103	98	1725
Patents By Year of Application:	460	101	53	65	100	126	187	148	132	107	108	84	40	13	1	1725
VIA TECHNOLOGIES, INC.																
Patents By Year of Grant:	38	42	52	116	128	188	183	163	179	144	116	81	100	113	81	1724
Patents By Year of Application:	183	190	185	211	167	234	146	79	79	75	69	52	43	10	1	1724

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
JOHNS HOPKINS UNIVERSITY																	
Patents By Year of Grant:	534	81	71	94	72	91	62	67	57	71	70	80	83	141	143	1717	
Patents By Year of Application:	806	110	123	89	49	62	73	64	65	70	83	82	30	9	2	1717	
SMITHKLINE BEECHAM CORPORATION																	
Patents By Year of Grant:	910	211	140	90	56	81	78	70	63	12	1	4	0	0	0	1716	
Patents By Year of Application:	1311	163	91	53	35	30	17	13	2	0	1	0	0	0	0	1716	
WHITAKER CORPORATION																	
Patents By Year of Grant:	1659	39	8	3	1	3	0	0	1	0	0	0	0	0	0	1714	
Patents By Year of Application:	1712	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1714	
OMRON CORPORATION																	
Patents By Year of Grant:	348	53	74	95	84	112	115	99	103	93	73	97	120	94	145	1705	
Patents By Year of Application:	525	115	131	91	92	141	105	102	80	66	125	51	58	18	5	1705	
FUJINON CORPORATION (FORMERLY FUJI PHOTO OPTICAL CO. LTD.)																	
Patents By Year of Grant:	625	126	130	125	82	95	82	81	115	115	86	25	8	4	0	1699	
Patents By Year of Application:	876	134	114	99	106	115	95	82	63	10	4	1	0	0	0	1699	
DELTA ELECTRONICS INC.																	
Patents By Year of Grant:	78	51	83	103	91	102	101	102	107	107	152	131	120	181	170	1679	
Patents By Year of Application:	198	91	152	122	105	147	122	134	92	120	141	149	85	20	1	1679	
GLOBALFOUNDRIES Inc.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	18	135	155	164	254	371	576	1673	
Patents By Year of Application:	5	9	8	21	31	44	116	95	107	173	203	285	397	160	19	1673	
NESTEC, S.A.																	
Patents By Year of Grant:	720	67	73	59	47	35	38	20	38	62	48	73	128	144	119	1671	
Patents By Year of Application:	917	73	64	61	52	51	75	75	100	96	52	27	21	6	1	1671	
FURUKAWA ELECTRIC CO., LTD.																	
Patents By Year of Grant:	471	85	134	162	100	63	45	39	54	76	78	80	81	84	94	1646	
Patents By Year of Application:	766	154	88	38	51	52	59	112	81	56	54	61	53	19	2	1646	
NSK LTD.																	
Patents By Year of Grant:	582	117	105	111	88	90	93	91	43	31	31	31	36	74	93	1616	
Patents By Year of Application:	854	138	139	104	76	52	53	20	4	20	60	73	18	5	0	1616	
NIPPON TELEGRAPH & TELEPHONE CORP.																	
Patents By Year of Grant:	669	56	65	65	52	76	64	57	64	71	65	58	95	77	80	1614	
Patents By Year of Application:	878	86	80	104	79	55	60	65	57	56	49	39	4	2	0	1614	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
WESTERN DIGITAL TECHNOLOGIES, INC.																
Patents By Year of Grant:	12	39	59	85	116	106	58	54	60	66	86	116	161	282	303	1603
Patents By Year of Application:	169	115	87	95	75	59	57	86	97	141	171	172	170	98	11	1603
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)																
Patents By Year of Grant:	601	58	59	53	24	50	38	48	51	65	100	114	127	87	124	1599
Patents By Year of Application:	735	67	59	62	64	69	95	88	94	86	97	57	19	7	0	1599
NGK SPARK PLUG CO., LTD.																
Patents By Year of Grant:	501	59	92	100	54	59	46	52	48	58	65	111	119	119	112	1595
Patents By Year of Application:	686	99	70	66	54	64	56	90	103	74	106	73	34	17	3	1595
VISTEON GLOBAL TECHNOLOGIES, INC.																
Patents By Year of Grant:	237	188	243	274	193	138	80	42	49	41	32	27	23	16	11	1594
Patents By Year of Application:	724	302	209	94	78	35	49	43	15	14	16	9	6	0	0	1594
KOMATSU LTD.																
Patents By Year of Grant:	380	92	97	68	69	70	67	41	55	72	74	80	108	142	166	1581
Patents By Year of Application:	605	82	79	90	88	80	60	80	58	42	77	158	71	11	0	1581
S. C. JOHNSON + SON, INC.																
Patents By Year of Grant:	330	54	61	54	63	62	101	97	100	83	102	120	114	123	115	1579
Patents By Year of Application:	436	78	77	75	127	100	105	67	63	132	90	115	89	17	8	1579
SHOWA DENKO KABUSHIKI KAISHA																
Patents By Year of Grant:	363	85	70	86	63	88	48	55	91	123	126	118	91	91	79	1577
Patents By Year of Application:	570	123	110	102	117	107	86	100	87	70	54	22	18	11	0	1577
AGFA-GEVAERT N.V.																
Patents By Year of Grant:	1093	104	81	71	46	65	44	17	6	6	10	5	7	7	7	1569
Patents By Year of Application:	1294	78	83	38	29	10	10	2	4	9	8	4	0	0	0	1569
CARRIER CORPORATION																
Patents By Year of Grant:	756	84	90	77	77	75	73	42	22	41	42	66	43	35	46	1569
Patents By Year of Application:	920	100	99	130	88	99	41	16	20	20	27	6	3	0	0	1569
HONEYWELL INC.																
Patents By Year of Grant:	1502	26	21	13	5	2	0	0	0	0	0	0	0	0	0	1569
Patents By Year of Application:	1563	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1569
Fujitsu Semiconductor Limited																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	192	381	290	342	259	104	1568
Patents By Year of Application:	2	0	6	16	47	120	141	262	264	212	214	164	83	35	2	1568

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	Pre																
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ZTE CORPORATION																	
Patents By Year of Grant:	0	0	0	2	1	2	1	2	7	22	34	101	273	705	417	1567	
Patents By Year of Application:	3	5	18	24	31	24	85	137	275	647	266	43	8	1	0	1567	
EASTMAN CHEMICAL COMPANY																	
Patents By Year of Grant:	710	97	78	54	37	28	56	59	68	72	79	51	50	63	64	1566	
Patents By Year of Application:	894	61	66	57	67	100	60	36	34	67	40	48	25	10	1	1566	
Panasonic Intellectual Property Management Co., Ltd.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1548	1557	
Patents By Year of Application:	0	0	0	3	4	7	11	16	47	123	283	416	387	242	18	1557	
LEAR CORPORATION																	
Patents By Year of Grant:	271	60	83	117	118	200	127	66	69	68	71	73	67	88	75	1553	
Patents By Year of Application:	421	141	182	199	115	65	68	80	51	63	78	53	29	8	0	1553	
SANDIA CORPORATION																	
Patents By Year of Grant:	447	102	89	70	49	56	66	75	63	74	62	92	95	104	108	1552	
Patents By Year of Application:	672	70	80	73	68	71	72	71	77	85	72	58	60	19	4	1552	
CADENCE DESIGN SYSTEMS, INC.																	
Patents By Year of Grant:	73	21	41	55	95	117	59	69	92	128	136	157	179	174	139	1535	
Patents By Year of Application:	216	181	85	58	76	128	139	136	100	109	96	110	64	36	1	1535	
CIBA SPECIALTY CHEMICALS CORPORATION																	
Patents By Year of Grant:	641	142	124	99	88	114	91	69	74	82	6	2	2	0	0	1534	
Patents By Year of Application:	946	183	156	97	59	47	23	13	8	2	0	0	0	0	0	1534	
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	
GILLETTE COMPANY																	
Patents By Year of Grant:	501	62	53	50	54	64	56	48	66	94	111	126	100	60	76	1521	
Patents By Year of Application:	632	56	85	68	68	47	55	63	92	100	96	79	56	22	2	1521	
SOCIETE NATIONALE D'ETUDE ET DE CONSTRUCTION DE MOTEURS D'AVIATION "S.N.E.C.M.A."																	
Patents By Year of Grant:	487	16	4	0	1	1	23	63	95	119	110	142	104	172	172	1509	
Patents By Year of Application:	507	1	4	19	102	111	124	167	168	133	102	51	15	4	1	1509	
NINTENDO CO., LTD.																	
Patents By Year of Grant:	172	62	44	30	31	46	46	58	64	104	110	148	174	234	181	1504	
Patents By Year of Application:	325	36	40	68	95	167	92	87	126	92	160	120	73	22	1	1504	

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EBARA CORPORATION																
Patents By Year of Grant:	528	123	97	97	81	80	82	57	45	42	65	44	39	46	66	1492
Patents By Year of Application:	834	99	96	83	53	41	51	54	41	31	31	20	32	25	1	1492
UNIVERSITY OF MICHIGAN																
Patents By Year of Grant:	421	48	63	67	71	69	47	66	54	78	79	97	97	118	117	1492
Patents By Year of Application:	610	90	89	63	65	66	59	84	80	99	69	63	37	17	1	1492
ROCKWELL AUTOMATION TECHNOLOGIES, INC.																
Patents By Year of Grant:	9	52	63	61	58	93	95	76	112	156	152	128	132	138	166	1491
Patents By Year of Application:	205	65	113	105	138	144	133	130	64	122	99	94	57	22	0	1491
FANUC LTD.																
Patents By Year of Grant:	859	38	27	29	49	91	93	71	47	62	68	35	9	2	1	1481
Patents By Year of Application:	945	32	66	92	101	74	57	58	28	26	1	0	0	1	0	1481
TEKTRONIX INC.																
Patents By Year of Grant:	738	61	55	58	54	38	50	52	41	44	45	69	54	60	61	1480
Patents By Year of Application:	902	61	49	59	63	56	40	37	35	45	46	57	23	6	1	1480
NTN CORPORATION																
Patents By Year of Grant:	298	52	58	58	49	69	43	41	71	94	115	150	132	114	129	1473
Patents By Year of Application:	433	73	68	105	103	124	90	119	95	69	88	77	21	8	0	1473
ADVANCED CARDIOVASCULAR SYSTEMS, INC.																
Patents By Year of Grant:	344	96	184	109	78	68	68	69	62	100	85	76	66	40	21	1466
Patents By Year of Application:	767	133	119	86	65	85	35	51	31	48	25	13	8	0	0	1466
BASF CORPORATION																
Patents By Year of Grant:	849	83	55	45	39	31	28	21	24	42	39	55	49	60	44	1464
Patents By Year of Application:	1020	52	35	38	46	40	34	34	44	36	29	29	11	9	7	1464
3COM CORPORATION																
Patents By Year of Grant:	592	196	200	182	89	83	33	34	31	22	0	0	0	0	0	1462
Patents By Year of Application:	1317	65	41	21	10	6	1	1	0	0	0	0	0	0	0	1462
PHILLIPS PETROLEUM COMPANY																
Patents By Year of Grant:	1290	82	48	15	9	11	3	2	1	0	0	0	0	0	0	1461
Patents By Year of Application:	1423	14	18	4	2	0	0	0	0	0	0	0	0	0	0	1461
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH																
Patents By Year of Grant:	218	131	139	133	121	128	96	73	54	68	28	39	55	78	99	1460
Patents By Year of Application:	521	202	181	141	48	63	41	52	45	35	42	55	25	9	0	1460

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	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
OKIDATA CORPORATION																	
Patents By Year of Grant:	156	26	26	27	33	42	55	67	49	101	126	186	189	185	175	1443	
Patents By Year of Application:	221	31	60	74	89	90	88	145	153	142	100	104	88	55	3	1443	
CALLAWAY GOLF COMPANY																	
Patents By Year of Grant:	172	96	102	72	75	133	86	95	112	71	75	73	86	118	76	1442	
Patents By Year of Application:	312	105	85	98	102	72	112	68	57	98	83	86	97	65	2	1442	
CHRYSLER MOTORS CORPORATION																	
Patents By Year of Grant:	1435	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1441	
Patents By Year of Application:	1441	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1441	
STMICROELECTRONICS, INC.																	
Patents By Year of Grant:	367	92	101	102	59	77	65	66	34	58	53	66	93	105	102	1440	
Patents By Year of Application:	688	89	81	92	40	44	38	40	72	96	39	47	54	20	0	1440	
CREE, INC.																	
Patents By Year of Grant:	22	10	20	28	34	46	42	71	71	103	136	140	221	260	235	1439	
Patents By Year of Application:	70	34	58	78	86	106	141	81	118	141	204	151	134	36	1	1439	
WARNER-LAMBERT COMPANY																	
Patents By Year of Grant:	977	80	74	75	78	77	42	13	3	8	2	0	4	3	3	1439	
Patents By Year of Application:	1148	95	76	70	21	16	4	0	0	1	2	0	3	3	0	1439	
KOITO MANUFACTURING COMPANY LIMITED																	
Patents By Year of Grant:	467	84	97	63	52	67	88	73	56	65	53	66	60	71	66	1428	
Patents By Year of Application:	633	87	78	70	98	68	64	62	74	47	47	53	37	9	1	1428	
ETHICON, INC.																	
Patents By Year of Grant:	624	70	90	62	40	65	54	23	44	47	45	48	62	90	63	1427	
Patents By Year of Application:	846	90	81	56	56	35	37	49	41	49	28	26	29	4	0	1427	
Motorola-Mobility, Inc.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	62	310	360	345	317	29	1423	
Patents By Year of Application:	8	15	20	27	48	143	219	222	215	164	161	141	35	5	0	1423	
DAIMLER-BENZ AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	1412	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1415	
Patents By Year of Application:	1415	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1415	
Warsaw Orthopedic, Inc.																	
Patents By Year of Grant:	0	0	0	0	0	6	50	52	110	191	251	210	215	171	151	1407	
Patents By Year of Application:	24	29	94	113	142	270	115	89	115	172	131	63	44	6	0	1407	

---- 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
FUJI JUKOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	541	51	85	87	45	63	48	35	40	48	43	66	58	75	116	1401
Patents By Year of Application:	694	77	76	76	52	45	48	58	39	36	48	57	54	40	1	1401
TORAY INDUSTRIES INC.																
Patents By Year of Grant:	554	65	62	44	36	33	23	35	31	43	58	89	90	98	134	1395
Patents By Year of Application:	727	68	49	46	49	58	55	65	62	63	73	56	20	4	0	1395
BRITISH TELECOMMUNICATION, PLC																
Patents By Year of Grant:	674	58	48	32	31	40	57	45	49	53	60	65	59	67	56	1394
Patents By Year of Application:	956	59	51	36	38	51	63	41	37	29	23	7	2	1	0	1394
NOVO NORDISK A/S																
Patents By Year of Grant:	868	39	56	24	29	24	20	17	19	20	38	40	59	75	66	1394
Patents By Year of Application:	1002	37	39	12	40	45	53	30	32	26	31	27	14	5	1	1394
EMERSON ELECTRIC CO.																
Patents By Year of Grant:	621	63	60	80	42	79	65	56	60	59	40	39	42	41	44	1391
Patents By Year of Application:	752	91	69	65	70	62	40	53	29	36	49	45	17	12	1	1391
MICHELIN RECHERCHE ET TECHNIQUE S.A.																
Patents By Year of Grant:	307	66	91	77	74	92	92	82	71	89	67	71	52	75	85	1391
Patents By Year of Application:	452	98	120	108	119	112	89	114	81	47	20	8	14	9	0	1391
RAMBUS, INC.																
Patents By Year of Grant:	138	43	59	64	59	102	87	69	79	70	87	133	130	106	165	1391
Patents By Year of Application:	298	59	83	113	107	66	67	98	100	90	78	103	75	41	13	1391
HAMAMATSU PHOTONICS KABUSHIKI KAISHA																
Patents By Year of Grant:	361	25	52	42	53	75	52	55	81	93	84	86	110	112	108	1389
Patents By Year of Application:	474	91	85	107	84	70	73	67	78	91	77	49	33	9	1	1389
CHEVRON U.S.A. INC.																
Patents By Year of Grant:	139	33	52	65	45	50	45	47	66	112	126	125	151	165	166	1387
Patents By Year of Application:	261	63	67	62	69	57	86	145	116	153	142	85	62	17	2	1387
ELPIDA MEMORY, INC.																
Patents By Year of Grant:	0	0	1	22	50	49	84	99	139	250	209	196	249	35	1	1384
Patents By Year of Application:	8	32	58	66	75	166	193	215	177	183	128	72	11	0	0	1384
SONY COMPUTER ENTERTAINMENT INC.																
Patents By Year of Grant:	75	84	88	96	60	99	59	80	77	131	142	165	78	92	55	1381
Patents By Year of Application:	371	86	57	99	150	149	115	51	84	74	68	38	24	15	0	1381

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
BOSCH SIEMENS HAUSGERATE GMBH																	
Patents By Year of Grant:	126	24	50	65	82	92	79	67	60	101	107	114	154	127	125	1373	
Patents By Year of Application:	176	81	143	221	107	150	96	116	99	65	56	35	20	8	0	1373	
ROCKWELL COLLINS, INC.																	
Patents By Year of Grant:	84	78	69	53	38	52	53	63	118	97	98	106	143	171	150	1373	
Patents By Year of Application:	295	52	61	81	92	106	109	107	86	97	121	105	52	7	2	1373	
COLUMBIA UNIVERSITY																	
Patents By Year of Grant:	366	46	61	52	57	54	55	55	46	82	76	78	104	119	120	1371	
Patents By Year of Application:	602	59	56	70	55	58	92	71	76	80	59	42	36	14	1	1371	
NIPPON STEEL CORP.																	
Patents By Year of Grant:	811	62	59	41	45	28	26	23	26	64	78	91	16	1	0	1371	
Patents By Year of Application:	966	77	61	49	32	31	54	29	27	22	23	0	0	0	0	1371	
SCHERING CORP.																	
Patents By Year of Grant:	583	63	64	44	58	72	68	73	98	113	72	57	1	0	0	1366	
Patents By Year of Application:	755	84	79	72	79	104	76	45	36	24	10	2	0	0	0	1366	
AISIN AW CO., LTD.																	
Patents By Year of Grant:	407	20	41	44	31	49	40	42	33	53	94	143	129	131	106	1363	
Patents By Year of Application:	484	44	63	52	54	63	57	118	107	87	103	111	19	1	0	1363	
CHENG UEI PRECISION INDUSTRY CO., LTD.																	
Patents By Year of Grant:	1	2	0	6	21	76	75	150	172	233	240	199	115	34	39	1363	
Patents By Year of Application:	3	0	8	42	56	126	135	190	208	283	202	68	27	15	0	1363	
JANSSEN PHARMACEUTICA N.V.																	
Patents By Year of Grant:	260	34	23	16	18	45	57	65	105	125	110	116	141	135	92	1342	
Patents By Year of Application:	357	33	62	57	106	108	139	92	90	94	62	51	52	39	0	1342	
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:	636	81	80	39	36	31	38	33	27	23	31	69	66	80	70	1340	
Patents By Year of Application:	818	53	65	59	34	35	46	48	53	47	35	25	13	9	0	1340	
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	
DAEWOO ELECTRONICS COMPANY, LTD.																	
Patents By Year of Grant:	1194	15	4	7	12	12	13	17	17	15	7	12	4	1	1	1331	
Patents By Year of Application:	1216	10	8	26	17	19	8	13	7	5	0	2	0	0	0	1331	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
SYNOPSYS INC.																
Patents By Year of Grant:	111	31	20	21	42	45	73	60	78	86	140	141	172	193	116	1329
Patents By Year of Application:	208	50	46	77	81	71	107	135	128	91	93	95	110	37	0	1329
AJINOMOTO COMPANY INCORPORATED																
Patents By Year of Grant:	457	64	49	66	49	60	79	64	60	75	74	66	68	41	52	1324
Patents By Year of Application:	643	96	45	76	72	67	55	64	58	47	28	39	22	12	0	1324
SANDISK CORPORATION																
Patents By Year of Grant:	104	28	35	39	65	94	142	227	255	186	123	5	11	5	3	1322
Patents By Year of Application:	196	68	77	104	194	278	212	102	54	20	6	4	5	2	0	1322
AT& T Mobility II LLC																
Patents By Year of Grant:	0	0	0	0	0	0	8	70	77	84	133	193	281	269	205	1320
Patents By Year of Application:	16	23	38	61	69	92	127	180	180	86	87	158	131	65	7	1320
STATS CHIPPAK LTD.																
Patents By Year of Grant:	0	0	0	0	3	3	17	33	52	147	218	236	256	195	156	1316
Patents By Year of Application:	0	0	0	8	43	161	142	194	163	213	205	109	63	15	0	1316
MITSUBISHI CHEMICAL CORPORATION																
Patents By Year of Grant:	611	54	56	48	32	57	47	40	33	35	45	45	60	71	80	1314
Patents By Year of Application:	744	47	41	71	86	59	46	30	25	15	40	48	46	14	2	1314
GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY, LLC																
Patents By Year of Grant:	31	174	172	189	154	140	78	88	69	61	35	27	33	30	29	1310
Patents By Year of Application:	425	270	199	99	45	55	54	52	27	27	26	15	13	3	0	1310
SHIMADZU CORPORATION																
Patents By Year of Grant:	366	47	56	35	36	64	53	44	50	61	66	106	109	112	105	1310
Patents By Year of Application:	481	40	46	70	84	97	107	104	53	46	73	55	32	20	2	1310
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
THE YOKOHAMA RUBBER CO., LTD.																
Patents By Year of Grant:	381	42	59	39	48	45	40	43	59	73	73	86	75	113	110	1286
Patents By Year of Application:	485	57	69	86	64	48	84	60	79	52	84	51	56	10	1	1286
IDEMITSU KOSAN COMPANY LIMITED																
Patents By Year of Grant:	441	34	32	26	27	34	30	36	45	76	100	83	109	111	96	1280
Patents By Year of Application:	527	54	54	51	88	82	79	91	64	56	54	51	24	5	0	1280

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	Pre	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
KAWASAKI JUKOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	240	42	52	56	75	75	59	76	64	73	46	75	98	115	134	1280	
Patents By Year of Application:	322	69	92	77	68	100	73	62	94	107	98	57	38	21	2	1280	
SPRINT SPECTRUM L.P.																	
Patents By Year of Grant:	1	0	12	18	28	78	75	72	73	93	142	170	161	162	192	1277	
Patents By Year of Application:	70	88	88	107	94	80	98	96	122	117	85	107	104	20	1	1277	
ITT MANUFACTURING ENTERPRISES, INC.																	
Patents By Year of Grant:	418	86	75	83	87	94	83	59	79	92	69	38	6	3	2	1274	
Patents By Year of Application:	635	105	95	60	108	73	89	53	30	13	12	1	0	0	0	1274	
UNIVERSITY OF PENNSYLVANIA																	
Patents By Year of Grant:	454	45	29	32	43	49	39	45	38	78	59	78	89	102	93	1273	
Patents By Year of Application:	598	62	70	53	65	63	64	66	66	56	47	31	19	12	1	1273	
CIRRUS LOGIC, INC.																	
Patents By Year of Grant:	621	84	83	44	45	40	62	43	33	44	24	26	31	25	65	1270	
Patents By Year of Application:	827	42	40	44	52	54	41	35	30	13	24	21	39	7	1	1270	
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS																	
Patents By Year of Grant:	233	34	44	35	45	53	48	44	63	85	94	93	117	122	158	1268	
Patents By Year of Application:	374	88	95	85	77	78	69	81	105	106	66	37	5	2	0	1268	
GENERAL HOSPITAL CORPORATION																	
Patents By Year of Grant:	435	50	67	40	41	49	41	50	44	63	79	84	67	79	79	1268	
Patents By Year of Application:	656	40	54	61	47	49	69	59	62	62	36	48	23	2	0	1268	
ASTRAZENECA AB																	
Patents By Year of Grant:	57	86	85	85	90	107	101	105	87	117	110	92	59	44	39	1264	
Patents By Year of Application:	335	182	156	96	74	83	80	60	55	57	31	25	19	9	2	1264	
AKZO NOBEL NV																	
Patents By Year of Grant:	637	94	109	72	56	47	32	19	18	35	32	33	33	30	11	1258	
Patents By Year of Application:	902	100	57	36	31	26	32	24	20	10	7	8	5	0	0	1258	
MARVELL WORLD TRADE LTD.																	
Patents By Year of Grant:	0	0	0	0	6	9	24	35	47	86	100	124	189	317	321	1258	
Patents By Year of Application:	0	3	18	26	36	87	95	108	95	106	141	239	194	103	7	1258	
AMERICAN CYANAMID COMPANY																	
Patents By Year of Grant:	1208	32	10	3	1	0	0	0	0	0	0	1	0	0	0	1255	
Patents By Year of Application:	1254	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1255	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
IMPERIAL CHEMICAL INDUSTRIES PLC																
Patents By Year of Grant:	1150	25	17	15	15	9	3	2	6	5	2	4	1	0	0	1254
Patents By Year of Application:	1203	25	4	6	6	3	0	6	1	0	0	0	0	0	0	1254
UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE																
Patents By Year of Grant:	602	51	63	41	29	39	26	31	27	41	56	54	57	71	61	1249
Patents By Year of Application:	747	47	43	34	35	30	42	51	45	45	51	47	27	5	0	1249
KYOCERA Document Solutions Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	46	125	375	680	1226
Patents By Year of Application:	0	0	0	0	1	5	8	16	49	58	130	194	383	344	38	1226
PPG INDUSTRIES OHIO INC.																
Patents By Year of Grant:	271	66	79	67	55	59	51	79	50	87	75	72	63	84	66	1224
Patents By Year of Application:	453	79	96	84	72	88	73	70	44	47	42	45	20	10	1	1224
MITSUI CHEMICALS, INCORPORATED																
Patents By Year of Grant:	358	105	66	72	62	42	42	31	35	54	59	75	76	64	82	1223
Patents By Year of Application:	578	96	70	58	59	62	60	57	45	49	37	34	14	4	0	1223
MASCO CORP. OF INDIANA																
Patents By Year of Grant:	314	96	27	49	34	155	37	66	46	38	50	69	137	79	24	1221
Patents By Year of Application:	428	12	78	148	34	40	71	53	44	37	71	117	44	44	0	1221
ALSTOM TECHNOLOGY LTD																
Patents By Year of Grant:	0	0	0	67	55	94	67	65	87	94	100	102	130	179	179	1219
Patents By Year of Application:	26	70	72	128	74	102	90	107	141	131	133	86	44	14	1	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
DEGUSSA AKTIENGESELLSCHAFT																
Patents By Year of Grant:	555	86	102	117	86	90	66	48	43	21	1	0	0	1	0	1216
Patents By Year of Application:	832	136	110	68	45	19	2	3	1	0	0	0	0	0	0	1216
UNI-CHARM CORPORATION																
Patents By Year of Grant:	209	80	106	77	33	59	66	53	47	74	52	77	78	72	130	1213
Patents By Year of Application:	463	69	56	71	87	57	82	66	70	85	74	19	13	1	0	1213
Daimler AG																
Patents By Year of Grant:	0	0	0	0	0	0	1	128	187	113	155	155	158	156	158	1211
Patents By Year of Application:	1	4	47	83	71	69	150	163	115	126	143	128	65	45	1	1211

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
EXXON CHEMICALS PATENTS INC.																	
Patents By Year of Grant:	1190	6	6	3	0	0	1	0	0	0	0	0	0	0	0	1206	
Patents By Year of Application:	1206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1206	
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	
FINISAR CORPORATION																	
Patents By Year of Grant:	9	6	23	46	112	130	142	144	127	135	84	81	39	65	61	1204	
Patents By Year of Application:	92	124	193	171	163	67	100	128	25	34	22	47	24	13	1	1204	
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY																	
Patents By Year of Grant:	27	53	97	92	46	49	53	56	67	101	94	96	134	135	102	1202	
Patents By Year of Application:	225	82	77	65	94	79	101	90	83	80	105	75	39	7	0	1202	
WEATHERFORD/LAMB, INC.																	
Patents By Year of Grant:	109	60	73	105	96	154	97	78	52	82	76	59	56	77	19	1193	
Patents By Year of Application:	305	131	156	112	84	74	68	51	58	58	47	27	17	5	0	1193	
HITACHI DISPLAYS, LTD.																	
Patents By Year of Grant:	0	0	0	2	13	50	69	91	98	183	233	244	199	10	0	1192	
Patents By Year of Application:	2	2	64	101	97	129	177	204	164	113	94	41	4	0	0	1192	
AVERY DENNISON CORPORATION																	
Patents By Year of Grant:	434	67	75	56	44	40	51	38	43	53	53	62	49	69	51	1185	
Patents By Year of Application:	618	66	43	55	58	47	59	45	35	42	61	25	21	10	0	1185	
BATTELLE MEMORIAL INSTITUTE																	
Patents By Year of Grant:	331	43	71	75	61	68	43	42	51	60	68	62	62	79	66	1182	
Patents By Year of Application:	517	84	88	52	55	66	44	43	66	43	42	43	26	12	1	1182	
CORNELL RESEARCH FOUNDATION INC.																	
Patents By Year of Grant:	547	36	61	40	41	66	56	51	53	74	51	33	33	18	21	1181	
Patents By Year of Application:	720	65	49	54	72	76	49	28	21	18	9	8	8	4	0	1181	
TOSHIBA TEC KABUSHIKI KAISHA																	
Patents By Year of Grant:	149	134	96	40	24	54	58	63	48	75	71	57	106	98	103	1176	
Patents By Year of Application:	400	49	43	54	60	68	70	41	49	87	85	79	52	39	0	1176	
OSRAM SYLVANIA INC.																	
Patents By Year of Grant:	337	35	47	59	44	69	75	48	47	69	69	55	76	73	70	1173	
Patents By Year of Application:	426	56	46	79	84	62	55	55	48	56	75	59	56	16	0	1173	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
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
INTERNATIONAL RECTIFIER CORPORATION																
Patents By Year of Grant:	199	43	51	60	76	61	77	92	91	58	78	61	76	76	71	1170
Patents By Year of Application:	297	66	96	84	118	112	109	88	28	20	65	26	44	17	0	1170
WYETH																
Patents By Year of Grant:	0	53	84	87	58	112	119	138	155	150	59	48	45	36	25	1169
Patents By Year of Application:	145	147	151	132	127	150	121	49	49	26	22	26	18	5	1	1169
TYCO HEALTHCARE GROUP LP																
Patents By Year of Grant:	4	7	11	17	16	23	45	51	75	166	291	455	5	0	0	1166
Patents By Year of Application:	44	30	69	43	77	112	155	162	234	149	85	6	0	0	0	1166
MITSUMI ELECTRIC CO., LTD.																
Patents By Year of Grant:	276	50	89	73	47	92	72	78	74	50	49	52	53	64	45	1164
Patents By Year of Application:	399	101	46	89	95	69	85	75	64	32	56	31	16	6	0	1164
PALO ALTO RESEARCH CENTER INCORPORATED																
Patents By Year of Grant:	0	0	1	2	15	53	63	78	79	160	143	157	146	140	127	1164
Patents By Year of Application:	2	32	84	120	98	107	113	120	129	118	87	87	49	18	0	1164
MATSUSHITA ELECTRIC WORKS, LTD.																
Patents By Year of Grant:	533	54	66	68	82	102	98	104	40	12	1	1	1	0	0	1162
Patents By Year of Application:	689	90	79	109	86	52	52	5	0	0	0	0	0	0	0	1162
HILTI AKTIENGESELLSCHAFT																
Patents By Year of Grant:	335	59	86	75	65	77	45	47	43	51	58	42	53	61	60	1157
Patents By Year of Application:	478	92	83	77	53	54	58	65	45	31	55	45	14	6	1	1157
FRANCE TELECOM																
Patents By Year of Grant:	380	25	29	37	20	31	44	44	53	85	74	93	119	64	51	1149
Patents By Year of Application:	524	60	50	84	74	87	95	59	44	41	23	6	2	0	0	1149
OTIS ELEVATOR COMPANY																
Patents By Year of Grant:	669	68	33	25	15	19	16	24	37	36	34	52	35	47	36	1146
Patents By Year of Application:	791	35	60	51	46	33	28	37	32	14	8	10	1	0	0	1146
MATTEL INC.																
Patents By Year of Grant:	258	53	118	65	48	58	59	38	58	55	62	83	73	55	62	1145
Patents By Year of Application:	361	133	72	71	64	82	67	40	56	60	65	37	25	12	0	1145

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
PRAXAIR TECHNOLOGY, INC.																	
Patents By Year of Grant:	531	72	72	40	27	35	43	35	35	44	40	47	50	31	41	1143	
Patents By Year of Application:	657	68	53	39	46	50	41	43	35	28	29	26	20	8	0	1143	
NORTHERN TELECOM LIMITED																	
Patents By Year of Grant:	1125	11	2	1	0	0	0	0	0	0	0	0	0	0	0	1139	
Patents By Year of Application:	1139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1139	
KYOCERA MITA CORPORATION																	
Patents By Year of Grant:	49	25	17	22	10	31	36	105	149	187	173	151	121	49	11	1136	
Patents By Year of Application:	98	20	30	30	108	169	171	174	141	97	81	15	1	1	0	1136	
Schaeffler Technologies AG & Co. KG																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	23	99	221	270	274	249	1136	
Patents By Year of Application:	0	1	2	1	15	42	104	163	150	172	200	147	106	33	0	1136	
Alcatel-Lucent USA Inc.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	29	414	459	227	4	0	0	0	1133	
Patents By Year of Application:	39	44	139	207	253	230	125	54	30	12	0	0	0	0	0	1133	
EXXON RESEARCH + ENGINEERING CO.																	
Patents By Year of Grant:	1121	10	1	1	0	0	0	0	0	0	0	0	0	0	0	1133	
Patents By Year of Application:	1133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1133	
JTEKT Corporation																	
Patents By Year of Grant:	0	0	0	0	0	3	39	62	97	120	127	150	160	194	178	1130	
Patents By Year of Application:	0	5	21	48	92	101	149	151	125	79	92	104	116	42	5	1130	
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	
DANA CORPORATION																	
Patents By Year of Grant:	740	77	70	86	56	49	34	12	0	0	0	0	0	0	0	1124	
Patents By Year of Application:	922	77	77	22	24	2	0	0	0	0	0	0	0	0	0	1124	
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	
UNIVERSITY OF ILLINOIS																	
Patents By Year of Grant:	201	33	39	58	34	51	45	47	67	85	90	86	96	92	95	1119	
Patents By Year of Application:	328	59	63	62	69	62	90	85	77	65	63	44	38	14	0	1119	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
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
SONY ERICSSON MOBILE COMMUNICATIONS AB																
Patents By Year of Grant:	0	0	4	12	21	48	64	82	168	236	265	180	26	0	1	1107
Patents By Year of Application:	3	38	88	126	121	227	186	162	93	43	17	3	0	0	0	1107
REALTEK SEMICONDUCTOR CORPORATION																
Patents By Year of Grant:	8	3	6	11	23	50	76	64	123	108	104	137	132	122	138	1105
Patents By Year of Application:	24	26	46	88	108	109	160	100	113	68	85	80	57	39	2	1105
ATMEL CORPORATION																
Patents By Year of Grant:	127	14	17	33	25	45	82	80	72	91	81	94	104	111	128	1104
Patents By Year of Application:	157	24	48	58	111	149	88	67	96	62	88	95	47	14	0	1104
WINBOND ELECTRONICS CORP.																
Patents By Year of Grant:	478	122	82	99	63	63	47	26	14	9	14	10	12	19	43	1101
Patents By Year of Application:	720	114	64	47	29	17	15	7	10	7	18	15	20	17	1	1101
HITACHI METALS LTD.																
Patents By Year of Grant:	399	30	27	24	24	23	17	25	38	53	61	71	41	133	134	1100
Patents By Year of Application:	471	31	25	41	48	49	78	52	55	57	60	54	63	16	0	1100
W. R. GRACE & CO.-CONN.																
Patents By Year of Grant:	870	28	23	23	24	16	10	8	7	10	18	18	11	19	13	1098
Patents By Year of Application:	930	31	27	16	12	12	8	9	10	11	20	4	7	1	0	1098
VLSI TECHNOLOGY, INC.																
Patents By Year of Grant:	1064	27	0	0	0	0	0	0	0	0	0	0	0	0	0	1091
Patents By Year of Application:	1091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1091
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK																
Patents By Year of Grant:	426	54	34	37	25	42	36	40	57	61	43	46	60	66	62	1089
Patents By Year of Application:	563	45	48	46	50	59	52	43	42	38	47	29	16	9	2	1089
SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC																
Patents By Year of Grant:	28	52	28	38	29	40	40	37	62	77	100	127	90	159	181	1088
Patents By Year of Application:	110	39	47	52	69	77	80	112	78	107	101	112	70	34	0	1088
AMGEN, INC.																
Patents By Year of Grant:	240	26	27	22	37	61	47	58	67	99	106	81	85	77	54	1087
Patents By Year of Application:	369	45	50	53	74	70	72	92	56	55	68	48	20	15	0	1087

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	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:	186	62	82	101	110	129	76	41	42	45	28	39	34	44	64	1083	
Patents By Year of Application:	341	112	155	109	80	37	31	46	21	26	37	57	28	3	0	1083	
SHINKO ELECTRIC INDUSTRIES CO., LTD.																	
Patents By Year of Grant:	134	38	44	39	30	47	57	54	61	111	104	105	91	79	87	1081	
Patents By Year of Application:	223	41	47	59	79	83	83	102	81	92	56	60	56	16	3	1081	
ROCHE DIAGNOSTICS OPERATIONS, INC.																	
Patents By Year of Grant:	0	0	0	8	19	24	50	43	69	116	137	151	174	185	101	1077	
Patents By Year of Application:	31	33	56	72	68	82	103	125	126	122	104	87	50	14	4	1077	
KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY																	
Patents By Year of Grant:	301	49	41	58	33	48	37	24	34	44	48	70	65	114	105	1071	
Patents By Year of Application:	412	77	42	47	34	53	42	52	67	62	59	58	55	11	0	1071	
HUBBELL INCORPORATED																	
Patents By Year of Grant:	404	52	40	36	22	35	39	40	40	50	46	49	74	79	64	1070	
Patents By Year of Application:	503	39	30	39	29	46	37	60	53	59	56	65	38	14	2	1070	
TRIMBLE NAVIGATION, LTD.																	
Patents By Year of Grant:	427	50	43	35	22	29	40	26	42	35	54	55	67	69	76	1070	
Patents By Year of Application:	544	21	43	36	41	45	48	55	48	41	55	48	38	7	0	1070	
UNIVERSITY OF WASHINGTON																	
Patents By Year of Grant:	318	41	37	31	32	38	39	42	52	74	45	70	84	74	93	1070	
Patents By Year of Application:	450	29	38	61	66	43	64	56	69	53	55	46	27	13	0	1070	
BANK OF AMERICA CORPORATION																	
Patents By Year of Grant:	1	17	4	6	2	5	7	2	18	27	78	169	263	239	231	1069	
Patents By Year of Application:	24	10	21	23	18	28	66	139	128	173	151	179	78	27	4	1069	
IBIDEN CO., LTD.																	
Patents By Year of Grant:	105	23	25	24	35	22	15	49	61	111	138	142	121	110	88	1069	
Patents By Year of Application:	189	38	31	34	57	94	88	130	113	91	103	60	26	15	0	1069	
TOKAI RIKI DENKI SEISAKUSHO K.K.																	
Patents By Year of Grant:	379	50	69	57	39	54	47	31	45	47	37	37	51	51	75	1069	
Patents By Year of Application:	509	64	62	47	50	46	45	39	33	27	62	43	37	5	0	1069	
PENTAX CORPORATION																	
Patents By Year of Grant:	0	12	218	219	196	186	132	86	15	2	0	0	1	0	0	1067	
Patents By Year of Application:	328	192	186	153	108	51	39	9	0	1	0	0	0	0	0	1067	

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
JAPAN AVIATION ELECTRONICS INDUSTRY LTD.																	
Patents By Year of Grant:	146	37	47	50	79	68	64	49	53	60	55	45	75	97	112	1037	
Patents By Year of Application:	220	34	77	79	68	50	47	59	56	70	64	80	79	50	4	1037	
MONSANTO COMPANY, INC.																	
Patents By Year of Grant:	996	11	11	6	4	2	0	1	0	0	2	1	0	0	0	1034	
Patents By Year of Application:	1025	5	1	0	0	0	0	0	2	1	0	0	0	0	0	1034	
FAIRCHILD SEMICONDUCTOR CORPORATION																	
Patents By Year of Grant:	60	54	45	62	47	47	22	42	73	107	109	105	87	99	74	1033	
Patents By Year of Application:	181	55	60	40	45	58	71	125	85	90	103	69	48	3	0	1033	
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	
TAKEDA CHEMICAL INDUSTRIES LTD.																	
Patents By Year of Grant:	849	64	46	39	18	10	2	3	1	0	0	0	0	0	0	1032	
Patents By Year of Application:	974	45	9	2	1	1	0	0	0	0	0	0	0	0	0	1032	
ISIS PHARMACEUTICALS, INC.																	
Patents By Year of Grant:	425	110	65	57	45	28	30	19	17	38	30	44	34	43	45	1030	
Patents By Year of Application:	669	70	31	40	21	21	29	25	22	24	28	26	13	10	1	1030	
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	
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC.																	
Patents By Year of Grant:	6	52	43	72	57	56	76	40	64	53	101	89	86	117	113	1025	
Patents By Year of Application:	111	93	85	72	77	60	32	80	106	50	81	105	55	13	5	1025	
BRIDGESTONE SPORTS CO., LTD.																	
Patents By Year of Grant:	227	46	61	51	38	66	68	56	76	69	63	55	47	66	35	1024	
Patents By Year of Application:	345	57	51	64	81	76	79	46	71	55	49	32	16	2	0	1024	
EBAY INC.																	
Patents By Year of Grant:	1	2	2	3	2	9	6	19	23	81	110	139	206	240	181	1024	
Patents By Year of Application:	54	17	27	47	29	69	94	81	86	120	135	158	74	27	6	1024	
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	

---- 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
FMC CORPORATION																
Patents By Year of Grant:	814	47	17	17	10	6	4	3	10	17	15	21	11	12	16	1020
Patents By Year of Application:	892	18	8	12	15	13	12	10	4	16	6	10	1	3	0	1020
NORDSON CORPORATION																
Patents By Year of Grant:	395	53	42	51	45	51	29	27	25	43	33	57	60	49	59	1019
Patents By Year of Application:	510	65	49	51	39	21	40	30	36	40	38	52	34	12	2	1019
BELLSOUTH INTELLECTUAL PROPERTY CORPORATION																
Patents By Year of Grant:	57	61	90	185	191	309	118	3	1	1	2	0	0	0	0	1018
Patents By Year of Application:	550	242	136	67	16	7	0	0	0	0	0	0	0	0	0	1018
TERUMO KABUSHIKI KAISHA (TERUMO CORPORATION)																
Patents By Year of Grant:	442	23	21	20	11	19	25	20	30	47	53	75	85	67	80	1018
Patents By Year of Application:	505	25	37	33	38	42	50	53	44	47	44	53	30	17	0	1018
WOLVERINE WORLD WIDE INC.																
Patents By Year of Grant:	114	28	47	57	97	83	169	256	120	18	7	8	5	6	3	1018
Patents By Year of Application:	148	45	77	148	110	161	197	81	28	11	4	1	7	0	0	1018
UNITED STATES SURGICAL CORPORATION																
Patents By Year of Grant:	926	17	16	14	9	14	10	6	2	2	0	1	0	0	0	1017
Patents By Year of Application:	975	11	12	4	7	3	3	1	0	1	0	0	0	0	0	1017
DAIMLERCHRYSLER CORPORATION																
Patents By Year of Grant:	406	161	75	110	90	100	71	0	0	0	0	0	0	0	0	1013
Patents By Year of Application:	644	92	122	79	53	22	1	0	0	0	0	0	0	0	0	1013
EVEREADY BATTERY COMPANY, INC.																
Patents By Year of Grant:	246	31	36	37	34	41	69	78	83	101	71	49	54	49	27	1006
Patents By Year of Application:	318	31	60	59	35	75	95	80	67	47	67	49	19	4	0	1006
HARVARD COLLEGE, PRESIDENT AND FELLOWS																
Patents By Year of Grant:	280	48	40	41	26	34	43	43	34	48	56	52	69	83	106	1003
Patents By Year of Application:	438	46	38	42	39	58	41	58	64	51	55	31	28	14	0	1003
ALCOA INC.																
Patents By Year of Grant:	561	38	42	42	31	32	43	32	13	24	28	32	28	29	27	1002
Patents By Year of Application:	647	44	50	21	30	34	38	21	20	35	24	17	15	5	1	1002
OLYMPUS MEDICAL SYSTEMS CORP.																
Patents By Year of Grant:	0	0	0	0	0	0	5	8	12	59	113	218	241	243	102	1001
Patents By Year of Application:	0	0	0	0	10	107	119	189	110	87	105	126	123	25	0	1001
Other Organizations (262183)																
Patents By Year of Grant:	685760	83625	83757	79936	69240	85980	80778	81230	83277	108383	110957	126371	140357	153610	158852	2132113
Patents By Year of Application:	903504	104208	100865	97361	97571	101376	105925	104795	102710	107576	106594	96262	70674	30061	2631	2132113