

# ALL PATENTS, ALL TYPES

JANUARY 1988 -- DECEMBER 2012



March 2013  
U.S. PATENT AND TRADEMARK OFFICE  
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*A PATENT TECHNOLOGY MONITORING TEAM REPORT*

## All Patents, All Types Report 1/1988 - 12/31/2012 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, 1988** and **December 31, 2012**. 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 in the "**Pre 1999**" column correspond to the period **prior to 1999**.

#### **Part B**

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since **1988**. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

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

Since the average time period between filing for a (utility) patent and the issuing of the patent (i.e., a patent's "pendency") is now about **32** months, the patented application data for the most recent years are incomplete.\* This is because the patents included in this report are limited to those **granted** during the specified time period. However, a significant number of the applications filed during the most recent years of this time period were still pending at the end of the period. While many of these applications eventually will be patented, they will not be patented until sometime following the end of the period displayed in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity, since such fluctuations would for the most part be immune from changes in PTO processing such as occurred in 1986 and 2005 when the PTO issued fewer patents than would normally have been expected due to administrative reasons. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc. Patent data in the "**Pre 1999**" column correspond to the period **prior to 1999**.

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### Parts of the Report

**Parts A1 and A2** present tables which show, by number and percent, the patent activity. 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** reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. and Foreign Corporation ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in these categories. While U.S. Government patent ownership includes only patents granted to the Federal Government, no similar distinction is made for Foreign Government patents.

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

**Part B** is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received **1000** or more U.S. patents since **1988**. 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 the year in which the patented applications were filed. Information on 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.

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\* For example, in a report profiling utility patents granted through December 2012, patent grant data, as distributed by year of application are approximately 95% complete for utility patent applications filed in 2004, 89% complete for applications filed in 2005, 80% complete for applications filed in 2006, 67% complete for applications filed in 2007, 49% complete for applications filed in 2008, 36% complete for applications filed in 2009, and 19% complete for applications filed in 2010; data are essentially complete for applications filed prior to 2004. About 90% of all patent documents granted by USPTO (i.e., including utility, design, plant, and reissue patents, statutory invention registrations, and defensive publications) are utility patent grants.

## Part A1

Patent Grants as Distributed By Year of Patent Grant

	----	Patents	Granted	By	Date	Of	Patent	Grant	(Granted: Jan 01, 1988 - Dec 31, 2012)						----		
	NUMBER OF PATENTS																
	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Total	
Total	1247405	169145	176083	184046	184424	187048	181319	157741	196437	182928	185244	191933	244358	247728	276796	4012635	
U.S. Origin	689159	94090	97011	98655	97125	98590	94128	82586	102267	93690	92001	95038	121178	121257	134194	2110969	
Foreign Origin	558246	75055	79072	85391	87299	88458	87191	75155	94170	89238	93243	96895	123180	126471	142602	1901666	
JAPAN	254571	32514	32922	34890	36339	37248	37032	31834	39411	35941	36679	38066	46977	48256	52773	795453	
GERMANY	84659	9895	10824	11894	11957	12140	11367	9575	10889	10012	10085	10352	13633	12967	15041	245290	
TAIWAN	18666	4526	5809	6545	6730	6676	7207	5993	7920	7491	7779	7781	9636	9907	11624	124290	
KOREA, SOUTH	11605	3679	3472	3763	4009	4132	4671	4591	6509	7264	8730	9566	12508	13239	14168	111906	
FRANCE	35074	4097	4173	4456	4421	4126	3686	3106	3856	3720	3813	3805	5100	5023	5857	94313	
UNITED KINGDOM	31697	3884	4081	4344	4187	4025	3891	3551	4321	4027	3832	4004	5029	4910	5876	91659	
CANADA	26426	3678	3925	4063	3857	3894	3781	3177	4094	3970	4125	4393	5513	5756	6459	87111	
ITALY	15609	1686	1967	1978	1962	2022	1946	1591	1899	1836	1916	1837	2254	2333	2546	43382	
SWITZERLAND	14181	1390	1458	1557	1532	1433	1405	1106	1388	1280	1403	1454	1889	1865	2039	35380	
NETHERLANDS	11156	1396	1410	1494	1681	1570	1537	1200	1647	1596	1725	1558	1920	2048	2193	34131	
SWEDEN	10003	1542	1738	1933	1824	1629	1388	1189	1360	1278	1260	1231	1594	1863	2264	32096	
AUSTRALIA	6203	832	860	1032	992	1049	1093	1032	1538	1545	1613	1550	2079	2215	1786	25419	
ISRAEL	4670	792	836	1031	1108	1260	1092	976	1325	1219	1312	1525	1917	2108	2598	23769	
CHINA, PEOPLE'S REPUB	607	99	161	265	391	424	596	565	970	1235	1874	2270	3303	3786	5341	21887	
FINLAND	4118	695	649	769	856	944	954	751	1005	943	908	997	1232	1023	1138	16982	
BELGIUM	4814	718	756	796	801	727	678	577	720	624	605	707	896	958	1004	15381	
AUSTRIA	4180	505	537	632	559	639	575	492	626	554	575	767	905	927	987	13460	
DENMARK	3387	588	509	556	559	611	530	473	546	511	566	537	766	840	978	11957	
CHINA,HONG KONG S.A.R	2288	413	545	621	588	681	642	596	753	756	717	587	716	658	739	11300	
INDIA	375	114	131	180	267	356	376	403	506	578	672	720	1137	1259	1734	8808	
SPAIN	1974	265	318	340	358	358	312	318	381	363	418	403	492	565	728	7593	
SINGAPORE	603	152	242	304	421	460	485	377	469	451	450	493	633	696	841	7077	
NORWAY	1571	246	266	282	261	279	255	242	272	286	297	292	448	412	474	5883	
RUSSIAN FEDERATION	564	185	185	239	203	203	173	154	176	193	181	204	287	307	339	3593	
IRELAND	667	100	137	164	142	182	197	169	198	161	188	189	275	319	358	3446	
NEW ZEALAND	817	134	136	160	173	165	192	143	173	165	169	198	232	255	293	3405	
SOUTH AFRICA	1283	127	125	137	123	131	115	108	127	116	124	139	142	144	158	3099	
BRAZIL	644	98	113	125	112	180	161	98	148	118	133	148	219	254	256	2807	
MEXICO	534	94	100	87	105	93	102	95	88	90	77	80	115	117	153	1930	
MALAYSIA	165	34	47	56	62	63	93	98	131	173	168	181	224	181	219	1895	
HUNGARY	773	39	38	61	48	72	52	48	49	55	72	48	98	111	113	1677	
LUXEMBOURG	416	35	55	48	52	53	55	49	49	66	35	56	44	47	49	1109	
ARGENTINA	312	46	63	58	58	70	50	29	47	53	42	50	59	51	67	1055	
U.S.S.R.	847	3	1		1											852	
CZECH REPUBLIC	38	25	51	30	31	44	32	28	37	41	56	50	81	97	133	774	
THAILAND	91	29	30	47	61	47	28	25	42	25	40	39	60	73	46	683	
Others ( 137 )	2658	400	402	454	468	472	442	396	500	502	604	618	767	901	1230	10814	
Ownership:																	
U.S. Corporations	526614	75932	78824	82078	81110	82804	79999	70942	88179	81126	80981	84195	107344	108951	121377	1750456	
U.S. Government	11992	1000	960	985	945	891	859	713	815	739	693	710	937	927	1003	24169	
U.S. Individuals	177728	20541	20352	18840	17497	16901	15182	12785	15256	13774	13068	12703	16059	14873	16126	401685	
Foreign Corporations	466553	64226	68058	74029	76855	78686	78571	67952	85840	81532	85164	89192	113766	117210	131785	1679419	
Foreign Government	4064	164	108	97	115	89	81	58	60	76	37	109	188	174	256	5676	
Foreign Individuals	60454	7282	7781	8017	7902	7677	6627	5291	6287	5681	5301	5024	6064	5593	6249	151230	

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1988 - Dec 31, 2012) ----

----- PERCENT OF PATENTS -----

Pre 1999 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 Total

Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	55	56	55	54	53	53	52	52	52	51	50	50	50	49	48
Foreign Origin	45	44	45	46	47	47	48	48	48	49	50	50	50	51	52
JAPAN	20	19	19	19	20	20	20	20	20	20	20	20	19	19	19
GERMANY	7	6	6	6	6	6	6	6	6	5	5	5	6	5	5
TAIWAN	1	3	3	4	4	4	4	4	4	4	4	4	4	4	4
KOREA, SOUTH	1	2	2	2	2	2	3	3	3	4	5	5	5	5	5
FRANCE	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
UNITED KINGDOM	3	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
ITALY	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
NETHERLANDS	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
AUSTRALIA				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
CHINA, PEOPLE'S REPUB										1	1	1	1	2	2
FINLAND						1	1		1		1	1			
BELGIUM															
AUSTRIA															
DENMARK															
CHINA,HONG KONG S.A.R															
INDIA													1	1	
SPAIN															
SINGAPORE															
NORWAY															
RUSSIAN FEDERATION															
IRELAND															
NEW ZEALAND															
SOUTH AFRICA															
BRAZIL															
MEXICO															
MALAYSIA															
HUNGARY															
LUXEMBOURG															
ARGENTINA															
U.S.S.R.															
CZECH REPUBLIC															
THAILAND															
Others ( 137 )															

## Ownership:

U.S. Corporations	42	45	45	45	44	44	44	45	45	44	44	44	44	44	44
U.S. Government	1	1	1	1	1										
U.S. Individuals	14	12	12	10	9	9	8	8	8	8	7	7	7	6	6
Foreign Corporations	37	38	39	40	42	42	43	43	44	45	46	46	47	47	48
Foreign Government															
Foreign Individuals	5	4	4	4	4	4	4	3	3	3	3	3	2	2	2

## Part A2

Patent Grants as Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1988 - Dec 31, 2012) ----

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 Pre 1999 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 Total

Total	1637879	195976	211804	223590	229110	222666	217020	215132	209954	202045	177065	134274	88055	42335	5730	4012635
U.S. Origin	904905	106732	113465	114966	116567	113842	108709	106153	100992	98660	85612	66893	46004	23859	3610	2110969
Foreign Origin	732974	89244	98339	108624	112543	108824	108311	108979	108962	103385	91453	67381	42051	18476	2120	1901666

JAPAN	332423	35661	40591	45030	43774	43255	43153	45040	43037	40454	35864	25673	14879	5954	665	795453
GERMANY	107120	12761	13637	14992	16084	13976	12806	12192	11573	10843	8677	5613	3249	1589	178	245290
TAIWAN	26677	6681	6251	7222	8330	8648	8835	8412	8925	8939	9020	8357	5712	2042	239	124290
KOREA, SOUTH	19969	3839	4450	5039	6270	7481	9161	10298	11780	10890	9408	7109	4092	1903	217	111906
FRANCE	44463	4781	5179	5218	5386	4925	4390	4390	4340	4071	3184	2077	1309	534	66	94313
UNITED KINGDOM	41395	4790	5001	5571	5750	5146	4453	4117	3796	3792	3336	2127	1505	777	103	91659
CANADA	35029	4308	4602	4634	4862	4673	4704	4531	4630	4455	3933	3142	2275	1196	137	87111
ITALY	19370	2021	2154	2444	2565	2529	2268	2182	2096	1900	1530	1144	742	390	47	43382
SWITZERLAND	17275	1592	1736	1888	1928	1731	1576	1532	1619	1534	1253	856	576	252	32	35380
NETHERLANDS	14472	1586	1801	2037	2132	2075	2265	1800	1749	1457	1138	744	580	276	19	34131
SWEDEN	14080	1973	2083	2078	2010	1662	1468	1450	1656	1374	1001	614	385	232	30	32096
AUSTRALIA	8373	1070	1339	1361	1653	1563	1943	1640	1405	1480	1510	1003	698	357	24	25419
ISRAEL	6784	1322	1511	1683	1621	1381	1429	1614	1658	1588	1352	974	549	286	17	23769
CHINA, PEOPLE'S REPUB	849	229	396	610	792	952	1443	1752	2550	2817	3238	3008	2088	997	166	21887
FINLAND	5882	1043	1279	1432	1370	1148	1090	915	862	677	635	339	195	105	10	16982
BELGIUM	6535	855	865	910	952	918	752	800	801	656	505	356	268	192	16	15381
AUSTRIA	5306	619	652	738	908	762	699	642	701	736	741	445	326	169	16	13460
DENMARK	4660	631	630	819	775	713	651	605	625	548	469	435	249	132	15	11957
CHINA,HONG KONG S.A.R	2965	559	620	769	766	808	844	776	668	720	599	561	429	194	22	11300
INDIA	651	206	343	502	700	807	771	786	889	1001	1025	641	338	132	16	8808
SPAIN	2589	323	391	494	481	489	434	518	471	455	362	257	211	110	8	7593
SINGAPORE	1059	380	480	542	606	521	606	567	607	542	480	339	253	87	8	7077
NORWAY	2104	328	345	401	456	369	349	356	347	305	239	143	96	34	11	5883
RUSSIAN FEDERATION	992	256	253	272	247	251	197	207	248	213	194	137	72	47	7	3593
IRELAND	987	147	220	230	286	216	210	259	216	220	177	153	80	41	4	3446
NEW ZEALAND	1136	150	217	244	240	270	196	172	176	173	167	112	102	48	2	3405
SOUTH AFRICA	1556	144	142	183	176	148	163	121	127	122	84	59	55	19		3099
BRAZIL	864	128	139	156	224	208	188	136	149	178	164	129	77	63	4	2807
MEXICO	735	101	107	129	97	129	94	106	115	70	106	49	56	34	2	1930
MALAYSIA	245	59	70	99	99	171	206	179	190	193	168	113	80	22	1	1895
HUNGARY	875	58	76	74	105	73	68	92	57	80	53	30	22	12	2	1677
LUXEMBOURG	497	48	57	66	77	62	59	52	61	39	47	21	10	7	6	1109
ARGENTINA	428	52	70	82	56	50	60	42	58	47	53	28	21	8		1055
U.S.S.R.	852															852
CZECH REPUBLIC	115	34	37	58	42	51	55	52	67	68	76	72	32	10	5	774
THAILAND	141	40	77	43	52	29	30	45	42	47	52	41	22	22		683
Others ( 137 )	3521	469	538	574	671	634	695	601	671	701	613	480	418	203	25	10814

## Ownership:

U.S. Corporations	708811	89104	95928	98932	100299	98380	94296	93259	89552	86990	76441	57221	38522	19835	2886	1750456
U.S. Government	14441	869	1017	1057	1013	938	871	857	706	702	618	616	326	119	19	24169
U.S. Individuals	215567	19536	19363	17925	18327	17332	15822	14740	13456	13368	12067	10739	8172	4537	734	401685
Foreign Corporations	620492	78200	86810	96908	100526	98281	99403	100230	100577	95709	83594	61934	38318	16516	1921	1679419
Foreign Government	4370	113	136	103	115	106	123	106	131	127	112	84	38	12		5676
Foreign Individuals	74198	8154	8550	8665	8830	7629	6505	5940	5532	5149	4233	3680	2679	1316	170	151230

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1988 - Dec 31, 2012) ----

----- PERCENT OF PATENTED APPLICATIONS -----

Pre 1999 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 Total

Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	55	54	54	51	51	51	50	49	48	49	48	50	52	56	63	53
Foreign Origin	45	46	46	49	49	49	50	51	52	51	52	50	48	44	37	47
JAPAN	20	18	19	20	19	19	20	21	20	20	20	19	17	14	12	20
GERMANY	7	7	6	7	7	6	6	6	6	5	5	4	4	4	3	6
TAIWAN	2	3	3	3	4	4	4	4	4	4	5	6	6	5	4	3
KOREA, SOUTH	1	2	2	2	3	3	4	5	6	5	5	5	5	4	4	3
FRANCE	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
UNITED KINGDOM	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2
CANADA	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
ITALY	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
NETHERLANDS	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
AUSTRALIA	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
CHINA, PEOPLE'S REPUB							1	1	1	1	2	2	2	2	3	1
FINLAND		1	1	1	1	1	1									0
BELGIUM																0
AUSTRIA																0
DENMARK																0
CHINA,HONG KONG S.A.R																0
INDIA											1					0
SPAIN																0
SINGAPORE																0
NORWAY																0
RUSSIAN FEDERATION																0
IRELAND																0
NEW ZEALAND																0
SOUTH AFRICA																0
BRAZIL																0
MEXICO																0
MALAYSIA																0
HUNGARY																0
LUXEMBOURG																0
ARGENTINA																0
U.S.S.R.																0
CZECH REPUBLIC																0
THAILAND																0
Others ( 137 )																0

## Ownership:

U.S. Corporations	43	45	45	44	44	44	43	43	43	43	43	43	44	47	50	44
U.S. Government	1															1
U.S. Individuals	13	10	9	8	8	8	7	7	6	7	7	8	9	11	13	10
Foreign Corporations	38	40	41	43	44	44	46	47	48	47	47	46	44	39	34	42
Foreign Government																0
Foreign Individuals	5	4	4	4	4	3	3	3	3	3	2	3	3	3	3	4



## 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, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
INTERNATIONAL BUSINESS MACHINES CORPORATION																
Patents By Year of Grant:	13820	2778	2905	3429	3297	3438	3253	2950	3635	3134	4182	4888	5867	6151	6459	70186
Patents By Year of Application:	22403	4404	4387	4069	3581	4002	3771	3753	3731	5339	7099	2350	937	296	64	70186
SAMSUNG ELECTRONICS CO., LTD.																
Patents By Year of Grant:	4116	1557	1449	1449	1340	1316	1617	1724	2719	3352	4276	4071	4920	5208	5438	44552
Patents By Year of Application:	7940	1489	1371	1625	2050	3039	3800	4322	5247	4914	3830	2595	1525	731	74	44552
CANON KABUSHIKI KAISHA																
Patents By Year of Grant:	13332	1864	1971	1976	1951	2051	1843	1840	2387	2000	2126	2212	2566	2839	3181	44139
Patents By Year of Application:	19474	2020	1922	2156	1915	2230	2213	2707	2234	2301	2078	1683	879	289	38	44139
TOSHIBA CORPORATION																
Patents By Year of Grant:	11071	1232	1271	1189	1181	1254	1364	1277	1727	1587	1631	1719	2279	2509	2447	33738
Patents By Year of Application:	14073	1181	1232	1467	1579	1588	1832	1755	1914	1931	1844	1683	1198	420	41	33738
SONY CORPORATION																
Patents By Year of Grant:	7279	1641	1666	1546	1605	1470	1470	1299	1944	1681	1701	1844	2233	2359	3132	32870
Patents By Year of Application:	11754	1844	1828	2093	1711	1776	1841	2377	1917	1841	1634	1276	729	216	33	32870
HITACHI, LTD																
Patents By Year of Grant:	10717	1024	1059	1297	1622	1907	1521	1275	1755	1407	1323	1061	1455	1466	1435	30324
Patents By Year of Application:	13266	1348	1648	2238	1905	1566	1744	1350	1340	1237	1341	711	404	211	15	30324
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.																
Patents By Year of Grant:	7414	1107	1216	1500	1593	1903	2060	1802	2417	2068	1684	48	13	9	2	24836
Patents By Year of Application:	10425	1662	2049	2402	2231	2277	1839	1093	612	231	12	1	2	0	0	24836
FUJITSU LIMITED																
Patents By Year of Grant:	6377	1200	1155	1176	1216	1306	1302	1159	1494	1300	1483	1197	1289	1390	1533	24577
Patents By Year of Application:	9877	1286	1446	1614	1398	1223	1432	1650	1244	1030	925	921	426	95	10	24577
GENERAL ELECTRIC COMPANY																
Patents By Year of Grant:	9061	702	790	1122	1423	1142	982	905	1055	918	922	980	1235	1470	1665	24372
Patents By Year of Application:	10809	1237	1410	1278	1166	1233	1146	1274	1220	1068	1107	805	459	152	8	24372
NEC CORPORATION																
Patents By Year of Grant:	8542	1850	2041	1970	1847	1200	829	675	738	605	532	522	658	595	808	23412
Patents By Year of Application:	13461	2143	1808	1392	875	651	608	645	559	510	407	248	70	32	3	23412
MICROSOFT CORPORATION																
Patents By Year of Grant:	767	356	359	455	511	519	661	787	1618	1966	2312	3159	3300	2491	2913	22174
Patents By Year of Application:	2162	787	1091	965	1157	1795	3038	3657	2347	1882	1485	806	537	439	26	22174

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
INTEL CORPORATION																
Patents By Year of Grant:	2396	744	806	818	1095	1600	1605	1552	1967	1869	1774	1537	1657	1244	1288	21952
Patents By Year of Application:	4925	1395	1751	1832	2046	2277	1950	1659	1436	1089	717	464	256	142	13	21952
MITSUBISHI DENKI KABUSHIKI KAISHA																
Patents By Year of Grant:	10021	1073	1047	1208	1399	1264	790	624	615	483	504	551	720	615	714	21628
Patents By Year of Application:	12431	1140	1336	1485	1065	637	700	580	648	660	436	293	136	71	10	21628
MICRON TECHNOLOGY, INC.																
Patents By Year of Grant:	1614	942	1312	1646	1837	1710	1760	1564	1616	1479	1259	971	919	947	914	20490
Patents By Year of Application:	4487	1560	1847	1956	2031	1586	1638	1362	1408	757	611	487	491	246	23	20490
MOTOROLA, INC.																
Patents By Year of Grant:	9278	1273	1267	811	729	668	630	494	641	443	405	408	441	28	1	17517
Patents By Year of Application:	12099	739	1031	664	759	656	477	415	361	186	102	26	2	0	0	17517
EASTMAN KODAK COMPANY																
Patents By Year of Grant:	8879	1012	894	733	703	757	717	582	689	494	321	296	355	299	429	17160
Patents By Year of Application:	11009	674	905	833	834	701	632	406	301	274	224	223	108	33	3	17160
SIEMENS AKTIENGESELLSCHAFT																
Patents By Year of Grant:	5307	744	915	801	698	683	766	703	868	708	746	732	870	861	990	16392
Patents By Year of Application:	7133	1002	885	1009	1009	920	997	851	770	649	601	393	133	38	2	16392
SEIKO EPSON CORPORATION																
Patents By Year of Grant:	1708	316	422	530	648	797	858	896	1256	1239	1274	1385	1479	1559	1512	15879
Patents By Year of Application:	2754	605	753	980	1054	1279	1547	1406	1391	1263	1184	914	525	215	9	15879
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.																
Patents By Year of Grant:	0	0	0	0	0	1346	1821	1813	2180	1545	1475	1300	1500	1342	1439	15761
Patents By Year of Application:	135	329	1003	2220	2374	2771	1930	1647	957	1038	563	458	240	88	8	15761
TEXAS INSTRUMENTS, INCORPORATED																
Patents By Year of Grant:	4860	599	689	798	717	765	898	734	880	750	755	649	828	793	827	15542
Patents By Year of Application:	6653	802	794	938	992	962	754	764	652	685	604	469	314	148	11	15542
XEROX CORPORATION																
Patents By Year of Grant:	5476	671	592	726	697	646	520	464	536	558	546	630	910	944	1059	14975
Patents By Year of Application:	7036	871	789	565	623	566	559	918	697	616	742	603	314	70	6	14975
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)																
Patents By Year of Grant:	3476	487	493	612	720	703	810	778	948	815	847	854	1068	1071	1168	14850
Patents By Year of Application:	4508	463	791	852	1053	1008	1011	1081	958	965	979	647	379	144	11	14850

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
SHARP KABUSHIKI KAISHA (SHARP CORPORATION)																
Patents By Year of Grant:	4873	554	625	573	579	526	556	502	687	694	610	648	796	876	1123	14222
Patents By Year of Application:	6311	512	740	717	641	828	809	806	842	735	605	368	230	71	7	14222
RICOH COMPANY, LTD.																
Patents By Year of Grant:	3397	411	431	389	338	417	539	473	702	756	872	1020	1224	1258	1419	13646
Patents By Year of Application:	4370	471	487	567	718	873	830	929	1157	1107	1101	678	263	91	4	13646
FUJI PHOTO FILM CO., LTD																
Patents By Year of Grant:	7028	550	552	605	709	845	1048	776	948	332	14	14	3	1	0	13425
Patents By Year of Application:	8360	700	944	999	955	797	438	202	27	1	2	0	0	0	0	13425
ROBERT BOSCH GMBH																
Patents By Year of Grant:	3085	424	560	709	686	756	907	772	683	617	439	535	615	643	768	12199
Patents By Year of Application:	4139	776	785	997	1290	1025	650	658	514	534	412	267	108	39	5	12199
LG ELECTRONICS INC.																
Patents By Year of Grant:	371	244	234	290	382	442	551	531	843	875	1018	1180	1680	1690	1833	12164
Patents By Year of Application:	1037	328	505	688	753	926	1197	1303	1416	1298	973	814	566	308	52	12164
E. I. DU PONT DE NEMOURS AND COMPANY																
Patents By Year of Grant:	5145	341	341	337	316	341	332	251	363	369	327	359	492	491	462	10267
Patents By Year of Application:	5875	345	396	377	385	436	394	421	436	390	291	281	149	84	7	10267
PANASONIC CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	293	1911	2557	2641	2858	10260
Patents By Year of Application:	6	6	20	40	109	309	798	1484	1766	1845	1637	1084	692	412	52	10260
TOYOTA JIDOSHA K.K.																
Patents By Year of Grant:	2270	405	349	332	309	310	323	325	563	439	560	535	813	978	1315	9826
Patents By Year of Application:	3077	320	299	358	340	446	611	831	931	1067	818	401	155	148	24	9826
ADVANCED MICRO DEVICES, INC.																
Patents By Year of Grant:	1713	825	1053	1086	1154	904	802	526	439	305	194	181	164	194	180	9720
Patents By Year of Application:	3976	979	1234	993	851	497	338	227	179	159	121	95	51	15	5	9720
KONINKLIJKE PHILIPS ELECTRONICS N.V.																
Patents By Year of Grant:	0	0	0	12	860	1424	1250	801	955	633	525	570	765	839	947	9581
Patents By Year of Application:	250	585	1138	1775	1493	932	797	632	634	514	292	205	212	117	5	9581
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	2665	632	546	489	501	490	450	352	380	429	396	376	561	599	608	9474
Patents By Year of Application:	3924	520	580	580	494	416	380	435	435	380	342	402	319	247	20	9474

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	Pre															
	1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
LUCENT TECHNOLOGIES INC.																
Patents By Year of Grant:	2064	1162	1426	1116	665	621	536	406	553	432	406	4	2	0	0	9393
Patents By Year of Application:	5399	1419	845	435	410	474	243	116	41	11	0	0	0	0	0	9393
U.S. PHILIPS CORPORATION																
Patents By Year of Grant:	6456	764	723	754	267	4	2	0	2	0	0	0	1	0	2	8975
Patents By Year of Application:	8217	497	213	47	0	0	0	0	0	0	0	1	0	0	0	8975
HEWLETT-PACKARD COMPANY																
Patents By Year of Grant:	4484	880	968	1025	1113	424	0	7	10	4	0	0	9	26	7	8957
Patents By Year of Application:	6712	919	696	543	46	2	4	8	7	5	6	4	3	2	0	8957
HON HAI PRECISION IND. CO., LTD.																
Patents By Year of Grant:	90	176	523	496	509	484	631	363	606	471	640	789	1033	1000	1088	8899
Patents By Year of Application:	449	613	373	585	653	439	694	508	767	747	953	988	905	215	10	8899
DENSO CORPORATION																
Patents By Year of Grant:	131	307	371	437	482	552	646	609	732	755	657	711	804	638	708	8540
Patents By Year of Application:	858	441	442	637	676	754	770	871	841	846	717	436	216	32	3	8540
BASF AKTIENGESELLSCHAFT																
Patents By Year of Grant:	3813	414	510	487	476	393	343	231	278	226	215	176	225	127	91	8005
Patents By Year of Application:	4796	504	504	514	545	405	268	179	164	83	15	12	8	8	0	8005
INFINEON TECHNOLOGIES AG																
Patents By Year of Grant:	0	0	42	219	453	642	785	787	892	848	812	595	768	609	461	7913
Patents By Year of Application:	99	173	486	848	1139	1000	945	991	783	645	405	216	134	47	2	7913
CISCO TECHNOLOGY, INC.																
Patents By Year of Grant:	19	45	109	165	224	342	434	446	657	592	718	927	1148	1005	977	7808
Patents By Year of Application:	454	533	691	638	660	700	714	995	852	626	445	302	135	56	7	7808
UNITED STATES OF AMERICA, NAVY																
Patents By Year of Grant:	3352	360	366	326	388	366	322	262	284	273	229	236	307	321	360	7752
Patents By Year of Application:	4242	292	343	367	351	353	325	283	236	282	236	254	134	44	10	7752
SUN MICROSYSTEMS, INC.																
Patents By Year of Grant:	1039	578	480	444	508	584	689	655	779	623	513	564	199	3	1	7659
Patents By Year of Application:	2599	586	699	892	1022	625	505	375	269	65	22	0	0	0	0	7659
AT&T CORP.																
Patents By Year of Grant:	4681	279	295	291	285	209	218	202	264	273	248	141	84	5	3	7478
Patents By Year of Application:	5660	301	272	305	223	144	151	242	95	58	24	3	0	0	0	7478

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
SANYO ELECTRIC CO., LTD.																
Patents By Year of Grant:	1548	254	271	300	386	382	394	369	544	485	477	473	537	507	489	7416
Patents By Year of Application:	2218	333	491	491	514	499	515	534	476	440	414	269	167	52	3	7416
BROTHER KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	1862	266	233	191	115	105	165	154	241	325	465	537	771	889	1017	7336
Patents By Year of Application:	2494	155	104	112	175	326	405	542	796	698	704	508	245	63	9	7336
BOEING COMPANY																
Patents By Year of Grant:	1611	147	138	163	200	268	428	414	490	433	441	537	676	700	672	7318
Patents By Year of Application:	1970	130	188	381	534	636	587	617	650	591	529	317	138	48	2	7318
GENERAL MOTORS CORPORATION																
Patents By Year of Grant:	3967	276	254	177	190	291	377	394	500	343	195	94	7	0	0	7065
Patents By Year of Application:	4454	172	219	286	521	581	602	191	33	5	1	0	0	0	0	7065
UNIVERSITY OF CALIFORNIA, THE REGENTS OF																
Patents By Year of Grant:	1783	434	434	404	436	445	424	392	418	337	242	262	356	330	364	7061
Patents By Year of Application:	2974	466	490	545	482	440	335	311	334	254	173	150	71	28	8	7061
BAYER AKTIENGESELLSCHAFT																
Patents By Year of Grant:	4563	342	306	364	399	348	330	176	149	39	11	5	9	3	4	7048
Patents By Year of Application:	5256	359	341	438	425	156	43	13	8	6	0	1	0	2	0	7048
HONEYWELL INTERNATIONAL INC.																
Patents By Year of Grant:	0	0	61	222	351	380	536	466	572	544	641	671	831	789	824	6888
Patents By Year of Application:	173	196	455	486	574	604	750	838	755	760	721	356	178	39	3	6888
3M INNOVATIVE PROPERTIES COMPANY																
Patents By Year of Grant:	0	181	476	463	567	608	560	455	542	546	461	387	576	534	491	6847
Patents By Year of Application:	903	494	578	698	644	645	551	553	529	397	299	222	214	113	7	6847
TELEFONAKTIEBOLAGET LM ERICSSON																
Patents By Year of Grant:	840	386	491	522	526	473	390	331	359	253	264	251	388	530	843	6847
Patents By Year of Application:	2276	646	734	553	376	317	388	356	363	339	273	156	42	23	5	6847
BROADCOM CORPORATION																
Patents By Year of Grant:	4	0	6	42	75	167	299	415	660	533	643	714	958	1164	1159	6839
Patents By Year of Application:	26	93	231	361	668	694	908	785	730	786	512	517	328	176	24	6839
SEMICONDUCTOR ENERGY LABORATORY CO., LTD.																
Patents By Year of Grant:	729	185	159	211	246	275	336	293	406	413	468	550	735	765	865	6636
Patents By Year of Application:	1337	257	273	367	413	425	576	535	565	479	449	389	356	197	18	6636

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.																
Patents By Year of Grant:	479	290	385	530	449	431	463	442	472	468	367	311	438	443	650	6618
Patents By Year of Application:	1123	586	353	452	687	542	642	447	436	407	264	224	362	85	8	6618
NOKIA CORPORATION																
Patents By Year of Grant:	1	0	0	7	44	332	449	379	654	749	775	936	860	661	665	6512
Patents By Year of Application:	26	214	406	747	936	807	785	625	566	462	530	209	129	63	7	6512
NISSAN MOTOR COMPANY, LIMITED																
Patents By Year of Grant:	2457	211	251	261	252	265	268	295	349	279	242	275	310	209	183	6107
Patents By Year of Application:	2935	222	253	314	358	369	421	410	249	254	178	55	62	17	10	6107
FUJI XEROX CO., LTD.																
Patents By Year of Grant:	1462	259	199	170	187	175	198	201	250	317	338	428	572	596	692	6044
Patents By Year of Application:	2012	210	240	240	214	393	329	467	550	422	402	372	167	24	2	6044
NIKON CORPORATION																
Patents By Year of Grant:	2444	371	303	303	251	311	235	188	151	138	161	154	220	299	365	5894
Patents By Year of Application:	3185	323	363	309	204	183	140	260	241	211	224	116	86	48	1	5894
APPLIED MATERIALS, INC.																
Patents By Year of Grant:	633	266	390	442	503	537	360	352	354	285	275	300	446	367	338	5848
Patents By Year of Application:	1559	434	588	443	465	343	332	323	424	354	275	154	107	43	4	5848
QUALCOMM, INC.																
Patents By Year of Grant:	242	120	109	175	196	180	284	201	401	284	291	358	658	925	1297	5721
Patents By Year of Application:	648	290	226	421	427	382	418	519	699	528	541	419	168	31	4	5721
APPLE, INC.																
Patents By Year of Grant:	1060	181	126	107	96	100	122	103	132	156	252	399	722	805	1290	5651
Patents By Year of Application:	1489	105	102	139	173	226	267	313	446	636	528	487	441	252	47	5651
MINNESOTA MINING AND MANUFACTURING COMPANY																
Patents By Year of Grant:	5132	351	52	15	11	7	3	1	1	0	0	0	0	0	0	5573
Patents By Year of Application:	5555	9	5	3	0	1	0	0	0	0	0	0	0	0	0	5573
FUJIFILM CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	3	681	903	892	1041	978	1051	5549
Patents By Year of Application:	3	5	39	85	151	317	540	905	1042	780	754	613	248	64	3	5549
HYNIX SEMICONDUCTOR INC.																
Patents By Year of Grant:	0	0	0	4	99	245	337	358	438	406	437	585	974	937	674	5494
Patents By Year of Application:	10	14	45	267	430	431	476	483	596	817	883	609	316	104	13	5494

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN																
Patents By Year of Grant:	1032	210	199	221	218	207	197	162	255	229	288	396	476	466	541	5097
Patents By Year of Application:	1458	256	219	222	252	280	303	333	423	397	405	392	132	23	2	5097
MINOLTA CAMERA CO., LTD.																
Patents By Year of Grant:	2660	369	346	312	240	223	211	159	169	113	54	41	33	23	8	4961
Patents By Year of Application:	3577	363	353	281	185	132	21	13	10	13	8	1	3	1	0	4961
MURATA MANUFACTURING CO., LTD.																
Patents By Year of Grant:	1180	268	302	321	444	446	373	228	177	108	163	179	190	187	267	4833
Patents By Year of Application:	1784	361	474	432	348	277	200	94	70	169	195	216	130	74	9	4833
SILVERBROOK RESEARCH PTY. LTD																
Patents By Year of Grant:	0	0	10	117	121	122	172	247	515	536	608	474	752	812	189	4675
Patents By Year of Application:	158	33	236	82	257	343	744	619	351	449	723	362	252	64	2	4675
SEAGATE TECHNOLOGY, LLC																
Patents By Year of Grant:	607	193	296	315	338	407	431	282	257	162	195	210	283	332	331	4639
Patents By Year of Application:	1281	359	397	513	346	365	207	180	188	229	206	207	97	56	8	4639
GM GLOBAL TECHNOLOGY OPERATIONS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	33	196	323	560	971	1119	1400	4602
Patents By Year of Application:	0	0	1	0	8	19	86	537	640	932	1162	773	334	104	6	4602
YAZAKI CORP.																
Patents By Year of Grant:	1608	307	305	336	315	313	203	157	154	146	164	142	154	109	115	4528
Patents By Year of Application:	2222	285	358	312	255	172	173	151	148	139	160	93	47	12	1	4528
DELPHI TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	2	94	327	644	638	549	406	390	358	313	309	233	139	112	4514
Patents By Year of Application:	51	374	632	734	619	507	378	431	285	236	158	63	36	10	0	4514
CATERPILLAR INC.																
Patents By Year of Grant:	1299	267	354	268	255	221	174	157	146	191	186	182	231	292	278	4501
Patents By Year of Application:	1919	304	270	247	253	157	148	219	236	303	316	49	56	19	5	4501
TOKYO ELECTRON LIMITED																
Patents By Year of Grant:	566	176	193	204	238	192	229	199	218	234	287	362	453	460	437	4448
Patents By Year of Application:	989	171	300	270	291	323	293	314	389	463	295	196	92	58	4	4448
SHELL OIL COMPANY																
Patents By Year of Grant:	2470	136	135	129	81	100	170	122	189	139	137	142	178	127	135	4390
Patents By Year of Application:	2774	111	116	229	246	163	202	114	125	140	91	46	28	4	1	4390



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	Pre															
	1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
TDK CORPORATION																
Patents By Year of Grant:	738	104	163	217	258	233	206	159	296	340	324	347	361	340	296	4382
Patents By Year of Application:	1055	249	276	272	187	263	454	360	346	345	252	188	116	18	1	4382
SUMITOMO ELECTRIC INDUSTRIES, LTD.																
Patents By Year of Grant:	1929	163	136	156	171	184	177	170	160	151	147	158	177	190	193	4262
Patents By Year of Application:	2277	143	184	204	212	230	174	184	163	150	117	96	102	23	3	4262
OKI ELECTRIC INDUSTRY CO., LTD.																
Patents By Year of Grant:	1139	202	225	299	328	295	307	315	318	279	234	82	64	63	91	4241
Patents By Year of Application:	1711	269	338	308	392	365	275	230	147	78	55	48	23	2	0	4241
MEDTRONIC INC.																
Patents By Year of Grant:	850	208	233	188	173	195	179	182	234	251	152	217	376	380	422	4240
Patents By Year of Application:	1326	239	229	283	268	380	275	263	297	254	133	173	91	27	2	4240
GOODYEAR TIRE + RUBBER COMPANY																
Patents By Year of Grant:	1467	153	181	229	282	260	226	168	221	201	193	215	152	152	113	4213
Patents By Year of Application:	1754	208	284	295	241	241	196	177	176	157	195	115	83	64	27	4213
NORTEL NETWORKS LIMITED																
Patents By Year of Grant:	0	94	396	465	420	436	499	377	323	273	275	248	182	178	15	4181
Patents By Year of Application:	1189	703	716	314	340	331	241	109	107	48	38	27	16	2	0	4181
NATIONAL SEMICONDUCTOR CORPORATION																
Patents By Year of Grant:	1373	197	188	183	208	217	219	224	259	229	191	202	204	172	98	4164
Patents By Year of Application:	1801	193	220	234	265	270	310	250	162	214	115	60	45	25	0	4164
SCHLUMBERGER TECHNOLOGY CORPORATION																
Patents By Year of Grant:	602	80	122	161	178	196	207	178	224	218	260	274	465	451	463	4079
Patents By Year of Application:	856	140	225	220	299	265	259	260	379	412	351	285	100	25	3	4079
OLYMPUS OPTICAL CO., LTD.																
Patents By Year of Grant:	2326	230	291	279	276	272	121	82	62	32	16	14	10	4	2	4017
Patents By Year of Application:	2928	289	290	235	146	75	18	13	10	6	3	0	4	0	0	4017
UNITED STATES OF AMERICA, ARMY																
Patents By Year of Grant:	1966	143	147	165	150	131	135	127	181	144	130	118	158	131	174	4000
Patents By Year of Application:	2302	155	165	146	163	168	191	181	140	92	94	102	74	25	2	4000
DOW CHEMICAL COMPANY																
Patents By Year of Grant:	3285	142	134	169	118	42	28	10	9	5	0	3	0	1	0	3946
Patents By Year of Application:	3603	135	122	58	19	2	3	1	2	1	0	0	0	0	0	3946

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
<b>AGILENT TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	0	0	124	338	314	388	647	559	468	286	262	178	124	116	109	3913
Patents By Year of Application:	286	360	383	516	689	571	337	297	225	103	64	58	20	4	0	3913
<b>UNITED TECHNOLOGIES CORPORATION</b>																
Patents By Year of Grant:	2005	109	120	101	78	59	54	82	133	123	130	138	212	249	319	3912
Patents By Year of Application:	2282	95	49	72	89	129	226	184	255	228	147	73	50	21	12	3912
<b>YAMAHA CORPORATION</b>																
Patents By Year of Grant:	1402	224	149	124	133	126	125	160	174	198	223	232	224	196	187	3877
Patents By Year of Application:	1812	138	162	189	187	243	184	229	197	189	174	94	62	15	2	3877
<b>RENESAS TECHNOLOGY CORPORATION</b>																
Patents By Year of Grant:	0	0	0	0	0	20	914	607	583	513	502	369	346	8	0	3862
Patents By Year of Application:	16	28	92	286	739	746	495	464	430	362	162	40	1	1	0	3862
<b>KIMBERLY-CLARK WORLDWIDE, INC.</b>																
Patents By Year of Grant:	273	188	272	338	284	417	313	259	230	178	144	166	249	207	236	3754
Patents By Year of Application:	837	356	453	472	437	286	194	204	146	119	112	54	47	32	5	3754
<b>LSI LOGIC CORPORATION</b>																
Patents By Year of Grant:	734	337	325	289	308	374	378	340	384	105	107	29	7	3	1	3721
Patents By Year of Application:	1660	231	280	509	437	342	146	80	19	9	5	2	1	0	0	3721
<b>FORD GLOBAL TECHNOLOGIES, L.L.C.</b>																
Patents By Year of Grant:	0	0	0	0	0	206	363	286	370	410	384	311	393	396	587	3706
Patents By Year of Application:	1	10	79	161	415	366	351	414	490	403	341	275	254	131	15	3706
<b>HOECHST AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	3420	152	82	18	18	9	1	2	0	0	0	1	0	0	0	3703
Patents By Year of Application:	3677	14	5	4	2	0	1	0	0	0	0	0	0	0	0	3703
<b>L'OREAL S.A.</b>																
Patents By Year of Grant:	1125	262	251	275	287	219	136	113	155	166	145	117	165	150	99	3665
Patents By Year of Application:	1701	317	311	266	222	190	160	163	111	81	64	50	25	4	0	3665
<b>EATON CORPORATION</b>																
Patents By Year of Grant:	1586	222	196	149	159	139	124	126	137	134	124	157	130	125	138	3646
Patents By Year of Application:	1946	175	188	134	147	148	156	167	158	150	119	94	44	20	0	3646
<b>FORD MOTOR COMPANY</b>																
Patents By Year of Grant:	2644	151	103	27	18	46	58	48	41	31	72	133	152	54	64	3642
Patents By Year of Application:	2877	45	78	29	58	58	44	35	38	83	109	115	27	38	8	3642

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
UNITED MICROELECTRONICS CORPORATION																
Patents By Year of Grant:	707	266	430	584	278	188	77	95	107	125	121	151	159	118	137	3543
Patents By Year of Application:	1454	483	276	227	121	94	134	175	140	156	130	71	57	21	4	3543
RESEARCH IN MOTION LIMITED																
Patents By Year of Grant:	12	5	9	9	20	20	17	27	132	148	237	390	580	762	1150	3518
Patents By Year of Application:	26	12	20	48	66	102	341	398	451	370	342	512	424	362	44	3518
SUMITOMO CHEMICAL COMPANY, LIMITED																
Patents By Year of Grant:	1523	136	149	168	187	174	152	113	102	109	80	108	132	181	204	3518
Patents By Year of Application:	1863	173	171	212	204	156	135	126	114	109	118	82	31	23	1	3518
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE																
Patents By Year of Grant:	266	130	124	72	89	103	86	112	172	206	257	305	461	510	616	3509
Patents By Year of Application:	589	78	79	114	205	266	311	349	399	393	326	278	110	10	2	3509
NIKE, INC.																
Patents By Year of Grant:	920	123	101	66	87	83	130	137	354	261	229	147	207	296	345	3486
Patents By Year of Application:	1016	92	102	75	131	149	242	240	280	336	207	208	152	172	84	3486
RAYTHEON COMPANY																
Patents By Year of Grant:	674	219	205	182	158	184	176	145	207	126	123	167	205	321	365	3457
Patents By Year of Application:	1211	137	158	180	213	201	196	185	162	209	232	254	96	23	0	3457
BAKER HUGHES INCORPORATED																
Patents By Year of Grant:	660	108	134	160	141	162	124	132	134	172	199	248	362	334	370	3440
Patents By Year of Application:	948	132	157	165	185	167	164	214	235	337	363	257	76	39	1	3440
KONICA CORPORATION																
Patents By Year of Grant:	2051	166	157	155	182	157	194	124	114	65	40	15	8	10	0	3438
Patents By Year of Application:	2404	162	176	176	227	223	16	20	15	12	5	1	1	0	0	3438
LOCKHEED MARTIN CORPORATION																
Patents By Year of Grant:	178	121	178	159	193	224	203	202	229	244	209	215	300	297	346	3298
Patents By Year of Application:	515	188	215	284	291	294	243	244	257	212	266	193	81	14	1	3298
ILLINOIS TOOL WORKS INC.																
Patents By Year of Grant:	674	99	143	184	154	215	227	250	193	228	205	165	192	191	172	3292
Patents By Year of Application:	897	172	208	242	292	279	240	248	196	183	152	95	46	37	5	3292
CORNING INCORPORATED																
Patents By Year of Grant:	882	103	112	215	250	259	237	114	135	129	97	122	183	212	241	3291
Patents By Year of Application:	1120	266	259	275	235	152	125	127	133	176	160	163	80	16	4	3291

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
ALPS ELECTRIC CO., LTD.																
Patents By Year of Grant:	946	154	194	264	211	253	239	215	187	172	146	91	59	63	45	3239
Patents By Year of Application:	1332	252	272	283	211	237	190	168	96	77	56	35	23	7	0	3239
CIBA-GEIGY CORPORATION																
Patents By Year of Grant:	3213	4	3	0	2	0	0	0	0	0	0	0	0	0	0	3222
Patents By Year of Application:	3221	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3222
MASSACHUSETTS INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	1179	145	114	128	136	127	132	136	140	141	134	135	177	161	218	3203
Patents By Year of Application:	1545	157	153	151	179	187	136	153	168	115	91	96	50	19	3	3203
MERCK + CO., INC.																
Patents By Year of Grant:	1732	217	188	185	175	132	58	64	81	102	99	124	26	2	1	3186
Patents By Year of Application:	2175	189	169	153	115	142	114	68	34	18	9	0	0	0	0	3186
BLACK & DECKER INC.																
Patents By Year of Grant:	755	118	122	158	135	151	129	131	247	237	267	210	196	156	127	3139
Patents By Year of Application:	973	143	124	170	179	198	244	234	238	235	183	97	66	51	4	3139
ALLIED-SIGNAL INC.																
Patents By Year of Grant:	2506	147	187	162	68	39	13	3	1	2	1	0	0	0	0	3129
Patents By Year of Application:	2868	194	35	20	9	2	1	0	0	0	0	0	0	0	0	3129
WESTINGHOUSE ELECTRIC CORP.																
Patents By Year of Grant:	3108	12	4	0	1	0	0	0	0	0	0	0	0	0	0	3125
Patents By Year of Application:	3124	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3125
FREESCALE SEMICONDUCTOR, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	134	256	287	322	322	368	489	483	438	3099
Patents By Year of Application:	1	8	46	81	224	296	282	495	489	413	343	254	120	44	3	3099
HALLIBURTON ENERGY SERVICES, INC.																
Patents By Year of Grant:	103	115	140	170	167	186	212	193	282	284	224	205	268	227	270	3046
Patents By Year of Application:	376	159	166	203	298	283	365	296	226	208	151	174	90	39	12	3046
DEERE + COMPANY																
Patents By Year of Grant:	873	99	82	146	145	178	166	155	153	160	138	148	204	196	197	3040
Patents By Year of Application:	1020	134	163	198	192	192	161	216	197	163	177	119	84	22	2	3040
SHIN ETSU CHEMICAL CO., LTD.																
Patents By Year of Grant:	1225	97	111	128	134	136	166	119	107	97	93	134	158	143	167	3015
Patents By Year of Application:	1436	108	167	180	166	152	134	131	133	128	95	102	65	17	1	3015

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
MOBIL OIL CORP.																
Patents By Year of Grant:	2777	72	71	52	14	5	4	3	0	0	1	0	0	0	0	2999
Patents By Year of Application:	2940	51	6	0	0	1	0	1	0	0	0	0	0	0	0	2999
SAMSUNG SDI CO., LTD.																
Patents By Year of Grant:	0	0	0	26	108	118	150	125	162	315	432	422	440	361	303	2962
Patents By Year of Application:	6	31	161	137	195	224	471	612	479	294	183	97	51	19	2	2962
HUGHES AIRCRAFT COMPANY																
Patents By Year of Grant:	2933	6	1	0	0	0	0	0	1	0	0	0	0	0	0	2941
Patents By Year of Application:	2941	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2941
XILINX, INC.																
Patents By Year of Grant:	261	93	115	126	146	137	137	177	261	233	244	262	265	210	232	2899
Patents By Year of Application:	480	115	188	153	204	273	298	293	215	193	218	166	93	10	0	2899
LG DISPLAY CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	274	597	738	645	631	2885
Patents By Year of Application:	2	1	10	27	44	73	300	538	708	363	310	262	170	67	10	2885
ASAHI KOGAKU KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	1767	307	260	252	259	18	5	1	0	0	0	0	0	0	0	2869
Patents By Year of Application:	2336	258	182	85	8	0	0	0	0	0	0	0	0	0	0	2869
CASIO COMPUTER CO. LTD.																
Patents By Year of Grant:	1162	140	127	102	82	46	58	67	87	125	112	180	176	185	206	2855
Patents By Year of Application:	1439	99	102	61	44	103	151	183	164	179	117	120	73	17	3	2855
ABBOTT LABORATORIES																
Patents By Year of Grant:	1359	159	135	129	115	115	67	48	75	58	78	76	108	133	174	2829
Patents By Year of Application:	1734	134	111	103	83	88	85	62	104	109	86	65	46	17	2	2829
AISIN SEIKI KABUSHIKI KAISHA																
Patents By Year of Grant:	1233	137	110	110	131	109	115	90	103	97	96	109	110	99	132	2781
Patents By Year of Application:	1487	120	93	153	123	109	118	131	134	94	80	95	34	10	0	2781
ROHM CO., LTD.																
Patents By Year of Grant:	720	95	116	132	150	128	135	113	178	153	168	124	163	208	176	2759
Patents By Year of Application:	972	138	163	142	142	162	196	221	175	126	185	75	44	18	0	2759
BRIDGESTONE CORPORATION																
Patents By Year of Grant:	1064	112	108	163	143	112	120	70	68	83	106	110	151	190	158	2758
Patents By Year of Application:	1370	135	146	129	118	116	100	137	143	124	84	76	48	27	5	2758

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
NGK INSULATORS LTD.																
Patents By Year of Grant:	925	123	116	132	162	148	144	105	125	116	128	124	138	132	121	2739
Patents By Year of Application:	1224	140	143	157	199	149	141	122	82	122	104	103	40	13	0	2739
HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.																
Patents By Year of Grant:	0	0	0	0	0	59	127	188	295	323	322	386	340	311	334	2685
Patents By Year of Application:	10	7	40	120	150	302	408	483	362	356	216	156	56	14	5	2685
PFIZER INC.																
Patents By Year of Grant:	923	119	165	176	187	196	166	163	140	109	77	77	74	43	62	2677
Patents By Year of Application:	1178	232	227	201	189	198	131	104	71	51	35	33	16	9	2	2677
DAIMLER-CHRYSLER AKTIENGESELLSCHAFT																
Patents By Year of Grant:	0	89	387	485	362	293	283	223	266	195	87	2	1	0	0	2673
Patents By Year of Application:	433	506	390	346	337	235	178	137	64	42	5	0	0	0	0	2673
AT& T INTELLECTUAL PROPERTY I, L.P.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	144	430	483	720	886	2663
Patents By Year of Application:	1	6	13	36	83	180	184	338	366	439	503	364	95	52	3	2663
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION																
Patents By Year of Grant:	1398	93	97	92	85	80	102	87	62	70	66	86	101	107	106	2632
Patents By Year of Application:	1617	72	104	94	115	96	86	87	94	88	68	74	28	8	1	2632
NCR CORPORATION																
Patents By Year of Grant:	1046	192	143	140	164	168	129	84	113	103	79	72	52	50	96	2631
Patents By Year of Application:	1546	188	199	185	131	53	65	73	55	38	44	23	29	2	0	2631
BRISTOL-MYERS SQUIBB COMPANY																
Patents By Year of Grant:	786	138	110	104	102	136	97	115	182	174	150	147	135	104	119	2599
Patents By Year of Application:	1055	119	112	137	164	174	156	167	148	135	83	81	45	19	4	2599
DELL PRODUCTS, L.P.																
Patents By Year of Grant:	388	85	95	132	109	131	134	132	129	158	178	242	204	233	238	2588
Patents By Year of Application:	607	208	136	151	112	175	139	188	221	211	238	129	47	22	4	2588
THOMSON LICENSING S.A.																
Patents By Year of Grant:	0	0	44	95	140	187	180	151	267	227	202	192	278	277	337	2577
Patents By Year of Application:	173	222	280	298	320	321	290	221	176	123	71	51	25	6	0	2577
UNITED STATES OF AMERICA, DEPARTMENT OF HEALTH & HUMAN SERVICES																
Patents By Year of Grant:	986	142	97	103	92	87	118	81	122	100	110	110	136	152	131	2567
Patents By Year of Application:	1369	110	137	166	146	124	91	101	79	78	60	55	31	19	1	2567

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
OLYMPUS CORPORATION																
Patents By Year of Grant:	6	0	0	0	0	5	203	180	275	272	296	289	331	340	368	2565
Patents By Year of Application:	19	16	42	64	217	321	420	364	343	267	208	163	92	26	3	2565
ELI LILLY AND COMPANY																
Patents By Year of Grant:	1302	189	162	115	123	91	59	48	61	69	64	69	67	75	68	2562
Patents By Year of Application:	1698	113	100	114	116	103	59	65	47	49	30	32	24	10	2	2562
EMC CORPORATION																
Patents By Year of Grant:	130	69	79	91	101	135	131	131	161	173	193	250	309	282	319	2554
Patents By Year of Application:	385	127	178	193	168	154	252	218	356	265	115	57	54	28	4	2554
SAP AKTIENGESELLSCHAFT																
Patents By Year of Grant:	0	0	2	7	7	2	9	20	55	150	256	386	654	477	506	2531
Patents By Year of Application:	12	4	3	19	177	328	552	455	369	275	166	90	61	17	3	2531
PIONEER HI-BRED INTERNATIONAL, INC.																
Patents By Year of Grant:	263	99	113	115	62	71	130	116	134	205	142	206	181	296	383	2516
Patents By Year of Application:	465	159	141	78	99	107	153	150	139	219	229	276	268	32	1	2516
HYUNDAI ELECTRONICS INDUSTRIES CO., LTD.																
Patents By Year of Grant:	699	244	298	539	392	180	107	25	15	2	1	0	0	0	0	2502
Patents By Year of Application:	1362	463	433	165	48	21	5	3	2	0	0	0	0	0	0	2502
ALTERA CORPORATION																
Patents By Year of Grant:	185	70	96	115	87	67	88	122	202	268	260	222	244	229	245	2500
Patents By Year of Application:	393	85	80	106	155	222	302	280	237	196	183	130	87	42	2	2500
ALCATEL																
Patents By Year of Grant:	0	61	248	315	277	269	288	212	252	154	155	133	95	26	1	2486
Patents By Year of Application:	515	434	357	316	276	209	196	116	61	3	1	1	1	0	0	2486
UOP																
Patents By Year of Grant:	1124	107	104	84	95	67	68	46	58	51	104	96	143	158	171	2476
Patents By Year of Application:	1322	121	93	80	82	59	72	86	86	132	120	118	58	47	0	2476
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY																
Patents By Year of Grant:	1888	53	57	69	45	43	40	22	22	23	17	23	38	27	37	2404
Patents By Year of Application:	2022	48	58	43	43	32	19	19	23	33	25	23	9	5	2	2404
SUMITOMO WIRING SYSTEMS, LTD.																
Patents By Year of Grant:	690	143	154	152	192	167	164	114	134	106	63	85	82	63	93	2402
Patents By Year of Application:	966	136	163	180	157	158	114	106	93	89	92	67	56	22	3	2402

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
COMMISSARIAT A L'ENERGIE ATOMIQUE																
Patents By Year of Grant:	754	81	62	83	87	82	89	83	92	92	98	135	210	219	223	2390
Patents By Year of Application:	919	104	100	122	154	152	133	145	149	163	145	84	18	2	0	2390
COLGATE-PALMOLIVE COMPANY																
Patents By Year of Grant:	937	164	137	128	181	157	84	57	83	49	59	81	89	76	92	2374
Patents By Year of Application:	1166	124	126	148	167	141	67	74	47	69	90	89	40	19	7	2374
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD.																
Patents By Year of Grant:	785	103	105	94	74	62	54	62	84	106	115	168	177	187	193	2369
Patents By Year of Application:	1029	89	70	49	73	80	89	165	165	198	181	144	32	5	0	2369
NEC ELECTRONICS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	263	264	214	207	261	267	386	477	9	0	2348
Patents By Year of Application:	10	47	137	213	256	259	230	384	360	258	154	38	2	0	0	2348
HONG FU JIN PRECISION INDUSTRY (SHENZHEN) CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	23	105	196	286	458	495	782	2345
Patents By Year of Application:	0	0	0	0	5	5	98	149	306	324	424	603	360	68	3	2345
MARVELL INTERNATIONAL LTD.																
Patents By Year of Grant:	0	0	0	6	24	17	29	52	109	160	179	245	391	520	594	2326
Patents By Year of Application:	1	3	54	24	90	123	196	181	230	389	424	248	220	120	23	2326
STMICROELECTRONICS S.R.L.																
Patents By Year of Grant:	4	57	145	237	268	219	165	160	161	168	144	108	151	182	149	2318
Patents By Year of Application:	242	238	270	266	195	217	172	172	152	122	135	71	51	14	1	2318
PIONEER ELECTRONIC CORPORATION																
Patents By Year of Grant:	1729	140	132	120	64	36	30	14	9	5	8	3	6	1	1	2298
Patents By Year of Application:	2075	144	18	18	19	11	8	2	1	0	2	0	0	0	0	2298
MAZDA MOTOR CORPORATION																
Patents By Year of Grant:	1460	60	91	73	53	58	53	43	46	38	70	50	63	50	63	2271
Patents By Year of Application:	1613	52	65	58	66	55	52	52	60	68	59	45	13	13	0	2271
KAO KABUSHIKI KAISHA (KAO CORPORATION)																
Patents By Year of Grant:	866	98	84	94	94	92	96	87	102	78	80	91	118	149	136	2265
Patents By Year of Application:	1099	72	111	160	141	134	126	107	93	86	75	28	24	7	2	2265
HYUNDAI MOTOR COMPANY																
Patents By Year of Grant:	256	93	60	118	152	106	111	119	133	109	105	129	201	262	301	2255
Patents By Year of Application:	407	99	172	103	164	156	114	142	140	147	257	224	98	32	0	2255



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	Pre															
	1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
HARRIS CORP.																
Patents By Year of Grant:	858	123	70	94	82	71	89	122	96	91	98	107	107	119	124	2251
Patents By Year of Application:	1083	88	89	88	121	156	95	88	145	132	93	50	17	5	1	2251
ORACLE INTERNATIONAL CORPORATION																
Patents By Year of Grant:	0	0	0	0	2	36	94	93	174	170	201	203	372	440	462	2247
Patents By Year of Application:	7	37	113	209	242	264	255	246	200	275	188	118	61	32	0	2247
SEIKO INSTRUMENTS INC.																
Patents By Year of Grant:	561	79	98	151	192	184	142	61	75	79	70	108	112	153	164	2229
Patents By Year of Application:	807	156	173	171	121	88	75	96	104	111	100	98	118	11	0	2229
UNIVERSITY OF TEXAS																
Patents By Year of Grant:	821	91	89	89	91	94	99	89	109	90	79	98	122	126	141	2228
Patents By Year of Application:	1095	100	119	122	116	131	100	77	90	89	73	60	39	14	3	2228
BECTON, DICKINSON AND COMPANY																
Patents By Year of Grant:	931	137	127	128	99	121	86	63	68	49	60	67	104	101	83	2224
Patents By Year of Application:	1196	139	109	132	131	128	68	48	41	67	45	57	48	15	0	2224
UNITED STATES OF AMERICA, AIR FORCE																
Patents By Year of Grant:	1347	91	84	106	76	68	55	55	49	43	46	51	46	46	52	2215
Patents By Year of Application:	1556	85	78	76	74	56	51	70	39	38	36	34	17	5	0	2215
UNISYS CORPORATION																
Patents By Year of Grant:	1071	91	98	107	119	99	118	83	106	87	89	52	40	23	18	2201
Patents By Year of Application:	1403	161	127	105	115	123	66	42	24	11	15	8	1	0	0	2201
PITNEY-BOWES, INC.																
Patents By Year of Grant:	978	98	83	81	83	91	117	96	87	64	83	81	82	95	79	2198
Patents By Year of Application:	1227	136	95	115	121	103	82	83	70	63	47	42	12	2	0	2198
AGERE SYSTEMS INC.																
Patents By Year of Grant:	0	0	0	18	52	316	274	168	240	193	182	211	235	167	136	2192
Patents By Year of Application:	57	234	255	285	185	188	216	201	215	156	117	53	18	12	0	2192
CARDIAC PACEMAKERS, INC.																
Patents By Year of Grant:	128	27	63	71	94	112	89	110	136	154	148	182	238	326	295	2173
Patents By Year of Application:	222	102	142	164	162	200	225	229	190	158	114	125	92	45	3	2173
RENESAS ELECTRONICS CORP.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	150	985	1028	2163
Patents By Year of Application:	0	0	1	1	4	3	5	34	102	216	428	582	526	231	30	2163

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
AU OPTRONICS CORP.																
Patents By Year of Grant:	0	0	0	0	12	40	78	107	168	181	183	240	366	338	385	2098
Patents By Year of Application:	0	2	14	49	50	210	238	239	291	290	266	235	146	50	18	2098
INSTITUT FRANCAIS DU PETROLE																
Patents By Year of Grant:	874	112	161	154	119	113	79	57	70	90	74	71	75	23	5	2077
Patents By Year of Application:	1188	150	152	121	101	84	85	68	79	32	14	3	0	0	0	2077
AIR PRODUCTS AND CHEMICALS, INC.																
Patents By Year of Grant:	1037	86	104	84	74	98	72	57	67	66	71	59	61	58	82	2076
Patents By Year of Application:	1206	100	73	90	110	108	79	78	65	53	58	31	18	6	1	2076
HEIDELBERGER DRUCKMASCHINEN AG																
Patents By Year of Grant:	717	96	122	94	158	248	205	89	49	52	56	49	44	47	46	2072
Patents By Year of Application:	964	145	208	224	156	92	55	65	40	49	35	32	5	2	0	2072
CALIFORNIA INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	449	100	103	125	111	139	138	102	115	116	96	93	134	113	137	2071
Patents By Year of Application:	734	138	155	183	129	112	105	116	107	105	94	46	31	14	2	2071
CYPRESS SEMICONDUCTOR CORP.																
Patents By Year of Grant:	231	116	113	107	123	185	175	149	161	115	106	62	137	137	149	2066
Patents By Year of Application:	518	126	196	274	245	29	160	99	145	122	85	28	23	14	2	2066
BOSTON SCIENTIFIC SCIMED, INC.																
Patents By Year of Grant:	0	0	0	0	3	8	6	81	128	147	176	251	416	445	398	2059
Patents By Year of Application:	9	7	28	64	184	333	344	315	224	165	147	113	105	20	1	2059
NIPPONDENSO CO., LTD.																
Patents By Year of Grant:	1888	100	35	19	7	1	1	0	0	0	0	0	0	0	0	2051
Patents By Year of Application:	2035	8	5	2	1	0	0	0	0	0	0	0	0	0	0	2051
COMPAQ COMPUTER CORPORATION, INC.																
Patents By Year of Grant:	898	267	321	366	166	24	0	0	0	0	0	0	0	0	0	2042
Patents By Year of Application:	1830	131	68	12	1	0	0	0	0	0	0	0	0	0	0	2042
FORD GLOBAL TECHNOLOGIES, INC.																
Patents By Year of Grant:	401	259	260	364	396	151	7	5	2	5	3	6	41	47	62	2009
Patents By Year of Application:	907	280	413	189	51	6	12	16	13	27	30	37	22	6	0	2009
HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN (HENKEL KGAA)																
Patents By Year of Grant:	1033	86	70	104	76	69	73	40	59	80	62	39	54	61	99	2005
Patents By Year of Application:	1233	103	78	80	74	52	68	60	72	52	28	31	30	36	8	2005

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
VICTOR COMPANY OF JAPAN, LIMITED																
Patents By Year of Grant:	779	79	82	63	62	65	89	76	96	109	128	115	100	82	59	1984
Patents By Year of Application:	985	72	71	107	58	96	100	87	99	117	94	67	24	7	0	1984
ANALOG DEVICES, INC.																
Patents By Year of Grant:	435	65	55	64	68	117	118	129	141	142	123	85	142	128	165	1977
Patents By Year of Application:	576	71	85	118	178	129	158	132	116	106	117	124	48	18	1	1977
GENENTECH, INC.																
Patents By Year of Grant:	459	53	78	66	69	71	62	70	147	282	226	86	120	80	104	1973
Patents By Year of Application:	721	51	92	197	435	54	56	78	94	57	51	33	29	22	3	1973
NORTHROP GRUMMAN CORPORATION																
Patents By Year of Grant:	471	164	133	88	97	152	175	145	162	134	114	96	35	4	2	1972
Patents By Year of Application:	802	117	151	168	142	189	140	144	91	20	4	3	1	0	0	1972
NOKIA MOBILE PHONES LTD.																
Patents By Year of Grant:	426	204	219	236	265	204	166	104	96	16	5	5	3	0	0	1949
Patents By Year of Application:	1045	283	356	221	21	9	9	5	0	0	0	0	0	0	0	1949
ERICSSON, INC.																
Patents By Year of Grant:	317	297	332	272	254	181	109	59	46	24	9	2	1	1	2	1906
Patents By Year of Application:	1245	335	166	111	33	8	5	0	1	1	1	0	0	0	0	1906
PHILLIPS PETROLEUM COMPANY																
Patents By Year of Grant:	1443	72	113	89	82	48	15	9	11	3	2	1	0	0	0	1888
Patents By Year of Application:	1658	90	74	28	14	18	4	2	0	0	0	0	0	0	0	1888
SUMITOMO RUBBER INDUSTRIES, LTD.																
Patents By Year of Grant:	713	71	84	91	88	130	129	79	73	69	61	65	79	81	70	1883
Patents By Year of Application:	903	98	109	128	128	93	69	82	88	58	34	31	41	18	3	1883
WISCONSIN ALUMNI RESEARCH FOUNDATION																
Patents By Year of Grant:	503	86	64	74	80	85	64	77	101	91	90	116	139	145	155	1870
Patents By Year of Application:	664	93	94	118	113	93	117	124	133	112	98	61	37	13	0	1870
DOW CORNING CORPORATION																
Patents By Year of Grant:	1229	106	76	58	51	47	47	15	16	10	22	29	48	48	60	1862
Patents By Year of Application:	1407	64	44	58	55	29	47	47	35	39	19	11	6	1	0	1862
MACRONIX INTERNATIONAL CO., LTD.																
Patents By Year of Grant:	53	31	32	39	123	183	162	101	109	130	136	161	191	216	185	1852
Patents By Year of Application:	110	44	37	209	218	148	137	146	216	202	131	119	95	36	4	1852

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	Pre															
	1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
SCI-MED LIFE SYSTEMS, INC.																
Patents By Year of Grant:	248	83	148	180	223	312	252	139	114	59	28	17	9	14	8	1834
Patents By Year of Application:	554	229	290	336	209	132	48	17	5	6	4	0	2	2	0	1834
FANUC LTD.																
Patents By Year of Grant:	1046	51	47	53	38	27	29	49	91	93	71	47	62	68	35	1807
Patents By Year of Application:	1174	54	28	27	32	66	92	100	74	55	56	25	24	0	0	1807
STMICROELECTRONICS S.A.																
Patents By Year of Grant:	1	22	78	109	138	148	150	136	170	158	140	153	174	132	90	1799
Patents By Year of Application:	116	171	195	142	213	190	174	156	169	137	70	36	23	7	0	1799
WARNER-LAMBERT COMPANY																
Patents By Year of Grant:	1059	85	96	85	80	74	75	78	77	42	13	3	8	2	0	1777
Patents By Year of Application:	1238	97	76	85	95	76	70	21	16	3	0	0	0	0	0	1777
DAIMLER-BENZ AKTIENGESSELLSCHAFT																
Patents By Year of Grant:	1484	218	38	18	2	1	0	0	0	0	0	0	0	0	0	1761
Patents By Year of Application:	1757	3	0	1	0	0	0	0	0	0	0	0	0	0	0	1761
IMPERIAL CHEMICAL INDUSTRIES PLC																
Patents By Year of Grant:	1530	45	41	39	25	17	15	15	9	3	2	6	5	2	4	1758
Patents By Year of Application:	1631	39	21	17	25	4	6	6	2	0	6	1	0	0	0	1758
ROHM AND HAAS COMPANY																
Patents By Year of Grant:	793	86	78	95	76	83	86	61	77	55	46	48	55	53	62	1754
Patents By Year of Application:	968	93	89	106	102	98	49	52	46	43	52	26	20	10	0	1754
MITSUBISHI HEAVY INDUSTRIES, LTD.																
Patents By Year of Grant:	16	88	150	167	140	155	121	110	69	72	81	82	114	147	231	1743
Patents By Year of Application:	265	181	124	164	204	105	94	74	112	138	142	68	45	27	0	1743
NITTO DENKO CORPORATION																
Patents By Year of Grant:	209	41	56	70	74	78	90	84	109	101	112	126	161	187	243	1741
Patents By Year of Application:	323	78	93	109	122	122	148	136	112	137	132	127	63	34	5	1741
DAI NIPPON PRINTING CO. LTD																
Patents By Year of Grant:	323	86	105	87	78	91	113	86	103	90	93	116	124	125	113	1733
Patents By Year of Application:	548	103	75	130	135	152	121	138	111	98	49	35	24	10	4	1733
SMITHKLINE BEECHAM CORPORATION																
Patents By Year of Grant:	278	191	197	256	211	140	90	56	81	78	70	63	12	1	4	1728
Patents By Year of Application:	767	224	167	165	163	91	53	35	30	17	13	2	0	1	0	1728

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
ASML NETHERLANDS B.V.																
Patents By Year of Grant:	7	3	7	7	34	33	64	92	211	205	273	206	218	186	179	1725
Patents By Year of Application:	22	16	39	38	66	173	454	258	276	123	125	83	36	15	1	1725
PORSCHE AG																
Patents By Year of Grant:	509	70	49	67	85	75	80	78	78	74	72	136	116	99	135	1723
Patents By Year of Application:	631	46	67	97	93	80	79	86	67	165	101	130	55	25	1	1723
CHRYSLER MOTORS CORPORATION																
Patents By Year of Grant:	1281	240	156	35	6	0	0	0	0	0	0	0	0	0	0	1718
Patents By Year of Application:	1698	15	5	0	0	0	0	0	0	0	0	0	0	0	0	1718
WHITAKER CORPORATION																
Patents By Year of Grant:	1091	231	258	79	39	8	3	1	3	0	0	1	0	0	0	1714
Patents By Year of Application:	1582	103	22	5	1	1	0	0	0	0	0	0	0	0	0	1714
TEKTRONIX INC.																
Patents By Year of Grant:	923	105	60	57	61	55	58	54	38	50	52	41	44	45	69	1712
Patents By Year of Application:	1141	32	71	64	61	48	58	61	56	35	36	20	11	7	11	1712
INTERNATIONAL GAME TECHNOLOGY (IGT)																
Patents By Year of Grant:	27	12	7	28	43	72	125	109	103	112	126	133	262	273	278	1710
Patents By Year of Application:	66	17	124	145	179	197	208	169	214	174	98	44	30	44	1	1710
BAXTER INTERNATIONAL INC.																
Patents By Year of Grant:	819	102	78	79	56	71	50	53	63	33	27	21	53	105	95	1705
Patents By Year of Application:	1066	71	57	69	98	60	22	32	36	59	52	28	29	26	0	1705
TOYODA GOSEI KABUSHIKI KAISHA																
Patents By Year of Grant:	522	67	58	50	84	87	88	116	91	108	80	88	92	99	74	1704
Patents By Year of Application:	668	45	89	97	134	118	117	94	82	81	77	66	28	8	0	1704
FUJINON CORPORATION (FORMERLY FUJI PHOTO OPTICAL CO. LTD.)																
Patents By Year of Grant:	345	86	114	96	126	130	125	82	95	82	81	115	115	86	25	1703
Patents By Year of Application:	509	131	129	123	134	114	99	105	112	94	79	61	9	4	0	1703
BAYERISCHE MOTOREN WERKE AG																
Patents By Year of Grant:	225	68	61	86	82	85	89	91	118	100	134	136	157	129	136	1697
Patents By Year of Application:	361	76	96	94	84	82	81	103	160	155	92	125	99	69	20	1697
DAIKIN INDUSTRIES LIMITED																
Patents By Year of Grant:	470	43	60	83	68	66	78	59	63	75	75	102	145	152	150	1689
Patents By Year of Application:	605	77	68	94	111	103	103	110	98	128	88	50	29	22	3	1689

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
FUNAI ELECTRIC CO., LTD.																
Patents By Year of Grant:	72	17	29	41	40	39	60	62	121	124	150	237	247	209	165	1613
Patents By Year of Application:	143	43	44	65	78	94	168	236	236	223	167	58	49	9	0	1613
NVIDIA CORPORATION																
Patents By Year of Grant:	22	5	6	14	15	25	42	52	103	109	175	272	229	264	267	1600
Patents By Year of Application:	43	24	33	52	95	163	198	243	290	283	105	56	5	10	0	1600
SHIMANO INC.																
Patents By Year of Grant:	331	83	100	97	98	90	65	101	138	101	87	77	111	66	52	1597
Patents By Year of Application:	512	83	98	99	95	125	126	139	108	72	65	43	25	7	0	1597
CARRIER CORPORATION																
Patents By Year of Grant:	632	66	109	98	84	90	77	77	75	73	42	22	41	42	66	1594
Patents By Year of Application:	803	74	95	97	100	99	129	77	79	23	9	5	4	0	0	1594
KYOCERA CORPORATION																
Patents By Year of Grant:	264	38	50	49	60	70	43	46	54	72	78	108	137	200	323	1592
Patents By Year of Application:	374	44	62	63	61	76	124	177	173	183	116	85	35	19	0	1592
NOVARTIS AG (FORMERLY SANDOZ LTD.)																
Patents By Year of Grant:	25	74	100	114	95	85	78	76	86	54	71	72	190	195	274	1589
Patents By Year of Application:	228	116	108	113	121	133	103	107	138	141	90	87	57	42	5	1589
ADVANTEST CORP.																
Patents By Year of Grant:	223	76	75	104	123	93	73	52	86	93	110	113	137	119	111	1588
Patents By Year of Application:	416	134	100	94	63	80	100	114	122	126	107	93	31	8	0	1588
SHARP LABORATORIES OF AMERICA, INC.																
Patents By Year of Grant:	2	23	37	61	77	115	103	105	164	168	144	94	136	179	170	1578
Patents By Year of Application:	101	117	99	157	136	180	200	180	122	146	82	34	16	8	0	1578
ADOBE SYSTEMS, INC.																
Patents By Year of Grant:	68	40	37	42	30	32	45	40	59	56	106	154	232	294	337	1572
Patents By Year of Application:	212	58	61	57	61	80	87	164	210	228	182	98	37	36	1	1572
ALCATEL LUCENT																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	41	98	149	227	402	635	1552
Patents By Year of Application:	0	3	9	13	68	126	159	185	279	274	195	183	43	14	1	1552
FUJI ELECTRIC CO., LTD.																
Patents By Year of Grant:	872	110	72	54	57	78	74	50	35	12	6	1	0	20	106	1547
Patents By Year of Application:	1046	51	78	87	79	56	12	12	3	9	29	41	31	12	1	1547



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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
KOHLER CO.																
Patents By Year of Grant:	448	38	32	48	42	61	71	74	115	102	109	97	100	63	91	1491
Patents By Year of Application:	493	35	59	47	61	70	114	111	108	92	89	84	57	43	28	1491
INTERDIGITAL TECHNOLOGY CORPORATION																
Patents By Year of Grant:	71	23	17	27	40	54	105	106	181	137	135	158	140	146	149	1489
Patents By Year of Application:	122	31	40	92	244	166	187	187	125	108	96	59	17	13	2	1489
3COM CORPORATION																
Patents By Year of Grant:	112	93	161	229	196	200	182	89	83	33	34	31	22	0	0	1465
Patents By Year of Application:	560	343	270	147	65	41	21	10	6	1	1	0	0	0	0	1465
FURUKAWA ELECTRIC CO., LTD.																
Patents By Year of Grant:	399	53	41	52	85	134	162	100	63	45	39	54	76	78	80	1461
Patents By Year of Application:	507	51	98	184	154	88	38	49	49	55	95	53	28	11	1	1461
HOYA CORPORATION																
Patents By Year of Grant:	206	36	34	39	38	48	64	48	45	55	117	201	212	185	129	1457
Patents By Year of Application:	284	45	50	58	69	96	94	171	167	161	107	85	53	13	4	1457
NORTHERN TELECOM LIMITED																
Patents By Year of Grant:	1101	249	72	19	11	2	1	0	0	0	0	0	0	0	0	1455
Patents By Year of Application:	1452	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1455
PACESETTER, INC.																
Patents By Year of Grant:	231	46	32	53	77	76	81	76	98	116	85	81	137	115	143	1447
Patents By Year of Application:	317	68	68	144	127	87	121	117	129	119	60	50	26	14	0	1447
FUJI JUKOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	700	32	44	56	51	85	87	45	63	48	35	40	48	43	66	1443
Patents By Year of Application:	781	51	58	95	77	76	76	52	42	43	45	30	11	6	0	1443
BASF CORPORATION																
Patents By Year of Grant:	746	89	82	58	83	55	45	39	31	28	21	24	42	39	55	1437
Patents By Year of Application:	946	60	72	68	52	35	35	44	33	25	26	24	11	6	0	1437
VIA TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	2	16	20	42	52	116	128	188	183	163	179	144	116	81	1430
Patents By Year of Application:	20	47	43	73	189	184	211	165	229	134	57	49	22	6	1	1430
ADC TELECOMMUNICATIONS, INC.																
Patents By Year of Grant:	115	23	27	49	75	101	97	83	85	91	143	148	156	119	111	1423
Patents By Year of Application:	188	65	90	132	101	51	64	100	121	181	140	109	61	19	1	1423

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
ZF FRIEDRICHSHAFEN, AG																
Patents By Year of Grant:	234	31	36	52	45	54	60	55	82	94	99	98	145	140	198	1423
Patents By Year of Application:	295	51	41	71	96	105	128	124	137	180	114	51	23	7	0	1423
ROCKWELL INTERNATIONAL CORPORATION																
Patents By Year of Grant:	1332	68	11	6	1	1	0	0	0	0	0	0	0	0	0	1419
Patents By Year of Application:	1415	3	0	1	0	0	0	0	0	0	0	0	0	0	0	1419
NESTEC, S.A.																
Patents By Year of Grant:	573	108	76	97	67	73	59	47	35	38	20	38	62	48	73	1414
Patents By Year of Application:	777	71	112	91	73	61	57	40	35	52	13	16	15	1	0	1414
JOHNS HOPKINS UNIVERSITY																
Patents By Year of Grant:	345	98	74	80	81	71	94	72	91	62	67	57	71	70	80	1413
Patents By Year of Application:	591	91	87	100	110	121	86	41	51	51	35	23	20	6	0	1413
NSK LIMITED																
Patents By Year of Grant:	335	59	71	117	117	105	111	88	90	93	91	43	31	31	31	1413
Patents By Year of Application:	495	105	107	147	138	138	104	73	48	45	9	0	3	1	0	1413
EMERSON ELECTRIC CO.																
Patents By Year of Grant:	527	73	83	83	63	60	80	42	79	65	56	60	59	40	39	1409
Patents By Year of Application:	683	81	68	65	91	69	65	70	59	38	51	24	21	23	1	1409
AMOCO CORPORATION																
Patents By Year of Grant:	1388	16	0	0	0	0	0	0	0	0	0	0	0	0	0	1404
Patents By Year of Application:	1404	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1404
SHOWA DENKO KABUSHIKI KAISHA																
Patents By Year of Grant:	288	37	52	70	85	70	86	63	88	48	55	91	123	126	118	1400
Patents By Year of Application:	394	59	91	110	123	110	100	113	98	76	68	35	18	5	0	1400
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.																
Patents By Year of Grant:	260	59	65	60	92	79	71	56	65	49	69	64	97	132	175	1393
Patents By Year of Application:	400	93	109	118	96	79	61	99	96	100	76	33	20	6	7	1393
BRITISH TELECOMMUNICATION, PLC																
Patents By Year of Grant:	607	80	72	94	58	48	32	31	40	57	45	49	53	60	65	1391
Patents By Year of Application:	934	39	76	86	58	45	35	31	36	33	10	4	1	3	0	1391
EASTMAN CHEMICAL COMPANY																
Patents By Year of Grant:	371	111	119	109	97	78	54	37	28	56	59	68	72	79	51	1389
Patents By Year of Application:	608	106	104	76	61	66	57	66	99	58	30	22	29	6	1	1389

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
NGK SPARK PLUG CO., LTD.																
Patents By Year of Grant:	448	64	57	68	59	92	100	54	59	46	52	48	58	65	111	1381
Patents By Year of Application:	585	74	66	97	99	70	66	54	60	55	67	66	14	8	0	1381
EXXON CHEMICALS PATENTS INC.																
Patents By Year of Grant:	1072	112	111	69	6	6	3	0	0	1	0	0	0	0	0	1380
Patents By Year of Application:	1337	38	4	1	0	0	0	0	0	0	0	0	0	0	0	1380
DEGUSSA AKTIENGESELLSCHAFT																
Patents By Year of Grant:	608	49	21	39	86	102	117	86	90	66	48	43	21	1	0	1377
Patents By Year of Application:	700	45	66	183	136	110	68	44	19	2	3	1	0	0	0	1377
ADVANCED CARDIOVASCULAR SYSTEMS, INC.																
Patents By Year of Grant:	214	37	54	76	96	184	109	78	68	68	69	62	100	85	76	1376
Patents By Year of Application:	338	140	158	166	131	115	71	59	70	29	47	18	25	9	0	1376
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)																
Patents By Year of Grant:	538	60	52	62	58	59	53	24	50	38	48	51	65	100	114	1372
Patents By Year of Application:	658	64	58	66	67	59	61	59	60	68	65	48	21	17	1	1372
EBARA CORPORATION																
Patents By Year of Grant:	322	78	75	83	123	97	97	81	80	82	57	45	42	65	44	1371
Patents By Year of Application:	510	71	145	138	99	96	83	52	40	48	44	24	14	7	0	1371
MEDIATEK INC.																
Patents By Year of Grant:	0	1	3	3	1	5	24	32	106	126	166	157	233	240	266	1363
Patents By Year of Application:	6	6	3	16	66	109	142	160	199	183	227	146	69	27	4	1363
GILLETTE COMPANY																
Patents By Year of Grant:	370	55	72	69	62	53	50	54	64	56	48	66	94	111	126	1350
Patents By Year of Application:	483	72	87	55	56	85	67	66	45	48	55	81	76	62	12	1350
ORACLE AMERICA, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	448	475	426	1349
Patents By Year of Application:	1	3	10	13	25	43	113	171	254	236	242	188	34	15	1	1349
OMRON CORPORATION																
Patents By Year of Grant:	260	28	27	34	53	74	95	84	112	115	99	103	93	73	97	1347
Patents By Year of Application:	339	34	52	101	115	131	91	92	136	95	70	51	23	17	0	1347
TYCO ELECTRONICS CORPORATION																
Patents By Year of Grant:	0	0	2	48	67	101	103	87	112	92	96	125	172	185	157	1347
Patents By Year of Application:	12	33	81	89	129	104	87	90	90	148	169	169	124	20	2	1347

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
S. C. JOHNSON + SON, INC.																
Patents By Year of Grant:	323	60	29	29	54	61	54	63	62	101	97	100	83	101	120	1337
Patents By Year of Application:	408	37	55	46	78	77	75	127	96	95	54	50	89	39	11	1337
W. R. GRACE & CO.-CONN.																
Patents By Year of Grant:	1077	28	16	30	28	23	23	24	16	10	8	7	10	18	18	1336
Patents By Year of Application:	1139	19	23	30	30	27	16	11	12	7	7	6	3	5	1	1336
HUAWEI TECHNOLOGIES CO., LTD.																
Patents By Year of Grant:	0	0	0	0	1	1	6	10	19	21	50	85	252	357	533	1335
Patents By Year of Application:	0	0	1	10	38	64	40	69	173	202	228	245	140	116	9	1335
DAEWOO ELECTRONICS COMPANY, LTD.																
Patents By Year of Grant:	739	279	123	55	15	4	7	12	12	13	17	17	15	7	12	1327
Patents By Year of Application:	1184	20	7	7	10	8	26	17	18	8	12	6	4	0	0	1327
LEAR CORPORATION																
Patents By Year of Grant:	86	78	58	49	60	83	117	118	200	127	66	69	68	71	73	1323
Patents By Year of Application:	218	55	79	69	141	181	199	113	61	63	69	35	29	8	3	1323
AMP INCORPORATED																
Patents By Year of Grant:	1315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1315
Patents By Year of Application:	1315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1315
KOITO MANUFACTURING COMPANY LIMITED																
Patents By Year of Grant:	369	51	61	67	84	97	63	52	67	88	73	56	65	53	66	1312
Patents By Year of Application:	488	56	93	77	87	78	70	98	67	63	60	58	15	2	0	1312
ALLERGAN, INC.																
Patents By Year of Grant:	502	30	26	15	24	41	46	36	52	55	71	61	106	133	111	1309
Patents By Year of Application:	567	18	36	43	56	68	76	59	84	91	89	82	20	14	6	1309
MONSANTO COMPANY, INC.																
Patents By Year of Grant:	1046	83	78	63	11	11	6	4	2	0	1	0	0	2	1	1308
Patents By Year of Application:	1217	55	18	9	5	1	0	0	0	0	0	2	1	0	0	1308
SANDISK CORPORATION																
Patents By Year of Grant:	35	16	19	34	28	35	39	65	94	142	227	255	186	123	5	1303
Patents By Year of Application:	84	25	30	57	68	77	104	193	278	211	102	53	19	2	0	1303
MATSUSHITA ELECTRIC WORKS, LTD.																
Patents By Year of Grant:	476	69	65	56	54	66	68	82	102	98	104	40	12	1	1	1294
Patents By Year of Application:	616	48	76	82	90	78	109	86	52	52	5	0	0	0	0	1294

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
THOMSON-CSF																
Patents By Year of Grant:	1026	67	47	46	46	21	12	2	2	0	0	0	0	0	0	1269
Patents By Year of Application:	1164	42	42	19	0	2	0	0	0	0	0	0	0	0	0	1269
DANA CORPORATION																
Patents By Year of Grant:	595	88	103	97	77	70	86	56	49	34	12	0	0	0	0	1267
Patents By Year of Application:	787	112	63	103	77	77	22	24	2	0	0	0	0	0	0	1267
ITT MANUFACTURING ENTERPRISES, INC.																
Patents By Year of Grant:	28	107	168	115	86	75	83	87	94	83	59	79	92	69	38	1263
Patents By Year of Application:	336	98	95	106	105	95	60	108	73	89	51	29	11	7	0	1263
ETHICON, INC.																
Patents By Year of Grant:	465	61	75	73	70	90	62	40	65	54	23	44	47	45	48	1262
Patents By Year of Application:	620	84	83	108	88	78	55	51	26	23	19	14	11	1	1	1262
TAKEDA CHEMICAL INDUSTRIES LTD.																
Patents By Year of Grant:	820	80	71	102	64	46	39	18	10	2	3	1	0	0	0	1256
Patents By Year of Application:	992	93	65	48	45	9	2	1	1	0	0	0	0	0	0	1256
JUNIPER NETWORKS, INC.																
Patents By Year of Grant:	0	2	0	1	7	12	13	45	86	82	81	138	221	281	286	1255
Patents By Year of Application:	6	19	37	108	120	60	69	105	119	136	137	186	123	29	1	1255
SANDIA CORPORATION																
Patents By Year of Grant:	181	90	77	100	102	89	70	49	56	66	75	63	74	62	92	1246
Patents By Year of Application:	381	102	92	98	70	80	73	66	68	65	59	58	32	2	0	1246
AJINOMOTO COMPANY INCORPORATED																
Patents By Year of Grant:	376	51	46	61	64	49	66	49	60	79	64	60	75	74	66	1240
Patents By Year of Application:	488	61	88	82	96	45	75	70	60	50	48	37	26	13	1	1240
YAHOO, INC.																
Patents By Year of Grant:	0	2	0	2	5	8	5	13	30	28	67	166	309	334	270	1239
Patents By Year of Application:	7	14	19	31	21	54	86	149	220	289	203	72	51	19	4	1239
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH																
Patents By Year of Grant:	93	37	38	60	131	139	133	121	128	96	73	54	68	28	39	1238
Patents By Year of Application:	178	48	122	183	202	181	140	45	58	35	28	14	3	1	0	1238
HITACHI HIGH-TECHNOLOGIES CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	4	24	47	86	87	139	138	201	251	261	1238
Patents By Year of Application:	0	0	1	4	44	82	122	125	141	181	216	151	111	56	4	1238

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
HOECHST CELANESE CORPORATION																
Patents By Year of Grant:	1196	25	10	3	0	0	0	0	0	0	0	0	0	0	0	1234
Patents By Year of Application:	1232	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1234
UNIVERSITY OF MICHIGAN																
Patents By Year of Grant:	313	52	69	51	48	63	67	71	69	47	66	54	78	79	97	1224
Patents By Year of Application:	476	56	67	75	90	89	62	58	60	54	59	39	29	10	0	1224
GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY, LLC																
Patents By Year of Grant:	0	0	0	31	174	172	189	154	140	78	88	69	61	35	27	1218
Patents By Year of Application:	10	57	171	187	270	197	99	44	53	53	50	21	6	0	0	1218
AT& T INTELLECTUAL PROPERTY II, L.P.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	38	160	284	430	304	1216
Patents By Year of Application:	2	1	4	18	33	41	76	266	141	183	187	182	52	30	0	1216
DELTA ELECTRONICS INC.																
Patents By Year of Grant:	19	12	18	29	51	83	103	91	102	101	102	107	107	152	131	1208
Patents By Year of Application:	44	30	36	88	91	152	121	102	144	119	125	82	46	23	5	1208
TORAY INDUSTRIES INC.																
Patents By Year of Grant:	483	61	70	72	65	62	44	36	33	23	35	31	43	58	89	1205
Patents By Year of Application:	660	72	61	66	68	46	44	43	43	39	31	22	5	5	0	1205
SAMSUNG MOBILE DISPLAY CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	196	335	418	253	1202
Patents By Year of Application:	0	0	0	0	2	7	77	214	298	200	170	158	56	20	0	1202
TEXACO INC.																
Patents By Year of Grant:	976	35	43	25	22	19	13	6	9	13	9	7	8	6	10	1201
Patents By Year of Application:	1064	23	17	28	16	13	16	5	8	2	7	1	1	0	0	1201
FMC CORPORATION																
Patents By Year of Grant:	825	81	75	52	47	17	17	10	6	4	3	10	17	15	21	1200
Patents By Year of Application:	988	49	55	19	17	8	11	14	12	8	8	3	5	2	1	1200
MICHELIN RECHERCHE ET TECHNIQUE S.A.																
Patents By Year of Grant:	202	46	38	39	66	91	77	74	92	92	82	71	89	67	71	1197
Patents By Year of Application:	266	44	68	92	98	120	108	116	102	62	64	30	16	10	1	1197
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:	426	76	75	130	81	80	39	36	31	38	33	27	23	31	69	1195
Patents By Year of Application:	583	113	103	90	53	65	56	29	26	25	24	17	6	4	1	1195

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
NOVO NORDISK A/S																
Patents By Year of Grant:	455	179	142	93	39	56	24	29	24	20	17	19	20	38	40	1195
Patents By Year of Application:	802	91	47	63	36	39	10	33	33	20	6	11	3	1	0	1195
UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE																
Patents By Year of Grant:	538	71	55	67	51	63	41	29	39	26	31	27	41	56	54	1189
Patents By Year of Application:	692	52	60	72	47	43	33	35	25	35	41	32	17	4	1	1189
LSI CORPORATION																
Patents By Year of Grant:	0	2	0	0	0	1	0	0	1	142	141	165	206	223	307	1188
Patents By Year of Application:	2	2	1	7	35	89	143	216	104	99	225	155	84	23	3	1188
CORNELL RESEARCH FOUNDATION INC.																
Patents By Year of Grant:	440	71	49	63	36	61	40	41	66	56	51	53	74	51	33	1185
Patents By Year of Application:	617	47	67	65	64	49	50	67	72	38	20	14	11	4	0	1185
AKZO NOBEL NV																
Patents By Year of Grant:	329	121	98	89	94	109	72	56	47	32	19	18	35	32	33	1184
Patents By Year of Application:	579	91	101	131	99	55	35	29	25	18	8	5	7	1	0	1184
CHENG UEI PRECISION INDUSTRY CO., LTD.																
Patents By Year of Grant:	0	0	0	1	2	0	6	21	76	75	150	172	233	240	199	1175
Patents By Year of Application:	0	0	2	1	0	8	42	56	126	135	190	207	260	145	3	1175
SIEMENS MEDICAL SOLUTIONS USA, INC.																
Patents By Year of Grant:	0	0	0	2	29	29	41	34	36	61	144	162	245	204	188	1175
Patents By Year of Application:	4	8	28	56	67	81	114	189	203	187	126	76	29	7	0	1175
KOMATSU LTD.																
Patents By Year of Grant:	125	83	69	105	92	97	68	69	70	67	41	55	72	74	80	1167
Patents By Year of Application:	300	96	114	97	82	78	90	84	77	51	54	21	8	12	3	1167
CALLAWAY GOLF COMPANY																
Patents By Year of Grant:	81	11	28	52	96	102	72	75	133	86	95	112	71	75	73	1162
Patents By Year of Application:	109	44	78	81	105	85	98	102	72	112	68	54	87	44	23	1162
ETHICON ENDO-SURGERY, INC.																
Patents By Year of Grant:	142	70	34	32	34	37	15	19	46	43	77	94	196	149	173	1161
Patents By Year of Application:	236	46	35	60	25	71	74	157	148	157	84	32	19	17	0	1161
TYCO HEALTHCARE GROUP LP																
Patents By Year of Grant:	0	0	2	2	7	11	17	16	23	45	51	75	166	291	455	1161
Patents By Year of Application:	4	4	15	21	30	69	43	77	111	155	162	232	149	83	6	1161



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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
DAINIPPON SCREEN MFG. CO., LTD.																
Patents By Year of Grant:	503	55	37	20	17	18	51	50	64	44	67	48	44	52	33	1103
Patents By Year of Application:	618	8	9	22	71	92	70	57	53	47	34	19	3	0	0	1103
MITSUBISHI CHEMICAL CORPORATION																
Patents By Year of Grant:	339	110	86	76	54	56	48	32	57	47	40	33	35	45	45	1103
Patents By Year of Application:	561	73	49	61	47	41	71	81	54	29	17	4	10	5	0	1103
ELPIDA MEMORY, INC.																
Patents By Year of Grant:	0	0	0	0	0	1	22	50	49	84	99	139	250	209	196	1099
Patents By Year of Application:	1	0	2	5	32	58	66	74	166	192	209	162	109	21	2	1099
NTN CORPORATION																
Patents By Year of Grant:	170	38	46	45	52	58	58	49	69	43	41	71	94	115	150	1099
Patents By Year of Application:	258	41	59	76	73	67	105	96	114	71	70	38	20	10	1	1099
MITA INDUSTRIAL COMPANY LTD.																
Patents By Year of Grant:	982	81	32	3	0	0	0	0	0	0	0	0	0	0	0	1098
Patents By Year of Application:	1082	15	1	0	0	0	0	0	0	0	0	0	0	0	0	1098
OTIS ELEVATOR COMPANY																
Patents By Year of Grant:	575	74	42	37	68	33	25	15	19	16	24	37	36	34	52	1087
Patents By Year of Application:	690	48	68	42	35	59	47	42	27	14	5	1	3	5	1	1087
SONY ERICSSON MOBILE COMMUNICATIONS AB																
Patents By Year of Grant:	0	0	0	0	0	4	12	21	48	64	82	168	236	265	180	1080
Patents By Year of Application:	0	0	0	3	38	88	125	116	225	183	158	89	38	14	3	1080
COLUMBIA UNIVERSITY																
Patents By Year of Grant:	252	55	51	58	46	61	52	57	54	55	55	46	82	76	78	1078
Patents By Year of Application:	440	77	72	63	58	55	67	52	45	63	29	25	24	8	0	1078
GENERAL HOSPITAL CORPORATION																
Patents By Year of Grant:	265	82	57	65	50	67	40	41	49	41	50	44	63	79	84	1077
Patents By Year of Application:	489	71	71	58	40	52	57	42	39	50	47	30	22	8	1	1077
PENTAX CORPORATION																
Patents By Year of Grant:	0	0	0	0	12	218	219	196	186	132	86	15	2	0	0	1066
Patents By Year of Application:	15	38	94	181	192	186	153	108	51	39	9	0	0	0	0	1066
WYETH																
Patents By Year of Grant:	0	0	0	0	53	84	87	58	112	119	138	155	150	59	48	1063
Patents By Year of Application:	12	12	28	93	147	151	131	124	147	115	45	40	9	8	1	1063

---- Organizational Patenting (Granted: Jan 01, 1988 - Dec 31, 2012) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
BATTELLE MEMORIAL INSTITUTE																
Patents By Year of Grant:	307	35	39	36	43	71	75	61	68	43	42	51	60	68	62	1061
Patents By Year of Application:	397	52	54	100	84	87	52	51	60	38	33	32	16	5	0	1061
HILTI AKTIENGESELLSCHAFT																
Patents By Year of Grant:	282	30	61	36	59	86	75	65	77	45	46	43	51	58	42	1056
Patents By Year of Application:	346	52	62	92	92	83	77	50	49	52	57	32	7	5	0	1056
ROCKWELL AUTOMATION TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	0	0	9	52	63	61	58	93	95	76	112	156	152	128	1055
Patents By Year of Application:	14	42	78	71	65	110	100	129	134	119	91	44	37	21	0	1055
TOYODA JIDOSHOKKI SEISAKUSHO KABUSHIKI KAISHA																
Patents By Year of Grant:	484	89	118	133	141	67	15	3	3	2	0	0	0	0	0	1055
Patents By Year of Application:	701	117	147	88	2	0	0	0	0	0	0	0	0	0	0	1055
UNITED STATES SURGICAL CORPORATION																
Patents By Year of Grant:	783	98	46	33	17	16	14	9	14	10	6	2	2	0	1	1051
Patents By Year of Application:	944	24	16	25	11	12	4	7	3	3	1	0	1	0	0	1051
GOLDSTAR COMPANY, LTD.																
Patents By Year of Grant:	1032	13	1	2	1	0	0	0	0	0	0	0	0	0	0	1049
Patents By Year of Application:	1048	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1049
YOKOHAMA RUBBER CO., LTD.																
Patents By Year of Grant:	316	39	46	39	42	59	39	48	45	40	43	59	73	73	86	1047
Patents By Year of Application:	402	49	48	45	57	69	85	59	38	73	47	46	15	9	5	1047
KAWASAKI JUKOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	258	23	26	46	42	52	56	75	75	59	76	64	73	46	75	1046
Patents By Year of Application:	303	43	40	49	69	92	76	67	95	70	50	61	21	7	3	1046
CADENCE DESIGN SYSTEMS, INC.																
Patents By Year of Grant:	43	8	11	11	21	41	55	95	117	59	69	92	128	136	157	1043
Patents By Year of Application:	73	19	62	62	181	83	57	73	120	120	100	54	27	12	0	1043
WEATHERFORD/LAMB, INC.																
Patents By Year of Grant:	43	11	29	27	60	73	105	96	154	97	78	52	82	76	59	1042
Patents By Year of Application:	90	48	72	96	130	156	111	82	69	61	50	44	22	11	0	1042
AISIN AW CO., LTD.																
Patents By Year of Grant:	314	64	44	29	20	41	44	31	49	40	42	33	53	94	143	1041
Patents By Year of Application:	428	23	32	45	44	63	52	53	59	50	94	65	30	2	1	1041

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
FINISAR CORPORATION																
Patents By Year of Grant:	8	1	1	1	6	23	46	112	130	142	144	127	135	84	81	1041
Patents By Year of Application:	12	4	21	56	124	193	166	160	65	91	108	20	17	2	2	1041
LG SEMICON CO., LTD.																
Patents By Year of Grant:	386	312	255	42	30	8	4	2	0	1	0	1	0	0	0	1041
Patents By Year of Application:	948	69	10	8	3	1	1	0	1	0	0	0	0	0	0	1041
IDEMITSU KOSAN COMPANY LIMITED																
Patents By Year of Grant:	396	39	40	33	34	32	26	27	34	30	36	45	76	100	83	1031
Patents By Year of Application:	490	29	37	38	54	53	46	78	72	57	47	10	16	4	0	1031
JANSSEN PHARMACEUTICA N.V.																
Patents By Year of Grant:	235	21	29	28	34	23	16	18	45	57	65	105	125	110	116	1027
Patents By Year of Application:	298	29	34	49	32	60	56	97	91	120	65	49	36	9	2	1027
WINBOND ELECTRONICS CORP.																
Patents By Year of Grant:	119	117	116	126	122	82	99	63	63	47	26	14	9	14	10	1027
Patents By Year of Application:	394	131	97	98	114	64	47	29	17	15	6	10	3	2	0	1027
MASCO CORP. OF INDIANA																
Patents By Year of Grant:	146	83	79	51	96	27	49	34	155	37	66	46	38	50	69	1026
Patents By Year of Application:	256	28	76	113	12	78	148	33	40	67	48	27	29	58	13	1026
SHIMADZU CORPORATION																
Patents By Year of Grant:	298	37	39	34	47	56	35	36	64	53	44	50	61	66	106	1026
Patents By Year of Application:	378	37	49	59	40	46	70	79	92	84	56	17	13	6	0	1026
MITSUBISHI GAS-CHEMICAL COMPANY, INC.																
Patents By Year of Grant:	454	66	43	51	48	46	38	27	45	40	30	28	25	37	43	1021
Patents By Year of Application:	559	53	48	55	57	44	57	35	32	48	13	12	4	4	0	1021
PRAXAIR TECHNOLOGY, INC.																
Patents By Year of Grant:	321	72	56	82	72	72	40	27	35	43	35	35	44	40	47	1021
Patents By Year of Application:	458	50	81	68	68	53	39	46	46	33	32	23	18	5	1	1021
BELLSOUTH INTELLECTUAL PROPERTY CORPORATION																
Patents By Year of Grant:	0	12	19	26	61	90	185	191	309	118	3	1	1	2	0	1018
Patents By Year of Application:	67	95	164	224	242	136	67	16	7	0	0	0	0	0	0	1018
UNIVERSITY OF PENNSYLVANIA																
Patents By Year of Grant:	341	59	31	52	45	29	32	43	49	39	45	38	78	59	78	1018
Patents By Year of Application:	469	49	56	52	60	69	51	56	49	36	29	25	10	7	0	1018

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	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
AVERY DENNISON CORPORATION																
Patents By Year of Grant:	240	72	67	55	67	75	56	44	40	51	38	43	53	53	62	1016
Patents By Year of Application:	417	53	72	76	66	43	54	56	44	50	31	17	13	22	2	1016
ASAHI KASEI KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	467	61	69	66	79	62	57	38	34	29	5	18	9	7	13	1014
Patents By Year of Application:	614	60	82	88	90	39	5	13	8	9	3	2	0	0	1	1014
DAIMLERCHRYSLER CORPORATION																
Patents By Year of Grant:	0	34	163	209	161	75	110	90	100	71	0	0	0	0	0	1013
Patents By Year of Application:	94	302	172	76	92	122	79	53	22	1	0	0	0	0	0	1013
PPG INDUSTRIES OHIO INC.																
Patents By Year of Grant:	0	71	96	104	66	79	67	55	59	51	79	50	87	75	72	1011
Patents By Year of Application:	198	110	71	74	79	95	82	70	75	63	47	24	14	8	1	1011
MITSUI TOATSU CHEMICALS INC.																
Patents By Year of Grant:	1004	2	2	0	0	0	0	1	0	0	0	0	0	0	0	1009
Patents By Year of Application:	1008	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1009
WOLVERINE WORLD WIDE INC.																
Patents By Year of Grant:	35	5	23	56	28	47	57	97	83	169	256	120	18	7	8	1009
Patents By Year of Application:	45	26	50	32	45	77	148	110	161	197	81	26	9	2	0	1009
LG CHEMICAL LTD.																
Patents By Year of Grant:	17	8	4	13	23	14	15	28	25	50	76	138	171	201	224	1007
Patents By Year of Application:	31	15	26	14	38	48	82	144	214	149	118	50	48	28	2	1007
SUNDSTRAND CORPORATION																
Patents By Year of Grant:	961	35	8	2	0	0	0	0	0	0	0	0	0	0	0	1006
Patents By Year of Application:	1006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1006
MITSUMI ELECTRIC CO., LTD.																
Patents By Year of Grant:	111	49	64	54	49	89	73	47	92	72	78	74	50	49	52	1003
Patents By Year of Application:	212	66	65	57	101	46	89	95	69	84	63	43	6	7	0	1003
SYMANTEC CORPORATION																
Patents By Year of Grant:	22	12	10	5	6	9	6	12	19	36	64	114	166	199	323	1003
Patents By Year of Application:	53	12	26	14	27	70	98	139	89	144	159	122	46	3	1	1003
MITSUI CHEMICALS, INCORPORATED																
Patents By Year of Grant:	43	110	98	108	105	66	72	62	42	42	31	35	54	59	75	1002
Patents By Year of Application:	306	79	93	101	96	70	57	54	44	46	29	15	9	3	0	1002
Other Organizations (239133)																
Patents By Year of Grant:	580423	77741	80866	85819	85549	85970	82352	71412	88970	84016	84883	87762	115340	119787	137503	1868393
Patents By Year of Application:	756111	90097	97776	103800	106838	103362	99339	97585	98157	95861	82953	65224	45255	22817	3218	1868393