

# ALL TECHNOLOGIES REPORT

JANUARY 1, 1963 -- DECEMBER 31, 2003



March 2004

U.S. PATENT AND TRADEMARK OFFICE  
OFFICE OF ELECTRONIC INFORMATION PRODUCTS / PTMD  
PK3 - SUITE 441; P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450  
tel (703) 306-2600 / FAX (703) 306-2737

*A PATENT TECHNOLOGY MONITORING DIVISION REPORT*

# All Technologies Report 1/1/1963 - 12/31/2003 Explanation of Data

This Patent Technology Monitoring Division (PTMD) report profiles utility patent activity (i.e., "patents for inventions") for U.S. patents granted between January 1963 and **December 2003** in all technology areas. The source of the data used for this report is the TAF database maintained by the Office of Electronic Information Products.

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

### **Parts A1 and A2**

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

Patent data, as shown in the "**Pre 1990**" column, corresponds to the period 1963 through **1989**.

### **Part B**

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since 1969. 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 25% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a utility patent and the issuing of the patent (i.e., the patent's "pendency") is now about 24 months, the patented application data for applications filed from **1999 to December 2003** are incomplete.\* This is because a significant number of the applications filed from **1999 to December 2003** which will ultimately become patents were still pending in **December 2003**. Since they had not yet become patents at the time this report was prepared, they were not included in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity since, for the most part, such fluctuations would be immune from changes in U.S. Patent and Trademark Office (PTO) processing such as occurred in years such as 1986 when the PTO issued fewer patents than would have normally been expected due to a lack of funds to print patents. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO workload

(which varies between technologies), budget and manpower levels, patent printing schedules, etc.

"Patents Granted By Date of Patent Application", as shown in the "**Pre 1990**" column, correspond to utility patent grants in the report that were filed prior to **1990**.

## Parts of the Report

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

**Patent ownership** information reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. and Foreign Corporations ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in this category. While U.S. Government patent ownership includes only patents granted to the Federal Government, no such distinction is made for Foreign Government 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. utility patents since 1969. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented applications were filed. Information 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.

\* As of **December 2003**, utility patent application data are approximately 91% complete for utility patent applications filed in 1999, 75% complete for applications filed in 2000, and 49 percent complete for applications filed in 2001. They are essentially complete for applications filed prior to 1999.

Part A1

Patent Grants as Distributed By Year of Patent Grant

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1963 - Dec 31, 2003) ----

	NUMBER OF PATENTS															
	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total
<b>Total</b>	1815531	90365	96511	97444	98342	101676	101419	109645	111984	147518	153486	157495	166037	167333	169028	3583814
<b>U.S. Origin</b>	1182124	47391	51177	52253	53231	56066	55739	61104	61708	80289	83906	85069	87605	86972	87901	2132535
<b>Foreign Origin</b>	633407	42974	45334	45191	45111	45610	45680	48541	50276	67229	69580	72426	78432	80361	81127	1451279
<b>JAPAN</b>	184348	19525	21025	21925	22293	22384	21764	23053	23179	30840	31104	31295	33224	34859	35517	556335
<b>GERMANY</b>	146010	7614	7680	7309	6893	6731	6600	6818	7008	9095	9337	10235	11259	11280	11444	265313
<b>UNITED KINGDOM</b>	70825	2789	2800	2425	2295	2234	2478	2453	2678	3464	3572	3667	3965	3837	3627	113109
<b>FRANCE</b>	54725	2866	3030	3029	2909	2779	2821	2788	2958	3674	3820	3819	4041	4035	3869	101163
<b>CANADA</b>	31144	1859	2037	1964	1944	2008	2104	2232	2379	2974	3226	3419	3606	3431	3426	67753
<b>SWITZERLAND</b>	31386	1284	1335	1197	1127	1169	1056	1112	1090	1279	1279	1322	1420	1364	1308	48728
<b>TAIWAN</b>	2341	732	906	1001	1189	1443	1620	1897	2057	3100	3693	4667	5371	5431	5298	40746
<b>ITALY</b>	19600	1259	1209	1271	1285	1215	1078	1200	1239	1584	1492	1714	1709	1751	1722	39328
<b>SWEDEN</b>	19681	768	716	626	636	706	806	854	867	1225	1401	1577	1741	1675	1521	34800
<b>NETHERLANDS</b>	17353	960	992	855	800	852	799	797	808	1226	1247	1241	1332	1391	1325	31978
<b>SOUTH KOREA</b>	599	225	405	538	779	943	1161	1493	1891	3259	3562	3314	3538	3786	3944	29437
<b>AUSTRALIA</b>	6402	432	463	409	378	467	459	471	478	720	707	705	875	859	900	14725
<b>BELGIUM</b>	6567	313	324	325	350	352	397	488	515	693	648	694	718	722	622	13728
<b>AUSTRIA</b>	6595	393	359	371	312	289	337	362	376	387	479	505	589	530	592	12476
<b>ISRAEL</b>	2877	299	304	335	314	350	384	484	534	754	743	783	970	1040	1193	11364
<b>FINLAND</b>	2885	304	331	361	293	312	358	444	452	595	649	618	732	809	865	10008
<b>DENMARK</b>	3862	158	210	193	197	207	199	241	333	392	487	436	479	426	529	8349
<b>U.S.S.R.</b>	6415	174	178	66	65	53	12	16	4	6	3	1		1	1	6995
<b>SPAIN</b>	1934	130	153	133	158	141	148	157	177	248	222	270	269	303	309	4752
<b>NORWAY</b>	2186	112	111	108	117	126	130	139	142	198	224	248	265	242	262	4610
<b>SOUTH AFRICA</b>	1981	114	105	97	93	101	123	111	101	115	110	111	120	113	112	3507
<b>HUNGARY</b>	1819	93	85	88	61	46	50	43	25	50	39	36	60	48	72	2615
<b>CHINA, HONG KONG S.A.R</b>	480	52	50	60	60	57	86	88	81	160	155	179	237	233	276	2254
<b>MEXICO</b>	1385	32	29	39	45	44	40	39	45	57	76	76	81	94	84	2166
<b>CZECHOSLOVAKIA</b>	1960	39	27	17	13	19	15	8	9	9	5	9	7	2	1	2140
<b>SINGAPORE</b>	100	12	15	32	38	51	53	88	94	120	144	218	296	410	427	2098
<b>NEW ZEALAND</b>	850	51	41	44	39	37	44	52	85	114	114	107	124	140	135	1977
<b>IRELAND</b>	543	54	56	55	53	50	50	78	73	74	94	123	143	133	166	1745
<b>CHINA P.REP.</b>	240	47	50	41	53	48	62	46	62	72	90	119	195	289	297	1711
<b>INDIA</b>	329	23	22	24	30	27	37	35	47	85	112	131	177	249	341	1669
<b>BRAZIL</b>	552	41	62	40	57	60	63	63	62	74	91	98	110	96	130	1599
<b>RUSSIAN FEDERATION</b>					3	38	98	116	111	189	181	183	234	200	202	1555
<b>ARGENTINA</b>	558	17	16	20	24	32	31	30	35	43	44	54	51	54	63	1072
<b>LUXEMBOURG</b>	423	17	27	26	28	22	24	18	22	20	22	40	33	37	35	794
<b>POLAND</b>	572	17	8	5	8	8	8	15	11	15	19	13	16	11	17	743
<b>VENEZUELA</b>	264	20	25	22	31	23	29	25	25	27	39	27	26	30	19	632
<b>Others ( 132 )</b>	3616	149	148	140	141	186	156	187	223	292	350	372	419	450	476	7305
<b>Ownership:</b>																
<b>U.S. Corporations</b>	900473	36094	39132	40308	41825	44036	44035	48741	50221	66052	69391	70884	74325	74161	75329	1675007
<b>U.S. Government</b>	37665	983	1183	1161	1167	1258	1028	923	944	1027	983	929	957	907	881	51996
<b>U.S. Individuals</b>	289097	12542	13207	12751	12281	12805	12885	13729	12914	16407	16698	16129	15205	14116	13538	484304
<b>Foreign Corporations</b>	483992	35548	37593	38239	38401	38788	38688	41477	42907	57667	60168	63182	68943	71663	73099	1190355
<b>Foreign Government</b>	7305	423	472	463	434	296	245	259	273	256	162	104	92	112	85	10981
<b>Foreign Individuals</b>	96999	4775	4924	4522	4234	4493	4538	4516	4725	6109	6084	6267	6515	6374	6096	171171



Part A2

Patent Grants as Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1963 - Dec 31, 2003) ----

	NUMBER OF PATENTED APPLICATIONS															
	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total
<b>Total</b>	1975071	99345	100235	103887	108243	123162	144031	144228	167798	163566	164105	147566	107900	33613	1064	3583814
U.S. Origin	1264824	53366	54074	57343	60674	68091	81499	77588	91000	88608	87743	76796	53478	16879	572	2132535
Foreign Origin	710247	45979	46161	46544	47569	55071	62532	66640	76798	74958	76362	70770	54422	16734	492	1451279
JAPAN	220250	22124	22868	22916	22509	26209	29003	30864	35563	32402	31183	30121	23341	6773	209	556335
GERMANY	159085	7512	6935	7012	6924	7647	8618	8833	10182	10145	11471	10524	8128	2257	40	265313
UNITED KINGDOM	75934	2601	2353	2289	2545	2957	3468	3377	3873	3862	3905	3214	2121	601	9	113109
FRANCE	59927	3055	2997	2950	2973	3188	3754	3560	4060	3911	4027	3628	2417	707	9	101163
CANADA	34327	1940	2062	1999	2313	2568	3070	2986	3440	3668	3482	3087	2119	670	22	67753
SWITZERLAND	33714	1200	1177	1139	1141	1239	1354	1230	1346	1356	1383	1289	909	243	8	48728
TAIWAN	3275	934	1116	1260	1574	1921	2256	2941	3545	4510	5614	4752	4714	2231	103	40746
ITALY	21729	1285	1251	1280	1199	1299	1498	1513	1671	1647	1686	1638	1277	347	8	39328
SWEDEN	20930	659	698	725	840	1014	1122	1168	1717	1722	1680	1370	923	228	4	34800
NETHERLANDS	19042	919	814	861	917	953	1079	1208	1403	1222	1261	1218	845	228	8	31978
SOUTH KOREA	1169	510	795	910	1038	1616	2124	3483	3836	3873	3437	3174	2550	894	28	29437
AUSTRALIA	7211	449	424	457	511	533	640	731	710	862	787	741	509	157	3	14725
BELGIUM	7136	336	349	345	411	527	709	690	679	705	698	611	387	138	7	13728
AUSTRIA	7218	397	332	311	330	407	454	406	463	526	560	525	414	130	3	12476
ISRAEL	3453	326	319	362	432	600	692	682	829	905	1100	895	610	155	4	11364
FINLAND	3427	350	354	333	368	475	549	692	744	696	790	665	466	99		10008
DENMARK	4166	232	203	183	238	289	454	358	468	469	492	401	306	88	2	8349
U.S.S.R.	6680	137	80	51	20	11	9	2	3	2						6995
SPAIN	2167	146	133	166	156	191	209	226	266	250	245	278	239	77	3	4752
NORWAY	2371	119	122	129	142	146	187	192	227	220	291	236	173	54	1	4610
SOUTH AFRICA	2175	98	88	97	144	138	101	112	108	120	122	106	86	11	1	3507
HUNGARY	1995	86	67	44	46	45	51	36	38	52	51	57	31	16		2615
CHINA,HONG KONG S.A.R	567	50	64	65	69	110	102	139	156	187	227	217	218	80	3	2254
MEXICO	1441	34	43	49	36	51	52	65	69	86	79	75	73	13		2166
CZECHOSLOVAKIA	2022	16	14	21	19	10	11	8	4	7	8					2140
SINGAPORE	127	19	32	60	55	99	101	138	173	217	316	356	287	114	4	2098
NEW ZEALAND	939	44	39	40	37	79	89	111	129	116	121	126	88	19		1977
IRELAND	642	54	57	52	52	99	80	82	111	151	125	117	94	29		1745
CHINA P.REP.	321	43	53	50	73	52	64	69	100	120	169	240	252	102	3	1711
INDIA	374	25	24	35	34	42	53	82	121	135	180	228	241	90	5	1669
BRAZIL	639	41	58	57	61	92	66	77	90	91	115	95	82	33	2	1599
RUSSIAN FEDERATION			2	27	97	128	147	187	193	184	237	193	131	29		1555
ARGENTINA	582	27	24	24	38	38	35	45	45	58	39	59	45	11	2	1072
LUXEMBOURG	456	25	29	25	18	32	20	25	32	32	32	40	21	7		794
POLAND	593	8	9	6	13	15	9	18	14	15	20	12	8	3		743
VENEZUELA	294	28	29	33	26	28	23	28	33	31	31	27	19	2		632
Others ( 132 )	3869	150	147	181	170	223	279	276	357	403	398	455	298	98	1	7305
<b>Ownership:</b>																
U.S. Corporations	965488	41000	42078	45221	47957	54403	67278	64461	76405	74566	74106	64224	44056	13315	449	1675007
U.S. Government	39749	1180	1192	1224	1219	1089	1151	915	952	900	778	802	607	230	8	51996
U.S. Individuals	308561	13346	12844	12939	13875	15209	16071	15290	16865	15786	15394	14050	10168	3767	139	484304
Foreign Corporations	548273	38656	39258	39794	40194	46926	53843	57559	67150	66242	67172	62197	48149	14545	397	1190355
Foreign Government	8112	473	421	342	265	290	294	243	168	109	101	101	43	19		10981
Foreign Individuals	104888	4690	4442	4367	4733	5245	5394	5760	6258	5963	6554	6192	4877	1737	71	171171

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1963 - Dec 31, 2003) ----

	PERCENT OF PATENTED APPLICATIONS															
	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	64	54	54	55	56	55	57	54	54	54	53	52	50	50	54	60
Foreign Origin	36	46	46	45	44	45	43	46	46	46	47	48	50	50	46	40
JAPAN	11	22	23	22	21	21	20	21	21	20	19	20	22	20	20	16
GERMANY	8	8	7	7	6	6	6	6	6	6	7	7	8	7	4	7
UNITED KINGDOM	4	3	2	2	2	2	2	2	2	2	2	2	2	2	1	3
FRANCE	3	3	3	3	3	3	3	2	2	2	2	2	2	2	1	3
CANADA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SWITZERLAND	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TAIWAN	1	1	1	1	1	2	2	2	2	3	3	3	4	7	10	1
ITALY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SWEDEN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NETHERLANDS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOUTH KOREA		1	1	1	1	1	1	2	2	2	2	2	2	3	3	1
AUSTRALIA								1		1		1				0
BELGIUM															1	0
AUSTRIA																0
ISRAEL										1	1	1	1			0
FINLAND																0
DENMARK																0
U.S.S.R.																0
SPAIN																0
NORWAY																0
SOUTH AFRICA																0
HUNGARY																0
CHINA,HONG KONG S.A.R																0
MEXICO																0
CZECHOSLOVAKIA																0
SINGAPORE																0
NEW ZEALAND																0
IRELAND																0
CHINA P.REP.																0
INDIA																0
BRAZIL																0
RUSSIAN FEDERATION																0
ARGENTINA																0
LUXEMBOURG																0
POLAND																0
VENEZUELA																0
Others ( 132 )																0
Ownership:																
U.S. Corporations	49	41	42	44	44	44	47	45	46	46	45	44	41	40	42	47
U.S. Government	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
U.S. Individuals	16	13	13	12	13	12	11	11	10	10	9	10	9	11	13	14
Foreign Corporations	28	39	39	38	37	38	37	40	40	40	41	42	45	43	37	33
Foreign Government																0
Foreign Individuals	5	5	4	4	4	4	4	4	4	4	4	4	5	5	7	5



**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, 1969 - Dec 31, 2003)												---- Ranked List of Organizations with 1000 or More Patents ----		
	Pre	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>INTERNATIONAL BUSINESS MACHINES CORPORATION</b>																
Patents By Year of Grant:	11439	609	679	843	1085	1298	1383	1869	1724	2657	2756	2886	3411	3288	3415	39342
Patents By Year of Application:	12736	877	1232	1499	1262	1842	2548	2705	3542	3602	3609	2258	1288	321	21	39342
<b>GENERAL ELECTRIC COMPANY</b>																
Patents By Year of Grant:	17764	787	809	937	932	970	758	819	664	729	699	787	1107	1416	1139	30317
Patents By Year of Application:	19151	900	885	953	869	885	841	737	764	911	1172	1194	852	199	4	30317
<b>CANON KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	6111	870	827	1109	1036	1096	1085	1528	1373	1919	1793	1890	1877	1892	1992	26398
Patents By Year of Application:	7660	992	1170	1262	1326	1920	2408	1990	2384	1610	1508	1121	852	189	6	26398
<b>HITACHI, LTD</b>																
Patents By Year of Grant:	9495	908	929	956	913	976	910	963	903	1094	1008	1036	1271	1601	1893	24856
Patents By Year of Application:	11521	1025	1003	919	915	985	1133	1003	1057	957	1193	1281	1317	532	15	24856
<b>TOSHIBA CORPORATION</b>																
Patents By Year of Grant:	6829	893	1014	1023	1039	968	969	914	862	1170	1200	1232	1149	1130	1184	21576
Patents By Year of Application:	8562	1039	1183	929	886	1088	1077	1238	1328	1277	1058	863	747	290	11	21576
<b>NEC CORPORATION</b>																
Patents By Year of Grant:	3043	437	428	453	594	897	1005	1043	1095	1627	1842	2021	1953	1821	1181	19440
Patents By Year of Application:	3869	420	612	885	778	1356	1266	1678	2315	2312	1960	1259	618	110	2	19440
<b>EASTMAN KODAK COMPANY</b>																
Patents By Year of Grant:	7327	721	863	775	1007	888	772	768	795	1124	992	875	719	694	748	19068
Patents By Year of Application:	8531	908	929	1038	785	759	780	1201	1090	1094	623	659	509	160	2	19068
<b>MITSUBISHI DENKI KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	3808	868	938	959	923	968	972	933	891	1080	1054	1010	1184	1373	1243	18204
Patents By Year of Application:	5366	970	1073	976	943	980	1113	1074	1173	1026	1066	1091	1021	323	9	18204
<b>MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.</b>																
Patents By Year of Grant:	4364	343	456	608	713	771	854	841	746	1034	1052	1137	1440	1544	1774	17677
Patents By Year of Application:	5096	592	747	782	856	926	963	1061	1273	1332	1426	1313	997	296	17	17677
<b>MOTOROLA, INC.</b>																
Patents By Year of Grant:	4717	394	613	660	729	837	1012	1064	1058	1406	1192	1196	778	712	610	16978
Patents By Year of Application:	5511	682	783	840	964	1219	1399	1395	1393	1016	659	729	281	105	2	16978
<b>SIEMENS AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	8557	508	475	398	371	376	419	418	454	626	722	912	793	674	660	16363
Patents By Year of Application:	9356	459	379	407	404	465	515	620	820	939	869	594	421	112	3	16363

---- Organizational Patenting		(Granted: Jan 01, 1969 - Dec 31, 2003)											---- Ranked List of Organizations with 1000 or More Patents ----			
	Pre															
	1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>SONY CORPORATION</b>																
Patents By Year of Grant:	3417	238	299	419	565	656	754	864	861	1316	1417	1385	1363	1434	1311	16299
Patents By Year of Application:	3940	385	561	729	754	930	1168	1450	1934	1482	1381	945	529	110	1	16299
<b>U.S. PHILIPS CORPORATION</b>																
Patents By Year of Grant:	9036	637	650	501	441	396	504	477	473	725	735	693	702	253	4	16227
Patents By Year of Application:	10150	554	495	441	458	570	671	741	803	685	466	172	21	0	0	16227
<b>AT&amp;T CORP.</b>																
Patents By Year of Grant:	10818	430	484	440	448	595	638	510	46	150	278	294	289	284	208	15912
Patents By Year of Application:	11594	492	461	565	690	474	209	218	485	328	218	105	59	14	0	15912
<b>E. I. DU PONT DE NEMOURS AND COMPANY</b>																
Patents By Year of Grant:	9126	481	597	599	568	486	441	395	311	393	338	338	330	312	340	15055
Patents By Year of Application:	10011	640	551	505	456	425	427	364	403	330	329	327	225	59	3	15055
<b>XEROX CORPORATION</b>																
Patents By Year of Grant:	6093	252	354	473	561	611	551	703	606	769	665	569	716	693	613	14229
Patents By Year of Application:	6600	485	560	588	653	703	720	691	640	842	742	550	312	140	3	14229
<b>FUJI PHOTO FILM CO., LTD</b>																
Patents By Year of Grant:	5516	768	734	641	632	545	504	510	467	547	539	542	583	687	804	14019
Patents By Year of Application:	6867	659	647	570	516	524	549	623	661	538	564	672	492	133	4	14019
<b>FUJITSU LIMITED</b>																
Patents By Year of Grant:	2103	261	358	412	452	592	724	869	903	1189	1192	1146	1166	1211	1302	13880
Patents By Year of Application:	2652	435	546	602	685	1017	1227	1285	1400	1377	1015	801	620	206	12	13880
<b>BAYER AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	8212	499	492	472	443	342	327	323	357	381	341	304	362	398	348	13601
Patents By Year of Application:	9056	482	392	419	357	345	398	415	383	281	347	306	316	101	3	13601
<b>UNITED STATES OF AMERICA, NAVY</b>																
Patents By Year of Grant:	8434	265	381	297	344	378	330	285	288	341	348	351	313	378	358	13091
Patents By Year of Application:	9106	353	313	354	356	308	329	326	359	341	270	291	263	118	4	13091
<b>GENERAL MOTORS CORPORATION</b>																
Patents By Year of Grant:	8240	379	437	399	438	331	282	297	277	305	275	254	176	190	291	12571
Patents By Year of Application:	8753	396	451	441	340	325	312	311	264	278	169	204	211	113	3	12571
<b>WESTINGHOUSE ELECTRIC CORP.</b>																
Patents By Year of Grant:	9832	436	354	358	276	248	170	132	72	81	11	4	0	1	0	11975
Patents By Year of Application:	10522	375	305	228	194	182	86	53	28	1	0	1	0	0	0	11975

---- Organizational Patenting		(Granted: Jan 01, 1969 - Dec 31, 2003)											---- Ranked List of Organizations with 1000 or More Patents ----			
	Pre															
	1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>TEXAS INSTRUMENTS, INCORPORATED</b>																
Patents By Year of Grant:	4068	285	373	394	369	479	527	600	607	611	598	686	799	717	764	11877
Patents By Year of Application:	4699	398	407	437	559	738	828	556	751	680	720	505	421	176	2	11877
<b>SAMSUNG ELECTRONICS CO., LTD.</b>																
Patents By Year of Grant:	44	61	148	250	347	412	423	485	584	1305	1542	1437	1446	1328	1313	11125
Patents By Year of Application:	268	231	377	408	418	497	656	1530	1599	1789	1317	942	781	303	9	11125
<b>DOW CHEMICAL COMPANY</b>																
Patents By Year of Grant:	7499	400	332	320	328	267	226	196	163	174	141	133	167	118	42	10506
Patents By Year of Application:	8172	313	289	271	265	230	225	175	153	121	132	117	34	9	0	10506
<b>BASF AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	4781	394	384	396	360	318	301	317	276	399	414	509	486	473	393	10201
Patents By Year of Application:	5462	384	346	315	330	327	384	361	476	510	479	429	315	82	1	10201
<b>ROBERT BOSCH GMBH</b>																
Patents By Year of Grant:	4123	204	261	278	363	316	312	306	267	348	419	547	700	679	753	9876
Patents By Year of Application:	4473	285	332	373	304	338	312	387	487	511	719	631	565	158	1	9876
<b>HEWLETT-PACKARD COMPANY</b>																
Patents By Year of Grant:	1520	218	318	344	338	428	470	501	530	805	850	901	978	1061	403	9665
Patents By Year of Application:	2018	336	393	413	449	553	661	879	1004	935	867	650	481	26	0	9665
<b>MICRON TECHNOLOGY, INC.</b>																
Patents By Year of Grant:	12	34	77	114	172	105	63	125	318	581	934	1304	1643	1834	1707	9023
Patents By Year of Application:	65	109	143	174	75	96	384	674	1176	1457	1405	1509	1278	456	22	9023
<b>MINNESOTA MINING AND MANUFACTURING COMPANY</b>																
Patents By Year of Grant:	4331	323	365	388	414	519	564	537	548	554	317	50	14	11	6	8941
Patents By Year of Application:	4912	402	414	454	534	625	694	527	321	42	8	5	3	0	0	8941
<b>CIBA-GEIGY CORPORATION</b>																
Patents By Year of Grant:	5973	409	414	319	332	299	272	271	238	16	4	3	0	2	0	8552
Patents By Year of Application:	6671	352	317	289	290	309	279	43	1	0	1	0	0	0	0	8552
<b>SHARP KABUSHIKI KAISHA (SHARP CORPORATION)</b>																
Patents By Year of Grant:	1813	350	385	393	373	454	388	352	395	560	521	586	526	534	493	8123
Patents By Year of Application:	2502	392	428	446	408	398	507	562	591	613	439	463	297	76	1	8123
<b>HOECHST AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	4746	282	282	331	356	335	311	351	353	327	152	82	18	18	8	7952
Patents By Year of Application:	5319	282	297	367	331	370	496	226	203	39	13	4	4	1	0	7952

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)</b>																
Patents By Year of Grant:	2580	366	245	195	243	223	248	293	341	389	461	463	562	653	647	7909
Patents By Year of Application:	3149	185	217	255	240	301	406	371	468	517	428	676	523	172	1	7909
<b>UNITED STATES OF AMERICA, ARMY</b>																
Patents By Year of Grant:	5747	132	171	144	153	186	172	137	168	165	139	142	161	145	129	7891
Patents By Year of Application:	5995	139	148	178	179	178	203	172	139	153	136	139	97	34	1	7891
<b>RCA CORPORATION</b>																
Patents By Year of Grant:	7887	0	1	0	0	0	0	0	0	0	0	0	0	0	0	7888
Patents By Year of Application:	7888	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7888
<b>PHILLIPS PETROLEUM COMPANY</b>																
Patents By Year of Grant:	6130	131	157	171	193	149	101	91	76	75	72	113	89	80	48	7676
Patents By Year of Application:	6364	181	169	172	121	99	126	63	70	120	87	73	25	5	1	7676
<b>INTEL CORPORATION</b>																
Patents By Year of Grant:	300	45	56	73	125	203	271	423	405	701	733	795	809	1077	1592	7608
Patents By Year of Application:	389	74	113	208	324	455	613	827	978	985	1051	810	552	212	17	7608
<b>RICOH COMPANY, LTD.</b>																
Patents By Year of Grant:	2460	293	314	360	287	304	273	295	336	406	411	416	375	326	410	7266
Patents By Year of Application:	2995	382	306	316	291	337	376	415	442	411	370	292	257	73	3	7266
<b>NISSAN MOTOR COMPANY, LIMITED</b>																
Patents By Year of Grant:	4045	375	334	340	212	139	119	102	138	164	211	251	260	249	260	7199
Patents By Year of Application:	4668	318	283	159	110	119	154	179	203	252	220	236	218	79	1	7199
<b>MOBIL OIL CORP.</b>																
Patents By Year of Grant:	4784	355	366	299	284	286	202	167	91	67	72	70	52	14	4	7113
Patents By Year of Application:	5374	309	323	282	239	208	137	53	68	68	47	5	0	0	0	7113
<b>ADVANCED MICRO DEVICES, INC.</b>																
Patents By Year of Grant:	383	83	83	71	85	86	129	179	271	556	824	1053	1086	1154	905	6948
Patents By Year of Application:	544	101	55	89	129	198	392	558	1112	986	924	1023	624	208	5	6948
<b>LUCENT TECHNOLOGIES INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	289	768	928	1152	1411	1109	662	621	6940
Patents By Year of Application:	4	1	10	13	65	388	900	938	1259	1638	1213	395	96	20	0	6940
<b>TOYOTA JIDOSHA K.K.</b>																
Patents By Year of Grant:	3479	153	149	149	145	132	156	158	211	387	402	342	330	296	273	6762
Patents By Year of Application:	3708	160	138	155	155	164	209	394	494	335	304	261	238	44	3	6762

---- Organizational Patenting		(Granted: Jan 01, 1969 - Dec 31, 2003)														---- Ranked List of Organizations with 1000 or More Patents ----	
	Pre																
	1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL	
<b>UNISYS CORPORATION</b>																	
Patents By Year of Grant:	5309	82	99	85	51	80	112	133	109	122	91	97	107	118	99	6694	
Patents By Year of Application:	5508	69	63	74	117	133	136	120	129	140	113	54	29	9	0	6694	
<b>PROCTER + GAMBLE COMPANY</b>																	
Patents By Year of Grant:	2157	127	146	156	155	205	226	346	406	454	550	465	426	433	438	6690	
Patents By Year of Application:	2397	146	148	183	247	340	475	575	574	397	429	433	268	76	2	6690	
<b>SHELL OIL COMPANY</b>																	
Patents By Year of Grant:	4281	263	267	270	223	226	161	125	123	143	131	132	127	79	100	6651	
Patents By Year of Application:	4671	272	244	233	197	174	154	156	143	125	104	95	71	11	1	6651	
<b>UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY</b>																	
Patents By Year of Grant:	4963	223	195	242	172	199	114	71	68	61	53	56	66	45	42	6570	
Patents By Year of Application:	5342	210	220	173	165	77	69	65	55	54	48	51	29	12	0	6570	
<b>ALLIED-SIGNAL INC.</b>																	
Patents By Year of Grant:	3790	246	250	319	245	270	196	189	119	140	147	183	162	67	39	6362	
Patents By Year of Application:	4239	277	308	259	218	173	156	160	158	169	190	31	18	6	0	6362	
<b>EXXON RESEARCH + ENGINEERING CO.</b>																	
Patents By Year of Grant:	4632	126	136	111	109	127	89	72	73	105	122	101	70	8	1	5882	
Patents By Year of Application:	4846	129	119	105	109	89	99	81	119	113	64	8	1	0	0	5882	
<b>FORD MOTOR COMPANY</b>																	
Patents By Year of Grant:	3240	155	180	229	286	320	334	381	265	147	151	102	27	18	46	5881	
Patents By Year of Application:	3494	212	246	303	395	360	345	156	145	113	43	44	11	13	1	5881	
<b>CATERPILLAR INC.</b>																	
Patents By Year of Grant:	3354	52	76	60	107	107	143	206	212	197	262	334	258	246	220	5834	
Patents By Year of Application:	3427	86	84	117	134	205	229	263	262	297	289	245	162	32	2	5834	
<b>UNITED TECHNOLOGIES CORPORATION</b>																	
Patents By Year of Grant:	3708	152	164	235	205	203	214	159	123	116	107	118	101	78	58	5741	
Patents By Year of Application:	4037	177	227	219	200	206	141	110	116	116	89	41	50	11	1	5741	
<b>MONSANTO COMPANY, INC.</b>																	
Patents By Year of Grant:	4514	84	129	129	103	76	75	82	97	77	83	77	63	10	11	5610	
Patents By Year of Application:	4729	115	95	89	86	83	117	76	92	54	54	15	5	0	0	5610	
<b>OLYMPUS OPTICAL CO., LTD.</b>																	
Patents By Year of Grant:	2234	179	161	197	203	228	210	223	213	278	222	281	253	260	251	5393	
Patents By Year of Application:	2520	205	223	221	277	254	264	237	243	262	262	228	160	36	1	5393	

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>MINOLTA CAMERA CO., LTD.</b>																
Patents By Year of Grant:	1806	376	315	282	237	160	114	164	158	304	365	333	305	240	221	5380
Patents By Year of Application:	2437	290	266	187	140	181	194	285	426	383	280	200	96	15	0	5380
<b>IMPERIAL CHEMICAL INDUSTRIES PLC</b>																
Patents By Year of Grant:	3937	178	181	189	232	128	93	66	61	63	44	40	39	25	17	5293
Patents By Year of Application:	4319	158	193	169	91	74	86	62	41	34	37	17	7	5	0	5293
<b>HUGHES AIRCRAFT COMPANY</b>																
Patents By Year of Grant:	2733	252	350	296	327	411	323	272	130	50	6	1	0	0	0	5151
Patents By Year of Application:	3267	309	347	412	344	253	168	48	3	0	0	0	0	0	0	5151
<b>MERCK + CO., INC.</b>																
Patents By Year of Grant:	2821	134	152	164	222	163	125	126	161	178	216	182	185	174	132	5135
Patents By Year of Application:	3049	163	202	229	131	162	162	144	227	205	174	157	107	22	1	5135
<b>AMERICAN CYANAMID COMPANY</b>																
Patents By Year of Grant:	3754	136	106	126	135	148	98	106	107	112	111	66	69	31	10	5115
Patents By Year of Application:	3978	131	125	137	144	110	183	50	81	61	71	38	6	0	0	5115
<b>NIKON CORPORATION</b>																
Patents By Year of Grant:	1182	73	84	104	132	113	224	423	479	575	365	278	285	245	299	4861
Patents By Year of Application:	1296	85	138	121	172	386	624	502	504	278	276	283	150	45	1	4861
<b>UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION</b>																
Patents By Year of Grant:	3225	128	151	151	166	160	122	104	96	95	93	96	91	84	80	4842
Patents By Year of Application:	3452	138	170	159	167	125	110	96	94	99	69	87	53	22	1	4842
<b>ROCKWELL INTERNATIONAL CORPORATION</b>																
Patents By Year of Grant:	3687	115	152	124	136	150	117	119	75	77	67	11	6	1	1	4838
Patents By Year of Application:	3945	126	146	137	133	114	120	60	45	8	3	0	1	0	0	4838
<b>UOP</b>																
Patents By Year of Grant:	3465	120	99	103	115	103	109	97	60	88	107	104	84	95	67	4816
Patents By Year of Application:	3648	99	98	124	95	128	83	79	92	111	121	83	43	12	0	4816
<b>HONEYWELL INC.</b>																
Patents By Year of Grant:	3026	167	162	137	139	167	173	126	100	123	128	101	48	26	20	4643
Patents By Year of Application:	3321	151	155	155	184	133	113	132	147	89	51	7	3	2	0	4643
<b>UNITED STATES OF AMERICA, AIR FORCE</b>																
Patents By Year of Grant:	3231	101	135	139	132	131	80	99	86	79	90	76	100	68	68	4615
Patents By Year of Application:	3446	144	130	125	105	98	99	84	81	83	81	67	52	20	0	4615

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>UNION CARBIDE CORPORATION</b>																
Patents By Year of Grant:	4541	43	8	0	0	0	0	0	0	0	0	0	0	2	0	4594
Patents By Year of Application:	4592	0	0	0	0	1	1	0	0	0	0	0	0	0	0	4594
<b>UNIVERSITY OF CALIFORNIA, THE REGENTS OF</b>																
Patents By Year of Grant:	684	63	83	79	112	153	203	255	264	386	434	432	401	430	437	4416
Patents By Year of Application:	856	91	115	129	238	319	471	369	401	431	405	336	190	61	4	4416
<b>TEXACO INC.</b>																
Patents By Year of Grant:	3507	115	100	107	109	87	107	65	25	34	35	43	25	19	16	4394
Patents By Year of Application:	3681	113	110	101	94	86	46	31	32	48	23	14	15	0	0	4394
<b>BOEING COMPANY</b>																
Patents By Year of Grant:	2109	192	197	182	106	80	93	97	114	157	147	136	163	199	266	4238
Patents By Year of Application:	2521	161	131	88	93	68	210	148	117	138	124	154	207	77	1	4238
<b>EATON CORPORATION</b>																
Patents By Year of Grant:	2012	143	114	141	134	148	165	182	145	164	222	194	148	156	139	4207
Patents By Year of Application:	2210	134	133	154	185	188	144	174	185	196	174	180	106	42	2	4207
<b>SEIKO EPSON CORPORATION</b>																
Patents By Year of Grant:	147	55	92	133	169	148	146	179	225	312	302	396	498	618	764	4184
Patents By Year of Application:	298	135	154	170	186	216	296	308	369	454	520	491	433	150	4	4184
<b>SUMITOMO CHEMICAL COMPANY, LIMITED</b>																
Patents By Year of Grant:	2090	114	146	130	147	164	139	138	123	148	136	149	168	187	174	4153
Patents By Year of Application:	2336	121	134	159	149	187	158	143	150	132	165	150	128	39	2	4153
<b>TRW INC.</b>																
Patents By Year of Grant:	2025	52	40	50	82	104	96	98	101	144	200	275	309	227	134	3937
Patents By Year of Application:	2118	43	85	112	90	83	132	177	221	268	283	210	106	9	0	3937
<b>KONICA CORPORATION</b>																
Patents By Year of Grant:	1400	211	225	203	222	228	177	155	125	166	159	152	148	177	146	3894
Patents By Year of Application:	1730	248	223	196	186	187	161	162	178	181	153	144	109	35	1	3894
<b>PPG INDUSTRIES INC.</b>																
Patents By Year of Grant:	3101	100	94	69	83	60	52	51	74	97	44	0	0	0	0	3825
Patents By Year of Application:	3277	86	81	47	65	66	78	71	53	1	0	0	0	0	0	3825
<b>HOFFMANN-LA ROCHE INC.</b>																
Patents By Year of Grant:	2661	78	78	72	87	89	103	106	79	72	70	61	77	73	84	3790
Patents By Year of Application:	2829	79	60	92	89	119	97	58	65	56	64	77	71	30	4	3790



---- Organizational Patenting		(Granted: Jan 01, 1969 - Dec 31, 2003)														---- Ranked List of Organizations with 1000 or More Patents ----	
	Pre	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL	
<b>ELI LILLY AND COMPANY</b>																	
Patents By Year of Grant:	1873	73	66	63	79	77	147	245	222	180	189	161	115	116	87	3693	
Patents By Year of Application:	2002	68	65	99	158	157	380	110	213	157	108	89	61	23	3	3693	
<b>AMP INCORPORATED</b>																	
Patents By Year of Grant:	2811	224	267	231	129	2	0	1	0	0	0	0	0	0	0	3665	
Patents By Year of Application:	3116	225	212	111	0	1	0	0	0	0	0	0	0	0	0	3665	
<b>TELEFONAKTIEBOLAGET LM ERICSSON</b>																	
Patents By Year of Grant:	554	24	28	36	46	66	80	151	113	204	365	463	507	510	471	3618	
Patents By Year of Application:	593	52	56	58	96	134	222	247	591	630	508	314	108	9	0	3618	
<b>CORNING INCORPORATED</b>																	
Patents By Year of Grant:	1915	83	59	82	102	104	72	85	78	72	102	111	214	247	257	3583	
Patents By Year of Application:	2036	73	90	108	96	104	95	54	105	124	257	237	158	46	0	3583	
<b>GOODYEAR TIRE + RUBBER COMPANY</b>																	
Patents By Year of Grant:	2153	83	88	64	82	82	64	70	93	108	73	101	138	192	170	3561	
Patents By Year of Application:	2291	82	75	80	61	72	97	104	113	107	127	186	132	31	3	3561	
<b>FMC CORPORATION</b>																	
Patents By Year of Grant:	2596	76	78	77	80	71	53	70	71	97	80	73	47	46	16	3531	
Patents By Year of Application:	2731	72	95	58	72	72	75	91	93	63	46	50	12	1	0	3531	
<b>GTE PRODUCTS CORPORATION</b>																	
Patents By Year of Grant:	3025	125	148	94	79	35	8	2	0	3	1	2	0	0	0	3522	
Patents By Year of Application:	3239	111	100	63	7	2	0	0	0	0	0	0	0	0	0	3522	
<b>SUN MICROSYSTEMS, INC.</b>																	
Patents By Year of Grant:	15	13	21	53	64	69	63	113	152	423	560	465	436	502	564	3513	
Patents By Year of Application:	63	52	54	76	65	118	314	602	647	479	454	292	226	70	1	3513	
<b>SANYO ELECTRIC CO., LTD.</b>																	
Patents By Year of Grant:	651	111	133	117	119	123	115	130	164	251	239	251	286	367	373	3430	
Patents By Year of Application:	857	135	112	104	144	163	177	268	274	303	274	326	224	69	0	3430	
<b>ASAHI KOGAKU KOGYO KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	836	104	151	172	209	204	136	168	151	270	278	233	234	246	8	3400	
Patents By Year of Application:	1053	191	200	209	150	187	179	223	299	246	236	164	62	1	0	3400	
<b>NIPPONDENSO CO., LTD.</b>																	
Patents By Year of Grant:	1576	76	76	86	123	161	183	311	312	308	99	34	19	6	1	3371	
Patents By Year of Application:	1714	74	108	164	203	266	389	364	57	18	8	5	1	0	0	3371	

---- Organizational Patenting		(Granted: Jan 01, 1969 - Dec 31, 2003)													---- Ranked List of Organizations with 1000 or More Patents ----	
	Pre															
	1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>SUMITOMO ELECTRIC INDUSTRIES CO., LTD.</b>																
Patents By Year of Grant:	863	126	131	178	232	233	233	209	172	158	162	136	156	170	183	3342
Patents By Year of Application:	1101	145	204	271	208	262	249	145	162	134	139	158	129	35	0	3342
<b>MURATA MANUFACTURING CO., LTD.</b>																
Patents By Year of Grant:	417	69	90	83	66	103	118	151	150	217	268	302	320	444	446	3244
Patents By Year of Application:	544	81	70	97	120	170	169	242	292	280	354	416	315	92	2	3244
<b>DAIMLER-BENZ AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	1815	107	107	97	120	95	104	129	159	241	174	36	17	2	1	3204
Patents By Year of Application:	1978	101	104	111	107	142	173	215	197	72	3	0	1	0	0	3204
<b>POLAROID CORPORATION</b>																
Patents By Year of Grant:	2611	51	36	39	39	40	55	59	60	60	54	35	20	12	24	3195
Patents By Year of Application:	2692	32	50	30	48	72	70	62	58	28	15	24	9	5	0	3195
<b>PFIZER INC.</b>																
Patents By Year of Grant:	1580	82	91	81	66	76	75	83	102	117	112	153	172	187	196	3173
Patents By Year of Application:	1721	97	69	89	83	117	111	73	132	99	212	192	133	44	1	3173
<b>CHEVRON RESEARCH &amp; TECHNOLOGY CO.</b>																
Patents By Year of Grant:	2771	59	77	85	73	64	24	5	5	0	1	0	2	0	0	3166
Patents By Year of Application:	2880	101	64	72	36	9	2	1	0	0	0	1	0	0	0	3166
<b>ITT CORPORATION</b>																
Patents By Year of Grant:	2629	57	59	62	61	79	81	62	34	22	11	2	0	0	0	3159
Patents By Year of Application:	2719	66	71	70	89	70	55	13	5	1	0	0	0	0	0	3159
<b>NCR CORPORATION</b>																
Patents By Year of Grant:	1484	84	92	86	98	90	50	39	80	167	189	138	132	161	166	3056
Patents By Year of Application:	1654	101	111	92	65	46	118	174	221	157	153	102	53	8	1	3056
<b>UPJOHN COMPANY</b>																
Patents By Year of Grant:	2840	26	23	31	30	23	23	33	21	1	1	0	1	0	0	3053
Patents By Year of Application:	2889	24	31	28	30	26	23	2	0	0	0	0	0	0	0	3053
<b>YAZAKI CORP.</b>																
Patents By Year of Grant:	148	99	65	112	124	119	115	171	238	290	307	304	335	311	311	3049
Patents By Year of Application:	268	73	143	116	142	188	220	320	319	301	283	345	245	85	1	3049
<b>AISIN SEIKI KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	1500	133	162	131	94	71	62	91	73	116	137	110	109	127	108	3024
Patents By Year of Application:	1722	156	112	80	72	84	89	119	129	124	117	84	112	24	0	3024

---- Organizational Patenting		(Granted: Jan 01, 1969 - Dec 31, 2003)													---- Ranked List of Organizations with 1000 or More Patents ----	
	Pre	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>L'OREAL S.A.</b>																
Patents By Year of Grant:	855	74	85	71	79	70	72	126	165	182	259	227	268	280	208	3021
Patents By Year of Application:	1009	67	75	70	81	136	222	215	264	204	270	262	127	19	0	3021
<b>THOMSON-CSF</b>																
Patents By Year of Grant:	1992	114	138	107	90	84	90	52	52	66	67	47	46	46	21	3012
Patents By Year of Application:	2219	120	100	94	74	70	72	55	63	55	37	36	17	0	0	3012
<b>BROTHER KOGYO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	481	178	261	217	165	155	117	133	149	209	263	224	188	115	105	2960
Patents By Year of Application:	791	272	181	174	132	165	161	256	260	289	127	74	54	24	0	2960
<b>PIONEER ELECTRONIC CORPORATION</b>																
Patents By Year of Grant:	969	154	180	235	220	173	148	101	110	141	139	130	120	64	36	2920
Patents By Year of Application:	1277	231	207	191	149	124	114	152	170	151	120	16	15	3	0	2920
<b>RAYTHEON COMPANY</b>																
Patents By Year of Grant:	1377	80	85	85	72	51	45	10	20	117	219	205	182	157	184	2889
Patents By Year of Application:	1592	66	92	47	56	30	53	143	237	142	132	133	113	53	0	2889
<b>DEERE + COMPANY</b>																
Patents By Year of Grant:	1664	89	91	62	85	57	67	64	55	70	84	69	122	119	154	2852
Patents By Year of Application:	1779	80	76	77	72	61	69	63	81	77	118	131	130	36	2	2852
<b>NATIONAL SEMICONDUCTOR CORPORATION</b>																
Patents By Year of Grant:	574	59	95	103	119	149	186	201	188	178	197	187	183	208	217	2844
Patents By Year of Application:	697	110	111	157	157	217	259	167	174	227	183	172	146	67	0	2844
<b>BENDIX CORPORATION(NOW ALLIED-SIGNAL INC.)</b>																
Patents By Year of Grant:	2825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2825
Patents By Year of Application:	2825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2825
<b>W. R. GRACE &amp; CO.-CONN.</b>																
Patents By Year of Grant:	1803	105	121	129	122	116	86	85	73	56	28	16	30	28	23	2821
Patents By Year of Application:	2013	114	135	100	110	71	116	43	33	20	18	23	20	5	0	2821
<b>MICROSOFT CORPORATION</b>																
Patents By Year of Grant:	4	3	2	7	15	23	46	97	199	334	352	344	396	499	499	2820
Patents By Year of Application:	19	11	7	66	68	155	266	374	489	577	482	231	58	16	1	2820
<b>FUJI XEROX CO., LTD.</b>																
Patents By Year of Grant:	504	57	73	116	137	159	182	172	182	277	248	192	158	182	174	2813
Patents By Year of Application:	629	137	128	160	183	165	245	295	270	174	162	144	100	20	1	2813

---- Organizational Patenting		(Granted: Jan 01, 1969 - Dec 31, 2003)														---- Ranked List of Organizations with 1000 or More Patents ----	
	Pre	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL	
<b>ABBOTT LABORATORIES</b>																	
Patents By Year of Grant:	987	64	80	128	127	144	116	182	189	164	149	128	124	115	114	2811	
Patents By Year of Application:	1149	87	139	130	138	155	283	174	147	118	120	90	63	17	1	2811	
<b>APPLIED MATERIALS, INC.</b>																	
Patents By Year of Grant:	46	15	16	38	52	56	68	97	93	176	264	386	433	503	537	2780	
Patents By Year of Application:	70	31	55	55	82	109	172	274	357	352	404	506	242	69	2	2780	
<b>HOECHST CELANESE CORPORATION</b>																	
Patents By Year of Grant:	1691	188	128	133	113	93	78	72	75	68	25	10	3	0	0	2677	
Patents By Year of Application:	1969	136	120	99	78	79	92	61	38	3	2	0	0	0	0	2677	
<b>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</b>																	
Patents By Year of Grant:	1000	109	101	125	112	99	104	119	102	138	142	113	125	135	127	2651	
Patents By Year of Application:	1252	110	108	97	114	147	138	116	125	145	134	102	50	13	0	2651	
<b>OKI ELECTRIC INDUSTRY CO., LTD.</b>																	
Patents By Year of Grant:	444	82	96	111	113	101	80	78	67	120	200	223	298	324	294	2631	
Patents By Year of Application:	598	97	142	87	84	93	107	105	245	298	250	271	170	83	1	2631	
<b>OLIN CORPORATION</b>																	
Patents By Year of Grant:	1988	74	105	114	72	74	47	56	28	21	14	17	4	5	4	2623	
Patents By Year of Application:	2124	119	83	73	64	52	44	18	18	13	8	5	2	0	0	2623	
<b>AGFA-GEVAERT, AG</b>																	
Patents By Year of Grant:	2142	52	53	33	36	40	39	19	39	50	54	13	6	14	6	2596	
Patents By Year of Application:	2226	36	35	42	35	38	49	40	51	20	12	8	3	1	0	2596	
<b>ALPS ELECTRIC CO., LTD.</b>																	
Patents By Year of Grant:	928	90	83	78	46	36	42	39	76	99	151	193	263	210	252	2586	
Patents By Year of Application:	1071	70	60	46	40	52	74	113	179	193	244	234	170	37	3	2586	
<b>COLGATE-PALMOLIVE COMPANY</b>																	
Patents By Year of Grant:	1437	60	69	53	52	52	65	71	66	110	138	91	95	121	87	2567	
Patents By Year of Application:	1561	55	57	42	61	86	57	108	109	77	86	97	81	76	14	2567	
<b>DOW CORNING CORPORATION</b>																	
Patents By Year of Grant:	1190	122	135	144	93	132	106	107	88	108	105	75	58	51	46	2560	
Patents By Year of Application:	1393	139	114	107	125	126	110	109	88	88	63	43	39	15	1	2560	
<b>TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.</b>																	
Patents By Year of Grant:	1	0	4	5	8	12	25	74	130	218	290	385	529	448	431	2560	
Patents By Year of Application:	1	6	9	9	13	32	107	250	309	381	573	328	342	196	4	2560	

---- Organizational Patenting		(Granted: Jan 01, 1969 - Dec 31, 2003)														---- Ranked List of Organizations with 1000 or More Patents ----	
	Pre	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL	
<b>COMMISSARIAT A L'ENERGIE ATOMIQUE</b>																	
Patents By Year of Grant:	1559	70	49	69	51	62	40	69	79	88	81	62	83	86	82	2530	
Patents By Year of Application:	1668	61	61	54	51	71	85	94	93	62	92	69	53	16	0	2530	
<b>AMOCO CORPORATION</b>																	
Patents By Year of Grant:	1515	188	149	185	141	87	56	67	55	67	16	0	0	0	0	2526	
Patents By Year of Application:	1846	172	151	88	69	64	71	42	22	1	0	0	0	0	0	2526	
<b>UNITED MICROELECTRONICS CORPORATION</b>																	
Patents By Year of Grant:	0	1	0	5	10	48	150	170	149	174	266	430	584	277	188	2452	
Patents By Year of Application:	1	4	5	8	71	224	188	205	226	520	482	270	194	53	1	2452	
<b>WARNER-LAMBERT COMPANY</b>																	
Patents By Year of Grant:	1282	108	120	92	85	79	81	66	87	62	80	84	81	72	69	2448	
Patents By Year of Application:	1473	108	81	69	86	99	104	39	67	97	86	62	52	24	1	2448	
<b>ATLANTIC RICHFIELD COMPANY</b>																	
Patents By Year of Grant:	1866	65	61	57	66	68	60	37	27	34	41	36	19	3	1	2441	
Patents By Year of Application:	1966	66	61	66	68	46	43	31	31	36	21	5	1	0	0	2441	
<b>LSI LOGIC CORPORATION</b>																	
Patents By Year of Grant:	18	5	10	20	39	45	78	127	168	229	339	325	289	308	375	2375	
Patents By Year of Application:	33	21	27	59	91	114	231	307	395	370	205	211	236	75	0	2375	
<b>LUCAS INDUSTRIES PUBLIC LTD. COMPANY</b>																	
Patents By Year of Grant:	1664	72	74	40	40	33	48	50	54	58	50	45	67	43	26	2364	
Patents By Year of Application:	1775	60	44	35	39	56	61	58	53	55	55	43	24	6	0	2364	
<b>NORTHERN TELECOM LIMITED</b>																	
Patents By Year of Grant:	1192	75	78	68	73	84	82	103	64	199	240	70	19	11	2	2360	
Patents By Year of Application:	1318	80	66	66	112	92	106	247	217	53	3	0	0	0	0	2360	
<b>MAZDA MOTOR CORPORATION</b>																	
Patents By Year of Grant:	953	133	200	203	173	133	108	59	62	66	56	63	54	44	44	2351	
Patents By Year of Application:	1186	212	208	147	130	108	54	62	61	53	35	47	37	11	0	2351	
<b>INSTITUT FRANCAIS DU PETROLE</b>																	
Patents By Year of Grant:	957	72	82	56	71	89	73	69	86	142	102	160	154	118	109	2340	
Patents By Year of Application:	1093	68	64	84	87	76	114	119	146	144	145	131	57	12	0	2340	
<b>HYUNDAI ELECTRONICS INDUSTRIES CO., LTD.</b>																	
Patents By Year of Grant:	0	1	14	19	23	54	79	138	154	212	242	294	533	391	179	2333	
Patents By Year of Application:	8	22	29	31	71	127	173	256	302	325	448	384	134	23	0	2333	

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>AMERICAN HOME PRODUCTS CORPORATION</b>																
Patents By Year of Grant:	1594	66	46	56	66	31	58	96	34	50	47	46	72	61	2	2325
Patents By Year of Application:	1680	44	61	59	45	72	96	39	37	43	74	59	14	2	0	2325
<b>UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE</b>																
Patents By Year of Grant:	1575	49	46	53	54	38	49	41	46	75	70	55	67	43	63	2324
Patents By Year of Application:	1671	57	58	39	48	51	66	73	64	51	46	51	37	12	0	2324
<b>AIR PRODUCTS AND CHEMICALS, INC.</b>																
Patents By Year of Grant:	1017	98	119	90	110	124	73	78	71	80	86	104	84	74	97	2305
Patents By Year of Application:	1178	103	101	124	92	91	81	75	87	97	99	70	69	36	2	2305
<b>ILLINOIS TOOL WORKS INC.</b>																
Patents By Year of Grant:	952	39	44	53	72	34	56	72	92	120	97	138	176	147	209	2301
Patents By Year of Application:	1004	59	52	59	51	80	100	105	110	134	163	182	151	48	3	2301
<b>ROHM AND HAAS COMPANY</b>																
Patents By Year of Grant:	1143	32	49	65	117	129	117	97	63	71	85	78	95	76	83	2300
Patents By Year of Application:	1224	73	100	109	124	103	102	59	78	83	90	81	54	20	0	2300
<b>DENSO CORPORATION</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	7	124	305	369	435	482	552	2274
Patents By Year of Application:	0	0	0	0	1	1	5	114	345	383	427	399	428	162	9	2274
<b>DIGITAL EQUIPMENT CORPORATION</b>																
Patents By Year of Grant:	360	125	141	220	264	269	189	164	133	164	133	92	15	0	0	2269
Patents By Year of Application:	718	195	218	265	207	170	152	153	136	50	5	0	0	0	0	2269
<b>KONINKLIJKE PHILIPS ELECTRONICS N.V.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	12	842	1353	2207
Patents By Year of Application:	0	1	0	1	0	1	9	19	26	116	410	667	777	178	2	2207
<b>PITNEY-BOWES, INC.</b>																
Patents By Year of Grant:	990	86	74	100	90	82	91	70	84	120	94	76	81	78	89	2205
Patents By Year of Application:	1145	97	92	87	91	119	104	109	100	70	99	40	45	7	0	2205
<b>MEDTRONIC INC.</b>																
Patents By Year of Grant:	407	32	32	67	61	111	89	77	91	243	208	231	185	171	192	2197
Patents By Year of Application:	469	55	58	88	117	93	119	203	244	231	226	184	97	13	0	2197
<b>VICTOR COMPANY OF JAPAN, LIMITED</b>																
Patents By Year of Grant:	1229	54	91	82	79	68	48	61	63	77	79	79	63	60	64	2197
Patents By Year of Application:	1353	98	73	73	50	63	72	94	89	90	57	30	44	10	1	2197

---- Organizational Patenting		(Granted: Jan 01, 1969 - Dec 31, 2003)														---- Ranked List of Organizations with 1000 or More Patents ----	
	Pre	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL	
<b>SCHLUMBERGER TECHNOLOGY CORPORATION</b>																	
Patents By Year of Grant:	952	63	58	50	57	66	49	56	48	45	80	122	158	177	194	2175	
Patents By Year of Application:	1046	70	61	53	55	65	56	62	100	126	126	197	115	40	3	2175	
<b>BRIDGESTONE CORPORATION</b>																	
Patents By Year of Grant:	798	83	75	90	98	93	92	73	74	85	109	106	156	137	100	2169	
Patents By Year of Application:	946	91	97	103	70	85	99	98	122	146	128	119	58	7	0	2169	
<b>SHIN ETSU CHEMICAL CO., LTD.</b>																	
Patents By Year of Grant:	454	63	113	134	166	160	142	134	97	96	97	111	128	134	136	2165	
Patents By Year of Application:	589	144	123	157	144	163	141	102	91	116	107	153	117	18	0	2165	
<b>CHRYSLER MOTORS CORPORATION</b>																	
Patents By Year of Grant:	757	113	89	49	66	101	116	152	139	166	215	149	35	6	0	2153	
Patents By Year of Application:	894	84	54	89	116	153	163	198	201	185	11	5	0	0	0	2153	
<b>E. R. SQUIBB + SONS, INC.</b>																	
Patents By Year of Grant:	1727	61	53	71	69	43	27	28	29	19	11	4	2	2	3	2149	
Patents By Year of Application:	1842	63	76	59	33	22	33	11	7	2	1	0	0	0	0	2149	
<b>3M INNOVATIVE PROPERTIES COMPANY</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	172	434	431	529	572	2138	
Patents By Year of Application:	1	2	2	7	9	13	35	75	282	410	424	447	339	84	8	2138	
<b>OWENS-ILLINOIS INC.</b>																	
Patents By Year of Grant:	2124	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2126	
Patents By Year of Application:	2124	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2126	
<b>HARRIS CORP.</b>																	
Patents By Year of Grant:	963	73	58	59	62	66	69	91	115	124	120	63	88	82	71	2104	
Patents By Year of Application:	1081	59	73	82	53	113	118	126	97	95	74	69	56	8	0	2104	
<b>BAXTER INTERNATIONAL INC.</b>																	
Patents By Year of Grant:	1098	64	70	59	65	75	61	70	66	96	101	77	77	54	66	2099	
Patents By Year of Application:	1232	57	63	71	86	85	105	82	98	80	59	44	30	7	0	2099	
<b>TAKEDA CHEMICAL INDUSTRIES LTD.</b>																	
Patents By Year of Grant:	1056	87	50	66	92	68	70	99	77	72	80	70	102	64	46	2099	
Patents By Year of Application:	1217	61	75	72	86	93	101	84	69	47	90	60	29	15	0	2099	
<b>INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN</b>																	
Patents By Year of Grant:	55	27	50	56	104	119	143	110	153	218	208	198	221	217	207	2086	
Patents By Year of Application:	109	58	92	116	141	123	188	195	225	207	250	194	136	52	0	2086	

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>SINGER COMPANY</b>																
Patents By Year of Grant:	2081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2081
Patents By Year of Application:	2081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2081
<b>SMITHKLINE BECKMAN CORPORATION</b>																
Patents By Year of Grant:	1822	29	13	31	19	27	36	27	21	24	21	0	0	1	0	2071
Patents By Year of Application:	1872	17	30	34	22	28	33	17	15	3	0	0	0	0	0	2071
<b>OWENS-CORNING FIBERGLAS CORPORATION</b>																
Patents By Year of Grant:	1539	17	15	15	14	20	11	35	64	68	67	53	44	46	36	2044
Patents By Year of Application:	1569	17	13	14	17	38	67	80	67	54	46	37	20	5	0	2044
<b>ETHYL CORPORATION</b>																
Patents By Year of Grant:	1486	109	118	95	88	51	8	12	14	10	8	11	7	4	8	2029
Patents By Year of Application:	1669	97	93	71	27	6	17	10	11	9	9	5	2	3	0	2029
<b>STAUFFER CHEMICAL COMPANY</b>																
Patents By Year of Grant:	1998	0	2	0	1	0	0	0	0	0	0	0	0	0	0	2001
Patents By Year of Application:	2000	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2001
<b>B. F. GOODRICH CO.</b>																
Patents By Year of Grant:	1476	57	73	69	59	46	29	33	17	29	27	24	39	17	5	2000
Patents By Year of Application:	1616	52	43	59	38	32	32	22	36	23	29	15	2	1	0	2000
<b>UNITED STATES OF AMERICA, HEALTH &amp; HUMAN SERVICES</b>																
Patents By Year of Grant:	590	37	48	76	85	107	96	117	150	169	139	96	102	90	87	1989
Patents By Year of Application:	734	82	98	129	126	186	211	72	102	68	73	65	37	5	1	1989
<b>YAMAHA CORPORATION</b>																
Patents By Year of Grant:	95	104	98	101	150	113	133	149	140	198	208	141	115	130	113	1988
Patents By Year of Application:	307	137	107	119	138	140	163	201	205	139	112	108	84	28	0	1988
<b>TEKTRONIX INC.</b>																
Patents By Year of Grant:	1104	91	80	66	59	39	60	61	50	66	80	58	53	59	54	1980
Patents By Year of Application:	1260	66	65	59	52	61	69	54	92	87	29	50	29	7	0	1980
<b>BRISTOL-MYERS SQUIBB COMPANY</b>																
Patents By Year of Grant:	732	62	71	60	50	57	69	74	105	118	135	106	100	101	131	1971
Patents By Year of Application:	833	86	42	64	100	98	117	106	101	106	109	87	92	30	0	1971
<b>HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN(HENKEL KGAA)</b>																
Patents By Year of Grant:	809	117	65	44	68	101	100	108	71	85	83	56	94	70	63	1934
Patents By Year of Application:	998	34	59	93	91	122	88	112	86	63	91	58	30	9	0	1934



---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>COMPAQ COMPUTER CORPORATION, INC.</b>																
Patents By Year of Grant:	13	15	25	61	61	67	97	99	129	245	251	315	357	159	23	1917
Patents By Year of Application:	67	44	76	79	100	115	157	325	370	391	128	53	11	1	0	1917
<b>AGFA-GEVAERT N.V.</b>																
Patents By Year of Grant:	614	19	40	36	54	67	95	104	114	141	127	174	140	104	80	1909
Patents By Year of Application:	653	45	53	50	82	116	136	170	132	164	129	100	57	21	1	1909
<b>BECTON, DICKINSON AND COMPANY</b>																
Patents By Year of Grant:	680	54	62	58	56	82	66	99	133	157	131	97	79	66	88	1908
Patents By Year of Application:	779	64	52	73	97	112	121	143	154	93	95	75	38	11	1	1908
<b>CARRIER CORPORATION</b>																
Patents By Year of Grant:	974	48	72	56	51	57	59	50	40	65	61	99	94	79	90	1895
Patents By Year of Application:	1054	63	62	46	62	64	54	68	64	96	64	85	75	37	1	1895
<b>NIPPON STEEL CORP.</b>																
Patents By Year of Grant:	885	57	62	74	80	79	84	72	89	94	67	56	51	62	59	1871
Patents By Year of Application:	963	96	89	77	79	80	101	101	83	51	53	46	40	12	0	1871
<b>NGK INSULATORS LTD.</b>																
Patents By Year of Grant:	448	84	79	92	111	73	64	67	81	92	123	115	132	161	147	1869
Patents By Year of Application:	593	88	97	95	68	74	102	100	136	136	135	129	90	25	1	1869
<b>LEVER BROTHERS COMPANY, DIVISION OF CONOPCO, INC.</b>																
Patents By Year of Grant:	1181	59	59	59	44	58	70	58	53	64	68	43	30	9	2	1857
Patents By Year of Application:	1292	58	52	38	74	58	71	79	70	45	12	8	0	0	0	1857
<b>TDK CORPORATION</b>																
Patents By Year of Grant:	311	47	48	56	59	62	65	81	74	83	104	160	216	258	231	1855
Patents By Year of Application:	410	54	42	65	71	90	83	75	109	198	245	241	147	23	2	1855
<b>SEMICONDUCTOR ENERGY LABORATORY CO., LTD.</b>																
Patents By Year of Grant:	137	53	58	53	70	57	43	90	97	127	184	155	209	246	273	1852
Patents By Year of Application:	247	59	67	70	62	118	160	165	212	164	193	166	125	44	0	1852
<b>FORD GLOBAL TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	86	314	256	253	360	389	146	1804
Patents By Year of Application:	0	0	0	3	11	21	74	239	290	262	271	409	177	47	0	1804
<b>ASAHI KASEI KOGYO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	1111	38	33	34	57	54	34	29	29	50	61	69	66	77	60	1802
Patents By Year of Application:	1193	33	52	41	33	42	30	46	79	64	55	74	41	19	0	1802

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>HON HAI PRECISION IND. CO., LTD.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	1	11	22	37	106	397	441	392	391	1798
Patents By Year of Application:	0	0	0	0	0	12	27	34	76	206	525	271	413	227	7	1798
<b>LG ELECTRONICS INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	1	19	113	215	229	220	248	340	409	1794
Patents By Year of Application:	0	0	0	1	2	1	164	224	305	279	281	260	217	57	3	1794
<b>NORTEL NETWORKS CORPORATION</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	92	392	463	413	434	1794
Patents By Year of Application:	0	0	0	0	0	1	7	72	435	592	444	180	54	9	0	1794
<b>NATIONAL RESEARCH DEVELOPMENT CORPORATION</b>																
Patents By Year of Grant:	1567	59	57	59	17	3	1	0	1	1	1	2	3	3	1	1775
Patents By Year of Application:	1681	54	25	2	2	1	2	0	0	4	1	2	1	0	0	1775
<b>ALCOA INC.</b>																
Patents By Year of Grant:	1084	60	67	52	63	57	44	53	31	53	48	34	41	38	40	1765
Patents By Year of Application:	1208	54	60	46	56	53	51	47	46	34	30	43	32	5	0	1765
<b>ZENITH ELECTRONICS CORPORATION</b>																
Patents By Year of Grant:	1308	55	56	60	42	34	28	32	31	26	22	22	17	8	16	1757
Patents By Year of Application:	1400	58	55	49	26	29	30	37	28	19	18	4	4	0	0	1757
<b>INTERNATIONAL STANDARD ELECTRIC CORPORATION (ITT CORP. UNIT)</b>																
Patents By Year of Grant:	1740	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1741
Patents By Year of Application:	1741	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1741
<b>HALLIBURTON CO.</b>																
Patents By Year of Grant:	1066	53	60	61	74	162	88	94	38	25	1	0	0	0	0	1722
Patents By Year of Application:	1153	50	76	131	131	82	65	27	7	0	0	0	0	0	0	1722
<b>DRESSER INDUSTRIES, INC.</b>																
Patents By Year of Grant:	1395	25	36	28	20	22	12	14	24	24	43	44	22	7	2	1718
Patents By Year of Application:	1434	39	24	18	13	22	24	27	35	56	20	4	2	0	0	1718
<b>DELPHI TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	94	327	640	635	1698
Patents By Year of Application:	0	0	0	0	0	0	0	3	4	43	362	580	544	160	2	1698
<b>CONOCO, INC.</b>																
Patents By Year of Grant:	1397	52	55	49	37	19	13	11	7	7	7	2	9	21	5	1691
Patents By Year of Application:	1470	53	52	28	15	13	7	8	8	4	10	14	8	1	0	1691

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>WHITAKER CORPORATION</b>																
Patents By Year of Grant:	0	0	0	0	61	193	199	211	198	216	229	257	79	38	8	1689
Patents By Year of Application:	0	3	11	115	230	244	220	241	274	228	101	19	3	0	0	1689
<b>HERCULES INCORPORATED</b>																
Patents By Year of Grant:	1198	35	63	38	30	33	25	41	35	31	22	32	36	29	17	1665
Patents By Year of Application:	1287	47	38	31	23	46	35	33	34	30	22	28	9	2	0	1665
<b>SANDOZ LTD.</b>																
Patents By Year of Grant:	1217	35	52	41	47	43	44	84	57	20	10	0	0	0	0	1650
Patents By Year of Application:	1299	46	49	39	47	65	81	16	8	0	0	0	0	0	0	1650
<b>MCDONNELL DOUGLAS CORP.</b>																
Patents By Year of Grant:	946	34	44	33	38	26	39	43	52	111	138	77	41	15	3	1640
Patents By Year of Application:	1016	49	41	27	21	55	53	115	153	80	19	6	3	2	0	1640
<b>ERICSSON, INC.</b>																
Patents By Year of Grant:	5	0	0	0	0	0	4	29	68	210	292	312	268	251	181	1620
Patents By Year of Application:	5	0	2	3	9	38	97	334	363	361	281	88	34	5	0	1620
<b>HEIDELBERGER DRUCKMASCHINEN AG</b>																
Patents By Year of Grant:	235	24	63	62	47	64	97	88	88	129	93	122	94	157	240	1603
Patents By Year of Application:	302	66	39	55	105	94	119	115	107	137	138	173	132	21	0	1603
<b>AGENCY OF INDUSTRIAL SCIENCE &amp; TECHNOLOGY</b>																
Patents By Year of Grant:	661	92	96	72	62	49	57	57	73	71	57	70	65	55	53	1590
Patents By Year of Application:	825	74	66	50	51	69	77	78	72	55	61	99	6	7	0	1590
<b>YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD.</b>																
Patents By Year of Grant:	446	64	75	88	85	53	54	72	74	128	101	104	92	73	58	1567
Patents By Year of Application:	556	90	76	83	60	84	85	125	123	95	85	63	32	10	0	1567
<b>G. D. SEARLE &amp; CO.</b>																
Patents By Year of Grant:	723	34	40	47	92	58	90	64	75	60	62	61	39	74	46	1565
Patents By Year of Application:	800	34	67	88	75	89	121	56	45	45	49	45	37	14	0	1565
<b>KIMBERLY-CLARK CORPORATION</b>																
Patents By Year of Grant:	882	68	42	57	47	65	80	140	101	21	9	7	6	3	2	1530
Patents By Year of Application:	990	62	42	59	80	120	128	36	4	1	6	1	1	0	0	1530
<b>ROLLS-ROYCE PLC</b>																
Patents By Year of Grant:	934	33	48	67	45	41	47	35	33	26	36	43	42	42	56	1528
Patents By Year of Application:	1017	52	48	26	52	44	40	26	48	35	42	43	37	18	0	1528

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>FANUC LTD.</b>																
Patents By Year of Grant:	483	125	129	122	101	87	70	73	51	71	49	45	53	38	27	1524
Patents By Year of Application:	724	125	99	84	64	87	91	36	69	56	48	23	15	3	0	1524
<b>UNION OIL COMPANY OF CALIFORNIA</b>																
Patents By Year of Grant:	1077	57	91	88	54	47	27	11	15	14	8	13	8	4	5	1519
Patents By Year of Application:	1222	71	64	50	34	19	16	6	9	13	6	5	3	1	0	1519
<b>TOKYO ELECTRON LIMITED</b>																
Patents By Year of Grant:	11	18	24	34	46	72	75	90	86	101	146	179	203	237	191	1513
Patents By Year of Application:	39	34	50	46	100	106	91	113	169	183	164	237	147	29	5	1513
<b>KIMBERLY-CLARK WORLDWIDE, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	95	161	175	224	234	247	363	1499
Patents By Year of Application:	0	0	1	0	8	28	121	180	270	182	252	282	150	25	0	1499
<b>MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG</b>																
Patents By Year of Grant:	507	35	34	51	78	59	65	54	63	99	56	74	78	107	129	1489
Patents By Year of Application:	607	44	65	57	58	69	86	91	58	66	81	103	81	23	0	1489
<b>COMBUSTION ENGINEERING INC.</b>																
Patents By Year of Grant:	1187	21	18	19	48	59	26	19	15	35	21	14	3	0	0	1485
Patents By Year of Application:	1224	18	22	65	45	29	17	23	24	14	3	1	0	0	0	1485
<b>NALCO CHEMICAL COMPANY</b>																
Patents By Year of Grant:	873	54	49	69	59	71	69	30	34	33	34	41	38	31	0	1485
Patents By Year of Application:	957	50	66	65	77	48	48	35	32	40	35	28	4	0	0	1485
<b>EMERSON ELECTRIC CO.</b>																
Patents By Year of Grant:	765	56	41	44	46	42	31	47	39	57	67	65	69	59	50	1478
Patents By Year of Application:	833	44	50	43	49	56	35	62	62	69	72	48	39	15	1	1478
<b>SUNDSTRAND CORPORATION</b>																
Patents By Year of Grant:	683	157	196	120	66	57	30	45	29	45	35	8	2	0	0	1473
Patents By Year of Application:	1026	130	70	49	52	38	28	41	29	10	0	0	0	0	0	1473
<b>APPLE COMPUTER, INC.</b>																
Patents By Year of Grant:	34	21	23	35	49	55	107	169	206	256	169	85	97	76	80	1462
Patents By Year of Application:	74	38	51	88	148	187	321	213	126	79	67	26	32	12	0	1462
<b>CASIO COMPUTER CO. LTD.</b>																
Patents By Year of Grant:	463	58	98	83	71	69	61	94	54	74	80	85	70	64	37	1461
Patents By Year of Application:	609	90	72	77	67	93	81	73	93	90	46	49	17	4	0	1461



---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>EXXON CHEMICALS PATENTS INC.</b>																
Patents By Year of Grant:	137	74	115	93	115	113	124	103	115	119	112	110	66	5	5	1406
Patents By Year of Application:	308	120	82	96	137	107	173	96	165	82	37	3	0	0	0	1406
<b>BRUNSWICK CORPORATION</b>																
Patents By Year of Grant:	855	85	28	38	14	22	25	13	22	45	48	56	51	51	42	1395
Patents By Year of Application:	962	22	29	9	31	22	21	34	61	39	52	47	45	21	0	1395
<b>DAIMLER-CHRYSLER AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	86	322	430	304	239	1381
Patents By Year of Application:	1	0	0	0	1	2	4	22	122	260	434	301	184	49	1	1381
<b>UNIVERSITY OF TEXAS</b>																
Patents By Year of Grant:	167	56	84	73	86	97	89	87	81	96	91	89	89	91	94	1370
Patents By Year of Application:	342	75	78	102	105	110	123	67	91	78	81	72	39	7	0	1370
<b>LITTON SYSTEMS INC.</b>																
Patents By Year of Grant:	610	38	39	30	39	61	71	66	35	58	76	72	91	42	36	1364
Patents By Year of Application:	687	45	36	54	67	70	35	45	82	81	86	47	24	5	0	1364
<b>INFINEON TECHNOLOGIES AG</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	42	218	452	639	1351
Patents By Year of Application:	0	0	0	0	0	0	1	5	8	82	156	371	507	218	3	1351
<b>BAKER HUGHES INCORPORATED</b>																
Patents By Year of Grant:	39	53	43	57	69	82	68	69	76	97	106	133	158	138	161	1349
Patents By Year of Application:	105	59	71	80	69	79	106	87	144	133	132	142	107	35	0	1349
<b>NAVISTAR INTERNATIONAL TRANSPORTATION CORP.</b>																
Patents By Year of Grant:	1141	22	22	15	18	13	11	10	11	13	15	36	18	4	0	1349
Patents By Year of Application:	1172	22	12	19	12	12	13	19	11	28	22	7	0	0	0	1349
<b>ROHM COMPANY LIMITED</b>																
Patents By Year of Grant:	6	9	21	15	55	158	152	102	96	112	95	116	132	150	128	1347
Patents By Year of Application:	26	17	35	181	134	141	108	103	115	115	122	132	85	31	2	1347
<b>TEIJIN LIMITED</b>																
Patents By Year of Grant:	755	37	26	29	53	44	43	38	47	37	37	43	54	57	45	1345
Patents By Year of Application:	817	38	42	34	38	56	57	33	35	46	53	46	39	11	0	1345
<b>STANFORD UNIVERSITY, LELAND JUNIOR, THE BOARD OF TRUSTEES OF</b>																
Patents By Year of Grant:	379	36	57	42	50	62	54	55	64	79	83	103	84	102	85	1335
Patents By Year of Application:	474	43	47	63	66	79	87	62	91	104	101	65	43	10	0	1335

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>DANA CORPORATION</b>																
Patents By Year of Grant:	415	36	41	38	45	59	42	59	79	82	86	102	97	77	70	1328
Patents By Year of Application:	473	39	56	58	39	68	86	100	87	79	107	56	69	10	1	1328
<b>ROBERTSHAW CONTROLS COMPANY</b>																
Patents By Year of Grant:	1084	33	29	36	23	34	26	18	12	6	7	5	5	4	6	1328
Patents By Year of Application:	1126	33	27	29	30	37	14	6	4	7	3	7	4	1	0	1328
<b>CALIFORNIA INSTITUTE OF TECHNOLOGY</b>																
Patents By Year of Grant:	380	30	36	32	29	46	37	24	46	93	99	103	124	110	138	1327
Patents By Year of Application:	442	37	27	44	51	42	72	93	96	127	116	104	69	7	0	1327
<b>VARIAN ASSOCIATES, INC.</b>																
Patents By Year of Grant:	1103	25	21	23	18	21	26	9	35	34	8	2	0	0	0	1325
Patents By Year of Application:	1150	20	21	17	20	17	24	41	14	1	0	0	0	0	0	1325
<b>BORG-WARNER CORPORATION</b>																
Patents By Year of Grant:	1314	2	4	0	0	0	0	0	0	0	0	0	1	0	1	1322
Patents By Year of Application:	1319	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1322
<b>TOYODA JIDOSHOKKI SEISAKUSHO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	394	17	46	25	39	49	47	51	44	78	86	110	125	135	65	1311
Patents By Year of Application:	425	45	24	49	56	50	58	66	114	110	108	130	75	1	0	1311
<b>MITA INDUSTRIAL COMPANY LTD.</b>																
Patents By Year of Grant:	364	50	84	97	120	93	82	86	73	154	76	29	2	0	0	1310
Patents By Year of Application:	478	109	92	111	96	74	104	95	100	39	11	1	0	0	0	1310
<b>SCHERING CORP.</b>																
Patents By Year of Grant:	573	35	52	32	32	27	49	29	69	78	81	52	72	62	61	1304
Patents By Year of Application:	656	40	30	37	46	56	111	46	65	54	63	49	38	13	0	1304
<b>CITIZEN WATCH CO., LTD.</b>																
Patents By Year of Grant:	719	20	25	22	23	23	19	28	29	42	69	77	84	61	54	1295
Patents By Year of Application:	755	28	24	15	29	33	34	40	83	78	83	66	22	5	0	1295
<b>HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1292	1292
Patents By Year of Application:	0	0	0	0	0	0	1	2	11	43	148	324	515	243	5	1292
<b>KOBE STEEL LTD.</b>																
Patents By Year of Grant:	575	38	61	74	36	56	43	46	42	66	56	49	46	44	44	1276
Patents By Year of Application:	656	62	55	56	41	61	46	66	71	39	45	35	35	8	0	1276

---- Organizational Patenting		(Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----														
	Pre	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>CIBA-GEIGY AG</b>																
Patents By Year of Grant:	1238	7	4	1	2	1	2	2	4	1	1	0	0	0	0	1263
Patents By Year of Application:	1247	3	2	0	1	5	4	1	0	0	0	0	0	0	0	1263
<b>YOSHIDA KOGYO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	895	56	73	58	43	64	53	10	2	1	0	1	0	0	0	1256
Patents By Year of Application:	974	71	54	45	80	26	6	0	0	0	0	0	0	0	0	1256
<b>NOKIA MOBILE PHONES LTD.</b>																
Patents By Year of Grant:	0	0	10	17	26	44	44	41	45	109	152	169	186	207	202	1252
Patents By Year of Application:	0	25	26	53	44	44	73	164	236	201	197	120	66	3	0	1252
<b>BLACK &amp; DECKER INC.</b>																
Patents By Year of Grant:	553	30	28	28	21	29	48	36	44	73	60	73	77	64	83	1247
Patents By Year of Application:	597	28	23	26	39	59	48	71	70	61	83	58	58	26	0	1247
<b>DEGUSSA AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	450	52	68	52	61	62	42	50	48	63	49	21	39	86	102	1245
Patents By Year of Application:	539	67	48	69	54	49	55	61	64	31	42	57	84	25	0	1245
<b>KAWASAKI STEEL CORPORATION</b>																
Patents By Year of Grant:	384	50	52	44	59	83	53	62	70	59	63	60	86	77	42	1244
Patents By Year of Application:	469	47	63	75	67	73	61	72	61	71	67	63	46	8	1	1244
<b>MANNESMANN AG</b>																
Patents By Year of Grant:	474	44	63	63	83	60	52	54	47	59	65	68	61	24	24	1241
Patents By Year of Application:	572	62	78	59	56	56	58	56	70	63	77	23	10	1	0	1241
<b>BABCOCK &amp; WILCOX COMPANY</b>																
Patents By Year of Grant:	715	44	43	45	69	42	53	71	56	38	9	14	16	15	7	1237
Patents By Year of Application:	781	41	58	56	50	80	67	38	22	12	12	10	7	3	0	1237
<b>SMITHKLINE BEECHAM CORPORATION</b>																
Patents By Year of Grant:	0	12	15	10	16	7	22	22	69	94	184	193	248	206	130	1228
Patents By Year of Application:	24	16	7	14	20	41	90	66	250	215	213	136	100	35	1	1228
<b>MORTON THIOKOL, INC.</b>																
Patents By Year of Grant:	1010	29	23	12	15	26	38	33	19	17	1	1	0	0	0	1224
Patents By Year of Application:	1061	22	14	26	36	33	18	13	0	1	0	0	0	0	0	1224
<b>DAEWOO ELECTRONICS COMPANY, LTD.</b>																
Patents By Year of Grant:	3	1	0	3	1	19	47	129	215	319	274	120	54	15	4	1204
Patents By Year of Application:	5	1	2	6	44	150	214	300	282	170	19	6	3	2	0	1204



---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>STANDARD OIL COMPANY</b>																
Patents By Year of Grant:	969	47	33	41	20	11	9	7	15	10	11	11	8	9	2	1203
Patents By Year of Application:	1043	37	30	11	3	10	16	10	11	12	11	6	3	0	0	1203
<b>ALLIS-CHALMERS CORPORATION</b>																
Patents By Year of Grant:	1202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1202
Patents By Year of Application:	1202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1202
<b>MEAD CORPORATION</b>																
Patents By Year of Grant:	814	65	44	34	33	31	19	16	28	31	23	12	18	16	11	1195
Patents By Year of Application:	902	40	31	32	28	19	29	21	30	18	13	23	7	2	0	1195
<b>MOLEX INCORPORATED</b>																
Patents By Year of Grant:	177	42	51	76	82	85	56	61	72	79	88	107	107	69	40	1192
Patents By Year of Application:	220	62	72	92	100	73	71	86	104	97	95	73	40	7	0	1192
<b>SEIKO INSTRUMENTS INC.</b>																
Patents By Year of Grant:	45	49	50	57	48	50	54	52	49	59	70	95	148	183	179	1188
Patents By Year of Application:	147	58	53	43	70	76	63	58	66	109	146	153	118	28	0	1188
<b>SCI-MED LIFE SYSTEMS, INC.</b>																
Patents By Year of Grant:	5	5	7	13	21	22	40	47	32	53	83	147	180	221	311	1187
Patents By Year of Application:	20	11	17	26	32	49	56	54	112	167	219	233	168	20	3	1187
<b>MILES INC.</b>																
Patents By Year of Grant:	749	43	34	95	105	86	60	6	7	0	0	0	0	0	0	1185
Patents By Year of Application:	841	59	100	82	65	33	5	0	0	0	0	0	0	0	0	1185
<b>ASAHI GLASS COMPANY, LTD.</b>																
Patents By Year of Grant:	384	31	45	48	50	42	36	47	47	64	67	53	81	81	105	1181
Patents By Year of Application:	451	50	40	45	40	49	50	72	82	64	76	65	73	23	1	1181
<b>GAF CHEMICALS CORPORATION</b>																
Patents By Year of Grant:	1095	42	40	0	0	0	0	0	0	0	0	0	0	0	0	1177
Patents By Year of Application:	1148	29	0	0	0	0	0	0	0	0	0	0	0	0	0	1177
<b>GULF RESEARCH AND DEVELOPMENT COMPANY</b>																
Patents By Year of Grant:	1175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1175
Patents By Year of Application:	1175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1175
<b>BOEHRINGER MANNHEIM G.M.B.H.</b>																
Patents By Year of Grant:	590	51	53	54	47	60	58	53	61	80	42	16	7	0	2	1174
Patents By Year of Application:	720	45	53	43	56	69	74	64	35	9	3	3	0	0	0	1174

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>ALCATEL</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	61	248	315	277	269	1170
Patents By Year of Application:	0	0	0	0	0	0	1	7	123	371	353	190	92	33	0	1170
<b>BASF CORP.</b>																
Patents By Year of Grant:	149	36	46	56	91	63	71	99	91	95	88	82	58	83	55	1163
Patents By Year of Application:	220	49	76	80	68	74	151	103	107	68	60	64	29	14	0	1163
<b>TEXTRON INC.</b>																
Patents By Year of Grant:	937	24	13	20	20	21	14	14	13	19	11	19	12	10	16	1163
Patents By Year of Application:	967	16	26	16	23	9	18	15	18	14	9	18	10	4	0	1163
<b>WISCONSIN ALUMNI RESEARCH FOUNDATION</b>																
Patents By Year of Grant:	322	15	44	39	53	48	44	64	62	83	86	64	73	81	84	1162
Patents By Year of Application:	377	43	41	48	55	59	88	69	84	69	85	73	59	12	0	1162
<b>AGILENT TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	122	334	312	387	1155
Patents By Year of Application:	0	0	0	1	0	2	4	8	27	224	326	269	214	80	0	1155
<b>NIPPON GAKKI SEIZO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	1145	7	2	1	0	0	0	0	0	0	0	0	0	0	0	1155
Patents By Year of Application:	1154	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1155
<b>L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE</b>																
Patents By Year of Grant:	333	20	29	44	42	44	58	52	35	49	75	74	129	81	79	1144
Patents By Year of Application:	364	45	37	51	47	63	47	55	71	77	112	99	59	16	1	1144
<b>RAYCHEM CORPORATION</b>																
Patents By Year of Grant:	706	57	57	53	39	35	39	32	34	50	36	5	0	0	0	1143
Patents By Year of Application:	811	54	38	46	36	30	48	41	35	4	0	0	0	0	0	1143
<b>OUTBOARD MARINE CORPORATION</b>																
Patents By Year of Grant:	786	46	58	38	41	22	31	29	14	21	13	18	17	2	1	1137
Patents By Year of Application:	858	57	32	33	33	26	29	16	17	16	14	5	1	0	0	1137
<b>CASE CORPORATION</b>																
Patents By Year of Grant:	526	36	29	23	35	17	20	26	23	37	67	78	69	51	73	1110
Patents By Year of Application:	568	39	23	31	17	28	37	53	53	67	74	48	56	15	1	1110
<b>DAIKIN INDUSTRIES LIMITED</b>																
Patents By Year of Grant:	383	50	45	57	50	36	30	31	52	60	43	60	80	68	65	1110
Patents By Year of Application:	474	54	48	38	29	46	62	45	58	72	65	52	52	15	0	1110

---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>VLSI TECHNOLOGY, INC.</b>																
Patents By Year of Grant:	11	7	26	44	68	89	112	100	93	150	158	134	88	27	0	1107
Patents By Year of Application:	40	58	77	90	89	102	116	161	185	108	69	11	1	0	0	1107
<b>ROUSSEL-UCLAF</b>																
Patents By Year of Grant:	739	32	40	45	40	40	57	34	26	39	8	0	0	0	0	1100
Patents By Year of Application:	810	47	27	48	44	43	44	28	9	0	0	0	0	0	0	1100
<b>SQUARE D COMPANY</b>																
Patents By Year of Grant:	534	52	42	59	39	33	49	35	33	48	47	19	44	33	32	1099
Patents By Year of Application:	627	57	39	39	41	47	40	42	40	44	39	25	17	2	0	1099
<b>NORTHROP GRUMMAN CORPORATION</b>																
Patents By Year of Grant:	0	0	0	0	0	8	53	106	101	197	164	130	88	96	150	1093
Patents By Year of Application:	25	4	2	8	38	81	166	139	182	140	98	89	90	31	0	1093
<b>GTE LABORATORIES, INC.</b>																
Patents By Year of Grant:	803	53	63	49	31	25	9	12	8	8	15	15	1	0	0	1092
Patents By Year of Application:	904	60	35	25	16	9	14	7	11	9	2	0	0	0	0	1092
<b>SEAGATE TECHNOLOGY, INCORPORATED</b>																
Patents By Year of Grant:	32	18	39	49	62	48	40	64	98	163	190	235	29	15	8	1090
Patents By Year of Application:	75	72	43	43	47	86	121	140	246	160	46	7	4	0	0	1090
<b>FUJI PHOTO OPTICAL CO. LTD.</b>																
Patents By Year of Grant:	204	6	7	8	22	44	26	44	76	102	86	114	94	126	130	1089
Patents By Year of Application:	210	7	21	27	45	40	67	86	107	90	121	111	101	54	2	1089
<b>FUJI JUKOGYO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	305	117	136	56	37	29	33	34	37	40	32	43	54	50	83	1086
Patents By Year of Application:	477	121	35	35	35	38	40	36	42	44	50	46	67	19	1	1086
<b>DYNAMIT NOBEL AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	1005	15	9	8	16	9	9	6	1	4	0	1	1	0	1	1085
Patents By Year of Application:	1026	11	15	8	7	9	4	1	2	0	1	0	0	1	0	1085
<b>KABUSHIKI KAISHA KOMATSU SEISAKUSHO</b>																
Patents By Year of Grant:	599	26	34	60	82	72	55	77	42	29	6	1	1	0	0	1084
Patents By Year of Application:	661	51	73	79	52	70	79	14	5	0	0	0	0	0	0	1084
<b>UNITED STATES SURGICAL CORPORATION</b>																
Patents By Year of Grant:	141	12	27	50	52	115	158	139	95	92	95	39	33	17	16	1081
Patents By Year of Application:	169	49	58	111	161	139	128	97	81	36	22	13	16	1	0	1081



---- Organizational Patenting (Granted: Jan 01, 1969 - Dec 31, 2003) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>MITSUBISHI GAS-CHEMICAL COMPANY, INC.</b>																
Patents By Year of Grant:	363	45	49	47	44	51	51	40	33	47	66	43	51	48	46	1024
Patents By Year of Application:	442	52	44	42	51	45	40	54	53	52	53	42	39	14	1	1024
<b>PENNWALT CORPORATION</b>																
Patents By Year of Grant:	992	29	0	1	0	0	0	0	0	0	0	0	0	0	0	1022
Patents By Year of Application:	1022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1022
<b>SANSHIN KOGYO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	150	71	73	49	57	57	30	74	58	83	69	83	63	70	35	1022
Patents By Year of Application:	255	69	49	54	61	47	72	98	78	81	64	62	29	3	0	1022
<b>MITSUI PETROCHEMICAL INDUSTRIES LTD.</b>																
Patents By Year of Grant:	347	84	99	76	83	75	61	41	76	57	10	8	1	1	0	1019
Patents By Year of Application:	531	72	66	62	69	63	81	47	27	0	1	0	0	0	0	1019
<b>NORTH AMERICAN PHILIPS CORPORATION</b>																
Patents By Year of Grant:	544	87	102	91	73	55	32	20	6	1	4	0	2	0	0	1017
Patents By Year of Application:	717	81	74	76	38	18	13	0	0	0	0	0	0	0	0	1017
<b>STERLING DRUG INC.</b>																
Patents By Year of Grant:	949	21	15	22	6	3	0	1	0	0	0	0	0	0	0	1017
Patents By Year of Application:	976	24	16	0	0	0	1	0	0	0	0	0	0	0	0	1017
<b>ASEA AKTIEBOLAG</b>																
Patents By Year of Grant:	1010	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1013
Patents By Year of Application:	1012	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1013
<b>BELL + HOWELL COMPANY</b>																
Patents By Year of Grant:	966	12	4	14	8	0	1	4	0	0	0	0	1	0	0	1010
Patents By Year of Application:	981	4	16	3	0	5	0	0	0	0	1	0	0	0	0	1010
<b>PORSCHE AG</b>																
Patents By Year of Grant:	429	50	49	45	31	28	30	41	39	26	48	37	48	55	49	1005
Patents By Year of Application:	500	44	41	29	39	37	48	36	45	40	38	48	44	16	0	1005
<b>Other Organizations (212231)</b>																
Patents By Year of Grant:	639892	40270	42886	43637	43948	45519	45788	49894	52935	70124	73938	76288	83012	85294	88015	1481440
Patents By Year of Application:	711637	44099	44419	46572	49616	56771	68991	67082	79093	79148	83107	77197	56294	16911	503	1481440