

TECHNOLOGY ASSESSMENT AND FORECAST REPORT

ELECTRICAL CLASSES

1977 - December 2004



July 2005
U.S. PATENT AND TRADEMARK OFFICE
OFFICE OF ELECTRONIC INFORMATION PRODUCTS - PTMD
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A PTMD TAF DATABASE REPORT

Technology Profile Report - ELECTRICAL Classes

Explanation of Data

This Technology Profile Report profiles the patent activity for U.S. utility patents * granted between **1977** and **December 2004** in ELECTRICAL technology discipline classes within the U.S. Patent Classification System (USPCS).

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

Data Distribution By Date of Grant and By Date of Application

Parts A1 and A2

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

Patent data, as shown in the "**Pre 1991**" column, correspond to selected patents * in the data base which were granted during the period **1977 to 1990**.

Part B

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since 1977. 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 patent and the issuing of the patent (i.e., a patent's "pendency") is now about 24 months, the patented application data for applications filed from **1999 to DECEMBER 2004** are incomplete.** This is because a significant number of the applications filed from **1999 to DECEMBER 2004**, which will ultimately become patents, were still pending in **DECEMBER 2004**. 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 such fluctuations would for the most part be immune from changes in PTO processing such as occurred in 1986 when the PTO issued fewer patents than would normally have 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 1991**" column, correspond to patent grants in the report which were filed prior to **1991**.

----- Parts of the Report

Parts A1 and A2 present tables which show, by number and percent, the patent activity in the technology discipline. 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 ownership 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 the Foreign Government ownership category.

Part B is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received U.S. patents since **1977**.* Data line 1 for each listed organization ("Patents By Year of Grant") distributes counts of patent grants by year of grant. Data line 2 for each organization ("Patents By Year of Application") 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.

* The term "patent", as used above, refers to "utility" patents. Other patent documents (i.e., design, plant and reissue patents, statutory invention registrations, defensive publications) are not included in this profile report.

** As of **December 2004**, utility patent application data are approximately **93%** complete for utility patent applications filed in **1999**, **84%** complete for applications filed in **2000**, **66%** complete for applications filed in **2001**, and **44%** complete for applications filed in **2002**.. They are essentially complete for applications filed prior to **1999**.

CHEMICAL, ELECTRICAL, MECHANICAL CLASSES

DECEMBER 2004

CHEMICAL	8	23	44	48	51	55	65	71	75	95	96	106	117	127
	136	148	149	156	159	162	196	201	202	203	204	205	208	209
	210	216	252	260	261	264	376	419	420	422	423	424	426	427
	428	429	430	435	436	438	442	501	502	504	507	508	510	512
	514	516	518	520	521	522	523	524	525	526	527	528	530	532
	534	536	540	544	546	548	549	552	554	556	558	560	562	564
	568	570	585	588	800	930	976	987						

The following subclasses are also Chemical:

134/1-42; 131/274-279; 505/100-126, 300-512, 725-785, 800-824, 951

ELECTRICAL	174	178	191	200	218	219	235	250	257	290	307	310	313	314
	315	318	320	322	323	324	326	327	329	330	331	332	333	334
	335	336	337	338	340	341	342	343	345	346	348	349	355	358
	360	361	362	363	365	367	368	369	370	372	373	375	377	378
	379	380	381	382	383	386	388	392	396	398	399	455	503	505
	700	701	702	703	704	705	706	707	708	709	710	711	712	713
	714	715	716	717	718	719	720	725	902					

The following subclasses are also Electrical:

84/600-746; 385/1-52; 359/1-108, 237-361, 558-590, 901-902; 968/876-977; 984/300-398

MECHANICAL		2	4	5	7		12	14	15	16		19	24	26
	27	28	29	30	33	34	36	37	38	40	42	43	47	49
	52	53	54	56	57	59	60	62	63	66	68	69	70	
	72	73	74	76	79	81	82	83	84	86	87	89	91	92
	99	100	101	102	104	105	108	109	110	111	112	114	116	118
	119	122	123	124	125	126	128		131	132	134	135	137	138
	139	140	141	142	144	147	150	152	157	160	163	164	165	166
	168	169	171	172	173	175	177	180	181	182	184	185	186	187
	188	190	192	193	194	198	199	206	211	212	213	215	217	220
	221	222	223	224	225	226	227	228	229	231	232	234	236	237
	238	239	241	242	244	245	246	248	249	251	254	256	258	266
	267	269	270	271		273	276	277	278	279	280	281	283	285
	289	291	292	293	294	295	296	297	298	299	300	301	303	305
	312	347	351	352	353	356	359	366	374	384	385	400	401	402
	403	404	405	406	407	408	409	410	411	412	413	414	415	416
	417	418	425	431	432	433	434	439	440	441	445	446	449	450
	451	452	453	454	460	462	463	464	470	472	473	474	475	476
	477	482	483	492	493	494	600	601	602	604	606	607	623	901
	968	984												

The following subclasses are also Mechanical:

209/3.1-3.3, 44-44.4, 509-707, 900-942; 8/147-159

TECHNOLOGY ASSESSMENT AND FORECAST PROGRAM TECHNOLOGY DISCIPLINES FOR
U.S. PATENT CLASSIFICATION SYSTEM CLASSES AS OF DECEMBER 2004
CHEMICAL, ELECTRICAL, MECHANICAL

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

*8/147-159 are mechanical

*84/600-746 are electrical

*131/274-279 are chemical

*134/1-42 are chemical

*209/3.1-3.3, 44-44.4, 509-707, 900-942 are mechanical

*359/1-108, 237-361, 558-590, 901-902 are electrical

*385/1-52 are electrical

*505/100-126, 300-512, 725-785, 800-824, 951 are chemical

*968/876-977 are electrical

*984/300-398 are electrical

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USPTO. OEIP/PTMD

Part A1

Patent Grants as Distributed By Year of Patent Grant

	Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2004)															
	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total
Total	214007	24149	24357	25143	28066	29648	34113	33761	49904	51091	52883	56804	60233	63411	68779	816349
U.S. Origin	111532	11367	11321	11894	13655	14665	17337	17195	25455	26505	27705	29579	30398	31942	34639	415189
Foreign Origin	102475	12782	13036	13249	14411	14983	16776	16566	24449	24586	25178	27225	29835	31469	34140	401160
JAPAN	56061	8314	8801	8948	9665	9825	10796	10409	14879	14443	14272	15023	16353	17099	18065	232953
GERMANY	14489	1189	1067	1017	1055	1088	1141	1168	1717	1801	2076	2438	2669	2931	3047	38893
FRANCE	7284	725	696	684	680	725	767	706	944	972	993	1012	1114	1072	1145	19519
UNITED KINGDOM	6930	619	553	499	551	613	642	632	950	996	1018	1136	1223	1204	1311	18877
SOUTH KOREA	266	217	293	405	550	614	800	1000	1827	2034	1861	1940	1950	2095	2482	18334
TAIWAN	515	148	196	224	246	331	411	502	884	962	1168	1329	1756	1886	2316	12874
CANADA	3009	333	301	316	326	369	475	464	710	791	872	943	944	996	1207	12056
NETHERLANDS	3441	320	271	235	266	306	324	280	471	419	401	442	515	517	534	8742
SWEDEN	1488	89	99	104	148	160	236	210	301	424	495	568	605	520	461	5908
SWITZERLAND	2789	197	177	179	198	176	194	181	225	210	231	241	279	277	342	5896
ITALY	1702	148	141	166	161	131	227	221	319	268	348	404	408	396	374	5414
ISRAEL	432	65	70	86	113	142	172	199	299	290	332	403	444	555	539	4141
FINLAND	278	57	59	68	101	106	122	117	224	259	256	315	393	455	505	3315
AUSTRALIA	528	68	55	52	53	62	52	57	102	87	116	121	154	200	276	1983
BELGIUM	433	50	40	56	57	69	101	78	116	103	118	113	102	120	147	1703
AUSTRIA	471	47	40	37	41	43	37	45	48	65	90	89	93	138	146	1430
SINGAPORE	21		12	17	19	20	43	40	52	60	80	106	169	194	246	1079
CHINA,HONG KONG S.A.R	153	21	26	22	19	26	26	31	60	61	69	84	74	94	129	895
DENMARK	289	20	18	13	15	16	20	21	25	59	52	60	72	99	100	879
U.S.S.R.	686	34	6	7	7		3	1		1	1					746
IRELAND	83	14	16	14	13	21	27	30	26	23	40	66	66	77	100	616
NORWAY	187	17	17	24	23	23	19	12	27	34	33	38	44	48	59	605
RUSSIAN FEDERATION				1	10	27	18	26	49	63	48	74	63	74	57	510
CHINA P.REP.	41	9	7	7	8	15	9	14	18	16	15	33	71	78	152	493
SPAIN	86	12	13	17	15	8	20	27	34	18	37	35	43	40	59	464
INDIA	9	2	4	2	5	7	9	10	10	9	16	35	46	86	119	369
SOUTH AFRICA	121	14	7	7	10	11	22	17	19	11	15	18	20	15	20	327
NEW ZEALAND	69	7	7	3	6	8	9	14	31	16	26	29	28	29	22	304
HUNGARY	138	5	7	4	4	3	2	4	10	8	5	13	8	31	8	250
BRAZIL	35	6	4	6	5	3	7	5	11	10	8	11	17	17	19	164
MEXICO	47	3	3	5	3	2	2	4	4	8	10	11	14	18	26	160
MALAYSIA	2	5	1	4	5	2	1	8	3	12	14	13	14	16	30	130
ARGENTINA	35	4	1	2	6	4	1	2	4	2	6	4	3	3	6	83
BULGARIA	64	2	1	2									1	1	1	72
CZECHOSLOVAKIA	54			1	3		1	4	2	1	1	3	1	1		72
POLAND	40	1	1			1	2		2	1	1	3	3	2	6	63
Others (80)	199	20	26	15	24	26	38	27	46	49	54	72	76	85	84	841
Ownership:																
U.S. Corporations	98225	10143	10101	10824	12369	13425	15984	15995	23941	24864	25791	27712	28308	29703	32417	379802
U.S. Government	5001	417	368	364	466	368	343	286	313	278	298	301	287	271	268	9629
U.S. Individuals	15851	1575	1484	1371	1488	1675	1869	1847	2419	2399	2475	2366	2252	2244	2301	43616
Foreign Corporations	86704	11270	11673	11927	13123	13497	15187	14893	22155	22607	23327	25394	28237	30094	32727	362815
Foreign Government	1367	135	128	109	84	79	71	70	68	37	26	18	35	27	21	2275
Foreign Individuals	6859	609	603	548	536	604	659	670	1008	906	966	1013	1114	1072	1045	18212

Ownership:

Part A2

Patent Grants as Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2004) ----

	NUMBER OF PATENTED APPLICATIONS															
	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total
Total	260207	27313	28529	30050	37378	44993	50971	61445	61729	63426	59516	48137	33085	9296	274	816349
U.S. Origin	133523	12755	14016	15090	18622	23463	26435	31999	32846	33608	30345	22967	15337	4052	131	415189
Foreign Origin	126684	14558	14513	14960	18756	21530	24536	29446	28883	29818	29171	25170	17748	5244	143	401160
JAPAN	72302	9751	9660	9735	12269	13704	14718	17320	15940	15716	15769	13873	9234	2877	85	232953
GERMANY	16522	1133	1092	1043	1253	1505	1708	2083	2271	2743	2768	2421	1908	428	15	38893
FRANCE	8629	736	714	768	824	897	956	1100	1112	1231	1123	768	519	139	3	19519
UNITED KINGDOM	8070	601	547	624	746	870	973	1280	1235	1306	1149	821	548	106	1	18877
SOUTH KOREA	771	483	510	569	843	1161	1985	2286	2430	2013	1967	1664	1265	377	10	18334
TAIWAN	745	227	265	288	389	587	804	1009	1228	1574	1510	1809	1746	672	21	12874
CANADA	3595	322	337	426	509	642	753	1036	1156	1085	964	643	457	129	2	12056
NETHERLANDS	3967	259	284	305	377	397	488	503	459	457	463	441	282	60		8742
SWEDEN	1656	128	141	179	247	297	317	648	634	637	524	287	170	41	2	5908
SWITZERLAND	3125	187	204	185	214	222	215	243	245	316	285	237	171	47		5896
ITALY	1979	182	149	168	219	270	285	352	358	380	396	387	233	55	1	5414
ISRAEL	568	99	121	151	209	239	291	384	426	600	483	342	185	43		4141
FINLAND	375	78	102	110	122	162	314	355	325	481	438	303	126	23	1	3315
AUSTRALIA	644	64	61	69	54	77	113	102	194	172	187	120	102	24		1983
BELGIUM	513	61	58	69	94	102	133	118	151	137	101	87	63	16		1703
AUSTRIA	549	38	50	44	43	46	62	70	83	120	92	120	80	33		1430
SINGAPORE	30	12	24	27	47	47	55	85	113	129	170	181	124	34	1	1079
CHINA,HONG KONG S.A.R	187	31	25	22	33	41	50	73	63	79	90	89	83	29		895
DENMARK	323	19	12	22	20	25	38	60	59	100	70	72	54	5		879
U.S.S.R.	723	11	4	3	2	1		1	1							746
IRELAND	107	16	18	15	40	27	28	39	63	65	85	57	49	7		616
NORWAY	218	29	25	22	15	21	21	39	42	52	51	38	25	7		605
RUSSIAN FEDERATION		1	6	21	30	33	47	60	65	72	90	54	20	11		510
CHINA P.REP.	55	9	8	11	15	13	13	22	24	39	86	85	87	26		493
SPAIN	105	12	22	14	28	24	34	27	27	48	50	37	28	8		464
INDIA	15	4	3	8	8	13	11	12	18	67	76	59	60	15		369
SOUTH AFRICA	141	7	11	17	19	22	16	19	11	18	19	15	8	4		327
NEW ZEALAND	81	8	6	3	16	18	28	21	26	26	29	21	20		1	304
HUNGARY	149	6	3	4	2	8	7	10	9	20	14	10	8			250
BRAZIL	44	7	6	2	12	5	9	8	10	15	15	15	10	6		164
MEXICO	53	6	2	2	4	4	6	8	12	19	12	21	6	5		160
MALAYSIA	8	4	3	4	2	8	2	18	8	18	17	13	16	9		130
ARGENTINA	39	3	4	5	3	2	4	2	5	6	1	5	4			83
BULGARIA	66	2	1							1	1	1				72
CZECHOSLOVAKIA	54	1	2	1	2	2	3	2	1		4					72
POLAND	41	1		1	2		2	1	3	4	1	1	6			63
Others (80)	235	20	33	23	44	38	47	50	76	68	75	73	51	8		841
Ownership:																
U.S. Corporations	117889	11559	12712	13811	17156	22005	24953	30175	30758	31415	28169	21203	14153	3722	122	379802
U.S. Government	5777	408	400	433	358	362	280	306	325	267	271	220	171	51		9629
U.S. Individuals	18652	1500	1619	1660	2122	2303	2329	2604	2412	2544	2379	1795	1314	370	13	43616
Foreign Corporations	108332	13142	13129	13464	16947	19457	22419	27273	27251	28074	27595	23920	16734	4947	131	362815
Foreign Government	1616	122	80	78	78	67	73	39	33	26	23	21	14	4	1	2275
Foreign Individuals	7941	582	589	604	717	799	917	1048	950	1100	1079	978	699	202	7	18212

	PERCENT OF PATENTED APPLICATIONS															
	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	51	47	49	50	50	52	52	52	53	53	51	48	46	44	48	51
Foreign Origin	49	53	51	50	50	48	48	48	47	47	49	52	54	56	52	49
JAPAN	28	36	34	32	33	30	29	28	26	25	26	29	28	31	31	29
GERMANY	6	4	4	3	3	3	3	3	4	4	5	5	6	5	5	5
FRANCE	3	3	3	3	2	2	2	2	2	2	2	2	2	1	1	2
UNITED KINGDOM	3	2	2	2	2	2	2	2	2	2	2	2	2	1		2
SOUTH KOREA		2	2	2	2	3	4	4	4	3	3	3	4	4	4	2
TAIWAN		1	1	1	1	1	2	2	2	2	3	4	5	7	8	2
CANADA	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
NETHERLANDS	2	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
SWITZERLAND	1	1	1	1	1								1	1		1
ITALY	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
FINLAND							1	1	1	1	1	1				0
AUSTRALIA																0
BELGIUM																0
AUSTRIA																0
SINGAPORE																0
CHINA,HONG KONG S.A.R																0
DENMARK																0
U.S.S.R.																0
IRELAND																0
NORWAY																0
RUSSIAN FEDERATION																0
CHINA P.REP.																0
SPAIN																0
INDIA																0
SOUTH AFRICA																0
NEW ZEALAND																0
HUNGARY																0
BRAZIL																0
MEXICO																0
MALAYSIA																0
ARGENTINA																0
BULGARIA																0
CZECHOSLOVAKIA																0
POLAND																0
Others (80)																0
Ownership:																
U.S. Corporations	45	42	45	46	46	49	49	49	50	50	47	44	43	40	45	47
U.S. Government	2	1	1	1	1	1	1		1				1	1		

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, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
INTERNATIONAL BUSINESS MACHINES CORPORATION																
Patents By Year of Grant:	4658	483	617	821	999	1112	1536	1396	2224	2193	2231	2642	2600	2799	2756	29067
Patents By Year of Application:	5918	919	1185	998	1488	2095	2265	2974	3020	3289	2519	1511	704	178	4	29067
CANON KABUSHIKI KAISHA																
Patents By Year of Grant:	3895	529	694	596	708	699	979	902	1315	1168	1166	1107	1130	1149	1161	17198
Patents By Year of Application:	4939	734	766	846	1298	1571	1333	1589	1106	1081	784	646	392	113	0	17198
HITACHI, LTD																
Patents By Year of Grant:	5157	637	631	615	700	653	713	646	828	769	762	879	1145	1323	1104	16562
Patents By Year of Application:	6662	714	655	639	706	833	741	813	719	916	1041	1157	759	199	8	16562
TOSHIBA CORPORATION																
Patents By Year of Grant:	4797	745	733	746	732	740	690	657	895	918	939	858	854	948	1065	16317
Patents By Year of Application:	6185	885	669	658	838	800	950	1027	1001	837	822	788	638	211	8	16317
NEC CORPORATION																
Patents By Year of Grant:	2500	381	405	502	740	843	861	861	1336	1462	1522	1456	1401	972	726	15968
Patents By Year of Application:	3229	540	724	658	1120	1010	1351	1839	1829	1629	1175	622	205	37	0	15968
SONY CORPORATION																
Patents By Year of Grant:	2416	255	352	442	502	579	677	644	1080	1144	1100	1115	1169	1063	1062	13600
Patents By Year of Application:	2995	459	544	596	729	915	1166	1641	1271	1273	985	651	292	82	1	13600
MITSUBISHI DENKI KABUSHIKI KAISHA																
Patents By Year of Grant:	2621	603	605	605	692	708	737	669	856	792	762	847	1027	953	591	13068
Patents By Year of Application:	3764	697	676	660	751	856	823	894	783	824	861	897	488	93	1	13068
MOTOROLA, INC.																
Patents By Year of Grant:	2898	500	533	569	654	812	874	840	1169	976	985	636	552	491	489	12978
Patents By Year of Application:	3802	631	670	773	987	1137	1134	1123	839	569	705	321	245	41	1	12978
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.																
Patents By Year of Grant:	1884	280	370	436	535	575	570	507	704	738	769	999	1125	1266	1403	12161
Patents By Year of Application:	2525	477	521	552	653	640	741	890	952	1106	1187	1023	666	223	5	12161
FUJITSU LIMITED																
Patents By Year of Grant:	1592	278	306	339	458	575	702	744	990	984	924	971	985	1094	1082	12024
Patents By Year of Application:	2151	428	484	522	828	994	1084	1177	1173	959	909	740	429	143	3	12024
U.S. PHILIPS CORPORATION																
Patents By Year of Grant:	4730	495	399	354	314	416	391	390	587	573	577	577	215	3	2	10023
Patents By Year of Application:	5535	395	351	378	473	558	611	629	579	372	128	14	0	0	0	10023

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
SAMSUNG ELECTRONICS CO., LTD.																
Patents By Year of Grant:	72	111	187	239	327	322	366	424	927	1118	985	1043	932	914	1136	9103
Patents By Year of Application:	383	291	304	320	370	478	1141	1173	1325	1037	822	707	556	190	6	9103
SIEMENS AKTIENGESELLSCHAFT																
Patents By Year of Grant:	4078	296	252	209	206	244	258	281	396	431	555	491	460	436	506	9099
Patents By Year of Application:	4558	231	228	213	286	320	404	517	578	612	482	364	230	76	0	9099
GENERAL ELECTRIC COMPANY																
Patents By Year of Grant:	4364	335	305	277	311	267	278	234	279	279	286	452	514	392	404	8977
Patents By Year of Application:	4923	286	322	271	301	281	297	296	368	528	532	337	190	45	0	8977
INTEL CORPORATION																
Patents By Year of Grant:	215	47	50	98	183	251	393	371	658	658	692	713	940	1379	1357	8005
Patents By Year of Application:	311	92	179	290	424	573	755	912	944	1102	1055	744	481	142	1	8005
TEXAS INSTRUMENTS, INCORPORATED																
Patents By Year of Grant:	1846	257	240	225	317	334	424	423	473	445	481	578	554	600	665	7862
Patents By Year of Application:	2350	260	280	387	496	574	420	566	507	594	526	460	340	98	4	7862
AT&T CORP.																
Patents By Year of Grant:	3635	327	270	275	418	462	409	44	142	267	280	279	273	193	202	7476
Patents By Year of Application:	4220	286	383	497	345	184	210	473	321	251	166	100	33	7	0	7476
SHARP KABUSHIKI KAISHA (SHARP CORPORATION)																
Patents By Year of Grant:	1575	292	295	277	352	298	283	300	445	389	435	398	386	375	418	6518
Patents By Year of Application:	2151	318	333	313	324	371	448	454	475	356	419	309	180	66	1	6518
XEROX CORPORATION																
Patents By Year of Grant:	1818	153	210	285	312	302	403	333	451	374	276	359	335	350	285	6246
Patents By Year of Application:	2162	284	286	361	392	419	394	344	540	470	291	156	112	35	0	6246
EASTMAN KODAK COMPANY																
Patents By Year of Grant:	1435	396	343	365	356	309	358	358	464	410	331	260	216	230	302	6133
Patents By Year of Application:	2024	410	423	288	355	349	515	478	458	237	279	147	123	45	2	6133
HEWLETT-PACKARD COMPANY																
Patents By Year of Grant:	831	205	208	208	286	291	305	308	520	552	558	571	623	216	0	5682
Patents By Year of Application:	1237	251	263	264	321	380	597	668	642	521	316	211	11	0	0	5682
MICRON TECHNOLOGY, INC.																
Patents By Year of Grant:	23	21	45	66	55	24	81	157	333	523	654	821	930	933	1003	5669
Patents By Year of Application:	64	66	73	34	47	197	327	671	811	787	839	853	668	219	13	5669

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

Pre

1991 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 TOTAL

LUCENT TECHNOLOGIES INC.

Patents By Year of Grant: 0 0 0 0 0 0 229 571 731 833 995 795 554 500 459 5667

Patents By Year of Application: 1 6 8 53 328 681 742 986 1250 944 462 122 66 17 1 5667

FUJI PHOTO FILM CO., LTD

Patents By Year of Grant: 1676 256 214 179 145 142 146 179 208 216 196 231 260 330 412 4790

Patents By Year of Application: 2087 199 177 150 157 211 249 258 245 295 309 259 136 58 0 4790

RICOH COMPANY, LTD.

Patents By Year of Grant: 1226 208 242 192 208 189 212 251 295 292 291 244 208 268 370 4696

Patents By Year of Application: 1648 215 207 203 237 278 311 311 307 292 219 212 186 69 1 4696

ADVANCED MICRO DEVICES, INC.

Patents By Year of Grant: 375 72 62 74 66 105 146 203 407 533 580 518 547 457 460 4605

Patents By Year of Application: 534 50 68 111 157 294 400 716 554 525 583 335 221 54 3 4605

SUN MICROSYSTEMS, INC.

Patents By Year of Grant: 28 21 49 59 65 59 107 147 415 539 446 419 480 540 656 4030

Patents By Year of Application: 114 50 70 60 114 304 598 636 471 503 454 376 246 34 0 4030

UNITED STATES OF AMERICA, NAVY

Patents By Year of Grant: 1720 171 124 127 158 149 136 114 149 138 155 131 162 146 152 3732

Patents By Year of Application: 2072 141 142 142 134 147 130 163 157 114 131 122 104 33 0 3732

RCA CORPORATION

Patents By Year of Grant: 3652 1 0 0 0 0 0 0 0 0 0 0 0 0 0 3653

Patents By Year of Application: 3653 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3653

MINOLTA CAMERA CO., LTD.

Patents By Year of Grant: 1249 250 215 180 115 78 115 106 221 234 192 173 140 138 164 3570

Patents By Year of Application: 1674 201 139 91 134 129 204 272 266 193 138 88 29 12 0 3570

WESTINGHOUSE ELECTRIC CORP.

Patents By Year of Grant: 2813 135 133 126 119 53 47 23 26 3 0 0 0 0 0 3478

Patents By Year of Application: 3063 142 95 68 65 22 14 9 0 0 0 0 0 0 0 3478

TELEFONAKTIEBOLAGET LM ERICSSON

Patents By Year of Grant: 275 16 34 44 60 73 140 103 187 337 426 463 472 443 381 3454

Patents By Year of Application: 332 48 56 91 122 209 226 560 592 545 471 153 37 12 0 3454

MICROSOFT CORPORATION

Patents By Year of Grant: 6 2 7 15 23 46 96 194 330 348 341 393 495 493 617 3406

Patents By Year of Application: 29 7 66 67 155 263 372 494 603 614 492 177 56 11 0 3406

----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ----- Ranked List of Organizations with 200 or More Patents -----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
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NIKON CORPORATION

Patents By Year of Grant:	604	58	80	98	78	165	307	308	362	215	167	171	149	204	165	3131
Patents By Year of Application:	693	104	82	120	272	446	302	325	178	175	195	151	65	23	0	3131

ROBERT BOSCH GMBH

Patents By Year of Grant:	894	71	82	83	94	99	106	69	109	165	208	267	266	277	326	3116
Patents By Year of Application:	1038	81	102	103	102	103	112	179	223	272	288	239	233	41	0	3116

UNISYS CORPORATION

Patents By Year of Grant:	1819	80	78	46	71	96	121	99	114	83	82	88	106	84	109	3076
Patents By Year of Application:	1978	57	72	104	116	126	108	127	123	133	75	32	15	10	0	3076

OLYMPUS OPTICAL CO., LTD.

Patents By Year of Grant:	1111	80	103	105	147	122	131	110	136	110	137	135	132	109	62	2730
Patents By Year of Application:	1265	124	125	164	154	139	133	129	132	141	130	65	25	4	0	2730

KONINKLIJKE PHILIPS ELECTRONICS N.V.

Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	6	664	1046	1006	2722
Patents By Year of Application:	1	0	1	0	1	10	21	29	137	454	715	894	419	39	1	2722

SEIKO EPSON CORPORATION

Patents By Year of Grant:	102	45	71	94	88	86	111	133	178	148	176	234	295	422	471	2654
Patents By Year of Application:	229	79	99	100	134	173	160	179	260	286	313	342	229	68	3	2654

HUGHES AIRCRAFT COMPANY

Patents By Year of Grant:	1189	222	195	193	232	200	185	75	26	5	1	0	0	0	0	2523
Patents By Year of Application:	1576	216	244	201	152	103	29	2	0	0	0	0	0	0	0	2523

PIONEER ELECTRONIC CORPORATION

Patents By Year of Grant:	903	154	210	178	141	127	87	94	120	126	118	110	63	33	26	2490
Patents By Year of Application:	1244	169	155	123	106	100	129	155	144	126	15	15	7	2	0	2490

MURATA MANUFACTURING CO., LTD.

Patents By Year of Grant:	345	53	57	42	54	72	85	95	145	202	212	227	310	304	253	2456
Patents By Year of Application:	436	39	61	71	93	101	172	215	202	231	323	266	197	49	0	2456

NATIONAL SEMICONDUCTOR CORPORATION

Patents By Year of Grant:	440	74	77	86	108	141	171	158	142	157	144	136	159	185	179	2357
Patents By Year of Application:	573	89	104	125	171	224	134	131	180	139	155	158	130	42	2	2357

SANYO ELECTRIC CO., LTD.

Patents By Year of Grant:	439	85	70	65	73	61	81	92	162	147	139	180	216	224	257	2291
Patents By Year of Application:	592	63	52	78	108	105	169	165	209	197	219	175	122	35	2	2291

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
OKI ELECTRIC INDUSTRY CO., LTD.																
Patents By Year of Grant:	289	66	71	81	85	64	71	53	104	163	182	233	245	210	202	2119
Patents By Year of Application:	407	96	69	67	80	90	89	215	242	198	226	155	135	48	2	2119
NORTEL NETWORKS LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	83	359	440	378	405	446	2111
Patents By Year of Application:	0	0	0	0	1	7	66	414	604	551	330	82	45	11	0	2111
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	872	1234	2106
Patents By Year of Application:	0	0	0	1	0	1	4	17	68	244	565	623	452	126	5	2106
LSI LOGIC CORPORATION																
Patents By Year of Grant:	17	9	16	26	19	46	85	116	175	262	239	233	234	294	309	2080
Patents By Year of Application:	42	18	37	57	70	171	246	298	306	166	193	283	151	42	0	2080
THOMSON-CSF																
Patents By Year of Grant:	1338	108	84	64	60	71	41	39	54	54	40	42	37	19	10	2061
Patents By Year of Application:	1522	74	66	55	60	56	45	47	49	35	35	17	0	0	0	2061
DIGITAL EQUIPMENT CORPORATION																
Patents By Year of Grant:	373	121	185	229	244	171	156	129	157	116	90	15	0	0	0	1986
Patents By Year of Application:	759	183	237	183	159	145	144	124	47	5	0	0	0	0	0	1986
ALPS ELECTRIC CO., LTD.																
Patents By Year of Grant:	704	60	45	29	26	27	22	46	60	107	126	179	154	189	195	1969
Patents By Year of Application:	785	42	29	23	32	47	71	134	119	175	203	183	90	35	1	1969
HONEYWELL INC.																
Patents By Year of Grant:	1023	92	85	83	97	109	79	69	78	70	53	32	20	17	11	1918
Patents By Year of Application:	1193	86	95	110	83	75	96	81	52	34	8	3	2	0	0	1918
NCR CORPORATION																
Patents By Year of Grant:	566	58	59	77	71	40	30	62	129	154	105	108	134	135	112	1840
Patents By Year of Application:	703	85	71	48	38	99	140	179	132	137	117	61	26	4	0	1840
ASAHI KOGAKU KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	438	101	115	122	132	89	87	89	157	152	115	99	114	3	4	1817
Patents By Year of Application:	637	131	116	98	102	109	127	184	118	102	72	21	0	0	0	1817
UNITED STATES OF AMERICA, ARMY																
Patents By Year of Grant:	1054	58	52	49	72	79	68	57	58	45	56	52	39	29	32	1800
Patents By Year of Application:	1137	57	62	78	81	82	58	43	55	57	44	19	21	6	0	1800

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
COMPAQ COMPUTER CORPORATION, INC.																
Patents By Year of Grant:	26	18	51	43	55	76	81	115	235	240	300	344	154	23	0	1761
Patents By Year of Application:	101	56	62	76	92	144	315	358	380	120	47	9	1	0	0	1761
FUJI XEROX CO., LTD.																
Patents By Year of Grant:	275	36	75	97	99	89	115	93	191	147	106	92	108	113	121	1757
Patents By Year of Application:	407	85	100	89	95	157	188	160	113	120	106	67	45	25	0	1757
VICTOR COMPANY OF JAPAN, LIMITED																
Patents By Year of Grant:	893	75	72	68	50	42	47	52	70	72	73	52	54	59	78	1757
Patents By Year of Application:	1032	64	58	41	53	59	84	84	82	59	42	67	19	13	0	1757
RAYTHEON COMPANY																
Patents By Year of Grant:	636	55	64	56	40	33	7	15	72	150	125	130	98	121	138	1740
Patents By Year of Application:	774	71	31	46	21	33	98	159	93	87	103	98	95	29	2	1740
ROCKWELL INTERNATIONAL CORPORATION																
Patents By Year of Grant:	1058	75	52	71	77	66	75	47	69	63	11	6	0	1	0	1671
Patents By Year of Application:	1194	66	74	77	71	84	54	40	7	3	0	1	0	0	0	1671
ERICSSON, INC.																
Patents By Year of Grant:	1	0	0	0	0	4	29	66	199	274	300	256	246	179	109	1663
Patents By Year of Application:	1	2	3	9	38	95	325	352	353	295	130	46	12	2	0	1663
LG ELECTRONICS INC.																
Patents By Year of Grant:	0	0	0	0	0	0	15	65	146	163	168	184	232	289	312	1574
Patents By Year of Application:	0	0	1	1	0	116	148	237	235	233	274	213	88	28	0	1574
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)																
Patents By Year of Grant:	233	38	43	51	55	62	69	90	113	120	125	146	147	120	156	1568
Patents By Year of Application:	319	40	64	70	71	109	82	122	149	114	181	106	111	30	0	1568
EATON CORPORATION																
Patents By Year of Grant:	502	35	36	41	63	76	89	72	99	117	97	86	88	69	70	1540
Patents By Year of Application:	568	46	45	84	93	74	88	99	103	100	102	64	51	21	2	1540
INFINEON TECHNOLOGIES AG																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	26	161	317	450	552	1506
Patents By Year of Application:	0	0	0	0	0	0	4	7	55	109	282	493	425	129	2	1506
YAMAHA CORPORATION																
Patents By Year of Grant:	132	83	84	122	88	103	110	103	144	138	74	75	89	75	83	1503
Patents By Year of Application:	344	85	96	104	98	122	128	139	94	83	89	66	44	11	0	1503

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
NORTHERN TELECOM LIMITED																
Patents By Year of Grant:	606	55	50	50	60	62	83	56	176	206	65	19	11	2	1	1502
Patents By Year of Application:	707	46	43	84	75	93	218	185	48	3	0	0	0	0	0	1502
HARRIS CORP.																
Patents By Year of Grant:	533	45	45	46	56	56	75	84	99	101	56	77	74	66	82	1495
Patents By Year of Application:	611	62	66	42	92	87	105	80	80	70	74	62	52	12	0	1495
NISSAN MOTOR COMPANY, LIMITED																
Patents By Year of Grant:	621	88	83	54	45	42	29	34	45	50	71	77	87	70	83	1479
Patents By Year of Application:	791	67	49	27	33	47	36	54	70	55	77	83	72	18	0	1479
TEKTRONIX INC.																
Patents By Year of Grant:	818	65	50	50	31	48	42	35	41	54	43	50	50	48	52	1477
Patents By Year of Application:	927	46	48	37	44	51	36	65	75	28	54	42	20	4	0	1477
APPLE COMPUTER, INC.																
Patents By Year of Grant:	47	17	28	44	50	101	164	196	246	165	83	94	72	74	90	1471
Patents By Year of Application:	96	45	82	138	182	305	212	124	82	70	40	44	45	6	0	1471
UNITED STATES OF AMERICA, AIR FORCE																
Patents By Year of Grant:	825	61	52	64	64	37	49	44	36	35	28	47	25	23	19	1409
Patents By Year of Application:	933	59	62	55	46	50	38	37	31	33	24	25	10	6	0	1409
GENERAL MOTORS CORPORATION																
Patents By Year of Grant:	668	60	48	63	43	41	57	42	42	42	39	53	45	53	71	1367
Patents By Year of Application:	752	70	56	42	56	56	42	30	35	37	64	61	47	19	0	1367
HYUNDAI ELECTRONICS INDUSTRIES CO., LTD.																
Patents By Year of Grant:	0	6	8	12	21	24	65	84	120	147	197	323	187	93	72	1359
Patents By Year of Application:	13	17	19	23	54	89	132	186	240	279	223	64	17	3	0	1359
KONICA CORPORATION																
Patents By Year of Grant:	442	77	78	68	85	57	67	50	55	58	59	50	69	51	75	1341
Patents By Year of Application:	568	77	75	74	53	75	55	58	79	63	54	51	35	23	1	1341
NOKIA MOBILE PHONES LTD.																
Patents By Year of Grant:	0	5	15	26	42	42	40	41	102	147	159	177	192	191	159	1338
Patents By Year of Application:	19	25	52	41	42	70	158	234	206	208	187	85	9	2	0	1338
CISCO TECHNOLOGY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	19	42	103	157	213	323	421	1278
Patents By Year of Application:	0	0	0	0	1	14	35	110	261	415	278	82	65	17	0	1278

----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ----- Ranked List of Organizations with 200 or More Patents -----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
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TRW INC.																
Patents By Year of Grant:	350	18	16	32	54	52	41	40	68	111	130	157	122	62	22	1275
Patents By Year of Application:	392	32	59	49	39	55	86	107	133	160	101	56	6	0	0	1275

BROTHER KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	239	137	95	77	60	37	56	66	79	97	75	81	52	49	65	1265
Patents By Year of Application:	456	87	51	48	62	76	94	115	113	60	40	26	24	13	0	1265

DENSO CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	41	130	152	188	225	232	297	1265
Patents By Year of Application:	0	0	0	0	1	1	48	130	166	206	201	242	198	66	6	1265

AGILENT TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	74	212	218	272	487	1263
Patents By Year of Application:	0	0	0	0	1	5	4	20	173	215	234	238	265	105	3	1263

FANUC LTD.																
Patents By Year of Grant:	504	112	105	84	63	62	52	37	56	39	35	43	27	20	23	1262
Patents By Year of Application:	718	85	58	49	71	66	26	54	49	42	12	13	14	4	1	1262

QUALCOMM, INC.																
Patents By Year of Grant:	8	4	9	8	8	21	48	45	82	105	98	171	195	178	280	1260
Patents By Year of Application:	20	9	8	22	54	76	123	125	169	264	146	154	74	16	0	1260

UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY																
Patents By Year of Grant:	798	64	80	57	83	41	22	17	17	15	13	13	9	12	11	1252
Patents By Year of Application:	922	76	58	65	31	17	15	10	20	10	12	8	7	1	0	1252

CASIO COMPUTER CO. LTD.																
Patents By Year of Grant:	420	81	72	58	54	51	75	47	64	69	71	57	48	32	33	1232
Patents By Year of Application:	572	58	62	56	75	68	64	86	77	42	40	21	9	2	0	1232

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.																
Patents By Year of Grant:	72	25	29	28	31	20	51	49	59	92	87	119	142	167	207	1178
Patents By Year of Application:	121	35	40	27	58	75	79	130	102	138	125	120	105	20	3	1178

BOEING COMPANY																
Patents By Year of Grant:	441	73	43	35	26	28	35	31	41	31	31	50	62	96	152	1175
Patents By Year of Application:	569	42	19	26	29	64	30	24	33	41	64	115	96	21	2	1175

ROHM COMPANY LIMITED																
Patents By Year of Grant:	7	13	8	39	127	119	67	73	86	77	87	98	110	103	112	1126
Patents By Year of Application:	26	24	140	96	100	80	84	90	96	98	120	87	65	19	1	1126

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
NIPPONDENSO CO., LTD.																
Patents By Year of Grant:	418	32	26	41	54	56	120	131	165	43	14	6	2	1	0	1109
Patents By Year of Application:	477	38	55	67	109	161	172	22	4	2	1	1	0	0	0	1109
SEAGATE TECHNOLOGY, LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	41	197	252	288	323	1101
Patents By Year of Application:	0	0	0	2	4	13	10	23	135	241	270	292	105	5	1	1101
ZENITH ELECTRONICS CORPORATION																
Patents By Year of Grant:	697	46	44	39	27	26	30	30	25	21	21	16	8	16	14	1060
Patents By Year of Application:	774	45	43	22	27	30	35	26	18	20	10	6	1	3	0	1060
GTE PRODUCTS CORPORATION																
Patents By Year of Grant:	867	64	42	38	22	4	1	0	3	0	2	0	0	0	0	1043
Patents By Year of Application:	954	48	37	4	0	0	0	0	0	0	0	0	0	0	0	1043
PITNEY-BOWES, INC.																
Patents By Year of Grant:	426	41	37	27	36	31	27	42	70	47	51	45	46	46	57	1029
Patents By Year of Application:	513	29	31	39	50	62	57	60	52	69	28	19	16	3	1	1029
3COM CORPORATION																
Patents By Year of Grant:	3	1	0	2	7	14	19	22	34	80	128	193	154	189	181	1027
Patents By Year of Application:	4	3	14	9	18	36	39	144	241	284	171	42	15	7	0	1027
TOYOTA JIDOSHA K.K.																
Patents By Year of Grant:	280	15	25	30	16	24	41	38	77	105	82	82	72	57	61	1005
Patents By Year of Application:	325	22	18	28	42	46	78	108	89	67	68	68	27	19	0	1005
SUMITOMO ELECTRIC INDUSTRIES CO., LTD.																
Patents By Year of Grant:	170	51	68	67	73	89	67	43	47	39	46	34	63	61	71	989
Patents By Year of Application:	267	72	89	71	95	50	47	40	38	36	56	62	47	19	0	989
UNIVERSITY OF CALIFORNIA, THE REGENTS OF																
Patents By Year of Grant:	127	21	20	32	49	53	83	47	89	71	70	62	81	86	98	989
Patents By Year of Application:	175	33	38	53	75	103	86	60	83	72	74	76	51	9	1	989
XILINX, INC.																
Patents By Year of Grant:	16	2	4	2	22	20	55	60	76	92	114	122	139	130	128	982
Patents By Year of Application:	22	7	10	21	37	82	76	109	108	109	162	104	102	31	2	982
INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN																
Patents By Year of Grant:	23	16	16	40	43	64	50	55	119	101	99	79	95	87	94	981
Patents By Year of Application:	48	42	52	53	56	81	96	111	101	111	89	69	52	19	1	981

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL	
ALCATEL																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	31	153	203	176	178	217	958	
Patents By Year of Application:	0	0	0	0	0	1	5	78	249	292	173	90	58	11	1	958	
MINNESOTA MINING AND MANUFACTURING COMPANY																	
Patents By Year of Grant:	447	42	42	56	78	73	60	45	66	23	11	2	6	2	0	953	
Patents By Year of Application:	527	55	63	68	68	77	47	37	5	2	3	1	0	0	0	953	
DELL PRODUCTS, L.P.																	
Patents By Year of Grant:	0	0	1	6	17	52	79	80	94	80	80	118	96	121	116	940	
Patents By Year of Application:	8	14	2	58	69	114	76	104	85	180	102	81	34	13	0	940	
NIPPON TELEGRAPH & TELEPHONE CORP.																	
Patents By Year of Grant:	343	25	35	35	25	35	38	45	65	46	48	65	41	45	49	940	
Patents By Year of Application:	393	37	34	27	51	55	63	74	65	52	43	24	18	4	0	940	
TDK CORPORATION																	
Patents By Year of Grant:	129	26	21	20	24	24	24	22	33	50	76	117	133	125	112	936	
Patents By Year of Application:	177	16	19	26	33	27	26	57	101	135	128	125	44	22	0	936	
FORD MOTOR COMPANY																	
Patents By Year of Grant:	250	40	44	60	72	76	92	78	65	47	28	12	8	26	36	934	
Patents By Year of Application:	324	58	77	79	97	87	48	51	25	13	45	7	16	7	0	934	
CYPRESS SEMICONDUCTOR CORP.																	
Patents By Year of Grant:	17	3	3	3	5	16	16	45	94	106	100	92	108	158	140	906	
Patents By Year of Application:	21	4	6	12	24	65	99	132	84	107	142	144	58	8	0	906	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY																	
Patents By Year of Grant:	219	34	54	42	41	47	50	42	59	53	42	48	60	60	51	902	
Patents By Year of Application:	313	48	36	46	58	56	50	51	65	52	56	45	21	5	0	902	
POLAROID CORPORATION																	
Patents By Year of Grant:	656	20	19	16	11	17	19	17	31	30	23	12	5	12	9	897	
Patents By Year of Application:	688	21	8	14	29	27	24	29	21	12	12	7	3	2	0	897	
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION																	
Patents By Year of Grant:	377	48	43	44	65	43	40	34	35	18	23	30	27	29	40	896	
Patents By Year of Application:	453	54	46	70	42	36	27	24	36	24	32	25	21	6	0	896	
SCHLUMBERGER TECHNOLOGY CORPORATION																	
Patents By Year of Grant:	300	32	21	31	35	34	36	25	25	33	60	48	53	77	77	887	
Patents By Year of Application:	351	31	33	33	40	30	28	51	55	54	62	52	52	13	2	887	

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
STMICROELECTRONICS S.R.L.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	3	52	125	178	211	175	134	878
Patents By Year of Application:	0	0	1	0	0	7	16	39	135	174	205	189	95	17	0	878
YAZAKI CORP.																
Patents By Year of Grant:	63	10	24	25	27	28	41	42	74	70	68	97	104	115	87	875
Patents By Year of Application:	90	34	18	35	46	35	77	77	77	78	126	84	82	16	0	875
ANALOG DEVICES, INC.																
Patents By Year of Grant:	98	23	27	16	33	52	59	65	65	55	50	60	57	105	108	873
Patents By Year of Application:	140	18	29	39	65	92	69	49	59	62	59	74	94	23	1	873
SEIKO INSTRUMENTS INC.																
Patents By Year of Grant:	58	30	41	24	30	36	37	32	39	41	69	102	107	112	101	859
Patents By Year of Application:	125	30	27	49	53	34	42	42	78	96	108	97	55	23	0	859
FUJI ELECTRIC CO., LTD.																
Patents By Year of Grant:	212	37	37	39	49	54	71	51	44	55	38	31	44	46	48	856
Patents By Year of Application:	268	54	46	56	72	65	38	54	28	32	46	52	37	8	0	856
CIRRUS LOGIC, INC.																
Patents By Year of Grant:	3	1	4	2	13	32	63	84	127	108	100	81	84	83	44	829
Patents By Year of Application:	9	2	14	40	60	148	120	138	92	73	58	43	27	5	0	829
SEAGATE TECHNOLOGY, INCORPORATED																
Patents By Year of Grant:	49	29	38	53	44	32	48	76	117	126	162	23	6	5	1	809
Patents By Year of Application:	127	35	37	41	69	92	96	175	109	24	2	2	0	0	0	809
CITIZEN WATCH CO., LTD.																
Patents By Year of Grant:	446	11	10	7	9	7	18	19	24	43	45	45	33	41	45	803
Patents By Year of Application:	467	7	6	11	19	25	23	48	52	55	42	29	13	6	0	803
UNITED TECHNOLOGIES CORPORATION																
Patents By Year of Grant:	503	38	53	37	29	40	23	19	6	12	9	7	13	6	8	803
Patents By Year of Application:	578	46	36	32	43	8	11	11	15	9	3	8	3	0	0	803
COMMISSARIAT A L'ENERGIE ATOMIQUE																
Patents By Year of Grant:	342	24	37	22	30	25	28	39	41	31	24	42	41	28	47	801
Patents By Year of Application:	393	32	26	20	38	41	42	31	35	48	38	32	18	7	0	801
VLSI TECHNOLOGY, INC.																
Patents By Year of Grant:	15	22	38	50	59	69	83	73	114	106	89	61	16	0	0	795
Patents By Year of Application:	88	58	61	52	77	95	124	121	73	40	5	1	0	0	0	795

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(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
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SGS-THOMSON MICROELECTRONICS S.R.L.

Patents By Year of Grant:	52	33	41	41	40	38	96	102	157	91	58	24	11	4	1	789
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Patents By Year of Application:	124	43	40	49	95	119	122	141	44	5	5	1	1	0	0	789
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MITA INDUSTRIAL COMPANY LTD.

Patents By Year of Grant:	217	45	44	55	52	54	67	56	125	54	17	1	0	0	0	787
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Patents By Year of Application:	301	43	63	59	55	73	79	83	23	8	0	0	0	0	0	787
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ITT CORPORATION

Patents By Year of Grant:	576	20	24	24	34	29	22	12	7	5	2	0	0	0	0	755
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Patents By Year of Application:	621	22	29	29	20	25	6	2	1	0	0	0	0	0	0	755
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DAEWOO ELECTRONICS COMPANY, LTD.

Patents By Year of Grant:	2	0	2	0	12	41	89	126	173	164	79	44	11	1	3	747
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Patents By Year of Application:	4	0	5	36	108	150	154	164	107	12	4	0	1	2	0	747
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BRITISH TELECOMMUNICATION, PLC

Patents By Year of Grant:	142	31	32	17	28	41	32	27	58	65	61	79	49	41	29	732
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Patents By Year of Application:	204	22	29	41	54	36	72	68	153	14	23	11	5	0	0	732
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ALLIED-SIGNAL INC.

Patents By Year of Grant:	333	34	45	37	59	41	29	13	22	22	42	30	13	6	3	729
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Patents By Year of Application:	400	49	45	53	32	16	20	35	30	42	4	0	3	0	0	729
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RENESAS TECHNOLOGY CORPORATION

Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	11	706	717
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Patents By Year of Application:	0	0	0	0	0	0	2	1	5	18	59	110	341	175	6	717
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PHILIPS ELECTRONICS NORTH AMERICA CORP.

Patents By Year of Grant:	0	0	0	0	7	29	64	65	109	107	119	149	61	1	1	712
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Patents By Year of Application:	0	2	0	37	78	88	123	134	121	82	42	5	0	0	0	712
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SQUARE D COMPANY

Patents By Year of Grant:	244	36	47	34	29	42	29	30	42	43	16	39	26	28	21	706
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Patents By Year of Application:	327	34	36	30	40	39	35	34	38	37	22	25	9	0	0	706
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SGS-THOMSON MICROELECTRONICS S.A.

Patents By Year of Grant:	55	30	25	27	35	49	56	80	110	105	75	33	13	8	2	703
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Patents By Year of Application:	105	32	28	69	65	115	92	121	61	7	6	2	0	0	0	703
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NORTHROP GRUMMAN CORPORATION

Patents By Year of Grant:	0	0	0	0	7	23	64	49	108	79	58	38	46	99	125	696
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Patents By Year of Application:	15	1	5	19	44	90	74	93	75	45	80	77	50	27	1	696
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---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
HONEYWELL INTERNATIONAL INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	31	112	132	148	262	685
Patents By Year of Application:	0	1	0	0	2	2	5	20	65	96	166	148	147	32	1	685
KOITO MANUFACTURING COMPANY LIMITED																
Patents By Year of Grant:	80	26	32	18	19	36	41	33	38	39	52	55	74	84	58	685
Patents By Year of Application:	110	40	15	35	44	41	47	36	57	45	70	68	62	15	0	685
ALTERA CORPORATION																
Patents By Year of Grant:	14	2	9	14	17	12	37	28	48	65	95	111	84	62	82	680
Patents By Year of Application:	21	11	14	24	24	47	54	100	84	81	69	66	65	19	1	680
EMC CORPORATION																
Patents By Year of Grant:	2	0	1	4	2	5	23	21	57	65	74	83	90	129	122	678
Patents By Year of Application:	9	0	2	5	29	52	68	93	91	103	116	74	33	3	0	678
NOKIA TELECOMMUNICATIONS OY																
Patents By Year of Grant:	0	0	0	0	5	23	39	47	90	116	109	104	93	42	7	675
Patents By Year of Application:	0	0	1	25	35	62	152	137	129	131	1	1	0	1	0	675
TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.																
Patents By Year of Grant:	0	0	1	1	0	3	12	22	54	70	57	86	113	124	125	668
Patents By Year of Application:	0	2	0	0	5	19	49	81	63	91	90	109	127	32	0	668
UNITED MICROELECTRONICS CORPORATION																
Patents By Year of Grant:	1	0	3	2	7	37	56	74	82	76	73	88	75	60	27	661
Patents By Year of Application:	3	2	3	16	61	89	90	63	85	85	69	54	33	8	0	661
LOCKHEED MARTIN CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	10	31	58	74	94	82	96	101	113	659
Patents By Year of Application:	24	1	0	5	10	42	60	64	86	108	74	97	70	16	2	659
HUGHES ELECTRONICS CORP.																
Patents By Year of Grant:	0	0	0	0	0	0	2	1	67	102	118	135	118	60	50	653
Patents By Year of Application:	2	0	1	0	8	21	83	114	138	124	123	28	9	2	0	653
GOLDSTAR COMPANY, LTD.																
Patents By Year of Grant:	69	27	47	64	102	114	116	59	33	10	1	2	0	0	0	644
Patents By Year of Application:	136	86	93	109	140	42	29	9	0	0	0	0	0	0	0	644
ADVANTEST CORP.																
Patents By Year of Grant:	23	4	11	16	10	13	16	34	69	65	57	87	98	76	63	642
Patents By Year of Application:	36	19	8	13	18	36	63	80	86	115	74	47	25	21	1	642

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

[illegible]

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

Pre

1991 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 TOTAL

ALCATEL N. V.

Patents By Year of Grant: 85 25 42 52 69 62 73 59 75 33 8 2 1 0 0 586

Patents By Year of Application: 153 54 71 52 78 84 78 13 1 2 0 0 0 0 0 586

LITTON SYSTEMS INC.

Patents By Year of Grant: 213 9 12 14 31 42 45 24 20 29 31 53 20 17 13 573

Patents By Year of Application: 233 15 28 46 45 24 18 33 38 51 21 16 3 2 0 573

SUNDSTRAND CORPORATION

Patents By Year of Grant: 279 89 28 25 32 21 31 13 28 20 4 1 0 0 0 571

Patents By Year of Application: 405 20 23 39 23 14 25 14 8 0 0 0 0 0 0 571

THOMSON CONSUMER ELECTRONICS, INC.

Patents By Year of Grant: 22 26 59 48 59 65 69 59 65 60 26 1 1 0 0 560

Patents By Year of Application: 87 50 65 43 101 77 81 47 9 0 0 0 0 0 0 560

PIONEER CORPORATION

Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 3 38 114 182 222 559

Patents By Year of Application: 0 0 0 0 0 0 0 0 4 98 172 158 111 16 0 559

LG. PHILIPS LCD CO., LTD.

Patents By Year of Grant: 0 0 0 0 0 0 0 0 0 0 7 44 105 165 237 558

Patents By Year of Application: 0 0 0 0 0 0 3 7 37 64 154 164 112 16 1 558

STANFORD UNIVERSITY, LELAND JUNIOR, THE BOARD OF TRUSTEES OF

Patents By Year of Grant: 165 25 13 22 29 26 22 23 33 27 37 34 39 29 33 557

Patents By Year of Application: 205 16 30 28 26 26 32 37 42 37 33 18 25 2 0 557

CALIFORNIA INSTITUTE OF TECHNOLOGY

Patents By Year of Grant: 109 19 17 15 21 24 9 18 34 45 50 53 41 47 53 555

Patents By Year of Application: 148 10 25 26 14 26 41 47 62 44 40 44 21 7 0 555

APPLIED MATERIALS, INC.

Patents By Year of Grant: 13 5 5 6 6 11 22 19 44 47 48 61 95 103 65 550

Patents By Year of Application: 19 7 6 11 21 34 51 53 60 88 90 65 35 9 1 550

SILICON GRAPHICS, INC.

Patents By Year of Grant: 4 3 2 14 12 11 33 39 83 54 65 79 49 50 52 550

Patents By Year of Application: 13 12 14 31 15 68 96 87 77 65 42 15 15 0 0 550

MATSUSHITA ELECTRIC WORKS, LTD.

Patents By Year of Grant: 220 21 16 15 20 21 18 16 20 28 27 25 32 34 33 546

Patents By Year of Application: 256 15 16 21 23 17 19 31 23 26 42 36 17 4 0 546

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	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
AGFA-GEVAERT, AG																
Patents By Year of Grant:	401	12	12	17	14	11	3	11	17	15	6	5	10	4	5	543
Patents By Year of Application:	416	14	25	10	5	14	13	18	7	8	8	2	1	2	0	543
STMICROELECTRONICS S.A.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	21	66	86	116	123	128	541
Patents By Year of Application:	0	0	0	1	0	1	5	2	91	136	137	63	84	21	0	541
STMICROELECTRONICS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	33	93	94	72	74	90	83	539
Patents By Year of Application:	0	1	1	3	10	15	46	111	94	82	81	61	24	10	0	539
HONEYWELL INFORMATION SYSTEMS INC.																
Patents By Year of Grant:	536	1	1	0	0	0	0	0	0	0	0	0	0	0	0	538
Patents By Year of Application:	538	0	0	0	0	0	0	0	0	0	0	0	0	0	0	538
STORAGE TECHNOLOGY CORPORATION																
Patents By Year of Grant:	84	13	13	20	30	31	26	15	13	25	42	50	50	50	67	529
Patents By Year of Application:	113	30	24	31	30	10	15	34	37	70	61	48	24	2	0	529
EMERSON ELECTRIC CO.																
Patents By Year of Grant:	205	15	18	14	15	17	18	22	33	36	29	24	22	17	36	521
Patents By Year of Application:	233	14	15	25	21	16	31	42	25	26	19	21	24	8	1	521
WINBOND ELECTRONICS CORP.																
Patents By Year of Grant:	0	0	0	4	3	5	12	14	40	75	83	77	77	55	75	520
Patents By Year of Application:	0	4	4	3	12	13	44	69	121	90	53	55	38	13	1	520
BELL COMMUNICATIONS RESEARCH, INC.																
Patents By Year of Grant:	128	52	58	47	59	53	42	28	34	13	0	0	0	0	0	514
Patents By Year of Application:	222	54	53	66	45	35	33	5	1	0	0	0	0	0	0	514
FUJINON CORPORATION (FORMERLY FUJI PHOTO OPTICAL CO. LTD.)																
Patents By Year of Grant:	102	3	3	13	19	14	27	34	48	26	43	29	53	42	52	508
Patents By Year of Application:	106	5	19	19	27	31	38	59	25	53	44	35	37	10	0	508
DEUTSCHE THOMSON-BRANDT GMBH																
Patents By Year of Grant:	105	34	15	35	36	47	24	23	35	44	41	46	19	0	3	507
Patents By Year of Application:	152	24	42	54	31	37	44	51	42	23	5	1	1	0	0	507
GENERAL INSTRUMENT CORPORATION																
Patents By Year of Grant:	134	22	35	23	17	18	21	28	29	25	24	22	27	31	49	505
Patents By Year of Application:	174	32	27	16	27	31	34	25	35	35	43	16	10	0	0	505

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
AGERE SYSTEMS INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	9	34	241	217	501
Patents By Year of Application:	0	0	0	0	1	0	0	6	26	168	143	98	48	11	0	501
PATENT-TREUHAND-GESELLSCHAFT FUR ELEKTRISCHE GLUHLAMPEN MBH																
Patents By Year of Grant:	113	11	11	10	11	16	18	22	32	25	30	55	43	46	55	498
Patents By Year of Application:	127	22	9	13	12	30	27	25	37	45	48	44	45	14	0	498
SGS-THOMSON MICROELECTRONICS, INC.																
Patents By Year of Grant:	16	18	38	30	81	74	101	67	66	1	2	0	0	0	0	494
Patents By Year of Application:	67	46	64	73	103	81	49	11	0	0	0	0	0	0	0	494
TRIMBLE NAVIGATION, LTD.																
Patents By Year of Grant:	3	0	4	7	14	22	33	44	61	70	76	53	43	34	28	492
Patents By Year of Application:	4	6	15	28	42	43	66	91	62	61	34	22	12	6	0	492
DELCO ELECTRONICS CORPORATION																
Patents By Year of Grant:	50	23	24	18	32	59	59	55	59	63	34	6	1	0	0	483
Patents By Year of Application:	89	26	24	43	80	60	62	55	33	11	0	0	0	0	0	483
NGK INSULATORS LTD.																
Patents By Year of Grant:	84	14	21	21	21	16	19	22	21	20	24	39	53	51	42	468
Patents By Year of Application:	114	24	17	17	25	34	22	22	23	36	49	46	30	9	0	468
TOKYO ELECTRON LIMITED																
Patents By Year of Grant:	17	12	20	10	13	15	23	29	27	31	39	58	66	41	61	462
Patents By Year of Application:	44	15	6	19	32	23	27	40	41	39	67	60	30	18	1	462
CONEXANT SYSTEMS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	20	65	115	130	81	50	461
Patents By Year of Application:	0	0	0	0	0	2	9	32	157	129	96	34	2	0	0	461
HAMAMATSU PHOTONICS KABUSHIKI KAISHA																
Patents By Year of Grant:	96	34	23	18	18	19	43	37	26	37	10	9	19	39	30	458
Patents By Year of Application:	148	18	23	23	34	39	27	46	7	6	33	27	20	7	0	458
CORNING INCORPORATED																
Patents By Year of Grant:	74	5	6	13	12	16	9	17	12	17	19	53	76	77	51	457
Patents By Year of Application:	81	10	17	15	15	18	5	20	21	72	70	71	36	6	0	457
GTE LABORATORIES, INC.																
Patents By Year of Grant:	313	31	24	17	16	6	10	4	7	13	13	1	0	0	0	455
Patents By Year of Application:	365	19	16	14	6	11	4	11	9	0	0	0	0	0	0	455

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
MCI COMMUNICATIONS CORP.																
Patents By Year of Grant:	0	0	1	3	1	4	10	29	112	97	65	53	42	19	17	453
Patents By Year of Application:	2	2	3	4	6	81	142	109	87	13	2	2	0	0	0	453
ILLINOIS TOOL WORKS INC.																
Patents By Year of Grant:	110	6	11	8	6	6	11	14	14	11	45	42	41	58	68	451
Patents By Year of Application:	123	12	3	5	17	12	13	19	33	38	49	62	53	12	0	451
OMRON TETEISI ELECTRONICS CO.																
Patents By Year of Grant:	351	46	25	16	5	2	1	0	0	0	0	0	0	0	0	446
Patents By Year of Application:	422	12	6	5	1	0	0	0	0	0	0	0	0	0	0	446
ORACLE CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	3	8	7	58	85	77	67	85	50	5	445
Patents By Year of Application:	0	0	3	1	7	19	73	133	85	79	27	11	7	0	0	445
AISIN SEIKI KABUSHIKI KAISHA																
Patents By Year of Grant:	169	36	20	10	14	10	14	10	9	29	17	20	27	25	30	440
Patents By Year of Application:	226	14	7	8	13	15	13	21	20	18	24	32	23	6	0	440
TEAC CORPORATION																
Patents By Year of Grant:	103	19	28	35	44	29	24	17	11	23	17	28	19	20	23	440
Patents By Year of Application:	154	38	28	26	32	25	13	26	22	21	24	17	12	2	0	440
FORD GLOBAL TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	16	63	60	58	91	112	36	1	437
Patents By Year of Application:	0	0	0	3	5	25	54	67	56	55	106	48	18	0	0	437
BBC BROWN, BOVERI & COMPANY, LIMITED																
Patents By Year of Grant:	426	0	0	0	0	0	0	0	0	0	0	0	0	0	0	426
Patents By Year of Application:	426	0	0	0	0	0	0	0	0	0	0	0	0	0	0	426
AMPEX CORP.																
Patents By Year of Grant:	333	20	15	6	3	14	2	6	9	2	6	0	1	0	1	418
Patents By Year of Application:	370	5	13	3	5	5	8	5	2	1	1	0	0	0	0	418
GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY, LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	20	131	117	149	417
Patents By Year of Application:	0	0	0	0	0	0	0	0	8	38	113	110	125	23	0	417
E. I. DU PONT DE NEMOURS AND COMPANY																
Patents By Year of Grant:	190	41	37	16	28	21	18	5	11	6	10	3	6	6	15	413
Patents By Year of Application:	263	24	25	21	15	14	6	5	11	7	6	5	10	1	0	413

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
INTERNATIONAL STANDARD ELECTRIC CORPORATION (ITT CORP. UNIT)																
Patents By Year of Grant:	413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	413
Patents By Year of Application:	413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	413
SCIENTIFIC-ATLANTA, INC.																
Patents By Year of Grant:	60	20	9	35	32	26	22	17	26	26	27	37	24	31	20	412
Patents By Year of Application:	103	24	31	30	23	28	25	40	25	31	29	17	4	2	0	412
FURUKAWA ELECTRIC CO., LTD.																
Patents By Year of Grant:	30	7	12	18	28	21	22	7	17	25	15	18	43	69	78	410
Patents By Year of Application:	46	18	26	23	23	15	15	31	9	23	48	82	47	4	0	410
KOKUSAI DENSHIN DENWA KABUSHIKI KAISHA																
Patents By Year of Grant:	237	11	14	12	15	8	16	16	19	26	23	8	5	0	0	410
Patents By Year of Application:	257	11	12	14	16	23	18	34	24	1	0	0	0	0	0	410
CHRYSLER MOTORS CORPORATION																
Patents By Year of Grant:	126	20	9	11	19	25	31	24	53	52	28	7	2	0	0	407
Patents By Year of Application:	153	14	16	27	30	34	54	47	30	0	2	0	0	0	0	407
ALLEN-BRADLEY COMPANY																
Patents By Year of Grant:	180	18	19	18	26	26	40	45	25	4	0	0	0	0	0	401
Patents By Year of Application:	221	17	28	22	32	45	29	6	1	0	0	0	0	0	0	401
VARIAN ASSOCIATES, INC.																
Patents By Year of Grant:	286	11	16	10	10	19	5	16	19	4	1	0	0	0	0	397
Patents By Year of Application:	310	12	10	11	11	12	25	6	0	0	0	0	0	0	0	397
AGERE SYSTEMS GUARDIAN CORP.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	166	221	5	1	393
Patents By Year of Application:	0	0	0	1	0	2	0	20	94	170	91	14	1	0	0	393
NGK SPARK PLUG CO., LTD.																
Patents By Year of Grant:	76	10	13	8	18	19	20	6	26	29	23	30	21	45	48	392
Patents By Year of Application:	92	13	19	12	24	15	19	35	24	29	25	42	35	7	1	392
NEC ELECTRONICS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	187	203	390
Patents By Year of Application:	0	0	0	0	0	0	0	0	6	40	89	111	103	40	1	390
PICKER INTERNATIONAL, INC.																
Patents By Year of Grant:	106	24	17	18	32	17	28	27	19	19	43	32	5	0	0	387
Patents By Year of Application:	149	16	23	26	27	24	21	31	49	20	0	1	0	0	0	387

----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ----- Ranked List of Organizations with 200 or More Patents -----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
AGFA-GEVAERT N.V.																
Patents By Year of Grant:	53	12	12	12	21	22	36	25	54	34	26	20	24	16	16	383
Patents By Year of Application:	73	14	16	23	36	40	48	33	36	21	20	13	8	2	0	383
HON HAI PRECISION IND. CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	1	0	1	12	30	46	73	77	141	381
Patents By Year of Application:	0	0	0	0	1	1	0	4	28	57	51	80	121	37	1	381
LICENTIA PATENT-VERWALTUNGS-GMBH																
Patents By Year of Grant:	350	6	3	5	1	2	5	2	1	3	0	1	0	0	0	379
Patents By Year of Application:	361	3	3	1	5	2	3	1	0	0	0	0	0	0	0	379
MATSUSHITA ELECTRONICS CORPORATION																
Patents By Year of Grant:	80	3	16	11	5	17	14	15	39	48	52	51	18	6	2	377
Patents By Year of Application:	98	8	9	14	16	18	43	43	74	32	15	5	1	1	0	377
CLARION CO., LTD.																
Patents By Year of Grant:	226	22	30	19	17	5	10	4	3	1	3	8	11	8	8	375
Patents By Year of Application:	270	22	19	9	8	5	2	3	8	6	11	8	3	1	0	375
RAYCHEM CORPORATION																
Patents By Year of Grant:	203	19	23	14	17	15	10	19	31	15	3	0	0	0	0	369
Patents By Year of Application:	242	16	19	16	10	28	21	15	2	0	0	0	0	0	0	369
MOBIL OIL CORP.																
Patents By Year of Grant:	308	14	11	9	5	1	5	2	3	2	2	1	3	1	0	367
Patents By Year of Application:	321	16	8	3	2	8	2	0	3	4	0	0	0	0	0	367
FRANCE TELECOM																
Patents By Year of Grant:	0	0	2	13	36	27	35	26	49	40	31	26	17	21	32	355
Patents By Year of Application:	0	17	26	38	31	41	44	49	32	21	31	12	10	3	0	355
SARNOFF CORPORATION & CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	4	38	67	65	70	66	41	351
Patents By Year of Application:	0	0	0	0	0	5	17	74	81	62	72	28	10	1	1	351
OMRON CORPORATION																
Patents By Year of Grant:	0	16	18	26	19	17	23	15	36	19	19	22	30	35	54	349
Patents By Year of Application:	38	28	26	17	18	25	32	26	14	25	18	43	24	15	0	349
INTERNATIONAL RECTIFIER CORPORATION																
Patents By Year of Grant:	42	8	3	1	2	9	17	15	34	23	25	31	37	42	55	344
Patents By Year of Application:	51	2	2	6	16	21	21	36	32	28	30	44	33	21	1	344

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
LUCAS INDUSTRIES PUBLIC LTD. COMPANY																
Patents By Year of Grant:	227	17	9	4	6	9	6	10	12	10	7	10	7	5	5	344
Patents By Year of Application:	249	9	6	6	13	7	6	14	4	13	8	5	4	0	0	344
AMP INCORPORATED																
Patents By Year of Grant:	283	35	18	7	0	0	0	0	0	0	0	0	0	0	0	343
Patents By Year of Application:	330	12	1	0	0	0	0	0	0	0	0	0	0	0	0	343
BELLSOUTH INTELLECTUAL PROPERTY CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	12	19	22	45	79	166	343
Patents By Year of Application:	0	0	0	0	0	1	8	26	28	81	86	65	35	13	0	343
AVAYA TECHNOLOGY CORP.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	3	99	86	81	71	340
Patents By Year of Application:	0	0	0	0	0	1	6	15	86	132	72	13	13	2	0	340
DAI NIPPON PRINTING CO. LTD																
Patents By Year of Grant:	7	0	1	7	18	18	31	21	33	38	37	26	29	30	44	340
Patents By Year of Application:	8	8	19	15	26	40	38	32	44	23	23	40	20	4	0	340
MAXTOR CORPORATION																
Patents By Year of Grant:	14	3	7	8	15	17	15	8	12	15	17	34	63	52	56	336
Patents By Year of Application:	22	7	13	24	14	15	15	8	24	89	45	43	15	2	0	336
QUANTUM CORP. (CA)																
Patents By Year of Grant:	0	1	4	14	13	35	38	28	49	34	43	28	9	15	20	331
Patents By Year of Application:	5	14	20	22	40	39	45	44	39	24	15	14	9	1	0	331
HUBBELL INCORPORATED																
Patents By Year of Grant:	33	10	9	19	16	30	9	21	20	25	32	26	37	21	22	330
Patents By Year of Application:	48	17	21	23	17	25	22	24	30	30	27	32	9	4	1	330
MITSUMI ELECTRIC CO., LTD.																
Patents By Year of Grant:	7	1	2	3	5	14	18	16	27	43	36	38	37	43	40	330
Patents By Year of Application:	11	3	6	8	20	15	24	57	34	43	42	34	31	2	0	330
NIPPON STEEL CORP.																
Patents By Year of Grant:	56	8	18	18	31	33	28	28	38	19	14	13	11	7	5	327
Patents By Year of Application:	78	26	27	23	34	36	36	26	17	7	6	3	7	1	0	327
DAIMLER-CHRYSLER AKTIENGESSELLSCHAFT																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	7	60	92	76	53	38	326
Patents By Year of Application:	0	0	0	0	1	2	7	22	51	104	69	40	25	5	0	326

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	Pre																
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL	
HYNIX SEMICONDUCTOR INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	3	44	121	158	326	
Patents By Year of Application:	0	0	0	0	1	0	0	1	4	9	23	118	140	30	0	326	
INTERDIGITAL TECHNOLOGY CORPORATION																	
Patents By Year of Grant:	0	0	0	6	12	9	8	18	14	21	17	26	39	53	102	325	
Patents By Year of Application:	1	6	5	16	14	10	22	29	12	26	30	42	105	7	0	325	
ELECTRIC POWER RESEARCH INSTITUTE, INC.																	
Patents By Year of Grant:	180	7	9	12	24	20	14	17	12	9	1	3	2	3	4	317	
Patents By Year of Application:	193	18	21	22	18	15	11	7	2	1	3	5	1	0	0	317	
MCDONNELL DOUGLAS CORP.																	
Patents By Year of Grant:	119	17	4	14	6	11	18	14	38	29	21	17	5	0	2	315	
Patents By Year of Application:	145	9	10	6	18	17	35	35	30	7	1	2	0	0	0	315	
MICRON ELECTRONICS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	2	11	21	87	117	62	11	2	1	314	
Patents By Year of Application:	0	0	0	2	2	8	33	177	67	19	2	3	0	1	0	314	
SIEMENS ENERGY & AUTOMATION, INC.																	
Patents By Year of Grant:	42	6	6	8	12	16	19	18	28	27	27	35	21	29	20	314	
Patents By Year of Application:	52	9	13	16	26	17	30	18	33	38	27	22	7	4	2	314	
GRUMMAN AEROSPACE CORPORATION																	
Patents By Year of Grant:	164	38	40	20	13	20	9	6	2	0	0	0	0	0	0	312	
Patents By Year of Application:	232	26	15	15	22	1	1	0	0	0	0	0	0	0	0	312	
SANKYO SEIKI MFG. CO., LTD.																	
Patents By Year of Grant:	49	9	8	14	12	16	17	26	24	18	16	21	19	34	29	312	
Patents By Year of Application:	65	7	21	21	15	26	22	16	25	18	28	25	21	2	0	312	
SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM																	
Patents By Year of Grant:	138	18	7	15	13	16	15	7	18	14	22	16	9	1	2	311	
Patents By Year of Application:	172	12	14	17	12	13	15	16	24	11	2	1	1	1	0	311	
SUMITOMO WIRING SYSTEMS, LTD., CO.																	
Patents By Year of Grant:	4	0	5	5	7	14	19	29	36	31	33	25	40	33	30	311	
Patents By Year of Application:	5	7	7	14	35	27	26	36	23	32	33	26	20	18	2	311	
ADAPTEC, INC.																	
Patents By Year of Grant:	0	0	1	0	0	2	6	21	32	45	56	46	42	22	37	310	
Patents By Year of Application:	0	2	2	4	17	26	21	54	72	47	42	12	10	1	0	310	

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
MACRONIX INTERNATIONAL CO., LTD.																
Patents By Year of Grant:	0	0	1	0	0	5	9	10	18	24	28	25	43	76	68	307
Patents By Year of Application:	1	0	0	6	5	12	19	23	24	35	14	66	79	23	0	307
INTEGRATED DEVICE TECHNOLOGY, INC.																
Patents By Year of Grant:	11	5	9	5	9	12	19	19	51	41	26	33	18	23	24	305
Patents By Year of Application:	27	10	7	8	14	33	41	51	28	23	20	21	17	5	0	305
DAIMLER-BENZ AKTIENGESELLSCHAFT																
Patents By Year of Grant:	89	15	14	14	16	20	20	30	41	30	8	6	0	0	0	303
Patents By Year of Application:	111	21	15	17	30	33	34	30	11	1	0	0	0	0	0	303
SINGER COMPANY																
Patents By Year of Grant:	303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	303
Patents By Year of Application:	303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	303
DALLAS SEMICONDUCTOR CORPORATION																
Patents By Year of Grant:	48	24	21	24	14	7	29	24	30	26	28	17	7	1	2	302
Patents By Year of Application:	109	17	11	13	24	31	25	21	29	10	7	4	1	0	0	302
TANDEM COMPUTERS INCORPORATED																
Patents By Year of Grant:	80	13	5	12	22	18	22	21	46	36	18	6	0	0	0	299
Patents By Year of Application:	105	11	21	16	21	55	26	31	11	2	0	0	0	0	0	299
LEXMARK INTERNATIONAL, INC.																
Patents By Year of Grant:	0	4	7	8	7	8	10	17	25	33	33	39	30	39	38	298
Patents By Year of Application:	9	5	9	11	12	13	30	39	17	35	52	40	17	9	0	298
VISTEON GLOBAL TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	11	75	52	64	95	297
Patents By Year of Application:	0	0	0	0	0	1	1	7	26	59	59	49	69	25	1	297
HUGHES ELECTRONIC DEVICES CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	29	165	96	2	1	1	0	0	0	295
Patents By Year of Application:	4	0	2	6	45	113	121	4	0	0	0	0	0	0	0	295
IOMEGA CORPORATION																
Patents By Year of Grant:	26	0	3	8	8	1	8	18	18	44	51	45	19	25	21	295
Patents By Year of Application:	29	8	5	4	7	18	21	67	46	39	30	20	0	1	0	295
NATIONAL RESEARCH DEVELOPMENT CORPORATION																
Patents By Year of Grant:	264	11	12	1	1	0	0	0	0	0	0	1	2	1	0	293
Patents By Year of Application:	283	5	0	0	1	0	0	0	1	0	2	1	0	0	0	293

----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ----- Ranked List of Organizations with 200 or More Patents -----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
WHITAKER CORPORATION																
Patents By Year of Grant:	0	0	0	4	42	29	33	26	41	35	38	27	10	3	2	290
Patents By Year of Application:	2	6	24	37	34	31	38	53	37	24	4	0	0	0	0	290
ASEA AKTIEBOLAG																
Patents By Year of Grant:	289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	289
Patents By Year of Application:	289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	289
COOPER INDUSTRIES INC.																
Patents By Year of Grant:	124	16	14	17	13	13	19	17	22	9	8	5	3	5	4	289
Patents By Year of Application:	150	15	18	21	12	18	21	11	8	5	5	4	0	1	0	289
GOULD INC.																
Patents By Year of Grant:	272	4	5	4	3	0	0	0	0	0	0	0	0	0	0	288
Patents By Year of Application:	278	5	2	3	0	0	0	0	0	0	0	0	0	0	0	288
RAMBUS, INC.																
Patents By Year of Grant:	0	0	0	3	5	9	10	8	13	19	34	28	41	55	63	288
Patents By Year of Application:	0	0	9	6	11	11	11	29	30	35	56	48	26	16	0	288
BELL ATLANTIC NETWORK SERVICES, INC.																
Patents By Year of Grant:	0	3	4	10	6	13	25	46	62	28	42	36	9	1	2	287
Patents By Year of Application:	5	12	9	7	25	93	42	50	30	10	4	0	0	0	0	287
TOKAI RIKI DENKI SEISAKUSHO K.K.																
Patents By Year of Grant:	100	11	11	9	6	8	13	16	16	10	11	20	11	23	22	287
Patents By Year of Application:	119	8	9	9	17	10	17	16	6	23	14	20	12	7	0	287
WESTERN ATLAS INTERNATIONAL, INC.																
Patents By Year of Grant:	57	6	11	11	13	20	33	27	37	28	34	5	0	1	0	283
Patents By Year of Application:	68	11	17	17	17	39	35	43	31	4	0	1	0	0	0	283
SANDIA CORPORATION																
Patents By Year of Grant:	1	2	1	1	8	7	14	21	25	26	27	33	42	43	31	282
Patents By Year of Application:	4	4	6	9	16	24	26	29	30	39	29	40	18	8	0	282
SIEMENS INFORMATION AND COMMUNICATIONS NETWORKS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	58	40	48	48	31	57	282
Patents By Year of Application:	0	0	0	0	0	4	31	78	80	45	19	21	4	0	0	282
ANDO ELECTRIC CO., LTD.																
Patents By Year of Grant:	18	3	7	8	8	12	18	14	19	28	28	28	37	28	22	278
Patents By Year of Application:	29	8	6	9	8	21	22	28	50	24	36	26	11	0	0	278

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
GENERAL SIGNAL CORPORATION																
Patents By Year of Grant:	188	20	6	5	5	11	3	5	19	6	2	3	3	1	0	277
Patents By Year of Application:	215	7	5	4	6	9	16	5	4	2	3	1	0	0	0	277
NORITSU KOKI CO., LTD.																
Patents By Year of Grant:	24	0	0	0	4	32	20	39	58	36	32	10	12	4	6	277
Patents By Year of Application:	24	0	0	7	48	51	51	38	27	18	5	1	6	1	0	277
BULL S.A.																
Patents By Year of Grant:	35	9	14	25	16	15	25	19	25	20	15	19	21	8	9	275
Patents By Year of Application:	68	18	18	21	21	20	24	30	19	17	10	5	2	2	0	275
DATA GENERAL CORP.																
Patents By Year of Grant:	216	8	4	2	8	4	2	6	6	13	4	1	0	0	0	274
Patents By Year of Application:	231	1	7	4	2	6	13	6	3	1	0	0	0	0	0	274
BULL HN INFORMATION SYSTEMS INC.																
Patents By Year of Grant:	42	15	25	27	26	18	19	18	12	12	13	9	21	9	7	273
Patents By Year of Application:	109	22	20	16	16	12	11	15	18	18	12	3	1	0	0	273
DISCOVISION ASSOCIATES																
Patents By Year of Grant:	90	3	2	2	3	5	17	23	37	26	26	18	10	4	6	272
Patents By Year of Application:	94	2	1	9	15	82	5	39	8	7	5	3	1	1	0	272
KYOCERA CORPORATION																
Patents By Year of Grant:	32	9	7	7	4	8	5	14	18	13	30	26	32	38	27	270
Patents By Year of Application:	49	6	8	2	9	15	20	17	34	25	33	22	21	9	0	270
MAZDA MOTOR CORPORATION																
Patents By Year of Grant:	59	14	16	26	25	23	14	17	16	14	10	13	5	7	7	266
Patents By Year of Application:	92	25	21	29	25	15	9	13	9	7	6	11	2	2	0	266
ATI INTERNATIONAL SRL																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	6	11	44	72	70	59	262
Patents By Year of Application:	0	0	0	0	0	0	2	7	50	123	70	7	3	0	0	262
MINEBEA KABUSHIKI-KAISHA (MINEBEA CO., LTD)																
Patents By Year of Grant:	3	0	1	3	8	2	6	8	26	18	27	26	30	47	57	262
Patents By Year of Application:	4	1	4	7	8	11	23	27	19	32	28	46	34	18	0	262
SPRINT COMMUNICATIONS COMPANY L.P.																
Patents By Year of Grant:	0	0	0	1	1	1	5	2	13	13	22	28	41	52	82	261
Patents By Year of Application:	0	2	0	4	5	13	19	16	48	43	55	15	33	8	0	261

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL	
KABUSHIKI KAISHA KAWAI GAKKI SEISAKUSHO																	
Patents By Year of Grant:	84	5	10	23	28	30	12	14	10	14	5	8	7	6	4	260	
Patents By Year of Application:	97	16	29	31	18	13	13	10	9	4	8	6	5	1	0	260	
ASEA BROWN BOVERI AB																	
Patents By Year of Grant:	21	2	5	7	12	13	22	17	9	28	15	29	34	23	22	259	
Patents By Year of Application:	24	7	14	14	17	21	9	28	29	29	23	27	13	4	0	259	
BENDIX CORPORATION(NOW ALLIED-SIGNAL INC.)																	
Patents By Year of Grant:	257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257	
Patents By Year of Application:	257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257	
KABUSHIKI KAISHA DAINI SEIKOSHA																	
Patents By Year of Grant:	257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257	
Patents By Year of Application:	257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257	
SEIKOSHA CO., LTD.																	
Patents By Year of Grant:	129	32	33	18	17	15	7	1	1	0	0	0	0	0	0	253	
Patents By Year of Application:	188	22	20	15	3	5	0	0	0	0	0	0	0	0	0	253	
3M INNOVATIVE PROPERTIES COMPANY																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	13	38	33	47	53	68	252	
Patents By Year of Application:	0	0	0	3	0	3	3	25	39	43	42	57	26	11	0	252	
ADOBE SYSTEMS, INC.																	
Patents By Year of Grant:	1	1	1	8	4	1	12	8	19	28	31	41	27	28	42	252	
Patents By Year of Application:	5	6	5	8	7	14	32	50	49	41	23	6	4	2	0	252	
SAMSUNG SDI CO., LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	13	68	70	99	250	
Patents By Year of Application:	0	0	0	0	0	0	0	0	3	20	88	72	50	17	0	250	
ITT MANUFACTURING ENTERPRISES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	10	39	56	46	39	27	32	249	
Patents By Year of Application:	3	0	0	0	2	1	4	60	55	36	31	33	17	7	0	249	
ITT INDUSTRIES, INC.																	
Patents By Year of Grant:	228	0	0	0	0	0	1	1	14	2	1	1	0	0	0	248	
Patents By Year of Application:	228	0	0	0	0	1	16	3	0	0	0	0	0	0	0	248	
OSRAM SYLVANIA INC.																	
Patents By Year of Grant:	0	0	0	0	12	9	22	20	22	28	23	27	18	25	39	245	
Patents By Year of Application:	0	1	8	9	18	26	27	22	26	36	12	26	28	6	0	245	

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
BLACK & DECKER INC.																
Patents By Year of Grant:	103	6	10	5	3	10	10	4	12	7	18	10	11	18	17	244
Patents By Year of Application:	116	5	7	6	13	10	7	9	10	18	11	10	19	3	0	244
ROCKWELL COLLINS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	21	46	70	55	50	244
Patents By Year of Application:	0	0	0	0	1	0	0	9	26	73	78	33	17	7	0	244
NOVELL, INC.																
Patents By Year of Grant:	0	0	1	1	2	3	5	14	28	54	45	17	22	27	24	243
Patents By Year of Application:	2	0	4	4	7	19	47	70	26	32	18	12	2	0	0	243
SAMSUNG ELECTRO-MECHANICS CO., LTD.																
Patents By Year of Grant:	4	0	3	5	0	6	3	9	29	17	12	23	24	56	51	242
Patents By Year of Application:	7	4	0	7	2	13	29	21	11	22	16	52	49	8	1	242
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.																
Patents By Year of Grant:	19	8	4	3	11	10	10	13	16	19	15	17	38	26	31	240
Patents By Year of Application:	31	10	7	8	10	15	16	21	17	29	33	20	18	4	1	240
GATEWAY 2000, INC.																
Patents By Year of Grant:	0	0	0	0	0	1	1	3	14	21	23	29	46	47	55	240
Patents By Year of Application:	0	0	0	0	1	11	27	26	52	62	32	13	13	3	0	240
AGENCY OF INDUSTRIAL SCIENCE & TECHNOLOGY																
Patents By Year of Grant:	107	14	16	8	7	14	6	9	13	7	5	3	8	16	6	239
Patents By Year of Application:	135	10	4	11	14	8	12	8	4	5	22	1	4	0	1	239
ALCATEL USA SOURCING, L.P.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	50	61	60	44	19	5	239
Patents By Year of Application:	0	0	0	0	0	0	34	102	51	31	18	1	2	0	0	239
RCA LICENSING CORPORATION																
Patents By Year of Grant:	186	46	3	3	0	0	1	0	0	0	0	0	0	0	0	239
Patents By Year of Application:	235	2	1	0	0	1	0	0	0	0	0	0	0	0	0	239
STANLEY ELECTRIC CO., LTD.																
Patents By Year of Grant:	61	7	16	15	11	13	6	2	7	17	26	16	19	17	6	239
Patents By Year of Application:	79	15	13	14	7	3	2	21	25	20	15	18	4	2	1	239
JEOL LTD.																
Patents By Year of Grant:	72	17	13	12	8	3	5	4	14	12	14	10	13	15	26	238
Patents By Year of Application:	95	12	12	5	5	4	11	17	15	10	16	13	21	2	0	238

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(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
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SENSORMATIC ELECTRONICS CORPORATION

Patents By Year of Grant:	30	8	10	7	12	10	14	16	26	39	23	14	9	9	10	237
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Patents By Year of Application:	49	7	10	7	20	23	35	21	27	12	11	9	6	0	0	237
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FUJI JUKOGYO KABUSHIKI KAISHA

Patents By Year of Grant:	38	34	10	7	5	8	14	10	14	6	9	16	21	21	22	235
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Patents By Year of Application:	85	4	3	8	16	12	11	9	11	18	23	17	13	5	0	235
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GTE AUTOMATIC ELECTRIC LABORATORIES INCORPORATED

Patents By Year of Grant:	235	0	0	0	0	0	0	0	0	0	0	0	0	0	0	235
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Patents By Year of Application:	235	0	0	0	0	0	0	0	0	0	0	0	0	0	0	235
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SUWA SEIKOSHA CO., LTD.

Patents By Year of Grant:	233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	233
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Patents By Year of Application:	233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	233
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SAMSUNG DISPLAY DEVICES CO., LTD.

Patents By Year of Grant:	0	0	0	0	1	6	17	28	44	33	31	45	20	6	1	232
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Patents By Year of Application:	0	0	1	7	14	38	41	34	44	47	4	2	0	0	0	232
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USHIO DENKI KABUSHIKI KAISYA

Patents By Year of Grant:	36	7	2	2	1	2	8	6	10	23	13	16	30	40	36	232
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Patents By Year of Application:	43	4	1	1	7	13	13	14	18	22	35	26	30	5	0	232
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ROBERTSHAW CONTROLS COMPANY

Patents By Year of Grant:	149	7	12	12	11	12	8	6	3	1	3	0	0	5	1	230
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Patents By Year of Application:	162	8	16	11	13	7	4	0	3	1	1	3	1	0	0	230
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SHARP LABORATORIES OF AMERICA, INC.

Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	15	21	34	46	57	54	229
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Patents By Year of Application:	0	0	0	0	0	0	2	25	39	78	40	22	15	8	0	229
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ETA SA FABRIQUES D'EBAUCHES OF GRANGES

Patents By Year of Grant:	71	21	8	10	15	12	8	8	14	9	9	6	12	13	12	228
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Patents By Year of Application:	92	17	11	12	11	12	9	13	9	7	14	13	8	0	0	228
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VIA TECHNOLOGIES, INC.

Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	15	18	42	48	103	228
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Patents By Year of Application:	0	0	0	0	0	1	0	0	19	43	39	42	66	17	1	228
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READ-RITE CORPORATION

Patents By Year of Grant:	1	0	1	4	8	10	4	9	29	28	26	42	50	15	0	227
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Patents By Year of Application:	1	4	4	8	11	12	24	33	44	56	16	10	4	0	0	227
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---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
PERKIN-ELMER CORPORATION																
Patents By Year of Grant:	186	7	4	4	5	3	3	3	2	3	4	2	0	0	0	226
Patents By Year of Application:	196	6	5	1	4	4	3	5	1	0	1	0	0	0	0	226
SHIMADZU CORPORATION																
Patents By Year of Grant:	18	8	16	13	11	11	12	12	12	14	13	15	26	33	12	226
Patents By Year of Application:	34	20	5	16	12	10	16	17	13	17	18	26	19	3	0	226
ADC TELECOMMUNICATIONS, INC.																
Patents By Year of Grant:	8	8	4	3	1	6	4	8	3	12	13	29	38	45	43	225
Patents By Year of Application:	17	8	1	6	7	5	11	15	24	32	30	45	23	1	0	225
AMOCO CORPORATION																
Patents By Year of Grant:	133	24	20	21	10	0	6	2	6	3	0	0	0	0	0	225
Patents By Year of Application:	168	26	12	2	4	7	5	1	0	0	0	0	0	0	0	225
CSELT - CENTRO STUDI E LABORATORI TELECOMUNICAZIONI S.P.A.																
Patents By Year of Grant:	160	6	8	3	3	1	8	7	9	4	6	9	1	0	0	225
Patents By Year of Application:	172	4	3	1	6	10	9	3	11	5	1	0	0	0	0	225
INTERMEC IP CORP.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	36	68	54	32	20	14	225
Patents By Year of Application:	0	0	0	0	2	7	16	42	68	63	19	5	2	1	0	225
WISCONSIN ALUMNI RESEARCH FOUNDATION																
Patents By Year of Grant:	51	13	11	15	15	10	10	13	11	10	12	8	15	19	12	225
Patents By Year of Application:	74	11	15	17	9	12	12	12	9	15	17	12	8	2	0	225
MITEL CORPORATION																
Patents By Year of Grant:	66	5	5	5	3	12	16	20	8	21	11	12	10	16	14	224
Patents By Year of Application:	77	3	8	10	22	12	13	22	12	26	15	4	0	0	0	224
NIPPON SOKEN, INC.																
Patents By Year of Grant:	184	5	1	0	3	2	1	3	7	3	3	4	1	5	2	224
Patents By Year of Application:	189	1	3	1	2	6	7	2	3	2	1	2	5	0	0	224
TOSHIBA TEC KABUSHIKI KAISHA																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	9	56	82	62	14	223
Patents By Year of Application:	0	0	0	0	1	0	1	1	3	26	105	73	12	1	0	223
CARL ZEISS STIFTUNG																
Patents By Year of Grant:	86	13	7	9	10	4	10	10	8	10	7	11	11	18	8	222
Patents By Year of Application:	102	12	8	9	8	11	9	9	11	7	17	15	4	0	0	222

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
DONNELLY CORPORATION																
Patents By Year of Grant:	14	4	8	9	4	6	7	11	13	16	20	31	35	19	25	222
Patents By Year of Application:	29	7	4	4	8	9	9	22	13	36	30	26	22	3	0	222
FAIRCHILD SEMICONDUCTOR CORPORATION																
Patents By Year of Grant:	55	5	1	0	0	0	0	0	3	10	14	15	39	33	47	222
Patents By Year of Application:	60	1	0	1	0	1	4	7	19	28	29	32	31	9	0	222
HITACHI METALS LTD.																
Patents By Year of Grant:	58	17	17	13	13	8	20	12	20	9	8	9	7	7	4	222
Patents By Year of Application:	82	22	8	17	12	13	18	21	3	10	6	8	2	0	0	222
NORAND CORPORATION																
Patents By Year of Grant:	29	8	7	16	22	14	33	27	33	29	4	0	0	0	0	222
Patents By Year of Application:	52	7	22	17	34	50	24	16	0	0	0	0	0	0	0	222
NOKIA NETWORKS OY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	5	39	81	37	58	220
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	49	112	56	2	0	0	220
BAKER HUGHES INCORPORATED																
Patents By Year of Grant:	4	5	5	8	8	8	6	5	11	11	24	20	39	37	28	219
Patents By Year of Application:	11	8	11	8	9	6	11	12	21	29	34	35	22	2	0	219
ATT WIRELESS SERVICES INC																
Patents By Year of Grant:	0	0	0	0	0	0	0	2	13	40	18	23	42	37	42	217
Patents By Year of Application:	0	0	0	0	3	14	34	49	23	22	38	13	20	1	0	217
TERADYNE, INC.																
Patents By Year of Grant:	45	2	0	2	4	0	10	11	10	10	12	16	29	28	37	216
Patents By Year of Application:	49	0	1	6	8	11	13	13	14	30	31	19	19	2	0	216
HITACHI MAXELL, LTD.																
Patents By Year of Grant:	65	19	11	8	10	13	8	7	6	12	7	9	16	14	10	215
Patents By Year of Application:	93	12	10	6	14	10	7	9	10	12	16	8	7	1	0	215
FUNAI ELECTRIC CO., LTD.																
Patents By Year of Grant:	4	0	0	5	5	7	7	10	10	13	20	30	29	28	46	214
Patents By Year of Application:	4	4	7	7	4	18	9	15	37	30	27	30	20	2	0	214
NATIONAL INSTRUMENTS CORPORATION																
Patents By Year of Grant:	0	0	0	0	3	1	9	15	27	29	29	26	25	22	28	214
Patents By Year of Application:	1	1	1	5	6	23	20	42	32	28	31	17	5	2	0	214

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2004) ---- Ranked List of Organizations with 200 or More Patents ----

Pre

1991 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 TOTAL

PARADYNE CORPORATION

Patents By Year of Grant: 56 0 0 0 0 0 0 15 33 21 28 21 10 15 15 214

Patents By Year of Application: 56 0 1 1 8 21 15 51 28 20 8 5 0 0 0 214

JOHN FLUKE MFG. CO., INC.

Patents By Year of Grant: 77 13 7 8 7 14 22 11 11 13 4 6 4 10 4 211

Patents By Year of Application: 93 13 2 13 19 13 16 18 5 7 6 5 1 0 0 211

WANG LABORATORIES, INC.

Patents By Year of Grant: 114 13 22 14 13 14 11 5 2 3 0 0 0 0 0 211

Patents By Year of Application: 155 15 7 14 12 4 3 1 0 0 0 0 0 0 0 211

EMHART INDUSTRIES, INC.

Patents By Year of Grant: 196 8 4 0 1 0 0 0 0 0 0 0 0 0 0 209

Patents By Year of Application: 207 2 0 0 0 0 0 0 0 0 0 0 0 0 0 209

FUTABA DENSHI KOGYO KABUSHIKI KAISHA

Patents By Year of Grant: 77 4 7 6 3 10 9 15 30 10 16 10 5 2 5 209

Patents By Year of Application: 84 10 3 13 17 12 22 18 13 7 4 6 0 0 0 209

SCHNEIDER ELECTRIC SA

Patents By Year of Grant: 0 0 0 0 0 0 18 13 27 43 26 22 22 23 15 209

Patents By Year of Application: 0 0 0 0 15 19 20 41 31 25 16 27 9 6 0 209

INTERNATIONAL COMPUTERS LIMITED

Patents By Year of Grant: 105 7 10 7 6 10 11 7 16 8 2 4 10 5 0 208

Patents By Year of Application: 123 4 10 10 6 14 16 9 5 8 3 0 0 0 0 208

FAIRCHILD CAMERA AND INSTRUMENT CORPORATION

Patents By Year of Grant: 206 0 1 0 0 0 0 0 0 0 0 0 0 0 0 207

Patents By Year of Application: 207 0 0 0 0 0 0 0 0 0 0 0 0 0 0 207

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE

Patents By Year of Grant: 74 9 12 9 14 15 13 17 15 11 11 6 1 0 0 207

Patents By Year of Application: 96 8 13 15 18 15 17 11 8 6 0 0 0 0 0 207

NTT MOBILE COMMUNICATIONS NETWORK INC.

Patents By Year of Grant: 0 0 0 0 1 3 12 25 47 32 33 18 11 14 10 206

Patents By Year of Application: 0 0 1 3 14 41 52 50 18 16 7 1 3 0 0 206

TEXACO INC.

Patents By Year of Grant: 159 8 5 5 4 7 6 5 2 1 2 1 0 1 0 206

Patents By Year of Application: 170 5 4 7 9 6 2 0 2 0 1 0 0 0 0 206

----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2004) ----- Ranked List of Organizations with 200 or More Patents -----

	Pre 1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	TOTAL
MAXIM INTEGRATED PRODUCTS, INC.																
Patents By Year of Grant:	17	4	1	0	0	2	9	14	19	22	22	30	31	20	12	203
Patents By Year of Application:	21	1	0	0	13	12	16	18	30	34	21	24	9	4	0	203
AISIN AW CO., LTD.																
Patents By Year of Grant:	9	3	9	7	4	7	9	8	26	31	29	18	8	20	14	202
Patents By Year of Application:	19	10	1	10	11	16	39	29	16	7	17	13	10	4	0	202
ALPINE ELECTRONICS INC.																
Patents By Year of Grant:	28	10	4	9	3	4	8	8	13	15	11	14	21	19	34	201
Patents By Year of Application:	43	8	1	8	6	12	21	10	10	13	20	30	16	3	0	201
TIMEX CORPORATION																
Patents By Year of Grant:	133	5	5	15	2	3	13	9	7	1	5	3	0	0	0	201
Patents By Year of Application:	138	4	14	5	9	10	12	2	3	4	0	0	0	0	0	201
COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	4	157	39	0	200
Patents By Year of Application:	1	0	0	0	0	2	3	14	54	56	36	31	3	0	0	200
HITACHI MEDICAL CORPORATION																
Patents By Year of Grant:	47	6	7	4	10	10	13	12	8	16	12	11	18	16	10	200
Patents By Year of Application:	58	7	5	12	19	9	17	16	13	11	11	12	8	2	0	200
UNITED TECHNOLOGIES AUTOMOTIVE, INC.																
Patents By Year of Grant:	44	6	5	11	9	10	15	15	40	41	2	0	2	0	0	200
Patents By Year of Application:	53	12	7	14	12	27	29	37	9	0	0	0	0	0	0	200
WESTERN DIGITAL CORPORATION																
Patents By Year of Grant:	44	8	9	4	3	1	3	11	30	33	28	25	0	0	1	200
Patents By Year of Application:	57	10	1	3	3	10	21	47	34	11	2	1	0	0	0	200
Other Organizations (51489)																
Patents By Year of Grant:	69151	7235	7004	7435	7912	8288	9203	9036	13430	13609	14748	16446	18222	20119	23057	244895
Patents By Year of Application:	82668	7920	8050	8618	10047	12043	13288	15823	16800	18834	18948	16364	12041	3346	105	244895