

TECHNOLOGY ASSESSMENT AND FORECAST REPORT

MECHANICAL CLASSES

1/1994 – 12/2013



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

Technology Profile Report - MECHANICAL Classes

Explanation of Data

This Technology Profile Report profiles the patent activity for U.S. utility patents granted between **1994** and **December 2013** in MECHANICAL 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 2000**" column, correspond to selected patents in the data base which were granted during the period **1994 to 1999**.

Part B

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

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

Since the average time period between filing for a utility patent and the issuing of the patent (i.e., the patent's "pendency") is now about **35** months, the patented application data for applications filed in the most recent years are incomplete.* This is because the patents included in this report are limited to those granted during the specified time period. However, a significant number of the applications filed during the most recent years of this time period were still pending at the end of the period. While many of these applications eventually will be patented, they will not be patented until sometime following the end of the period displayed in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity since, for the most part, such fluctuations would be immune from changes in U.S. Patent and Trademark Office (PTO) processing such as occurred in years such as in 1986 and 2005 when

the PTO issued fewer patents than would have normally been expected because of administrative reasons. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc.

"Patents Granted By Date of Patent Application", as shown in the "**Pre 2000**" column, correspond to utility patent grants in the report that were filed prior to **2000**.

Parts of the Report

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

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

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

Part B is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) that have received 200 or more U.S. utility patents since 1986. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented applications were filed. Information regarding patent ownership reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

* For example, in a report profiling utility patents granted through December 2013, patent grant data, as distributed by year of application are approximately 96% complete for utility patent applications filed in 2004, 92% complete for applications filed in 2005, 84% complete for applications filed in 2006, 74% complete for applications filed in 2007, 59% complete for applications filed in 2008, 50% complete for applications filed in 2009, 39% complete for applications filed in 2010, and 24% complete for applications filed in 2011; data are essentially complete for applications filed prior to 2004.

CHEMICAL, ELECTRICAL, MECHANICAL CLASSES

DECEMBER 2013

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	210	216	252	260	264
	376	419	420	422	423	424	426	427	428	429	430	435	436	438	442	501
	502	503	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	977	987				

The following subclasses are also Chemical: 29/2, 25.01-25.03, 623.1-623.5; 118/47, 715-733; 131/274 279; 134/1 42; 505/100-126, 300-512, 725-785, 800-824, 951

ELECTRICAL	174	177	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	347	348	349	352	355	356	358	359	360
	361	362	363	365	367	368	369	370	372	373	375	377	378	379	380	381
	382	385	386	388	392	396	398	399	455	505	700	701	702	703	704	705
	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	725
	726	850	902													

The following subclasses are also Electrical: 84/600-746; 204/157.2-157.22; 209/ 127.1-131, 511, 524-528, 536, 563-590; 244/3.1-3.14; 434/1-10, 307R-321, 350-362; 600/310-361, 372-397, 407-436, 473-480, 509-525, 544-548; 604/20-21; 607/2-76, 98-103, 115-156; 968/446-604, 783, 802, 820-830, 837-856, 876-977; 977/720-723, 839, 849-881, 901, 932-960; 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	180	181	182	184	185	186	187	188	190	192	193	194	198
	199	206	209	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	261	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	351	353	366	374	383	384	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	903	968	984										

The following subclasses are also Mechanical: 8/147-159; 156/349-584; 210/348-540; 346/139R-145; 347/1-109; 352/143-197, 204-243; 359/503-553, 600-617, 838-883; 368/89-106, 124-154, 168-202, 206-216, 276-326; 378/167-209; 385/53-99; 396/341-372, 411-428, 439-543, 564-660; 588/249-250, 252-260; 726/35; 977/724-733, 904-913, 919, 962

TECHNOLOGY ASSESSMENT AND FORECAST PROGRAM TECHNOLOGY DISCIPLINES FOR
U.S. PATENT CLASSIFICATION SYSTEM CLASSES AS OF DECEMBER 2013
CHEMICAL, ELECTRICAL, MECHANICAL

Class	Class	Class	Class	Class	Class	Class	Class	Class	Class	Class
2M	66M	124M	181M	228M	289M	343E	398E	441M	522C	707E
4M	68M	125M	182M	229M	290E	345E	399E	442C	523C	708E
5M	69M	126M	184M	231M	291M	346E*	400M	445M	524C	709E
7M	70M	127C	185M	232M	292M	347E*	401M	446M	525C	710E
8C*	71C	128M	186M	234M	293M	348E	402M	449M	526C	711E
12M	72M	131M*	187M	235E	294M	349E	403M	450M	527C	712E
14M	73M	132M	188M	236M	295M	351M	404M	451M	528C	713E
15M	74M	134M*	190M	237M	296M	352E*	405M	452M	530C	714E
16M	75C	135M	191E	238M	297M	353M	406M	453M	532C	715E
19M	76M	136C	192M	239M	298M	355E	407M	454M	534C	716E
23C	79M	137M	193M	241M	299M	356E	408M	455E	536C	717E
24M	81M	138M	194M	242M	300M	358E	409M	460M	540C	718E
26M	82M	139M	196C	244M*	301M	359E*	410M	462M	544C	719E
27M	83M	140M	198M	245M	303M	360E	411M	463M	546C	720E
28M	84M*	141M	199M	246M	305M	361E	412M	464M	548C	725E
29M*	86M	142M	200E	248M	307E	362E	413M	470M	549C	726E*
30M	87M	144M	201C	249M	310E	363E	414M	472M	552C	800C
33M	89M	147M	202C	250E	312M	365E	415M	473M	554C	850E
34M	91M	148C	203C	251M	313E	366M	416M	474M	556C	901M
36M	92M	149C	204C*	252C	314E	367E	417M	475M	558C	902E
37M	95C	150M	205C	254M	315E	368E*	418M	476M	560C	903M
38M	96C	152M	206M	256M	318E	369E	419C	477M	562C	930C
40M	99M	156C*	208C	257E	320E	370E	420C	482M	564C	968M*
42M	100M	157M	209M*	258M	322E	372E	422C	483M	568C	976C
43M	101M	159C	210C*	260C	323E	373E	423C	492M	570C	977C*
44C	102M	160M	211M	261M	324E	374M	424C	493M	585C	984M*
47M	104M	162C	212M	264C	326E	375E	425M	494M	588C*	987C
48C	105M	163M	213M	266M	327E	376C	426C	501C	600M*	
49M	106C	164M	215M	267M	329E	377E	427C	502C	601M	
51C	108M	165M	216C	269M	330E	378E*	428C	503C	602M	
52M	109M	166M	217M	270M	331E	379E	429C	504C	604M*	
53M	110M	168M	218E	271M	332E	380E	430C	505E*	606M	
54M	111M	169M	219E	273M	333E	381E	431M	507C	607M*	
55C	112M	171M	220M	276M	334E	382E	432M	508C	623M	
56M	114M	172M	221M	277M	335E	383M	433M	510C	700E	
57M	116M	173M	222M	278M	336E	384M	434M*	512C	701E	
59M	117C	174E	223M	279M	337E	385E*	435C	514C	702E	
60M	118M*	175M	224M	280M	338E	386E	436C	516C	703E	
62M	119M	177E	225M	281M	340E	388E	438C	518C	704E	
63M	122M	178E	226M	283M	341E	392E	439M	520C	705E	
65C	123M	180M	227M	285M	342E	396E*	440M	521C	706E	

*8/147-159 are mechanical

*29/2, 25.01-25.03, 623.1-623.5 are chemical

*84/600-746 are electrical

*118/47, 715-733 are chemical

*131/274-279 are chemical

*134/1-42 are chemical

*156/349-584 are mechanical

*204/157.2-157.22 are electrical

*209/127.1-131, 511, 524-528, 536, 563-590 are electrical

*210/348-540 are mechanical

*244/3.1-3.14 are electrical

*346/139R-145 are mechanical

*347/1-109 are mechanical

*352/143-197, 204-243 are mechanical

*359/503-553, 600-617, 838-883 are mechanical

*368/89-106, 124-154, 168-202, 206-216, 276-326 are mechanical

*378/167-209 are mechanical

*385/53-99 are mechanical

*396/341-372, 411-428, 439-543, 564-660 are mechanical

*434/1-10, 307R-321, 350-362 are electrical

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

*588/249-250, 252-260 are mechanical

*600/310-361, 372-397, 407-436, 473-480, 509-525, 544-548 are electrical

*604/20-21 are electrical

*607/2-76, 98-103, 115-156 are electrical

*726/35 is mechanical

*968/446-604, 783, 802, 820-830, 837-856, 876-977 are electrical

*977/720-723, 839, 849-881, 901, 932-960 are electrical

*977/724-733, 904-913, 919, 962 are mechanical

*984/300-398 are electrical

Part A1

Patent Grants as Distributed By Year of Patent Grant

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1994 - Dec 31, 2013) ----																
----- NUMBER OF PATENTS -----																
	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Total	277989	58886	60102	58339	58654	53054	46521	51520	44548	42603	42569	57146	58054	64757	70842	1045584
U.S. Origin	166682	33430	32833	31653	31977	28463	25261	27776	23645	21895	22268	30363	30863	34092	37661	578862
Foreign Origin	111307	25456	27269	26686	26677	24591	21260	23744	20903	20708	20301	26783	27191	30665	33181	466722
JAPAN	37809	8398	8983	9114	9136	8393	7411	8316	7559	7465	7207	9189	9119	10002	10347	158448
GERMANY	20883	4858	5169	4997	4946	4461	3720	3889	3375	3296	3205	4289	4266	5052	5573	81979
TAIWAN	7586	2212	2460	2469	2367	2540	2069	2340	1987	1894	1826	2149	2170	2362	2359	38790
CANADA	7480	1594	1663	1474	1521	1340	1199	1325	1153	1065	1086	1412	1425	1530	1668	26935
FRANCE	6828	1404	1485	1413	1364	1197	921	1096	932	924	922	1274	1317	1638	1684	24399
UNITED KINGDOM	5857	1312	1384	1292	1185	1055	985	1050	892	804	787	1162	1187	1500	1690	22142
KOREA, SOUTH	2649	592	611	731	747	772	801	928	927	945	1007	1239	1290	1462	1592	16293
ITALY	3712	860	757	794	835	789	624	670	591	588	555	753	783	869	1004	14184
SWITZERLAND	3080	638	667	609	599	529	395	497	401	443	444	572	590	697	827	10988
AUSTRALIA	1856	391	468	456	495	460	474	648	620	674	593	892	904	669	681	10281
SWEDEN	2703	706	741	646	625	520	443	450	405	377	332	450	516	555	642	10111
NETHERLANDS	1625	365	408	386	318	304	254	293	238	258	243	349	346	427	500	6314
CHINA, PEOPLE'S REPUB	118	56	102	137	138	148	174	249	215	343	442	643	770	929	1055	5519
ISRAEL	1079	223	313	292	311	240	201	239	201	191	226	337	360	426	522	5161
AUSTRIA	1234	287	316	260	309	257	221	250	198	183	192	266	267	298	384	4922
FINLAND	1029	204	213	196	206	195	151	177	110	122	126	171	131	171	174	3376
DENMARK	735	145	180	149	198	155	118	141	115	123	103	165	238	285	288	3138
BELGIUM	769	173	187	169	146	145	144	165	101	124	141	190	174	175	231	3034
SPAIN	597	162	157	164	179	136	137	130	106	99	98	160	167	213	234	2739
NORWAY	547	143	164	132	141	104	96	111	88	85	104	160	131	164	171	2341
CHINA, HONG KONG S.A.	348	85	127	131	149	145	114	110	135	116	99	163	135	180	191	2228
NEW ZEALAND	249	47	70	74	70	80	75	65	49	43	40	70	63	83	95	1173
BRAZIL	273	62	76	53	78	55	40	65	42	51	29	58	93	83	105	1163
SOUTH AFRICA	398	60	55	48	64	54	45	59	40	47	47	56	56	61	61	1151
SINGAPORE	140	40	60	67	72	80	66	74	66	56	71	95	78	81	92	1138
IRELAND	170	54	49	38	50	48	54	55	33	26	42	66	86	84	124	979
RUSSIAN FEDERATION	198	52	70	50	53	47	30	45	45	34	36	47	57	60	74	898
MEXICO	157	39	49	59	41	43	39	31	22	27	22	35	33	41	69	707
INDIA	35	13	11	15	21	38	23	29	43	30	36	47	74	122	165	702
ARGENTINA	144	35	38	38	44	27	20	14	18	21	18	22	17	26	23	505
LUXEMBOURG	92	25	27	19	22	26	23	15	14	17	18	19	19	22	26	384
MALAYSIA	52	18	8	23	15	27	21	18	23	22	15	29	21	30	34	356
SAUDI ARABIA	49	12	3	5	5	7	7	4	9	13	5	9	16	43	63	250
HUNGARY	62	11	14	9	12	13	9	12	7	7	6	17	16	14	22	231
CZECH REPUBLIC	29	14	8	8	14	8	10	12	8	12	8	18	18	21	32	220
THAILAND	42	7	17	17	12	8	9	14	2	6	10	21	21	15	18	219
Others (117)	693	159	159	152	189	145	137	158	133	177	160	189	237	275	361	3324
Ownership:																
U.S. Corporations	106101	22426	22857	22055	22873	20429	18458	20354	17637	16400	16960	23605	24346	27113	30264	411878
U.S. Government	1531	239	253	287	263	219	175	183	159	174	153	172	200	236	228	4472
U.S. Individuals	62944	11660	10678	10035	9499	8442	7233	7941	6490	5849	5607	7322	7016	7516	8246	176478
Foreign Corporations	85872	20166	21885	21717	21971	20375	17773	20092	17736	17984	17885	23551	24068	27059	29119	387253
Foreign Government	400	14	17	16	14	18	8	10	2	7	11	16	16	23	14	586
Foreign Individuals	21141	4381	4412	4229	4034	3571	2874	2940	2524	2189	1953	2480	2408	2810	2971	64917

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1994 - Dec 31, 2013) ----

	PERCENT OF PATENTS															
	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	60	57	55	54	55	54	54	54	53	51	52	53	53	53	53	55
Foreign Origin	40	43	45	46	45	46	46	46	47	49	48	47	47	47	47	45
JAPAN	14	14	15	16	16	16	16	16	17	18	17	16	16	15	15	15
GERMANY	8	8	9	9	8	8	8	8	8	8	8	8	7	8	8	8
TAIWAN	3	4	4	4	4	5	4	5	4	4	4	4	4	4	3	4
CANADA	3	3	3	3	3	3	3	3	3	2	3	2	2	2	2	3
FRANCE	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
UNITED KINGDOM	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KOREA, SOUTH	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
ITALY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SWITZERLAND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AUSTRALIA	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	1
SWEDEN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NETHERLANDS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CHINA, PEOPLE'S REPUB										1	1	1	1	1	1	1
ISRAEL			1	1	1						1	1	1	1	1	0
AUSTRIA			1		1										1	0
FINLAND																0
DENMARK																0
BELGIUM																0
SPAIN																0
NORWAY																0
CHINA, HONG KONG S.A.																0
NEW ZEALAND																0
BRAZIL																0
SOUTH AFRICA																0
SINGAPORE																0
IRELAND																0
RUSSIAN FEDERATION																0
MEXICO																0
INDIA																0
ARGENTINA																0
LUXEMBOURG																0
MALAYSIA																0
SAUDI ARABIA																0
HUNGARY																0
CZECH REPUBLIC																0
THAILAND																0
Others (117)															1	0
Ownership:																
U.S. Corporations	38	38	38	38	39	39	40	40	40	38	40	41	42	42	43	39
U.S. Government	1															0
U.S. Individuals	23	20	18	17	16	16	16	15	15	14	13	13	12	12	12	17
Foreign Corporations	31	34	36	37	37	38	38	39	40	42	42	41	41	42	41	37
Foreign Government																0
Foreign Individuals	8	7	7	7	7	7	6	6	6	5	5	4	4	4	4	6

Part A2

Patent Grants as Distributed By Year of Patent Application

	Patents Granted By Date Of Patent Application (Granted: Jan 01, 1994 - Dec 31, 2013)															
	NUMBER OF PATENTED APPLICATIONS															
	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Total	397418	62789	64764	67571	65558	60487	57013	54711	53681	49918	43489	35888	22404	9184	709	1045584
U.S. Origin	233564	34562	34196	35285	34869	31799	29736	27831	27758	25353	23303	20701	13382	6007	516	578862
Foreign Origin	163854	28227	30568	32286	30689	28688	27277	26880	25923	24565	20186	15187	9022	3177	193	466722
JAPAN	55639	9263	10212	10147	10072	10030	9793	9618	9059	8587	6824	4885	3161	1100	58	158448
GERMANY	31035	5413	5767	6033	5452	4801	4663	4259	4242	3889	2941	1954	1123	388	19	81979
TAIWAN	11146	2425	2593	2678	2797	2474	2155	2308	2099	2129	2163	2061	1339	399	24	38790
CANADA	10653	1620	1641	1694	1628	1567	1401	1352	1341	1223	1092	943	518	250	12	26935
FRANCE	9780	1484	1610	1752	1536	1402	1342	1384	1212	1202	870	515	223	80	7	24399
UNITED KINGDOM	8783	1421	1531	1596	1533	1210	1069	1012	1096	1021	794	616	328	122	10	22142
KOREA, SOUTH	3816	688	800	1163	1291	1283	1284	1227	1183	1222	1050	720	430	130	6	16293
ITALY	5322	893	986	1068	995	820	813	758	826	591	501	362	185	60	4	14184
SWITZERLAND	4397	703	703	726	666	616	570	615	607	473	389	289	176	55	3	10988
AUSTRALIA	2801	516	573	751	690	898	780	655	697	825	498	371	153	68	5	10281
SWEDEN	4207	707	761	851	657	500	524	515	497	365	261	151	80	34	1	10111
NETHERLANDS	2406	453	425	461	409	388	336	345	327	266	221	128	94	55		6314
CHINA, PEOPLE'S REPUB	250	111	166	216	214	314	327	466	547	691	839	775	459	137	7	5519
ISRAEL	1661	367	371	351	297	298	322	311	308	279	240	178	126	46	6	5161
AUSTRIA	1798	303	327	428	336	295	233	270	269	221	187	146	76	29	4	4922
FINLAND	1474	230	236	269	214	173	154	192	118	121	85	56	38	14	2	3376
DENMARK	1077	201	215	244	230	184	189	160	161	167	166	87	36	21		3138
BELGIUM	1140	178	189	226	234	148	186	216	163	125	118	65	28	16	2	3034
SPAIN	907	176	222	187	189	157	166	169	141	147	108	105	45	18	2	2739
NORWAY	851	156	173	210	159	154	115	145	112	129	64	48	16	9		2341
CHINA, HONG KONG S.A.	536	133	157	179	172	158	154	115	159	132	120	130	57	24	2	2228
NEW ZEALAND	378	88	105	103	112	72	69	60	59	45	34	28	17	2	1	1173
BRAZIL	410	60	85	96	69	80	44	57	61	76	55	43	22	4	1	1163
SOUTH AFRICA	519	61	85	85	69	83	41	48	46	36	34	26	14	3	1	1151
SINGAPORE	245	77	83	114	85	91	88	79	71	70	59	38	25	12	1	1138
IRELAND	282	40	71	92	71	51	65	61	59	54	50	51	25	6	1	979
RUSSIAN FEDERATION	326	54	62	78	70	38	30	48	53	46	34	37	14	8		898
MEXICO	246	54	57	46	49	31	34	39	25	48	19	24	25	9	1	707
INDIA	61	10	24	50	46	47	48	44	66	79	77	94	39	17		702
ARGENTINA	217	46	46	29	23	27	16	26	21	21	14	10	9			505
LUXEMBOURG	143	25	26	33	29	19	21	21	23	17	8	11	6	2		384
MALAYSIA	84	21	27	25	29	25	21	23	26	18	21	26	9	1		356
SAUDI ARABIA	63	3	8	11	8	11	4	11	14	19	20	38	34	5	1	250
HUNGARY	84	18	17	19	14	12	18	9	11	7	18	3		1		231
CZECH REPUBLIC	52	9	18	9	19	17	12	13	18	17	14	16	4	2		220
THAILAND	61	25	14	8	10	6	14	11	18	17	14	8	12	1		219
Others (117)	1004	195	182	258	215	208	176	238	188	190	184	149	76	49	12	3324
Ownership:																
U.S. Corporations	153238	24443	24845	25666	25980	23720	22603	21582	21384	19778	17898	15649	10056	4661	375	411878
U.S. Government	1995	268	277	264	245	232	219	175	168	154	174	167	97	35	2	4472
U.S. Individuals	84014	10811	9965	10264	9573	8579	7681	6765	6672	6044	5759	5295	3479	1435	142	176478
Foreign Corporations	128638	22640	25142	26666	25689	24691	23739	23560	23086	21876	17685	13171	7802	2708	160	387253
Foreign Government	434	23	4	20	23	10	11	18	9	13	15	4	2			586
Foreign Individuals	29099	4604	4531	4691	4048	3255	2760	2611	2362	2053	1958	1602	968	345	30	64917

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---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1994 - Dec 31, 2013) ----

	PERCENT OF PATENTED APPLICATIONS															
	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	59	55	53	52	53	53	52	51	52	51	54	58	60	65	73	55
Foreign Origin	41	45	47	48	47	47	48	49	48	49	46	42	40	35	27	45
JAPAN	14	15	16	15	15	17	17	18	17	17	16	14	14	12	8	15
GERMANY	8	9	9	9	8	8	8	8	8	8	7	5	5	4	3	8
TAIWAN	3	4	4	4	4	4	4	4	4	4	5	6	6	4	3	4
CANADA	3	3	3	3	2	3	2	2	2	2	3	3	2	3	2	3
FRANCE	2	2	2	3	2	2	2	3	2	2	2	1	1	1	1	2
UNITED KINGDOM	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
KOREA, SOUTH	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	2
ITALY	1	1	2	2	2	1	1	1	2	1	1	1	1	1	1	1
SWITZERLAND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AUSTRALIA	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
SWEDEN	1	1	1	1	1	1	1	1	1	1	1					1
NETHERLANDS	1	1	1	1	1	1	1	1	1	1	1			1		1
CHINA, PEOPLE'S REPUB						1	1	1	1	1	2	2	2	1	1	1
ISRAEL		1	1	1			1	1	1	1	1		1	1	1	0
AUSTRIA			1	1	1				1						1	0
FINLAND																0
DENMARK																0
BELGIUM																0
SPAIN																0
NORWAY																0
CHINA, HONG KONG S.A.																0
NEW ZEALAND																0
BRAZIL																0
SOUTH AFRICA																0
SINGAPORE																0
IRELAND																0
RUSSIAN FEDERATION																0
MEXICO																0
INDIA																0
ARGENTINA																0
LUXEMBOURG																0
MALAYSIA																0
SAUDI ARABIA																0
HUNGARY																0
CZECH REPUBLIC																0
THAILAND																0
Others (117)														1	4	0
Ownership:																
U.S. Corporations	39	39	38	38	40	39	40	39	40	40	41	44	45	51	53	39
U.S. Government	1															0
U.S. Individuals	21	17	15	15	15	14	13	12	12	12	13	15	16	16	20	17
Foreign Corporations	32	36	39	39	39	41	42	43	43	44	41	37	35	29	23	37
Foreign Government																0
Foreign Individuals	7	7	7	7	6	5	5	5	4	4	5	4	4	4	4	6

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Ranked Listing of Organizations with PATENT GRANTS

As Distributed By Year of Patent Grant

and As Distributed By Year of Patent Application

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---- Organizational Patenting (Granted: Jan 01, 1994 - Dec 31, 2013) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)																
Patents By Year of Grant:	1270	295	368	465	468	493	458	500	412	444	455	599	562	607	612	8008
Patents By Year of Application:	1872	474	508	630	542	593	557	529	585	604	500	391	159	63	1	8008
GENERAL ELECTRIC COMPANY																
Patents By Year of Grant:	1323	264	342	503	403	317	307	338	294	320	359	465	541	721	702	7199
Patents By Year of Application:	1997	444	441	394	409	446	513	548	394	507	497	348	223	37	1	7199
CANON KABUSHIKI KAISHA																
Patents By Year of Grant:	1285	423	427	456	445	356	331	340	257	310	336	388	433	483	594	6864
Patents By Year of Application:	2480	348	353	379	395	341	386	366	400	360	373	341	254	83	5	6864
ROBERT BOSCH GMBH																
Patents By Year of Grant:	1186	311	380	371	425	513	445	356	262	199	222	246	304	418	402	6040
Patents By Year of Application:	1894	382	557	662	566	348	321	268	330	308	218	129	37	20	0	6040
SEIKO EPSON CORPORATION																
Patents By Year of Grant:	398	161	204	227	215	229	235	298	326	299	332	412	498	534	662	5030
Patents By Year of Application:	845	217	225	283	351	388	332	406	393	358	434	371	315	103	9	5030
HON HAI PRECISION IND. CO., LTD.																
Patents By Year of Grant:	163	366	394	315	294	326	208	274	194	285	354	485	464	418	362	4902
Patents By Year of Application:	788	220	346	366	236	318	190	275	329	475	481	532	292	54	0	4902
TOYOTA JIDOSHA K.K.																
Patents By Year of Grant:	969	210	220	191	180	174	180	265	242	248	267	380	428	497	448	4899
Patents By Year of Application:	1393	192	215	187	220	319	415	496	495	479	309	121	40	17	1	4899
DENSO CORPORATION																
Patents By Year of Grant:	225	177	197	215	263	298	303	319	344	267	253	259	216	181	150	3667
Patents By Year of Application:	589	191	281	298	360	374	367	320	311	250	150	106	54	15	1	3667
GM Global Technology Operations LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	25	143	205	319	541	603	712	809	3357
Patents By Year of Application:	0	0	0	2	3	17	279	392	573	688	568	466	285	76	8	3357
SAMSUNG ELECTRONICS CO., LTD.																
Patents By Year of Grant:	670	187	125	137	115	133	157	237	218	214	170	202	199	197	204	3165
Patents By Year of Application:	996	109	125	193	291	291	258	223	189	168	150	100	60	12	0	3165
BROTHER KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	522	131	99	58	50	88	83	132	182	221	253	344	355	340	304	3162
Patents By Year of Application:	771	45	56	94	156	217	278	361	324	293	222	166	120	55	4	3162

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---- Organizational Patenting (Granted: Jan 01, 1994 - Dec 31, 2013) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
HITACHI, LTD																
Patents By Year of Grant:	721	118	217	230	268	183	202	241	181	149	125	155	140	100	92	3122
Patents By Year of Application:	1030	217	341	236	224	247	177	169	171	154	81	41	23	10	1	3122
SIEMENS AKTIENGESELLSCHAFT																
Patents By Year of Grant:	625	197	180	137	161	164	156	207	150	156	160	158	147	199	197	2994
Patents By Year of Application:	979	164	181	229	238	301	240	171	144	146	103	54	34	10	0	2994
GENERAL MOTORS CORPORATION																
Patents By Year of Grant:	1310	191	110	112	200	255	240	291	176	66	21	2	0	0	0	2974
Patents By Year of Application:	1573	120	158	330	311	346	116	17	2	1	0	0	0	0	0	2974
SILVERBROOK RESEARCH PTY. LTD																
Patents By Year of Grant:	0	5	72	98	93	93	167	317	331	422	314	498	480	76	6	2972
Patents By Year of Application:	95	96	68	145	207	490	407	268	327	480	234	131	24	0	0	2972
CATERPILLAR INC.																
Patents By Year of Grant:	822	274	200	201	188	131	108	91	122	119	100	146	172	140	146	2960
Patents By Year of Application:	1308	212	198	179	113	91	149	157	172	212	57	70	27	15	0	2960
BOEING COMPANY																
Patents By Year of Grant:	332	77	83	109	134	212	202	206	192	171	205	255	263	243	275	2959
Patents By Year of Application:	497	92	163	241	265	292	271	269	237	227	180	126	61	36	2	2959
INTERNATIONAL BUSINESS MACHINES CORPORATION																
Patents By Year of Grant:	747	221	222	200	209	157	123	104	97	144	117	154	127	135	127	2884
Patents By Year of Application:	1219	225	202	150	155	107	121	114	157	224	69	61	42	37	1	2884
FORD GLOBAL TECHNOLOGIES, L.L.C.																
Patents By Year of Grant:	0	0	0	0	148	204	164	229	234	238	212	279	265	354	427	2754
Patents By Year of Application:	5	40	100	229	212	248	271	319	295	256	224	270	178	103	4	2754
EASTMAN KODAK COMPANY																
Patents By Year of Grant:	996	189	162	207	199	148	127	86	65	48	36	71	73	135	142	2684
Patents By Year of Application:	1371	212	182	196	105	121	53	54	55	72	90	93	63	15	2	2684
LG ELECTRONICS INC.																
Patents By Year of Grant:	146	30	41	81	96	145	139	152	222	223	245	299	248	296	292	2655
Patents By Year of Application:	216	63	130	205	303	319	357	270	254	247	178	73	36	4	0	2655
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.																
Patents By Year of Grant:	0	0	0	0	352	428	368	289	191	162	172	190	159	144	177	2632
Patents By Year of Application:	22	60	355	462	545	299	258	116	189	112	82	71	46	13	2	2632

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---- Organizational Patenting (Granted: Jan 01, 1994 - Dec 31, 2013) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
DELPHI TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	62	222	407	390	298	234	199	187	174	150	98	64	50	57	2592
Patents By Year of Application:	256	346	456	350	299	202	204	159	125	85	44	37	21	6	2	2592
YAZAKI CORP.																
Patents By Year of Grant:	894	221	222	194	169	104	85	86	79	100	79	94	57	44	72	2500
Patents By Year of Application:	1284	214	191	135	77	87	75	95	85	100	77	52	22	5	1	2500
XEROX CORPORATION																
Patents By Year of Grant:	574	95	144	170	137	90	80	75	59	75	106	161	179	218	235	2398
Patents By Year of Application:	851	145	105	126	103	92	137	117	105	135	190	149	93	50	0	2398
MITSUBISHI DENKI KABUSHIKI KAISHA																
Patents By Year of Grant:	770	130	174	171	145	133	106	106	84	70	89	106	94	96	97	2371
Patents By Year of Application:	1038	159	194	171	111	161	93	134	97	80	70	31	27	5	0	2371
HALLIBURTON ENERGY SERVICES, INC.																
Patents By Year of Grant:	175	114	131	129	122	144	133	205	214	154	119	156	138	192	235	2361
Patents By Year of Application:	410	126	141	197	202	259	183	136	144	116	139	158	81	62	7	2361
SCHLUMBERGER TECHNOLOGY CORPORATION																
Patents By Year of Grant:	135	51	93	112	96	113	91	119	129	154	144	277	276	278	287	2355
Patents By Year of Application:	276	129	119	153	141	166	159	224	255	261	242	166	44	20	0	2355
BAKER HUGHES INCORPORATED																
Patents By Year of Grant:	376	88	119	84	99	81	77	92	94	114	173	243	220	251	242	2353
Patents By Year of Application:	580	101	99	121	104	97	132	164	202	258	253	158	71	13	0	2353
NISSAN MOTOR COMPANY, LIMITED																
Patents By Year of Grant:	554	160	168	141	156	149	156	176	155	112	125	110	75	55	57	2349
Patents By Year of Application:	861	147	156	181	164	228	209	125	113	96	26	25	13	5	0	2349
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.																
Patents By Year of Grant:	583	164	194	165	183	218	168	178	159	120	10	5	1	0	0	2148
Patents By Year of Application:	979	172	235	228	226	169	103	30	4	2	0	0	0	0	0	2148
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	555	113	102	128	127	100	84	89	63	62	64	129	146	173	184	2119
Patents By Year of Application:	844	150	120	110	129	110	124	122	103	77	80	65	61	22	2	2119
UNITED TECHNOLOGIES CORPORATION																
Patents By Year of Grant:	561	84	70	51	34	31	55	110	92	94	105	155	178	254	239	2113
Patents By Year of Application:	736	30	46	58	96	177	145	211	205	130	91	70	62	54	2	2113

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---- Organizational Patenting (Granted: Jan 01, 1994 - Dec 31, 2013) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
HEWLETT-PACKARD COMPANY																
Patents By Year of Grant:	909	268	361	381	165	0	1	1	0	0	0	0	0	0	0	2086
Patents By Year of Application:	1545	291	234	15	0	1	0	0	0	0	0	0	0	0	0	2086
DEERE + COMPANY																
Patents By Year of Grant:	367	65	108	106	141	139	119	110	112	112	122	153	145	141	145	2085
Patents By Year of Application:	517	125	156	151	137	121	159	150	124	154	113	101	59	18	0	2085
ILLINOIS TOOL WORKS INC.																
Patents By Year of Grant:	365	88	120	92	137	139	194	111	135	124	111	117	125	93	124	2075
Patents By Year of Application:	548	138	152	197	183	142	157	134	141	104	94	61	20	4	0	2075
HONEYWELL INTERNATIONAL INC.																
Patents By Year of Grant:	0	12	48	94	117	134	159	197	162	191	174	192	187	235	168	2070
Patents By Year of Application:	70	107	119	157	220	269	249	194	203	223	126	75	45	12	1	2070
BOSTON SCIENTIFIC SCIMED, INC.																
Patents By Year of Grant:	0	0	0	3	7	5	66	109	120	134	198	333	367	311	325	1978
Patents By Year of Application:	13	24	53	157	294	284	275	204	147	153	126	130	83	31	4	1978
HYUNDAI MOTOR COMPANY																
Patents By Year of Grant:	287	42	76	113	85	78	82	91	81	80	104	133	189	195	253	1889
Patents By Year of Application:	405	113	68	121	107	88	108	110	100	197	189	142	94	46	1	1889
UNITED STATES OF AMERICA, NAVY																
Patents By Year of Grant:	583	118	107	141	137	86	75	72	69	56	61	74	95	95	90	1859
Patents By Year of Application:	807	121	123	109	100	101	74	64	81	62	94	62	46	14	1	1859
SUMITOMO WIRING SYSTEMS, LTD.																
Patents By Year of Grant:	539	114	122	144	131	127	90	114	88	55	61	60	40	70	70	1825
Patents By Year of Application:	736	124	141	123	127	92	80	77	62	72	56	50	65	20	0	1825
INTERNATIONAL GAME TECHNOLOGY (IGT)																
Patents By Year of Grant:	21	6	16	35	68	101	98	71	90	118	119	244	255	255	319	1816
Patents By Year of Application:	52	99	136	170	178	188	154	217	183	121	59	46	134	73	6	1816
TOSHIBA CORPORATION																
Patents By Year of Grant:	498	72	91	84	62	59	53	64	83	72	66	133	153	165	114	1769
Patents By Year of Application:	681	66	78	65	78	87	100	100	88	162	104	95	53	12	0	1769
KIMBERLY-CLARK WORLDWIDE, INC.																
Patents By Year of Grant:	175	96	100	107	171	144	115	101	62	61	89	126	96	128	97	1668
Patents By Year of Application:	465	155	203	181	126	113	115	85	65	63	33	35	12	17	0	1668

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---- Organizational Patenting (Granted: Jan 01, 1994 - Dec 31, 2013) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD.																
Patents By Year of Grant:	448	95	77	58	44	34	36	55	73	86	127	146	150	143	65	1637
Patents By Year of Application:	639	52	36	57	50	65	123	132	160	134	133	36	13	7	0	1637
3M INNOVATIVE PROPERTIES COMPANY																
Patents By Year of Grant:	52	102	95	102	106	105	100	130	130	95	82	133	98	81	137	1548
Patents By Year of Application:	285	111	137	138	143	130	149	101	105	90	79	50	17	13	0	1548
SONY CORPORATION																
Patents By Year of Grant:	437	104	70	81	90	67	70	80	77	67	65	97	88	87	67	1547
Patents By Year of Application:	633	83	101	71	90	91	97	81	86	81	64	34	28	7	0	1547
SCI-MED LIFE SYSTEMS, INC.																
Patents By Year of Grant:	261	131	158	191	273	207	108	95	49	21	14	7	13	5	3	1536
Patents By Year of Application:	659	247	289	176	101	39	12	4	4	2	0	2	1	0	0	1536
HEIDELBERGER DRUCKMASCHINEN AG																
Patents By Year of Grant:	514	111	87	122	186	160	63	31	37	39	33	28	35	32	30	1508
Patents By Year of Application:	774	155	168	114	61	39	49	32	39	29	37	8	3	0	0	1508
AISIN SEIKI KABUSHIKI KAISHA																
Patents By Year of Grant:	440	84	78	91	70	73	59	56	58	64	72	76	60	79	106	1466
Patents By Year of Application:	616	57	100	76	65	72	74	91	67	61	71	63	43	10	0	1466
MEDTRONIC INC.																
Patents By Year of Grant:	322	86	70	62	89	62	69	58	70	50	61	98	121	119	119	1456
Patents By Year of Application:	527	82	90	94	124	96	77	79	76	52	63	53	32	11	0	1456
DAIMLER-CHRYSLER AKTIENGESELLSCHAFT																
Patents By Year of Grant:	62	240	293	197	169	153	96	119	82	31	1	0	0	0	0	1443
Patents By Year of Application:	583	211	194	187	103	75	65	24	1	0	0	0	0	0	0	1443
FUJI PHOTO FILM CO., LTD																
Patents By Year of Grant:	416	78	86	126	138	176	139	147	64	6	6	2	1	0	0	1385
Patents By Year of Application:	593	108	159	200	188	90	34	10	1	2	0	0	0	0	0	1385
RICOH COMPANY, LTD.																
Patents By Year of Grant:	152	33	46	44	43	41	40	66	41	82	86	122	156	185	226	1363
Patents By Year of Application:	237	46	48	60	75	61	90	120	112	130	108	123	110	42	1	1363
MICRON TECHNOLOGY, INC.																
Patents By Year of Grant:	158	101	168	190	164	121	115	131	74	42	27	21	19	14	13	1358
Patents By Year of Application:	443	180	226	165	107	69	60	50	17	17	3	11	8	2	0	1358

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
EATON CORPORATION																
Patents By Year of Grant:	489	91	60	65	66	52	61	59	55	43	52	62	59	59	76	1349
Patents By Year of Application:	619	78	62	77	63	68	86	63	58	45	73	32	22	3	0	1349
FORD GLOBAL TECHNOLOGIES, INC.																
Patents By Year of Grant:	443	175	245	257	101	5	4	1	3	2	3	26	26	38	18	1347
Patents By Year of Application:	786	287	129	26	4	6	10	12	16	19	32	16	4	0	0	1347
BLACK & DECKER INC.																
Patents By Year of Grant:	232	53	64	52	60	57	53	104	106	98	85	103	95	73	94	1329
Patents By Year of Application:	359	49	71	87	96	124	112	91	113	76	51	49	32	15	4	1329
WHITAKER CORPORATION																
Patents By Year of Grant:	994	212	49	25	4	1	0	1	0	0	0	0	0	0	0	1286
Patents By Year of Application:	1267	15	3	0	1	0	0	0	0	0	0	0	0	0	0	1286
ZF FRIEDRICHSHAFEN, AG																
Patents By Year of Grant:	120	33	37	30	38	51	50	72	87	89	85	123	118	151	187	1271
Patents By Year of Application:	185	29	47	83	95	115	109	122	156	137	78	82	25	6	2	1271
ETHICON ENDO-SURGERY, INC.																
Patents By Year of Grant:	206	32	29	29	30	12	15	45	38	63	79	180	137	156	205	1256
Patents By Year of Application:	271	31	49	22	69	67	151	153	163	99	64	64	41	12	0	1256
SHIMANO INC.																
Patents By Year of Grant:	287	74	76	82	77	47	78	89	61	62	60	83	58	45	66	1245
Patents By Year of Application:	433	76	85	75	95	91	94	83	63	56	45	24	22	3	0	1245
MOLEX INCORPORATED																
Patents By Year of Grant:	401	101	100	60	32	79	63	77	42	50	25	43	58	32	68	1231
Patents By Year of Application:	589	73	44	58	84	76	69	50	44	39	51	21	19	14	0	1231
FORD MOTOR COMPANY																
Patents By Year of Grant:	997	59	10	10	16	17	17	19	15	16	14	15	9	7	2	1223
Patents By Year of Application:	1067	12	9	27	19	24	15	18	25	5	0	1	1	0	0	1223
APPLIED MATERIALS, INC.																
Patents By Year of Grant:	150	82	113	104	112	75	64	98	68	52	50	67	63	53	59	1210
Patents By Year of Application:	371	152	89	83	81	55	76	73	75	60	50	26	15	3	1	1210
MITSUBISHI HEAVY INDUSTRIES, LTD.																
Patents By Year of Grant:	64	118	109	90	92	82	69	37	39	38	43	55	63	135	174	1208
Patents By Year of Application:	291	82	101	133	58	47	38	72	83	133	81	45	39	5	0	1208

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	Pre																
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL	
NSK LIMITED																	
Patents By Year of Grant:	298	57	96	99	85	94	79	75	73	73	34	26	24	27	33	1173	
Patents By Year of Application:	467	85	120	118	125	87	58	42	39	14	2	3	10	3	0	1173	
Fujifilm Corporation																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	109	166	176	173	135	199	211	1169	
Patents By Year of Application:	0	0	3	6	26	99	198	195	130	104	198	131	71	7	1	1169	
TYCO ELECTRONICS CORPORATION																	
Patents By Year of Grant:	0	0	25	35	63	82	60	86	66	73	100	135	153	110	124	1112	
Patents By Year of Application:	15	41	53	101	72	62	67	65	115	138	137	132	89	23	2	1112	
ROLLS-ROYCE PLC																	
Patents By Year of Grant:	170	35	34	33	50	37	40	74	60	62	48	93	97	121	135	1089	
Patents By Year of Application:	249	35	44	51	63	88	107	75	99	76	103	79	16	4	0	1089	
UNITED STATES OF AMERICA, ARMY																	
Patents By Year of Grant:	329	44	52	53	44	54	47	64	46	61	42	41	43	72	69	1061	
Patents By Year of Application:	406	55	58	53	68	79	73	62	32	40	32	54	35	13	1	1061	
CARRIER CORPORATION																	
Patents By Year of Grant:	287	91	86	73	76	70	63	54	48	24	14	32	38	57	34	1047	
Patents By Year of Application:	435	81	81	81	89	102	71	66	24	6	4	4	3	0	0	1047	
LOCKHEED MARTIN CORPORATION																	
Patents By Year of Grant:	83	59	51	79	93	63	52	56	61	50	54	75	77	98	93	1044	
Patents By Year of Application:	195	90	85	91	78	61	78	76	49	85	87	40	24	5	0	1044	
FUJITSU LIMITED																	
Patents By Year of Grant:	297	80	66	71	63	45	33	53	48	55	45	39	46	42	47	1030	
Patents By Year of Application:	476	66	48	59	40	62	47	58	42	38	34	35	19	6	0	1030	
TOKYO ELECTRON LIMITED																	
Patents By Year of Grant:	185	69	63	81	63	62	37	42	31	42	54	68	78	68	85	1028	
Patents By Year of Application:	317	101	85	52	58	55	48	63	75	59	32	41	31	11	0	1028	
NIKE, INC.																	
Patents By Year of Grant:	45	13	5	16	15	16	35	53	34	39	62	109	156	192	234	1024	
Patents By Year of Application:	66	13	20	32	52	73	63	74	104	102	137	152	95	41	0	1024	
TYCO HEALTHCARE GROUP LP																	
Patents By Year of Grant:	0	2	1	7	7	9	9	18	37	45	66	130	255	410	5	1001	
Patents By Year of Application:	7	14	15	27	59	35	72	81	126	152	195	132	80	6	0	1001	

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
NTN CORPORATION																
Patents By Year of Grant:	140	39	35	41	49	47	39	60	38	36	58	78	84	126	114	984
Patents By Year of Application:	213	52	57	61	59	89	72	99	73	91	57	26	27	8	0	984
WEATHERFORD/LAMB, INC.																
Patents By Year of Grant:	47	29	27	53	68	93	82	141	87	66	48	69	64	49	45	968
Patents By Year of Application:	126	62	89	116	143	99	70	61	53	43	49	25	20	12	0	968
Warsaw Orthopedic, Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	6	48	51	102	175	219	180	176	957
Patents By Year of Application:	6	5	7	27	88	106	127	214	77	49	68	114	59	10	0	957
ADVANCED CARDIOVASCULAR SYSTEMS, INC.																
Patents By Year of Grant:	152	51	72	86	154	85	57	47	38	33	32	43	33	37	31	951
Patents By Year of Application:	363	133	134	85	71	34	24	34	13	20	9	18	9	4	0	951
ACUSHNET COMPANY																
Patents By Year of Grant:	57	9	22	27	57	56	52	65	57	52	62	89	113	135	97	950
Patents By Year of Application:	94	31	53	69	66	73	69	42	57	94	117	77	84	24	0	950
SUMITOMO RUBBER INDUSTRIES, LTD.																
Patents By Year of Grant:	269	50	58	60	85	89	54	46	44	30	34	33	31	26	33	942
Patents By Year of Application:	412	75	81	80	59	45	54	49	25	26	18	15	3	0	0	942
GOODYEAR TIRE + RUBBER COMPANY																
Patents By Year of Grant:	182	39	53	111	91	70	66	62	30	33	46	32	41	37	45	938
Patents By Year of Application:	289	114	100	87	77	48	52	22	42	42	26	25	11	3	0	938
SHELL OIL COMPANY																
Patents By Year of Grant:	183	30	30	32	42	87	66	114	58	58	57	43	34	48	49	931
Patents By Year of Application:	249	48	126	140	50	73	44	50	55	56	16	16	3	5	0	931
PORSCHE AG																
Patents By Year of Grant:	202	35	42	51	46	54	51	42	33	46	49	56	66	81	67	921
Patents By Year of Application:	277	44	51	69	58	46	44	34	68	60	87	40	34	9	0	921
LEAR CORPORATION																
Patents By Year of Grant:	134	42	35	36	61	86	72	124	76	37	36	46	48	41	42	916
Patents By Year of Application:	199	50	48	95	102	139	68	31	39	57	23	34	22	8	1	916
Hong Fu Jin Precision Industry (Shenzhen) Co., Ltd.																
Patents By Year of Grant:	0	0	0	0	0	0	0	3	24	33	67	132	168	224	259	910
Patents By Year of Application:	0	0	0	0	1	16	24	61	86	131	215	192	149	35	0	910

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
MAZDA MOTOR CORPORATION																
Patents By Year of Grant:	317	38	29	36	31	37	29	29	30	35	36	46	32	39	59	823
Patents By Year of Application:	376	40	32	36	39	42	34	40	45	39	38	33	24	5	0	823
NEC CORPORATION																
Patents By Year of Grant:	292	133	112	98	45	19	28	15	16	10	7	14	7	16	10	822
Patents By Year of Application:	554	81	53	29	18	24	14	14	8	15	9	1	1	1	0	822
BRIDGESTONE CORPORATION																
Patents By Year of Grant:	267	51	64	53	43	39	29	24	20	27	26	35	53	49	39	819
Patents By Year of Application:	414	55	51	41	35	35	46	50	53	24	10	4	1	0	0	819
TAKATA CORPORATION																
Patents By Year of Grant:	152	24	40	48	45	52	37	51	59	80	68	73	43	19	24	815
Patents By Year of Application:	216	55	56	53	74	65	58	106	40	44	24	12	7	5	0	815
CHRYSLER MOTORS CORPORATION																
Patents By Year of Grant:	658	121	27	4	0	0	0	0	0	0	0	0	0	0	0	810
Patents By Year of Application:	807	3	0	0	0	0	0	0	0	0	0	0	0	0	0	810
DANA CORPORATION																
Patents By Year of Grant:	334	84	75	63	57	56	46	39	29	11	0	0	0	0	0	794
Patents By Year of Application:	503	47	81	54	67	18	22	2	0	0	0	0	0	0	0	794
HILTI AKTIENGESELLSCHAFT																
Patents By Year of Grant:	159	48	30	49	67	62	51	65	40	33	29	36	48	34	37	788
Patents By Year of Application:	226	48	72	80	66	65	43	36	44	56	34	13	3	2	0	788
L'OREAL S.A.																
Patents By Year of Grant:	197	58	67	53	44	38	26	43	29	35	39	46	35	35	25	770
Patents By Year of Application:	303	66	86	55	53	53	48	40	23	14	17	9	3	0	0	770
CNH AMERICA LLC																
Patents By Year of Grant:	0	0	0	0	0	19	80	83	102	72	96	100	91	69	53	765
Patents By Year of Application:	0	1	3	30	80	108	92	84	97	92	75	59	29	15	0	765
ETHICON, INC.																
Patents By Year of Grant:	273	52	54	40	65	43	25	44	32	12	26	22	20	23	34	765
Patents By Year of Application:	386	55	83	57	56	28	29	11	12	17	12	12	4	3	0	765
OTIS ELEVATOR COMPANY																
Patents By Year of Grant:	356	30	36	58	25	15	11	16	15	24	33	34	31	40	33	757
Patents By Year of Application:	428	56	38	25	55	45	39	27	18	17	4	2	1	2	0	757

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
BRUNSWICK CORPORATION																
Patents By Year of Grant:	160	54	47	45	34	37	39	49	45	33	34	32	34	15	23	681
Patents By Year of Application:	239	45	48	42	39	56	45	37	48	30	19	15	14	3	1	681
FUJI XEROX CO., LTD.																
Patents By Year of Grant:	91	20	11	25	30	32	28	30	43	54	49	64	73	73	54	677
Patents By Year of Application:	129	25	31	32	54	43	69	71	49	41	63	32	30	8	0	677
CALLAWAY GOLF COMPANY																
Patents By Year of Grant:	48	8	21	66	61	41	50	70	50	57	45	34	28	42	53	674
Patents By Year of Application:	85	40	55	62	55	57	46	42	59	25	33	43	41	25	6	674
MATTEL INC.																
Patents By Year of Grant:	89	41	28	36	45	41	34	28	30	27	43	51	52	71	58	674
Patents By Year of Application:	153	40	47	51	43	45	38	61	57	30	42	35	30	2	0	674
TOYODA JIDOSHOKKI SEISAKUSHO KABUSHIKI KAISHA																
Patents By Year of Grant:	306	87	105	105	55	9	2	1	0	0	0	0	0	0	0	670
Patents By Year of Application:	491	101	76	2	0	0	0	0	0	0	0	0	0	0	0	670
BRIDGESTONE SPORTS CO., LTD.																
Patents By Year of Grant:	102	32	36	39	45	38	25	41	47	43	58	55	39	34	30	664
Patents By Year of Application:	188	43	39	39	32	39	55	55	61	32	50	25	5	1	0	664
EBARA CORPORATION																
Patents By Year of Grant:	182	36	54	73	49	41	36	43	31	17	14	18	24	23	22	663
Patents By Year of Application:	280	75	65	44	48	31	23	16	20	22	20	13	3	3	0	663
KAWASAKI JUKOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	67	13	28	34	40	43	54	50	35	45	35	49	33	57	70	653
Patents By Year of Application:	103	32	34	55	73	48	44	69	43	36	52	44	15	5	0	653
BORGWARNER INC.																
Patents By Year of Grant:	0	24	50	43	50	56	67	66	45	30	33	26	38	48	70	646
Patents By Year of Application:	68	41	63	43	109	61	66	49	65	30	29	16	5	0	1	646
NIPPONDENSO CO., LTD.																
Patents By Year of Grant:	622	13	7	2	0	0	0	0	0	0	0	0	0	0	0	644
Patents By Year of Application:	642	2	0	0	0	0	0	0	0	0	0	0	0	0	0	644
UNIVERSITY OF CALIFORNIA, THE REGENTS OF																
Patents By Year of Grant:	191	50	34	59	46	32	43	31	30	12	15	21	30	21	28	643
Patents By Year of Application:	300	45	45	58	45	34	20	23	23	8	19	13	6	4	0	643

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	Pre																
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL	
PITNEY-BOWES, INC.																	
Patents By Year of Grant:	242	25	33	30	40	45	21	21	20	22	34	24	32	35	17	641	
Patents By Year of Application:	313	28	41	42	34	26	36	26	26	23	29	10	6	1	0	641	
MOTOROLA, INC.																	
Patents By Year of Grant:	379	62	35	37	29	18	19	22	5	21	7	5	0	0	0	639	
Patents By Year of Application:	468	58	17	25	17	15	22	8	7	1	1	0	0	0	0	639	
WMS GAMING, INC.																	
Patents By Year of Grant:	14	7	9	9	18	10	9	16	10	33	24	47	49	202	182	639	
Patents By Year of Application:	32	15	23	28	51	37	65	65	99	76	57	45	28	17	1	639	
Covidien LP																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	52	585	638	
Patents By Year of Application:	0	0	0	1	4	4	4	17	28	53	116	159	129	116	7	638	
SUMITOMO ELECTRIC INDUSTRIES, LTD.																	
Patents By Year of Grant:	223	29	57	28	35	31	34	34	38	27	21	24	16	13	25	635	
Patents By Year of Application:	315	29	33	42	42	29	33	28	32	21	9	12	8	2	0	635	
LUCENT TECHNOLOGIES INC.																	
Patents By Year of Grant:	241	194	111	39	12	12	6	5	6	6	0	0	0	0	0	632	
Patents By Year of Application:	550	36	16	8	10	6	2	4	0	0	0	0	0	0	0	632	
SOUTHPAC TRUST INTERNATIONAL, INC.																	
Patents By Year of Grant:	250	69	72	101	87	43	3	0	0	0	0	0	0	0	0	625	
Patents By Year of Application:	369	70	82	73	31	0	0	0	0	0	0	0	0	0	0	625	
SMITH INTERNATIONAL INC.																	
Patents By Year of Grant:	87	17	38	32	50	36	22	32	36	54	29	63	48	28	43	615	
Patents By Year of Application:	152	46	46	39	38	41	46	48	44	49	23	35	7	1	0	615	
SANSHIN KOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	362	82	62	69	33	2	1	1	0	0	0	0	0	0	0	612	
Patents By Year of Application:	516	61	30	5	0	0	0	0	0	0	0	0	0	0	0	612	
PRATT & WHITNEY CANADA CORP.																	
Patents By Year of Grant:	26	26	26	15	25	22	26	46	50	35	64	65	44	81	60	611	
Patents By Year of Application:	77	19	28	30	38	64	59	103	59	45	53	20	5	10	1	611	
MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	235	26	23	22	23	35	47	28	27	22	22	35	28	15	16	604	
Patents By Year of Application:	282	25	19	34	52	47	20	29	15	48	13	13	5	2	0	604	

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
TEXAS INSTRUMENTS, INCORPORATED																
Patents By Year of Grant:	262	38	33	31	22	32	26	39	16	15	16	14	23	14	12	593
Patents By Year of Application:	330	40	30	36	27	33	24	14	24	14	8	5	6	2	0	593
OLYMPUS OPTICAL CO., LTD.																
Patents By Year of Grant:	291	58	47	50	78	26	14	13	7	2	1	4	0	0	0	591
Patents By Year of Application:	423	47	57	36	22	3	0	1	1	1	0	0	0	0	0	591
MURATA MANUFACTURING CO., LTD.																
Patents By Year of Grant:	164	43	38	32	65	64	32	31	7	15	16	19	21	25	18	590
Patents By Year of Application:	269	52	61	43	26	32	12	7	11	24	27	12	11	3	0	590
BOSCH SIEMENS HAUSGERATE GMBH																
Patents By Year of Grant:	37	17	11	16	20	25	34	47	40	21	20	47	64	72	108	579
Patents By Year of Application:	61	11	19	40	77	108	61	65	46	43	28	7	6	7	0	579
ALLIED-SIGNAL INC.																
Patents By Year of Grant:	418	68	62	15	6	2	1	1	1	0	0	0	0	0	0	574
Patents By Year of Application:	559	5	8	2	0	0	0	0	0	0	0	0	0	0	0	574
TRW VEHICLE SAFETY SYSTEMS, INC.																
Patents By Year of Grant:	296	44	50	39	18	21	12	21	8	9	13	15	6	5	9	566
Patents By Year of Application:	388	40	28	23	20	12	16	12	11	2	5	2	3	3	1	566
ALSTOM TECHNOLOGY LTD																
Patents By Year of Grant:	0	0	0	0	0	48	40	57	44	44	58	61	61	61	80	554
Patents By Year of Application:	0	1	20	40	52	83	43	74	67	59	56	34	18	7	0	554
TETRA LAVAL HOLDINGS & FINANCE S.A.																
Patents By Year of Grant:	210	53	38	38	24	27	22	31	7	15	15	24	13	12	25	554
Patents By Year of Application:	297	50	29	42	42	19	14	22	15	10	7	2	3	2	0	554
YAMAHA CORPORATION																
Patents By Year of Grant:	146	39	27	31	28	20	26	27	30	29	44	49	27	17	14	554
Patents By Year of Application:	209	28	37	26	40	22	35	34	35	37	24	15	11	1	0	554
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION																
Patents By Year of Grant:	222	26	31	34	28	32	20	12	17	26	22	18	17	21	24	550
Patents By Year of Application:	281	27	33	40	28	13	27	19	30	11	17	16	4	4	0	550
E. I. DU PONT DE NEMOURS AND COMPANY																
Patents By Year of Grant:	197	33	18	24	22	28	19	19	15	20	26	21	30	26	48	546
Patents By Year of Application:	255	27	22	27	25	22	33	18	20	32	26	24	7	7	1	546

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	Pre																
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL	
INVENTIO AG																	
Patents By Year of Grant:	93	26	24	36	33	24	27	34	39	47	33	40	25	26	34	541	
Patents By Year of Application:	145	32	29	44	39	66	52	29	55	25	16	4	4	1	0	541	
ITT MANUFACTURING ENTERPRISES, INC.																	
Patents By Year of Grant:	77	102	58	41	39	40	44	32	16	15	10	24	13	19	5	535	
Patents By Year of Application:	239	43	41	43	46	24	29	14	21	16	6	6	7	0	0	535	
JTEKT Corporation																	
Patents By Year of Grant:	0	0	0	0	0	0	0	2	27	38	71	78	90	105	118	529	
Patents By Year of Application:	0	0	0	2	13	36	70	71	103	92	67	30	31	14	0	529	
HILL-ROM SERVICES, INC.																	
Patents By Year of Grant:	0	0	18	52	53	66	30	39	26	32	37	42	43	41	46	525	
Patents By Year of Application:	23	63	57	73	34	29	40	41	45	19	33	38	22	8	0	525	
BAYERISCHE MOTOREN WERKE AG																	
Patents By Year of Grant:	88	29	46	44	33	27	29	27	20	36	34	29	30	21	31	524	
Patents By Year of Application:	162	47	44	34	19	20	22	46	36	23	27	21	14	9	0	524	
DAIKIN INDUSTRIES LIMITED																	
Patents By Year of Grant:	58	22	22	14	23	18	18	26	21	26	39	59	60	61	57	524	
Patents By Year of Application:	93	18	32	32	56	51	59	54	59	53	13	3	1	0	0	524	
FUJI JUKOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	136	32	35	25	61	56	33	29	23	13	17	12	14	21	17	524	
Patents By Year of Application:	196	26	71	53	40	34	22	19	14	14	12	10	9	3	1	524	
M.A.N. ROLAND DRUCKMASCHINEN AG																	
Patents By Year of Grant:	218	32	19	29	31	32	25	27	17	20	24	12	18	13	5	522	
Patents By Year of Application:	282	30	37	26	34	15	38	26	12	14	7	0	1	0	0	522	
SEAGATE TECHNOLOGY, LLC																	
Patents By Year of Grant:	99	48	53	35	40	33	30	32	20	18	23	28	17	20	19	515	
Patents By Year of Application:	200	57	50	33	44	24	19	15	25	17	16	9	4	2	0	515	
EMERSON ELECTRIC CO.																	
Patents By Year of Grant:	134	33	43	36	32	36	16	42	19	24	26	28	15	10	16	510	
Patents By Year of Application:	216	35	36	40	31	31	40	16	20	15	12	9	5	4	0	510	
KOENIG + BAUER AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	71	15	38	32	32	52	33	43	34	38	27	29	39	24	2	509	
Patents By Year of Application:	121	34	41	78	79	32	43	22	17	20	19	2	1	0	0	509	

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	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
SUZUKI MOTOR CORPORATION																
Patents By Year of Grant:	113	43	45	32	39	19	27	28	11	8	7	18	10	34	48	482
Patents By Year of Application:	195	31	41	27	27	27	11	5	13	20	13	35	27	10	0	482
YKK CORPORATION																
Patents By Year of Grant:	146	28	32	42	28	21	16	22	22	28	19	25	18	8	24	479
Patents By Year of Application:	207	39	26	28	29	24	22	32	20	31	10	6	1	3	1	479
MICHELIN RECHERCHE ET TECHNIQUE S.A.																
Patents By Year of Grant:	30	4	15	20	38	30	45	47	42	43	21	34	32	43	30	474
Patents By Year of Application:	51	23	39	47	54	55	57	54	49	30	8	4	3	0	0	474
JAPAN AVIATION ELECTRONICS INDUSTRY LTD.																
Patents By Year of Grant:	48	13	14	17	15	21	55	42	45	30	29	36	33	30	39	467
Patents By Year of Application:	73	18	24	10	43	41	40	38	36	35	34	40	26	9	0	467
TDK CORPORATION																
Patents By Year of Grant:	72	16	30	23	31	28	24	31	36	30	35	39	31	23	17	466
Patents By Year of Application:	119	48	35	23	22	58	27	35	38	19	17	15	8	2	0	466
CORDIS CORPORATION																
Patents By Year of Grant:	194	21	23	18	27	19	21	13	26	14	12	16	11	28	20	463
Patents By Year of Application:	243	35	33	30	34	22	23	14	7	10	1	9	1	1	0	463
KENNAMETAL INC.																
Patents By Year of Grant:	108	19	8	11	23	20	18	37	26	32	23	19	41	29	44	458
Patents By Year of Application:	134	23	26	26	32	27	26	31	35	31	31	24	11	1	0	458
NINTENDO CO., LTD.																
Patents By Year of Grant:	17	9	29	22	14	12	11	13	11	14	25	54	56	82	88	457
Patents By Year of Application:	53	33	24	14	23	45	50	76	25	22	37	21	27	7	0	457
NIDEK CO., LTD.																
Patents By Year of Grant:	91	36	35	19	34	21	14	21	33	38	24	28	21	15	24	454
Patents By Year of Application:	157	36	34	31	17	30	22	24	31	29	13	19	11	0	0	454
KOYO SEIKO COMPANY, LTD.																
Patents By Year of Grant:	103	32	36	35	44	44	46	51	47	7	5	1	0	1	0	452
Patents By Year of Application:	171	42	48	54	75	37	22	2	1	0	0	0	0	0	0	452
PARKER-HANNIFIN CORPORATION																
Patents By Year of Grant:	58	20	18	32	26	33	25	25	18	26	30	36	27	37	38	449
Patents By Year of Application:	95	33	23	33	41	35	30	45	39	21	31	18	3	2	0	449

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
SALOMON S.A.																
Patents By Year of Grant:	188	36	41	33	21	18	17	15	17	10	6	14	15	11	4	446
Patents By Year of Application:	272	25	33	23	12	22	11	17	13	12	3	1	1	1	0	446
SYNTHESES (U.S.A.)																
Patents By Year of Grant:	49	15	24	17	28	14	14	16	20	15	42	44	46	61	33	438
Patents By Year of Application:	87	28	37	28	27	49	52	49	23	10	23	19	4	2	0	438
RISO KAGAKU CORPORATION																
Patents By Year of Grant:	154	27	30	38	39	24	10	6	7	11	5	7	12	39	27	436
Patents By Year of Application:	206	42	48	12	20	12	8	4	3	13	34	20	10	4	0	436
ABBOTT LABORATORIES																
Patents By Year of Grant:	197	16	16	16	20	13	5	12	5	12	13	21	22	37	30	435
Patents By Year of Application:	240	18	18	13	22	8	9	30	30	15	10	11	5	6	0	435
KUBOTA CORPORATION																
Patents By Year of Grant:	93	17	11	17	18	15	28	17	18	37	27	26	32	35	44	435
Patents By Year of Application:	122	18	15	24	29	20	28	36	33	32	32	22	17	7	0	435
NGK INSULATORS LTD.																
Patents By Year of Grant:	110	26	33	33	25	36	20	24	20	17	9	18	14	28	22	435
Patents By Year of Application:	177	34	27	40	19	29	25	5	17	8	21	21	12	0	0	435
SEIKO INSTRUMENTS INC.																
Patents By Year of Grant:	43	11	25	57	53	37	14	22	25	18	23	16	25	31	34	434
Patents By Year of Application:	101	41	53	33	24	22	28	26	23	15	27	22	18	1	0	434
Schaeffler Technologies AG & Co. KG																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	186	247	433
Patents By Year of Application:	0	0	0	0	0	0	3	9	39	104	98	88	58	33	1	433
ADC TELECOMMUNICATIONS, INC.																
Patents By Year of Grant:	31	9	8	19	37	34	30	32	37	33	35	39	29	28	31	432
Patents By Year of Application:	52	21	42	38	19	25	34	45	48	37	23	28	17	3	0	432
TOKAI RUBBER INDUSTRIES, LTD.																
Patents By Year of Grant:	69	22	37	32	35	25	20	37	27	32	17	22	9	20	22	426
Patents By Year of Application:	115	29	37	37	41	27	38	27	24	25	9	6	6	4	1	426
NORTHROP GRUMMAN CORPORATION																
Patents By Year of Grant:	165	39	30	33	26	28	21	15	29	20	11	3	0	2	3	425
Patents By Year of Application:	243	18	36	26	24	25	32	12	5	0	2	0	2	0	0	425

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
AIR PRODUCTS AND CHEMICALS, INC.																
Patents By Year of Grant:	134	26	27	26	33	22	20	16	19	19	18	14	5	13	21	413
Patents By Year of Application:	183	23	30	34	33	19	28	19	12	11	9	4	6	2	0	413
HITACHI KOKI COMPANY, LIMITED																
Patents By Year of Grant:	67	14	15	11	28	19	23	25	36	37	24	29	31	23	31	413
Patents By Year of Application:	96	12	27	23	25	36	55	40	33	35	14	10	5	1	1	413
TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.																
Patents By Year of Grant:	41	35	42	38	45	63	45	16	9	9	2	10	11	25	21	412
Patents By Year of Application:	127	38	51	77	25	18	10	9	13	10	6	18	3	6	1	412
OLYMPUS MEDICAL SYSTEMS CORP.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	2	36	62	136	167	404
Patents By Year of Application:	0	0	0	0	0	0	5	66	72	101	50	51	35	24	0	404
Cook Medical Technologies LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	90	147	163	400
Patents By Year of Application:	0	0	0	0	5	13	24	48	63	76	69	52	26	22	2	400
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)																
Patents By Year of Grant:	126	21	20	23	17	19	7	19	8	14	11	16	26	31	41	399
Patents By Year of Application:	169	22	23	20	19	15	20	13	22	17	23	20	11	5	0	399
ALPS ELECTRIC CO., LTD.																
Patents By Year of Grant:	82	40	44	31	39	28	31	20	16	22	15	13	4	3	10	398
Patents By Year of Application:	160	34	39	30	31	28	20	17	11	9	6	4	6	3	0	398
AIRBUS DEUTSCHLAND GMBH																
Patents By Year of Grant:	0	0	0	19	20	8	11	23	21	27	41	78	78	49	21	396
Patents By Year of Application:	0	9	31	10	20	63	83	64	55	39	16	4	1	1	0	396
FLORIDA TURBINE TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	3	5	4	20	39	68	105	79	71	394
Patents By Year of Application:	0	0	0	0	5	5	21	61	85	52	73	53	25	13	1	394
LUCAS INDUSTRIES PUBLIC LTD. COMPANY																
Patents By Year of Grant:	231	38	56	36	21	11	0	0	1	0	0	0	0	0	0	394
Patents By Year of Application:	323	35	24	12	0	0	0	0	0	0	0	0	0	0	0	394
HAMILTON SUNDSTRAND CORPORATION																
Patents By Year of Grant:	0	9	17	8	13	15	14	19	18	20	22	25	37	73	101	391
Patents By Year of Application:	23	13	7	26	20	34	37	19	26	31	70	44	29	11	1	391

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	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
VOLKSWAGEN AKTIENGESELLSCHAFT																
Patents By Year of Grant:	99	29	32	22	33	20	21	11	21	19	13	21	15	12	17	385
Patents By Year of Application:	152	29	31	34	17	15	40	17	21	9	9	5	1	5	0	385
S. C. JOHNSON + SON, INC.																
Patents By Year of Grant:	46	5	7	21	17	25	25	22	29	23	30	36	29	34	35	384
Patents By Year of Application:	58	26	17	33	37	32	42	25	38	20	20	20	13	3	0	384
ASAHI KOGAKU KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	214	47	63	54	2	1	0	0	0	0	0	0	0	0	0	381
Patents By Year of Application:	338	29	14	0	0	0	0	0	0	0	0	0	0	0	0	381
ISUZU MOTORS LIMITED																
Patents By Year of Grant:	69	31	36	24	27	25	33	22	18	10	5	13	27	24	17	381
Patents By Year of Application:	124	30	31	34	30	30	29	24	34	9	6	0	0	0	0	381
HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.																
Patents By Year of Grant:	0	0	0	0	7	12	25	46	58	56	55	43	30	29	17	378
Patents By Year of Application:	2	4	10	17	51	73	76	48	54	21	11	6	5	0	0	378
INSTITUT FRANCAIS DU PETROLE																
Patents By Year of Grant:	168	32	36	25	23	14	6	21	12	8	6	10	10	3	1	375
Patents By Year of Application:	242	19	23	22	17	20	10	16	6	0	0	0	0	0	0	375
NIKON CORPORATION																
Patents By Year of Grant:	204	25	24	19	17	7	12	5	10	5	5	8	10	8	16	375
Patents By Year of Application:	252	20	18	11	9	11	15	7	6	9	2	7	5	2	1	375
RESMED LIMITED																
Patents By Year of Grant:	4	12	13	19	24	22	20	28	17	11	18	18	51	38	79	374
Patents By Year of Application:	45	26	20	26	34	37	33	36	30	17	18	15	17	18	2	374
Siemens Energy, Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	4	52	80	72	94	72	374
Patents By Year of Application:	0	0	0	0	2	8	28	82	75	64	73	30	11	1	0	374
SANDVIK AKTIEBOLAG																
Patents By Year of Grant:	156	48	35	28	37	31	30	5	0	0	0	1	0	0	0	371
Patents By Year of Application:	235	34	41	36	18	6	1	0	0	0	0	0	0	0	0	371
DELTA ELECTRONICS INC.																
Patents By Year of Grant:	9	5	12	14	29	27	29	31	20	27	23	25	45	46	23	365
Patents By Year of Application:	25	14	25	26	44	34	27	45	37	44	16	15	12	1	0	365

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
SCA HYGIENE PRODUCTS AB																
Patents By Year of Grant:	13	20	22	37	38	26	26	13	11	16	13	29	30	39	30	363
Patents By Year of Application:	93	23	48	53	18	29	21	28	31	7	6	4	1	1	0	363
DELAWARE CAPITAL FORMATION, INC.																
Patents By Year of Grant:	69	20	19	27	42	35	34	28	14	7	5	12	11	16	21	360
Patents By Year of Application:	108	30	39	43	32	28	15	12	9	11	11	13	5	4	0	360
SRI SPORTS LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	6	56	47	38	37	49	43	38	46	360
Patents By Year of Application:	1	2	3	16	32	40	53	33	39	44	37	39	14	7	0	360
MANNESMANN AG																
Patents By Year of Grant:	241	53	39	11	14	1	0	0	0	0	0	0	0	0	0	359
Patents By Year of Application:	338	16	4	1	0	0	0	0	0	0	0	0	0	0	0	359
CONTINENTAL TEVES AG & CO., OHG																
Patents By Year of Grant:	1	9	56	44	27	33	26	20	15	17	11	14	18	33	33	357
Patents By Year of Application:	60	43	40	52	52	14	24	14	25	21	9	3	0	0	0	357
NEWFREY LLC																
Patents By Year of Grant:	0	0	0	0	26	19	37	60	46	29	22	33	31	26	27	356
Patents By Year of Application:	1	7	29	33	58	61	29	40	25	17	16	23	15	2	0	356
SMITH & NEPHEW, INC.																
Patents By Year of Grant:	82	30	12	11	14	13	8	12	16	8	19	21	31	22	57	356
Patents By Year of Application:	128	17	19	28	21	26	14	14	23	11	16	20	15	3	1	356
KABUSHIKI KAISHA TOYOTA JIDOSHOKKI																
Patents By Year of Grant:	0	0	0	2	55	55	21	27	31	29	31	20	24	31	29	355
Patents By Year of Application:	1	1	37	88	23	40	30	41	39	22	16	9	4	4	0	355
LUK LAMELLEN UND KUPPLUNGSBAU BETEILIGUNGS KG																
Patents By Year of Grant:	0	0	0	14	49	32	22	40	33	44	30	60	31	0	0	355
Patents By Year of Application:	1	23	47	37	37	48	43	48	39	24	8	0	0	0	0	355
FUJINON CORPORATION (FORMERLY FUJI PHOTO OPTICAL CO. LTD.)																
Patents By Year of Grant:	93	20	16	45	38	30	15	14	14	13	18	17	13	5	3	354
Patents By Year of Application:	132	31	45	30	25	23	30	20	9	7	1	1	0	0	0	354
KANZAKI KOKYUKOKI MFG. CO. LTD.																
Patents By Year of Grant:	78	17	21	27	22	11	7	2	5	48	39	23	24	17	12	353
Patents By Year of Application:	118	25	18	17	5	10	23	41	36	25	20	11	3	1	0	353

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	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
INGERSOLL-RAND COMPANY																
Patents By Year of Grant:	195	27	18	21	16	9	9	6	11	3	10	6	9	8	3	351
Patents By Year of Application:	238	19	22	8	13	11	5	11	8	6	8	2	0	0	0	351
MASSACHUSETTS INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	104	13	13	19	12	19	15	16	16	14	12	21	20	26	29	349
Patents By Year of Application:	138	23	13	20	31	16	14	15	21	14	14	14	8	7	1	349
AGILENT TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	21	42	34	45	54	42	28	19	14	12	4	6	14	9	344
Patents By Year of Application:	64	35	57	56	40	21	18	22	8	8	11	3	1	0	0	344
Toyota Motor Engineering & Manufacturing North America, Inc.																
Patents By Year of Grant:	0	0	0	0	0	0	1	3	2	24	46	60	45	78	82	341
Patents By Year of Application:	0	0	0	1	5	0	8	42	60	58	77	46	18	24	2	341
MAKITA CORPORATION																
Patents By Year of Grant:	68	11	16	5	9	8	10	17	14	20	18	18	28	43	55	340
Patents By Year of Application:	93	13	9	12	8	17	27	15	17	40	44	22	17	6	0	340
BOSTON SCIENTIFIC CORPORATION																
Patents By Year of Grant:	184	44	37	19	10	10	3	10	7	0	2	5	2	5	1	339
Patents By Year of Application:	270	24	9	8	7	8	1	3	2	0	3	3	1	0	0	339
STRYKER CORPORATION																
Patents By Year of Grant:	57	14	14	9	14	17	10	11	10	13	17	28	38	41	46	339
Patents By Year of Application:	88	14	9	18	16	29	19	35	22	29	14	26	13	6	1	339
JOHNSON CONTROLS TECHNOLOGY COMPANY																
Patents By Year of Grant:	6	12	24	38	32	26	11	12	12	14	6	30	31	33	51	338
Patents By Year of Application:	49	28	43	23	19	22	17	19	23	48	25	10	9	3	0	338
BREED AUTOMOTIVE TECHNOLOGY, INC.																
Patents By Year of Grant:	86	57	68	57	46	21	0	0	0	0	0	0	0	0	0	335
Patents By Year of Application:	196	57	40	42	0	0	0	0	0	0	0	0	0	0	0	335
TRW OCCUPANY RESTRAINT SYSTEMS GMBH & CO., KG																
Patents By Year of Grant:	110	49	56	49	27	20	12	9	2	0	1	0	0	0	0	335
Patents By Year of Application:	221	49	25	20	18	2	0	0	0	0	0	0	0	0	0	335
AVERY DENNISON CORPORATION																
Patents By Year of Grant:	106	23	26	22	19	17	20	10	10	11	8	13	15	17	13	330
Patents By Year of Application:	156	24	28	21	16	13	17	11	19	5	5	7	7	1	0	330

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
GILLETTE COMPANY																
Patents By Year of Grant:	85	18	27	12	15	8	10	12	10	8	15	25	22	30	32	329
Patents By Year of Application:	133	19	12	8	12	20	18	21	17	18	18	15	10	7	1	329
PANDUIT CORPORATION																
Patents By Year of Grant:	29	0	9	18	14	13	7	17	26	23	34	32	45	43	18	328
Patents By Year of Application:	39	14	17	13	11	22	23	21	42	36	25	26	23	15	1	328
NEW HOLLAND NORTH AMERICA, INC.																
Patents By Year of Grant:	142	34	34	35	51	29	1	1	0	0	0	0	0	0	0	327
Patents By Year of Application:	201	28	43	40	14	1	0	0	0	0	0	0	0	0	0	327
SDGI HOLDINGS, INC.																
Patents By Year of Grant:	40	24	36	27	45	41	19	60	21	8	1	1	1	1	0	325
Patents By Year of Application:	104	61	43	59	35	14	7	2	0	0	0	0	0	0	0	325
MEDTRONIC VASCULAR, INC																
Patents By Year of Grant:	0	0	0	0	0	5	27	35	26	28	23	50	50	41	38	323
Patents By Year of Application:	3	5	9	23	73	33	24	36	29	33	20	29	5	1	0	323
SMC CORPORATION																
Patents By Year of Grant:	80	18	36	34	21	24	13	25	13	12	12	9	11	5	10	323
Patents By Year of Application:	112	46	29	22	26	21	19	18	5	17	4	2	2	0	0	323
MANNESMANN SACHS AG																
Patents By Year of Grant:	46	84	51	60	59	19	2	1	0	0	0	0	0	0	0	322
Patents By Year of Application:	183	64	66	7	2	0	0	0	0	0	0	0	0	0	0	322
CARL FREUDENBERG KG																
Patents By Year of Grant:	137	19	10	18	30	18	9	15	13	11	3	6	9	13	10	321
Patents By Year of Application:	176	20	32	21	15	14	7	11	8	6	5	2	1	3	0	321
NIFCO INC.																
Patents By Year of Grant:	80	5	12	19	16	18	33	18	26	19	13	9	13	20	20	321
Patents By Year of Application:	91	9	24	25	44	16	49	9	13	20	9	8	2	2	0	321
SIEMENS AUTOMOTIVE CORPORATION																
Patents By Year of Grant:	120	27	38	49	48	37	0	1	0	0	0	0	0	0	0	320
Patents By Year of Application:	189	79	40	9	3	0	0	0	0	0	0	0	0	0	0	320
CARDIAC PACEMAKERS, INC.																
Patents By Year of Grant:	1	9	11	8	23	16	13	10	12	19	28	38	50	38	43	319
Patents By Year of Application:	20	19	33	25	23	35	26	27	33	9	20	21	18	9	1	319

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	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
ALCOA INC.																
Patents By Year of Grant:	130	15	20	11	18	21	16	13	11	11	4	6	11	11	20	318
Patents By Year of Application:	162	19	17	22	19	12	12	10	7	7	10	13	6	2	0	318
DEPUY PRODUCTS, INC.																
Patents By Year of Grant:	0	0	0	0	4	6	15	21	28	19	27	51	58	65	23	317
Patents By Year of Application:	0	1	4	41	50	54	41	31	29	41	15	7	3	0	0	317
HALLIBURTON CO.																
Patents By Year of Grant:	315	0	0	0	0	0	0	1	0	0	0	0	0	0	0	316
Patents By Year of Application:	315	0	0	0	1	0	0	0	0	0	0	0	0	0	0	316
BERG TECHNOLOGY, INC.																
Patents By Year of Grant:	162	56	56	25	12	3	1	0	0	0	0	0	0	0	0	315
Patents By Year of Application:	276	26	9	1	2	1	0	0	0	0	0	0	0	0	0	315
SMC KABUSHIKI KAISHA																
Patents By Year of Grant:	69	20	27	33	34	16	17	14	13	11	11	14	8	15	13	315
Patents By Year of Application:	108	40	32	28	20	12	11	16	19	15	8	2	3	1	0	315
CUMMINS ENGINE CO., INC.																
Patents By Year of Grant:	194	50	40	13	12	1	0	1	1	0	1	0	0	0	0	313
Patents By Year of Application:	275	24	10	3	1	0	0	0	0	0	0	0	0	0	0	313
MINOLTA CAMERA CO., LTD.																
Patents By Year of Grant:	114	60	62	33	15	13	5	3	2	2	1	1	1	0	1	313
Patents By Year of Application:	258	18	14	11	6	1	1	1	1	1	0	1	0	0	0	313
Daimler AG																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	68	57	39	52	41	54	312
Patents By Year of Application:	0	0	0	0	22	48	37	39	68	43	20	27	6	2	0	312
MORTON INTERNATIONAL, INC.																
Patents By Year of Grant:	311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	311
Patents By Year of Application:	311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	311
HITACHI CONSTRUCTION MACHINERY CO., LTD.																
Patents By Year of Grant:	70	15	19	21	14	12	8	11	9	11	19	18	13	33	36	309
Patents By Year of Application:	106	16	18	25	17	21	17	13	19	23	18	9	5	2	0	309
HUSKY INJECTION MOLDING SYSTEMS LIMITED																
Patents By Year of Grant:	56	20	21	18	16	5	9	12	28	37	28	27	6	8	18	309
Patents By Year of Application:	97	23	15	12	13	27	17	26	45	6	10	10	4	3	1	309

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
MAX CO., LTD.																
Patents By Year of Grant:	63	14	7	6	19	14	12	16	27	9	14	26	35	23	23	308
Patents By Year of Application:	83	9	20	28	21	29	33	19	18	11	14	13	5	5	0	308
ACUSON CORPORATION																
Patents By Year of Grant:	113	42	50	38	40	14	8	1	0	0	0	0	0	0	0	306
Patents By Year of Application:	218	45	22	19	2	0	0	0	0	0	0	0	0	0	0	306
KONAMI CO., LTD.																
Patents By Year of Grant:	44	30	29	40	52	29	35	21	7	11	3	5	0	0	0	306
Patents By Year of Application:	125	57	68	31	10	12	3	0	0	0	0	0	0	0	0	306
EXEDY CORPORATION																
Patents By Year of Grant:	130	50	34	9	17	15	9	3	10	6	3	4	7	4	4	305
Patents By Year of Application:	205	15	13	17	15	9	8	9	5	5	3	1	0	0	0	305
TOSHIBA TEC KABUSHIKI KAISHA																
Patents By Year of Grant:	2	15	23	24	26	19	13	21	24	23	16	32	26	17	24	305
Patents By Year of Application:	52	14	26	12	31	28	22	31	29	12	7	27	9	5	0	305
DAINIPPON SCREEN MFG. CO., LTD.																
Patents By Year of Grant:	75	18	6	10	8	30	24	30	11	28	19	11	18	10	6	304
Patents By Year of Application:	104	4	8	33	39	30	26	17	21	8	10	3	1	0	0	304
COLGATE-PALMOLIVE COMPANY																
Patents By Year of Grant:	58	10	13	15	7	4	10	15	15	21	14	22	28	27	44	303
Patents By Year of Application:	80	15	9	16	14	22	29	21	25	26	13	14	12	7	0	303
FICHTEL + SACHS AG																
Patents By Year of Grant:	293	7	0	0	0	0	0	0	0	0	0	0	0	0	0	300
Patents By Year of Application:	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300
DAIWA SEIKO INC																
Patents By Year of Grant:	191	31	19	13	12	5	6	3	5	5	2	4	2	0	0	298
Patents By Year of Application:	252	11	8	6	4	0	5	3	3	4	2	0	0	0	0	298
CALSONIC KANSEI CORPORATION																
Patents By Year of Grant:	0	3	25	40	24	28	30	33	27	31	16	7	9	16	8	297
Patents By Year of Application:	32	26	42	25	35	58	22	24	15	11	5	0	2	0	0	297
EUROCOPTER																
Patents By Year of Grant:	59	37	20	11	5	19	5	7	7	20	21	12	23	21	29	296
Patents By Year of Application:	118	5	8	20	9	13	17	27	15	18	19	19	7	1	0	296

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---- Organizational Patenting (Granted: Jan 01, 1994 - Dec 31, 2013) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
HIROSE ELECTRIC CO., LTD.																
Patents By Year of Grant:	63	12	26	21	16	12	14	27	16	26	16	12	8	12	14	295
Patents By Year of Application:	96	20	13	21	9	17	18	26	20	14	13	15	10	3	0	295
FERAG AG																
Patents By Year of Grant:	110	8	24	18	14	23	10	7	3	12	7	19	16	13	9	293
Patents By Year of Application:	139	23	17	20	21	8	9	13	12	10	9	7	5	0	0	293
WESTINGHOUSE AIR BRAKE COMPANY																
Patents By Year of Grant:	195	50	36	7	2	2	1	0	0	0	0	0	0	0	0	293
Patents By Year of Application:	282	10	0	0	1	0	0	0	0	0	0	0	0	0	0	293
GRAPHIC PACKAGING INTERNATIONAL, INC.																
Patents By Year of Grant:	0	0	0	0	0	11	19	18	18	18	25	63	38	34	48	292
Patents By Year of Application:	1	1	8	14	24	17	41	39	36	21	33	32	16	9	0	292
MICROSOFT CORPORATION																
Patents By Year of Grant:	13	2	3	4	6	10	14	12	24	15	20	46	33	45	43	290
Patents By Year of Application:	20	4	9	13	29	38	55	24	27	18	11	17	16	9	0	290
HUBBELL INCORPORATED																
Patents By Year of Grant:	87	26	19	14	11	11	4	12	12	6	12	15	24	14	21	288
Patents By Year of Application:	131	15	16	9	9	10	4	15	14	19	16	15	11	4	0	288
C.R.F. SOCIETA CONSORTILE PER AZIONI																
Patents By Year of Grant:	21	9	6	7	21	21	22	30	29	26	15	27	19	14	20	287
Patents By Year of Application:	34	8	19	25	26	31	44	25	18	27	17	8	5	0	0	287
JATCO LTD.																
Patents By Year of Grant:	0	0	0	0	15	28	30	28	33	25	15	28	25	28	29	284
Patents By Year of Application:	0	2	10	36	49	19	51	29	26	12	15	19	10	6	0	284
CORNING INCORPORATED																
Patents By Year of Grant:	61	13	22	16	22	13	8	12	10	7	9	15	18	21	36	283
Patents By Year of Application:	102	15	19	13	15	14	3	19	20	14	18	20	7	4	0	283
NESTEC, S.A.																
Patents By Year of Grant:	71	8	15	11	7	15	11	9	9	8	12	26	15	26	40	283
Patents By Year of Application:	87	14	14	21	19	19	20	10	32	19	16	9	1	2	0	283
HYDRO-GEAR LIMITED PARTNERSHIP																
Patents By Year of Grant:	23	9	15	12	12	30	29	39	23	25	12	5	14	18	16	282
Patents By Year of Application:	38	15	14	33	32	36	27	17	19	16	8	9	13	5	0	282

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[illegible]

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[illegible]

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
MINEBEA KABUSHIKI-KAISHA (MINEBEA CO., LTD)																
Patents By Year of Grant:	22	11	13	21	26	23	32	36	22	14	8	12	6	12	7	265
Patents By Year of Application:	50	19	24	30	55	26	25	10	4	10	6	4	2	0	0	265
TRUTZSCHLER GMBH & CO. KG																
Patents By Year of Grant:	83	13	21	15	16	14	9	8	7	12	14	29	21	3	0	265
Patents By Year of Application:	109	9	18	24	13	16	15	21	9	29	1	1	0	0	0	265
SANDVIK INTELLECTUAL PROPERTY AB																
Patents By Year of Grant:	0	0	0	0	0	0	4	29	30	28	38	37	36	26	36	264
Patents By Year of Application:	1	1	6	6	23	34	37	39	33	32	29	15	7	1	0	264
ADVANCED MICRO DEVICES, INC.																
Patents By Year of Grant:	50	35	54	50	35	14	5	6	2	3	2	0	2	2	2	262
Patents By Year of Application:	132	76	25	9	5	2	3	2	2	2	1	1	2	0	0	262
MCNEIL-PPC, INC.																
Patents By Year of Grant:	77	11	14	17	17	11	8	3	8	9	14	17	17	19	20	262
Patents By Year of Application:	117	18	16	11	9	13	8	24	8	11	13	8	3	1	2	262
TECUMSEH PRODUCTS COMPANY																
Patents By Year of Grant:	64	16	23	23	20	26	24	22	20	6	5	4	4	4	1	262
Patents By Year of Application:	95	26	21	25	43	21	13	8	5	2	2	0	0	1	0	262
AMERICAN AXLE & MANUFACTURING, INC.																
Patents By Year of Grant:	14	8	6	10	11	12	12	21	24	23	18	21	39	23	19	261
Patents By Year of Application:	27	14	8	6	22	25	20	22	28	27	23	15	14	7	3	261
INTERNATIONAL PAPER CO.																
Patents By Year of Grant:	84	8	16	14	12	9	11	11	7	13	28	18	9	9	12	261
Patents By Year of Application:	103	14	19	10	19	12	10	26	21	12	6	6	2	1	0	261
JAPAN SOLDERLESS TERMINAL MFG. CO., LTD.																
Patents By Year of Grant:	5	5	13	20	33	27	28	50	24	21	15	6	8	4	2	261
Patents By Year of Application:	19	15	32	40	22	56	24	14	16	10	5	5	3	0	0	261
KELSEY-HAYES CO.																
Patents By Year of Grant:	96	21	26	29	17	14	8	14	10	5	4	7	5	2	3	261
Patents By Year of Application:	147	29	14	15	11	14	13	8	3	3	2	1	0	0	1	261
VOLVO LASTVAGNAR AB																
Patents By Year of Grant:	3	3	24	13	9	18	16	20	30	28	16	16	20	24	21	261
Patents By Year of Application:	26	18	12	19	29	28	52	45	15	14	3	0	0	0	0	261

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	Pre																
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL	
KONE CORPORATION																	
Patents By Year of Grant:	3	2	13	12	12	8	12	13	14	26	35	22	28	27	31	258	
Patents By Year of Application:	17	12	10	12	15	16	18	40	21	35	16	17	18	10	1	258	
KARL STORZ GMBH & CO. KG																	
Patents By Year of Grant:	0	14	21	29	27	20	15	13	7	3	13	22	20	29	24	257	
Patents By Year of Application:	44	37	25	22	21	11	21	22	19	13	13	7	1	1	0	257	
MATSUSHITA ELECTRIC WORKS, LTD.																	
Patents By Year of Grant:	69	18	15	12	15	12	17	28	18	34	12	7	0	0	0	257	
Patents By Year of Application:	102	14	17	22	23	26	23	17	12	1	0	0	0	0	0	257	
STEELCASE DEVELOPMENT CORPORATION																	
Patents By Year of Grant:	15	38	45	49	36	21	21	10	11	3	2	4	2	0	0	257	
Patents By Year of Application:	106	63	23	23	13	11	11	3	4	0	0	0	0	0	0	257	
UNITED STATES OF AMERICA, AIR FORCE																	
Patents By Year of Grant:	104	16	22	17	16	10	10	5	6	8	8	4	8	11	12	257	
Patents By Year of Application:	135	24	18	12	10	6	14	7	2	8	7	8	4	2	0	257	
FUNAI ELECTRIC CO., LTD.																	
Patents By Year of Grant:	18	5	6	11	11	6	11	20	21	29	28	34	19	15	21	255	
Patents By Year of Application:	30	10	11	6	12	28	36	33	37	21	9	12	8	2	0	255	
Airbus Operations S.A.S.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	3	30	105	114	252	
Patents By Year of Application:	0	0	0	0	0	2	5	37	42	64	59	26	12	5	0	252	
MCDONNELL DOUGLAS CORP.																	
Patents By Year of Grant:	189	40	15	4	0	3	0	0	0	1	0	0	0	0	0	252	
Patents By Year of Application:	245	3	2	2	0	0	0	0	0	0	0	0	0	0	0	252	
Universal Entertainment Corporation																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	29	49	109	63	250	
Patents By Year of Application:	1	0	0	0	5	3	12	17	39	73	48	29	19	3	1	250	
TAYLOR MADE GOLF COMPANY, INC.																	
Patents By Year of Grant:	41	8	4	4	9	7	7	13	13	11	15	21	23	27	46	249	
Patents By Year of Application:	55	4	11	11	10	9	11	20	26	16	13	19	19	20	5	249	
BAUSCH & LOMB, INC.																	
Patents By Year of Grant:	52	6	13	12	19	23	11	10	15	8	7	11	18	18	25	248	
Patents By Year of Application:	70	29	18	25	19	15	8	11	13	19	7	7	4	2	1	248	

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
LINDE AKTIENGESELLSCHAFT																
Patents By Year of Grant:	70	15	21	19	23	9	10	19	13	2	6	5	10	16	10	248
Patents By Year of Application:	105	18	21	21	14	18	8	10	6	7	3	9	7	1	0	248
ADVICS CO., LTD.																
Patents By Year of Grant:	0	0	0	0	1	6	31	36	30	33	25	21	26	20	18	247
Patents By Year of Application:	0	0	0	3	35	65	34	34	29	18	15	11	2	1	0	247
MEDTRONIC MINIMED INC.																
Patents By Year of Grant:	0	0	0	6	19	14	8	13	12	14	15	33	21	33	59	247
Patents By Year of Application:	4	10	30	14	25	20	19	21	11	17	20	29	14	13	0	247
TOSHIBA MACHINE CO., LTD.																
Patents By Year of Grant:	75	11	20	9	14	18	7	16	9	12	7	16	9	13	9	245
Patents By Year of Application:	104	10	13	24	10	11	11	25	12	10	5	7	1	2	0	245
DEPUY SPINE, INC.																
Patents By Year of Grant:	0	0	0	0	0	5	5	8	15	7	14	44	55	58	33	244
Patents By Year of Application:	0	0	4	17	18	41	51	36	31	12	14	13	2	5	0	244
YAMAHA MARINE KABUSHIKI KAISHA																
Patents By Year of Grant:	0	0	0	0	29	44	40	28	44	47	12	0	0	0	0	244
Patents By Year of Application:	1	11	25	59	24	26	58	29	11	0	0	0	0	0	0	244
COCA-COLA COMPANY																
Patents By Year of Grant:	89	17	26	17	14	11	1	5	2	4	4	11	12	16	13	242
Patents By Year of Application:	128	12	23	13	6	3	6	9	14	9	10	5	1	3	0	242
COMMISSARIAT A L'ENERGIE ATOMIQUE																
Patents By Year of Grant:	73	12	13	9	10	9	6	10	10	13	16	14	13	25	9	242
Patents By Year of Application:	98	11	13	16	13	16	12	25	15	13	6	3	1	0	0	242
RIVERWOOD INTERNATIONAL CORPORATION																
Patents By Year of Grant:	204	15	12	8	3	0	0	0	0	0	0	0	0	0	0	242
Patents By Year of Application:	229	8	4	0	1	0	0	0	0	0	0	0	0	0	0	242
COLOPLAST A/S																
Patents By Year of Grant:	21	3	5	6	9	6	6	5	7	7	11	21	32	41	61	241
Patents By Year of Application:	32	9	13	18	13	17	17	11	13	8	13	29	32	14	2	241
COOK INC.																
Patents By Year of Grant:	50	7	10	11	12	11	8	6	10	11	29	58	17	1	0	241
Patents By Year of Application:	78	9	14	16	14	31	28	18	18	12	2	1	0	0	0	241

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	Pre																
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL	
FANUC LTD.																	
Patents By Year of Grant:	67	7	10	8	5	5	6	22	28	28	13	20	14	8	0	241	
Patents By Year of Application:	86	8	7	2	15	27	29	20	19	15	8	5	0	0	0	241	
FISHER CONTROLS INTERNATIONAL, INC.																	
Patents By Year of Grant:	48	11	6	6	7	17	17	17	9	11	9	14	18	29	22	241	
Patents By Year of Application:	63	5	12	15	25	18	12	19	14	27	19	7	4	1	0	241	
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.																	
Patents By Year of Grant:	38	16	20	17	15	11	10	11	4	11	12	11	20	16	29	241	
Patents By Year of Application:	78	18	20	14	15	13	21	17	16	13	8	2	6	0	0	241	
KOHLER CO.																	
Patents By Year of Grant:	74	6	13	10	15	14	9	9	4	8	11	19	14	20	15	241	
Patents By Year of Application:	84	17	8	26	9	12	6	15	18	24	15	3	3	1	0	241	
TORO COMPANY																	
Patents By Year of Grant:	60	19	6	20	9	8	10	15	8	15	17	13	10	15	16	241	
Patents By Year of Application:	88	12	14	17	11	13	19	12	15	11	10	8	8	3	0	241	
FEDERAL-MOGUL WORLD WIDE, INC.																	
Patents By Year of Grant:	4	8	15	22	23	14	19	22	18	23	18	17	20	12	5	240	
Patents By Year of Application:	29	15	27	20	18	24	31	19	31	8	6	6	5	1	0	240	
TOYO TIRE & RUBBER CO., LTD.																	
Patents By Year of Grant:	26	11	7	20	32	11	4	4	12	14	10	10	16	32	31	240	
Patents By Year of Application:	46	14	30	20	4	15	14	18	20	30	10	8	9	2	0	240	
UNIVERSITY OF TEXAS																	
Patents By Year of Grant:	68	14	6	12	17	15	12	10	9	7	13	8	12	14	22	239	
Patents By Year of Application:	98	16	14	20	11	13	11	10	10	5	13	13	3	2	0	239	
WALKER DIGITAL, LLC																	
Patents By Year of Grant:	0	15	35	15	22	15	16	15	15	20	20	20	14	10	7	239	
Patents By Year of Application:	53	33	27	16	16	18	13	42	7	4	4	3	2	1	0	239	
KONICA CORPORATION																	
Patents By Year of Grant:	94	16	11	14	24	33	23	13	6	2	1	1	0	0	0	238	
Patents By Year of Application:	125	20	18	27	40	3	3	2	0	0	0	0	0	0	0	238	
DONNELLY CORPORATION																	
Patents By Year of Grant:	48	17	23	16	17	13	14	9	12	13	12	11	10	12	10	237	
Patents By Year of Application:	79	19	22	17	14	14	12	4	12	7	6	11	11	5	4	237	

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
THOMAS & BETTS INTERNATIONAL, INC.																
Patents By Year of Grant:	24	29	27	10	8	11	9	12	13	11	24	26	11	12	10	237
Patents By Year of Application:	70	20	7	13	11	8	24	17	18	16	17	7	6	3	0	237
ESSILOR INTERNATIONAL COMPAGNIE GENERALE D'OPTIQUE																
Patents By Year of Grant:	29	5	8	3	7	6	5	6	11	18	22	20	28	37	31	236
Patents By Year of Application:	44	4	5	8	11	18	25	40	29	24	15	10	2	0	1	236
John Mezzalllingua Associates, LLC																
Patents By Year of Grant:	9	0	0	1	2	6	6	21	24	23	15	23	41	41	24	236
Patents By Year of Application:	9	3	0	3	7	15	27	28	24	10	36	34	33	4	3	236
SIEMENS MEDICAL SOLUTIONS USA, INC.																
Patents By Year of Grant:	0	0	1	9	10	18	12	15	14	10	27	43	31	23	23	236
Patents By Year of Application:	4	14	13	20	39	28	27	21	27	26	8	5	2	2	0	236
SNECMA MOTEURS																
Patents By Year of Grant:	0	0	4	13	30	37	27	74	38	13	0	0	0	0	0	236
Patents By Year of Application:	0	14	38	48	28	86	21	1	0	0	0	0	0	0	0	236
AUDI AG																
Patents By Year of Grant:	59	2	9	3	7	9	5	6	6	8	5	21	16	35	44	235
Patents By Year of Application:	70	6	6	15	12	11	11	12	12	29	24	12	12	3	0	235
KCI LICENSING, INC.																
Patents By Year of Grant:	0	1	1	9	8	10	13	8	8	14	13	23	24	46	57	235
Patents By Year of Application:	20	14	7	12	13	8	14	14	24	20	53	11	19	6	0	235
MURATA KIKAI KABUSHIKI KAISHA																
Patents By Year of Grant:	104	21	15	15	14	6	4	11	8	15	8	9	4	1	0	235
Patents By Year of Application:	138	16	15	12	8	11	12	12	11	0	0	0	0	0	0	235
SANDIA CORPORATION																
Patents By Year of Grant:	55	14	27	26	14	11	8	9	10	6	4	6	16	17	12	235
Patents By Year of Application:	100	28	10	9	15	9	10	5	9	9	16	9	3	3	0	235
WESTINGHOUSE ELECTRIC CORP.																
Patents By Year of Grant:	233	1	0	1	0	0	0	0	0	0	0	0	0	0	0	235
Patents By Year of Application:	234	1	0	0	0	0	0	0	0	0	0	0	0	0	0	235
CONTINENTAL AUTOMOTIVE GMBH																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	4	47	58	56	68	233
Patents By Year of Application:	0	0	0	0	0	8	14	29	55	73	40	12	2	0	0	233

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	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
AIRBUS FRANCE																
Patents By Year of Grant:	0	0	0	1	15	21	16	22	24	27	21	36	37	12	0	232
Patents By Year of Application:	0	0	9	27	25	36	59	35	26	12	3	0	0	0	0	232
VALEO S.A.																
Patents By Year of Grant:	128	21	34	21	10	14	3	0	1	0	0	0	0	0	0	232
Patents By Year of Application:	171	30	16	14	1	0	0	0	0	0	0	0	0	0	0	232
ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LTD.																
Patents By Year of Grant:	0	1	4	2	7	11	4	4	3	4	5	5	15	71	95	231
Patents By Year of Application:	9	3	27	7	3	9	6	8	22	52	43	14	15	13	0	231
KNORR-BREMSE SYSTEME FUER NUTZFAHRZEUGE GMBH																
Patents By Year of Grant:	13	11	3	2	6	13	5	15	14	10	21	20	32	29	37	231
Patents By Year of Application:	26	3	13	26	12	14	10	15	34	24	20	26	7	1	0	231
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY																
Patents By Year of Grant:	133	15	16	10	7	9	6	5	5	3	2	5	6	3	6	231
Patents By Year of Application:	159	12	11	12	7	5	2	2	8	3	6	1	2	1	0	231
BRAUN GMBH																
Patents By Year of Grant:	2	6	29	18	20	17	13	14	8	13	7	13	13	20	37	230
Patents By Year of Application:	31	25	21	27	18	20	12	15	11	14	4	18	10	4	0	230
ENDRESS + HAUSER FLOWTEC AG																
Patents By Year of Grant:	30	3	3	6	7	6	12	21	15	25	23	14	22	22	20	229
Patents By Year of Application:	39	5	5	14	19	16	24	32	22	12	24	15	2	0	0	229
KOMORI CORPORATION																
Patents By Year of Grant:	60	4	10	21	27	13	12	16	9	7	12	8	7	15	8	229
Patents By Year of Application:	75	16	37	7	12	22	14	10	3	21	6	4	1	1	0	229
NCR CORPORATION																
Patents By Year of Grant:	88	22	14	17	21	5	6	6	5	5	3	2	5	14	15	228
Patents By Year of Application:	134	15	18	8	6	7	4	4	5	2	9	12	4	0	0	228
ROSEMOUNT INC.																
Patents By Year of Grant:	54	13	5	7	23	10	10	11	11	20	12	12	17	8	14	227
Patents By Year of Application:	80	11	12	10	12	17	9	15	19	16	14	8	4	0	0	227
KONAMI DIGITAL ENTERTAINMENT CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	7	7	21	32	90	68	226
Patents By Year of Application:	0	0	0	6	8	16	26	36	30	44	20	27	11	2	0	226

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
SPX CORPORATION																
Patents By Year of Grant:	22	13	11	10	18	19	24	29	17	11	10	14	13	8	6	225
Patents By Year of Application:	42	17	15	35	35	21	17	11	14	7	3	7	1	0	0	225
SOUTHWEST RESEARCH INSTITUTE																
Patents By Year of Grant:	55	10	12	13	13	21	7	15	15	9	11	15	4	11	13	224
Patents By Year of Application:	81	9	17	14	21	9	14	16	16	9	10	5	3	0	0	224
BEHR GMBH & CO.																
Patents By Year of Grant:	83	16	23	25	18	15	19	10	6	5	1	1	0	1	0	223
Patents By Year of Application:	126	15	30	32	9	5	5	1	0	0	0	0	0	0	0	223
HUNTER DOUGLAS, INC.																
Patents By Year of Grant:	42	11	13	13	10	13	12	17	14	10	18	10	8	11	21	223
Patents By Year of Application:	60	19	13	16	16	14	7	29	12	8	11	6	10	2	0	223
NOVARTIS AG (FORMERLY SANDOZ LTD.)																
Patents By Year of Grant:	3	6	4	5	7	13	14	18	11	9	9	15	29	33	47	223
Patents By Year of Application:	16	10	15	12	19	18	20	30	22	23	18	11	7	2	0	223
APPLIED MEDICAL RESOURCES CORPORATION																
Patents By Year of Grant:	50	7	4	3	7	4	7	7	4	8	10	19	21	39	32	222
Patents By Year of Application:	68	3	8	12	15	14	11	17	11	7	19	16	10	11	0	222
COSCO MANAGEMENT, INC.																
Patents By Year of Grant:	0	5	7	14	21	14	18	22	13	16	15	19	22	18	17	221
Patents By Year of Application:	10	14	24	14	35	22	11	7	20	19	23	16	5	1	0	221
Fu Zhun Precision Industry (Shenzhen) Co., Ltd.																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	13	20	35	39	39	48	26	221
Patents By Year of Application:	0	0	0	1	1	9	27	42	51	35	39	15	1	0	0	221
INA WALZLAGER SCHAEFFLER OHG																
Patents By Year of Grant:	37	42	56	50	24	5	5	2	0	0	0	0	0	0	0	221
Patents By Year of Application:	116	52	41	9	2	1	0	0	0	0	0	0	0	0	0	221
NIPPON THOMPSON CO., LTD.																
Patents By Year of Grant:	106	13	9	2	8	10	4	6	7	7	5	14	9	7	14	221
Patents By Year of Application:	127	4	8	9	7	8	12	9	10	12	5	4	4	1	1	221
REHRIG-PACIFIC COMPANY, INC.																
Patents By Year of Grant:	35	7	10	8	10	3	14	26	14	8	10	19	19	19	19	221
Patents By Year of Application:	52	18	18	17	20	15	18	12	8	10	12	10	4	7	0	221

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	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
ZEXEL CORPORATION																
Patents By Year of Grant:	176	25	13	6	0	1	0	0	0	0	0	0	0	0	0	221
Patents By Year of Application:	209	12	0	0	0	0	0	0	0	0	0	0	0	0	0	221
AISAN KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	29	12	3	17	10	18	23	19	14	10	4	23	11	15	12	220
Patents By Year of Application:	46	13	11	15	30	21	8	13	19	21	7	13	2	1	0	220
DEKA PRODUCTS LIMITED PARTNERSHIP																
Patents By Year of Grant:	27	10	8	18	17	12	10	8	9	7	6	14	17	20	37	220
Patents By Year of Application:	61	11	10	12	29	7	9	3	28	19	11	10	10	0	0	220
SEB S.A.																
Patents By Year of Grant:	57	9	13	10	9	19	4	15	1	18	11	7	15	17	15	220
Patents By Year of Application:	71	14	10	24	22	14	12	16	11	14	7	3	1	1	0	220
ISCAR LTD.																
Patents By Year of Grant:	47	12	11	5	10	9	8	20	11	9	8	6	9	16	38	219
Patents By Year of Application:	72	1	11	13	7	14	14	13	11	14	15	16	13	5	0	219
JAPAN TOBACCO INC.																
Patents By Year of Grant:	76	19	11	9	8	11	9	3	5	5	7	12	15	11	18	219
Patents By Year of Application:	111	7	8	4	18	9	13	6	13	9	3	8	7	3	0	219
SIKORSKY AIRCRAFT CORPORATION																
Patents By Year of Grant:	52	20	11	8	12	9	12	7	13	6	11	18	16	7	17	219
Patents By Year of Application:	83	2	14	13	20	13	14	24	11	10	5	5	4	0	1	219
MANNESMANN VDO AG																
Patents By Year of Grant:	3	34	60	71	37	7	3	2	0	0	1	0	0	0	0	218
Patents By Year of Application:	108	67	39	1	2	1	0	0	0	0	0	0	0	0	0	218
NEW VENTURE GEAR, INC.																
Patents By Year of Grant:	91	22	6	30	39	27	1	0	0	0	0	0	0	0	0	216
Patents By Year of Application:	114	20	34	25	22	1	0	0	0	0	0	0	0	0	0	216
WONDERLAND NURSERY GOODS CO., LTD.																
Patents By Year of Grant:	0	0	0	2	3	3	9	14	10	15	18	35	25	37	45	216
Patents By Year of Application:	0	4	1	1	14	14	14	26	29	24	22	46	18	3	0	216
BIOMET MANUFACTURING CORP.																
Patents By Year of Grant:	0	0	0	0	1	0	1	2	13	9	22	28	33	49	57	215
Patents By Year of Application:	0	0	2	1	21	24	22	21	15	23	23	31	27	5	0	215

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
SONOCO DEVELOPMENT, INC.																
Patents By Year of Grant:	8	24	20	22	17	14	10	19	15	8	9	12	13	10	14	215
Patents By Year of Application:	46	29	18	18	22	17	6	16	6	9	4	12	9	3	0	215
TEXTRON INC.																
Patents By Year of Grant:	77	18	12	8	16	14	10	18	15	14	7	4	0	1	1	215
Patents By Year of Application:	102	17	12	17	16	15	10	14	8	2	0	1	1	0	0	215
ASMO CO., LTD.																
Patents By Year of Grant:	40	16	9	19	21	10	7	12	11	9	8	18	12	13	9	214
Patents By Year of Application:	70	9	26	19	8	21	8	11	15	10	9	2	6	0	0	214
HONEYWELL INC.																
Patents By Year of Grant:	171	30	6	3	3	1	0	0	0	0	0	0	0	0	0	214
Patents By Year of Application:	212	0	1	1	0	0	0	0	0	0	0	0	0	0	0	214
LORD CORPORATION																
Patents By Year of Grant:	57	22	23	18	9	11	5	6	6	5	4	6	12	13	16	213
Patents By Year of Application:	106	15	14	13	8	2	8	11	11	7	7	8	3	0	0	213
MITSUBISHI MATERIALS CORPORATION																
Patents By Year of Grant:	68	7	16	12	11	7	12	9	8	6	4	7	17	13	16	213
Patents By Year of Application:	93	14	10	16	13	5	9	6	10	15	11	3	8	0	0	213
MODINE MANUFACTURING COMPANY																
Patents By Year of Grant:	46	7	9	11	15	19	23	19	11	9	7	7	8	9	13	213
Patents By Year of Application:	63	10	20	27	22	22	9	12	10	10	4	1	2	1	0	213
AKTIEBOLAGET SKF																
Patents By Year of Grant:	13	5	3	1	9	6	12	20	9	17	10	18	14	27	48	212
Patents By Year of Application:	21	1	6	25	8	25	27	25	19	19	15	12	7	2	0	212
ANDREAS STIHL AG & CO.																
Patents By Year of Grant:	64	24	25	22	38	27	8	2	2	0	0	0	0	0	0	212
Patents By Year of Application:	109	22	41	39	1	0	0	0	0	0	0	0	0	0	0	212
ARTHREX INC.																
Patents By Year of Grant:	33	5	3	4	16	4	5	10	9	7	7	9	33	26	41	212
Patents By Year of Application:	42	6	12	12	23	11	11	19	20	20	15	13	7	1	0	212
CASIO COMPUTER CO. LTD.																
Patents By Year of Grant:	41	10	8	12	3	1	4	5	9	7	14	14	30	16	38	212
Patents By Year of Application:	59	12	3	1	7	12	13	17	17	13	9	28	13	7	1	212

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	Pre																
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL	
DELL PRODUCTS, L.P.																	
Patents By Year of Grant:	45	13	14	12	9	13	12	13	14	12	14	13	16	6	6	212	
Patents By Year of Application:	73	15	10	12	15	14	17	16	6	18	11	3	1	1	0	212	
NISCA CORPORATION																	
Patents By Year of Grant:	34	13	5	8	23	14	14	11	9	17	12	11	14	14	13	212	
Patents By Year of Application:	58	5	16	22	16	17	17	10	14	11	6	14	4	1	1	212	
SMS DEMAG AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	0	0	8	19	31	20	17	29	30	26	21	4	2	5	0	212	
Patents By Year of Application:	1	27	43	48	38	28	10	9	8	0	0	0	0	0	0	212	
ANDREAS STIHL AG & CO KG																	
Patents By Year of Grant:	0	0	0	0	0	4	37	23	28	26	19	17	19	17	21	211	
Patents By Year of Application:	0	0	0	1	38	37	27	35	20	21	14	13	5	0	0	211	
ARTHROCARE CORPORATION																	
Patents By Year of Grant:	15	17	22	13	14	12	13	11	15	16	11	18	11	13	10	211	
Patents By Year of Application:	69	24	16	18	19	9	13	9	11	5	9	3	4	2	0	211	
ARVINMERITOR TECHNOLOGY, LLC																	
Patents By Year of Grant:	0	0	0	0	1	18	36	32	18	21	19	18	16	11	21	211	
Patents By Year of Application:	1	0	0	27	62	28	23	19	14	6	11	5	11	4	0	211	
GAS RESEARCH INSTITUTE																	
Patents By Year of Grant:	175	16	8	3	4	3	2	0	0	0	0	0	0	0	0	211	
Patents By Year of Application:	199	3	6	2	1	0	0	0	0	0	0	0	0	0	0	211	
MITSUBISHI JUKOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	202	5	3	0	1	0	0	0	0	0	0	0	0	0	0	211	
Patents By Year of Application:	209	2	0	0	0	0	0	0	0	0	0	0	0	0	0	211	
VERMEER MANUFACTURING COMPANY, INC.																	
Patents By Year of Grant:	33	7	8	20	10	16	15	12	9	11	17	16	11	15	11	211	
Patents By Year of Application:	49	16	13	19	11	14	16	15	18	19	7	10	1	3	0	211	
VOITH PAPER PATENT GMBH																	
Patents By Year of Grant:	0	0	0	5	24	18	16	18	11	13	22	19	19	18	27	210	
Patents By Year of Application:	0	2	30	34	16	17	14	20	17	24	19	6	7	3	1	210	
ZIMMER, INC.																	
Patents By Year of Grant:	107	0	1	6	7	0	0	2	3	3	4	13	9	24	31	210	
Patents By Year of Application:	107	10	3	3	13	5	11	7	9	8	9	11	12	2	0	210	

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	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
BABCOCK & WILCOX COMPANY																
Patents By Year of Grant:	162	10	11	9	4	5	3	2	3	0	0	0	0	0	0	209
Patents By Year of Application:	183	7	5	8	2	3	1	0	0	0	0	0	0	0	0	209
BOMBARDIER RECREATIONAL PRODUCTS INC.																
Patents By Year of Grant:	0	0	0	0	0	26	46	22	7	20	10	20	17	19	21	208
Patents By Year of Application:	0	5	15	19	37	22	16	13	17	29	13	6	6	10	0	208
EMHART INC.																
Patents By Year of Grant:	128	28	25	26	1	0	0	0	0	0	0	0	0	0	0	208
Patents By Year of Application:	176	25	6	1	0	0	0	0	0	0	0	0	0	0	0	208
NHK SPRING CO., LTD.																
Patents By Year of Grant:	24	5	5	12	11	13	10	12	8	10	13	20	18	26	21	208
Patents By Year of Application:	34	13	18	15	13	16	12	18	17	12	19	10	5	5	1	208
NIPPON STEEL CORP.																
Patents By Year of Grant:	64	12	10	9	7	9	13	6	12	3	6	10	17	23	7	208
Patents By Year of Application:	91	8	8	15	10	14	15	7	14	8	5	7	6	0	0	208
NSK-WARNER K. K.																
Patents By Year of Grant:	39	18	12	16	11	15	11	14	8	10	11	15	12	5	11	208
Patents By Year of Application:	73	12	13	15	14	13	17	14	13	9	9	2	4	0	0	208
SIEMENS VDO AUTOMOTIVE CORPORATION																
Patents By Year of Grant:	0	0	0	7	25	34	55	30	47	9	0	1	0	0	0	208
Patents By Year of Application:	5	17	26	39	45	52	16	7	1	0	0	0	0	0	0	208
TOYOTA BOSHOKU KABUSHIKI KAISHA																
Patents By Year of Grant:	0	0	0	0	0	0	0	3	3	5	12	34	47	59	44	207
Patents By Year of Application:	0	0	0	0	2	2	11	12	31	58	54	21	11	5	0	207
VETCO GRAY INC																
Patents By Year of Grant:	2	0	0	0	0	0	13	18	12	10	13	24	23	55	37	207
Patents By Year of Application:	2	0	0	6	16	12	21	19	17	27	40	33	11	3	0	207
DAICEL CHEMICAL INDUSTRIES LTD.																
Patents By Year of Grant:	27	8	13	17	11	11	20	19	14	13	17	16	5	5	10	206
Patents By Year of Application:	57	18	13	23	20	9	16	11	15	8	1	8	7	0	0	206
EXXONMOBIL UPSTREAM RESEARCH COMPANY																
Patents By Year of Grant:	0	11	17	15	16	13	10	9	1	14	11	16	13	23	37	206
Patents By Year of Application:	26	12	13	23	16	15	14	16	20	23	6	9	8	5	0	206

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	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
FRAMATOME CONNECTORS INTERNATIONAL S.A.																
Patents By Year of Grant:	101	31	27	31	13	3	0	0	0	0	0	0	0	0	0	206
Patents By Year of Application:	159	29	18	0	0	0	0	0	0	0	0	0	0	0	0	206
BORG-WARNER AUTOMOTIVE, INC.																
Patents By Year of Grant:	191	11	0	1	2	0	0	0	0	0	0	0	0	0	0	205
Patents By Year of Application:	203	0	2	0	0	0	0	0	0	0	0	0	0	0	0	205
SUMITOMO METAL INDUSTRIES CO., LTD.																
Patents By Year of Grant:	38	21	11	8	3	7	5	9	10	12	6	18	28	26	3	205
Patents By Year of Application:	64	12	6	8	6	3	16	19	11	21	20	12	6	1	0	205
GRACO CHILDREN'S PRODUCTS, INC.																
Patents By Year of Grant:	34	12	10	5	13	7	11	10	8	17	16	20	16	15	10	204
Patents By Year of Application:	62	4	11	11	13	11	13	19	24	12	12	7	5	0	0	204
SUMITOMO HEAVY INDUSTRIES, LTD.																
Patents By Year of Grant:	64	9	11	10	7	12	7	11	8	7	11	8	15	8	16	204
Patents By Year of Application:	82	13	9	17	11	17	7	11	7	9	8	7	2	4	0	204
CALIFORNIA INSTITUTE OF TECHNOLOGY																
Patents By Year of Grant:	31	7	10	16	18	13	6	9	12	7	11	15	12	18	18	203
Patents By Year of Application:	52	22	17	8	15	11	15	11	17	13	7	4	4	6	1	203
ROCHE DIAGNOSTICS OPERATIONS, INC.																
Patents By Year of Grant:	0	0	0	0	0	2	5	4	16	8	10	32	33	52	41	203
Patents By Year of Application:	0	0	4	10	17	16	11	22	28	25	31	20	15	4	0	203
SHERWOOD SERVICES AG																
Patents By Year of Grant:	5	18	30	27	23	8	11	32	37	10	2	0	0	0	0	203
Patents By Year of Application:	65	23	23	23	28	21	11	8	1	0	0	0	0	0	0	203
AGFA-GEVAERT N.V.																
Patents By Year of Grant:	79	28	17	17	15	20	9	11	3	2	0	0	0	0	1	202
Patents By Year of Application:	126	15	19	16	18	7	0	0	0	0	0	1	0	0	0	202
CUMMINS INC.																
Patents By Year of Grant:	0	0	0	19	22	20	17	17	16	7	20	20	14	16	14	202
Patents By Year of Application:	5	12	26	19	20	21	27	21	21	13	7	7	3	0	0	202
FINISAR CORPORATION																
Patents By Year of Grant:	0	0	0	1	1	1	20	25	35	36	25	30	13	12	3	202
Patents By Year of Application:	1	0	2	11	33	38	30	21	24	26	9	4	0	3	0	202

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	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
THK CO., LTD.																
Patents By Year of Grant:	20	24	12	16	16	15	8	4	6	10	4	9	21	22	13	200
Patents By Year of Application:	55	16	20	16	9	19	17	17	12	11	3	4	1	0	0	200
Other Organizations (109302)																
Patents By Year of Grant:	126151	26166	27194	25781	25972	23513	20863	23162	19870	19120	19132	26526	27276	30865	34902	476493
Patents By Year of Application:	180679	28389	29162	30818	30310	27504	25957	25109	24742	22590	19596	16498	10329	4446	364	476493