

# TECHNOLOGY ASSESSMENT AND FORECAST REPORT

## MECHANICAL CLASSES

1/1996 – 12/2015



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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 **1996** and **December 2015** 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 2002**" column, correspond to selected patents in the data base which were granted during the period **1996 to 2001**.

#### **Part B**

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since 1995. 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 **26** 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 2002**" column, correspond to utility patent grants in the report that were filed prior to **2002**.

### Parts of the Report

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

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

Note that for a patent, the country of origin may differ from the country of ownership. Therefore, **the sum of U.S. origin patents 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 2015, patent grant data, as distributed by year of application are approximately 97% complete for utility patent applications filed in 2007, 97% complete for filings in 2008, 91% complete for filings in 2009, 86% complete for filings in 2010, 83% complete for filings in 2011, 69% complete for filings in 2012, 43% for filings in 2013, and 16% for filings in 2014; data are essentially complete for applications filed prior to 2007.

CHEMICAL, ELECTRICAL, MECHANICAL CLASSES

DECEMBER 2015

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 2015  
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, 1996 - Dec 31, 2015) ----

	NUMBER OF PATENTS															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
<b>Total</b>	313950	58341	58654	53054	46522	51522	44548	42603	42572	57146	58054	64757	70843	76376	77653	1116595
U.S. Origin	182149	31653	31977	28463	25262	27777	23645	21895	22270	30363	30863	34091	37662	40175	40347	608592
Foreign Origin	131801	26688	26677	24591	21260	23745	20903	20708	20302	26783	27191	30666	33181	36201	37306	508003
JAPAN	44250	9115	9136	8391	7411	8317	7559	7465	7207	9189	9119	10002	10347	11349	11507	170364
GERMANY	24714	4997	4946	4461	3720	3889	3375	3296	3205	4289	4266	5053	5573	5968	6134	87886
TAIWAN	10274	2469	2367	2542	2069	2340	1987	1894	1826	2149	2170	2362	2359	2195	2436	41439
CANADA	8444	1474	1521	1340	1199	1325	1153	1065	1086	1412	1425	1530	1668	1794	1840	28276
FRANCE	7553	1413	1364	1197	921	1096	932	924	922	1274	1317	1638	1684	2052	2053	26340
UNITED KINGDOM	6791	1293	1185	1055	985	1050	892	804	787	1161	1187	1500	1690	1896	1887	24163
KOREA, SOUTH	3436	731	747	772	801	928	927	945	1008	1239	1290	1462	1592	1869	2009	19756
ITALY	4197	794	835	789	624	670	591	588	555	753	783	869	1004	1060	1061	15173
SWITZERLAND	3393	609	599	529	395	497	401	443	444	572	590	697	827	933	979	11908
AUSTRALIA	2182	456	495	460	474	648	620	674	593	892	904	669	681	688	631	11067
SWEDEN	3377	646	625	520	443	450	405	377	332	450	516	555	642	690	670	10698
CHINA, PEOPLE'S REPUB	231	136	138	148	174	247	214	343	441	642	770	929	1055	1037	1240	7745
NETHERLANDS	1898	386	318	304	254	293	238	258	243	349	346	427	500	598	555	6967
ISRAEL	1339	292	311	240	201	239	201	191	226	337	360	426	522	659	622	6166
AUSTRIA	1456	260	309	257	221	250	198	183	192	266	267	298	384	414	387	5342
DENMARK	886	149	198	155	118	141	115	123	103	165	238	285	288	349	362	3675
FINLAND	1192	196	206	195	151	177	110	122	126	171	131	171	174	169	228	3519
BELGIUM	928	169	146	145	144	165	101	124	141	190	174	175	231	278	273	3384
SPAIN	740	164	179	136	137	130	106	99	98	160	167	213	234	267	269	3099
NORWAY	709	132	141	104	96	111	88	85	104	160	131	164	171	211	252	2659
CHINA, HONG KONG S.A.	477	132	149	145	114	112	136	116	100	164	135	180	191	184	209	2544
SINGAPORE	201	67	72	80	66	74	66	56	71	95	78	81	92	131	138	1368
NEW ZEALAND	320	74	70	80	75	65	49	43	40	70	63	83	95	111	121	1359
BRAZIL	328	53	78	55	40	65	42	51	29	58	93	83	105	125	134	1339
IRELAND	235	38	50	48	54	55	33	26	42	66	86	84	124	110	115	1166
SOUTH AFRICA	363	48	64	54	45	59	40	47	47	56	56	61	61	69	61	1131
INDIA	50	15	21	38	23	29	43	30	36	47	74	122	165	187	244	1124
RUSSIAN FEDERATION	274	50	53	47	30	45	45	34	36	47	57	60	74	71	78	1001
MEXICO	204	59	41	43	39	31	22	27	22	35	33	41	69	65	75	806
ARGENTINA	175	38	44	27	20	14	18	21	18	22	17	26	23	30	19	512
MALAYSIA	69	23	15	27	21	18	23	22	15	29	21	30	34	35	36	418
SAUDI ARABIA	49	5	5	7	7	4	9	13	5	9	16	43	63	72	88	395
LUXEMBOURG	108	19	22	26	23	15	14	17	18	19	19	22	26	19	26	393
CZECH REPUBLIC	49	8	14	8	10	12	8	12	8	18	18	21	32	26	26	270
POLAND	33	2	11	4	9	10	9	19	7	9	15	20	27	37	58	270
KUWAIT	20	5	6	4	2	4	4	13	10	7	9	21	54	67	44	270
Others ( 119 )	856	171	196	158	144	170	129	158	159	212	250	263	320	386	439	4011
<b>Ownership:</b>																
U.S. Corporations	119616	22056	22874	20429	18459	20355	17637	16400	16962	23605	24346	27113	30264	32266	32587	444969
U.S. Government	1416	287	263	219	175	183	159	174	153	172	200	236	229	209	210	4285
U.S. Individuals	65787	10035	9498	8442	7233	7941	6490	5849	5607	7322	7016	7515	8246	8775	8759	174515
Foreign Corporations	103388	21718	21971	20375	17773	20094	17738	17984	17886	23551	24068	27060	29119	32148	33133	428006
Foreign Government	263	16	14	18	8	10	2	7	11	16	16	23	14	40	40	498
Foreign Individuals	23480	4229	4034	3571	2874	2939	2522	2189	1953	2480	2408	2810	2971	2938	2924	64322

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1996 - Dec 31, 2015) ----

	PERCENT OF PATENTS															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
<b>Total</b>	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	58	54	55	54	54	54	53	51	52	53	53	53	53	53	52	55
Foreign Origin	42	46	45	46	46	46	47	49	48	47	47	47	47	47	48	45
JAPAN	14	16	16	16	16	16	17	18	17	16	16	15	15	15	15	15
GERMANY	8	9	8	8	8	8	8	8	8	8	7	8	8	8	8	8
TAIWAN	3	4	4	5	4	5	4	4	4	4	4	4	3	3	3	4
CANADA	3	3	3	3	3	3	3	2	3	2	2	2	2	2	2	3
FRANCE	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	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	2	2	2	2	2	2	2	2	2	2	3	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	2	1	2	2	1	1	1	1	1
SWEDEN	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	2	1
NETHERLANDS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ISRAEL		1	1						1	1	1	1	1	1	1	1
AUSTRIA			1										1	1		0
DENMARK																0
FINLAND																0
BELGIUM																0
SPAIN																0
NORWAY																0
CHINA, HONG KONG S.A.																0
SINGAPORE																0
NEW ZEALAND																0
BRAZIL																0
IRELAND																0
SOUTH AFRICA																0
INDIA																0
RUSSIAN FEDERATION																0
MEXICO																0
ARGENTINA																0
MALAYSIA																0
SAUDI ARABIA																0
LUXEMBOURG																0
CZECH REPUBLIC																0
POLAND																0
KUWAIT																0
Others ( 119 )														1	1	0
<b>Ownership:</b>																
U.S. Corporations	38	38	39	39	40	40	40	38	40	41	42	42	43	42	42	40
U.S. Government																0
U.S. Individuals	21	17	16	16	16	15	15	14	13	13	12	12	12	11	11	16
Foreign Corporations	33	37	37	38	38	39	40	42	42	41	41	42	41	42	43	38
Foreign Government																0
Foreign Individuals	7	7	7	7	6	6	6	5	5	4	4	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, 1996 - Dec 31, 2015) ----

	NUMBER OF PATENTED APPLICATIONS															
	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
<b>Total</b>	441978	67636	65717	60928	57968	56692	57219	55967	54206	55120	53480	46027	30897	11719	1041	1116595
U.S. Origin	251546	35318	34961	32012	30195	28847	29568	27885	27381	28821	28901	26536	18787	7163	671	608592
Foreign Origin	190432	32318	30756	28916	27773	27845	27651	28082	26825	26299	24579	19491	12110	4556	370	508003
JAPAN	64179	10146	10078	10060	9869	9773	9366	9411	8464	7888	8042	6668	4354	1890	176	170364
GERMANY	36020	6043	5470	4861	4779	4492	4640	4636	4350	4111	3801	2795	1449	425	14	87886
TAIWAN	14180	2680	2797	2475	2157	2315	2112	2151	2226	2259	2125	1912	1481	545	24	41439
CANADA	11621	1694	1629	1576	1422	1398	1402	1346	1291	1436	1347	1069	775	256	14	28276
FRANCE	10711	1752	1538	1416	1374	1444	1336	1499	1496	1383	1117	772	380	114	8	26340
UNITED KINGDOM	9977	1601	1545	1232	1113	1116	1244	1317	1268	1299	1091	782	416	144	18	24163
KOREA, SOUTH	4888	1163	1292	1285	1293	1263	1259	1359	1328	1306	1272	1013	758	251	26	19756
ITALY	6069	1070	995	832	833	797	882	730	739	743	679	478	247	78	1	15173
SWITZERLAND	4812	727	667	628	590	651	670	581	627	656	571	433	214	75	6	11908
AUSTRALIA	3357	754	694	910	808	697	774	920	665	578	395	282	163	62	8	11067
SWEDEN	4903	854	664	503	541	553	574	499	461	374	375	230	130	35	2	10698
CHINA, PEOPLE'S REPUB	480	216	213	315	326	474	563	721	949	1078	973	795	455	170	17	7745
NETHERLANDS	2784	461	411	397	356	366	378	370	361	346	302	249	125	56	5	6967
ISRAEL	2123	353	299	305	344	330	357	346	360	373	366	313	202	85	10	6166
AUSTRIA	2047	428	336	298	241	286	292	265	276	291	247	183	112	39	1	5342
DENMARK	1319	245	230	187	197	180	197	224	272	226	168	139	65	23	3	3675
FINLAND	1686	269	215	176	163	201	137	140	126	128	125	88	51	14		3519
BELGIUM	1306	226	234	151	191	225	187	157	183	187	148	103	58	24	4	3384
SPAIN	1129	188	189	159	172	172	150	176	155	208	174	137	74	16		3099
NORWAY	1035	211	162	158	120	153	127	163	135	153	125	76	27	14		2659
CHINA, HONG KONG S.A.	745	179	173	159	157	115	165	142	139	169	147	129	89	34	2	2544
SINGAPORE	366	114	87	92	91	85	75	83	87	75	78	80	44	11		1368
NEW ZEALAND	526	103	113	78	74	69	67	62	67	66	60	35	28	8	3	1359
BRAZIL	472	96	70	81	46	67	69	101	84	88	68	59	24	14		1339
IRELAND	355	92	72	53	67	66	64	69	82	85	72	57	28	4		1166
SOUTH AFRICA	515	86	70	83	44	51	52	40	57	43	40	33	13	2	2	1131
INDIA	86	50	47	49	51	45	73	92	106	167	145	131	60	20	2	1124
RUSSIAN FEDERATION	396	78	70	38	31	51	56	57	46	63	56	32	15	12		1001
MEXICO	316	46	49	31	34	40	26	49	29	48	52	46	26	14		806
ARGENTINA	267	29	23	27	16	26	25	23	19	16	25	9	7			512
MALAYSIA	123	25	29	25	21	24	30	23	28	35	20	17	13	3	2	418
SAUDI ARABIA	59	11	8	11	4	11	14	21	23	54	68	52	34	18	7	395
LUXEMBOURG	158	33	29	19	21	22	23	19	15	20	20	7	6	1		393
POLAND	51	17	10	15	8	18	16	11	15	27	30	29	14	9		270
KUWAIT	28	8	2	4	5	21	9	8	10	27	24	39	45	32	8	270
CZECH REPUBLIC	77	9	19	17	12	14	19	18	20	26	13	12	10	3	1	270
Others ( 119 )	1266	261	227	210	202	234	221	253	266	267	218	207	118	55	6	4011
<b>Ownership:</b>																
U.S. Corporations	170782	25698	26065	23936	23040	22520	23059	22127	21669	22729	22941	20986	14074	4910	433	444969
U.S. Government	1933	264	245	232	222	176	169	159	187	187	188	156	128	33	6	4285
U.S. Individuals	85295	10272	9583	8592	7736	6862	6887	6367	6300	6664	6531	6054	4841	2286	245	174515
Foreign Corporations	151892	26687	25748	24885	24156	24436	24609	25025	23612	23090	21665	17110	10724	4054	313	428006
Foreign Government	293	20	23	10	11	18	12	16	30	24	25	14	2			498
Foreign Individuals	31783	4695	4053	3273	2803	2680	2483	2273	2408	2426	2130	1707	1128	436	44	64322



**Part B**  
**Ranked Listing of Organizations with PATENT GRANTS**  
**As Distributed By Year of Patent Grant**  
**and As Distributed By Year of Patent Application**

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)</b>																	
Patents By Year of Grant:	1630	465	468	493	458	500	412	444	455	599	562	607	612	632	508	8845	
Patents By Year of Application:	2551	630	542	593	559	531	594	630	554	538	409	364	261	87	2	8845	
<b>GENERAL ELECTRIC COMPANY</b>																	
Patents By Year of Grant:	1401	503	403	317	307	338	294	320	359	465	541	721	702	765	753	8189	
Patents By Year of Application:	2354	394	409	448	515	561	419	547	569	628	687	513	128	17	0	8189	
<b>CANON KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	1846	456	445	356	331	340	257	310	336	388	433	483	594	584	624	7783	
Patents By Year of Application:	2892	379	395	341	386	366	403	372	419	462	457	393	325	171	22	7783	
<b>SEIKO EPSON CORPORATION</b>																	
Patents By Year of Grant:	692	227	215	229	235	298	326	299	332	412	498	534	662	810	852	6621	
Patents By Year of Application:	1216	283	351	388	332	408	395	370	461	451	595	508	484	339	40	6621	
<b>ROBERT BOSCH GMBH</b>																	
Patents By Year of Grant:	1481	371	425	513	445	356	262	199	222	246	304	418	402	434	414	6492	
Patents By Year of Application:	2437	663	566	350	326	280	361	368	350	356	221	129	73	12	0	6492	
<b>TOYOTA JIDOSHA K.K.</b>																	
Patents By Year of Grant:	1194	191	180	174	180	265	242	248	267	380	428	497	448	507	470	5671	
Patents By Year of Application:	1595	187	220	319	415	505	507	521	470	360	340	145	50	35	2	5671	
<b>HON HAI PRECISION IND. CO., LTD.</b>																	
Patents By Year of Grant:	922	315	294	326	208	274	194	285	354	485	464	418	362	262	265	5428	
Patents By Year of Application:	1353	366	236	318	190	275	329	476	482	545	374	233	194	53	4	5428	
<b>FORD GLOBAL TECHNOLOGIES, L.L.C.</b>																	
Patents By Year of Grant:	863	257	249	209	168	230	237	240	215	305	291	392	445	484	717	5302	
Patents By Year of Application:	1347	255	216	254	283	334	319	286	282	339	355	461	417	148	6	5302	
<b>GM Global Technology Operations LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	25	143	205	319	541	603	712	809	750	616	4723	
Patents By Year of Application:	0	3	3	17	280	398	584	708	621	630	606	469	345	59	0	4723	
<b>DENSO CORPORATION</b>																	
Patents By Year of Grant:	599	215	263	298	303	319	344	267	253	259	216	181	150	189	176	4032	
Patents By Year of Application:	1061	298	360	374	367	320	312	256	159	141	135	146	79	22	2	4032	
<b>BROTHER KOGYO KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	607	58	50	88	83	132	182	221	253	344	355	340	304	372	337	3726	
Patents By Year of Application:	727	94	156	217	278	362	326	302	228	207	224	236	215	132	22	3726	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>BOEING COMPANY</b>																
Patents By Year of Grant:	412	109	134	212	202	206	192	171	205	255	263	243	275	313	360	3552
Patents By Year of Application:	672	241	266	292	271	280	255	252	224	186	214	222	148	24	5	3552
<b>SAMSUNG ELECTRONICS CO., LTD.</b>																
Patents By Year of Grant:	893	137	115	133	157	237	218	214	170	202	199	197	204	214	200	3490
Patents By Year of Application:	1141	193	291	291	259	228	200	181	181	165	151	110	68	26	5	3490
<b>SIEMENS AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	833	137	161	164	156	207	150	156	160	158	147	199	197	246	278	3349
Patents By Year of Application:	1155	229	238	303	242	178	157	175	178	158	146	127	53	10	0	3349
<b>CATERPILLAR INC.</b>																
Patents By Year of Grant:	1106	201	188	131	108	91	122	119	100	146	172	140	146	229	306	3305
Patents By Year of Application:	1528	179	113	91	150	157	176	218	63	122	182	221	93	12	0	3305
<b>LG ELECTRONICS INC.</b>																
Patents By Year of Grant:	216	81	96	145	139	152	222	223	245	299	248	296	292	282	293	3229
Patents By Year of Application:	408	205	303	320	359	287	288	312	261	171	150	86	58	20	1	3229
<b>HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.</b>																
Patents By Year of Grant:	0	0	352	428	368	289	191	162	172	190	159	144	177	230	189	3051
Patents By Year of Application:	437	462	546	302	262	125	204	146	119	148	128	106	64	2	0	3051
<b>HALLIBURTON ENERGY SERVICES, INC.</b>																
Patents By Year of Grant:	420	129	122	144	133	205	214	154	119	156	138	192	235	314	333	3008
Patents By Year of Application:	677	197	202	259	185	137	153	124	172	227	212	307	137	19	0	3008
<b>INTERNATIONAL BUSINESS MACHINES CORPORATION</b>																
Patents By Year of Grant:	1003	201	209	157	123	104	97	144	117	154	127	135	127	140	149	2987
Patents By Year of Application:	1460	150	155	108	122	116	162	235	84	92	91	136	62	12	2	2987
<b>HITACHI, LTD</b>																
Patents By Year of Grant:	813	231	268	183	202	241	181	149	125	155	140	100	92	61	33	2974
Patents By Year of Application:	1346	236	224	247	177	170	173	162	91	60	48	28	8	3	1	2974
<b>SILVERBROOK RESEARCH PTY. LTD</b>																
Patents By Year of Grant:	77	98	93	93	167	317	331	422	314	498	480	76	6	0	0	2972
Patents By Year of Application:	259	145	207	490	407	268	327	480	234	131	24	0	0	0	0	2972
<b>BAKER HUGHES INCORPORATED</b>																
Patents By Year of Grant:	468	84	99	81	77	92	94	114	173	243	220	251	242	277	335	2850
Patents By Year of Application:	665	121	104	97	132	165	212	275	279	229	324	182	49	16	0	2850

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>SCHLUMBERGER TECHNOLOGY CORPORATION</b>																	
Patents By Year of Grant:	238	112	96	113	91	119	129	154	144	277	276	278	287	262	258	2834	
Patents By Year of Application:	483	153	141	167	162	232	272	309	324	246	164	127	47	7	0	2834	
<b>YAZAKI CORP.</b>																	
Patents By Year of Grant:	1171	194	169	104	85	86	79	100	79	94	57	44	72	122	226	2682	
Patents By Year of Application:	1523	135	77	87	75	96	85	103	84	91	107	80	105	33	1	2682	
<b>DELPHI TECHNOLOGIES, INC.</b>																	
Patents By Year of Grant:	284	407	390	298	234	199	187	174	150	98	64	50	57	42	45	2679	
Patents By Year of Application:	1058	350	299	202	204	159	125	85	46	41	44	31	30	5	0	2679	
<b>XEROX CORPORATION</b>																	
Patents By Year of Grant:	631	170	137	90	80	75	59	75	106	161	179	218	235	240	195	2651	
Patents By Year of Application:	919	126	103	92	139	118	107	140	205	172	162	212	96	56	4	2651	
<b>EASTMAN KODAK COMPANY</b>																	
Patents By Year of Grant:	1032	207	199	148	127	86	65	48	36	71	73	135	142	163	86	2618	
Patents By Year of Application:	1450	196	105	121	53	54	57	77	92	105	101	125	52	30	0	2618	
<b>HYUNDAI MOTOR COMPANY</b>																	
Patents By Year of Grant:	376	113	85	78	82	91	81	80	104	133	189	195	253	366	374	2600	
Patents By Year of Application:	557	121	107	88	108	110	101	199	194	176	235	278	259	67	0	2600	
<b>UNITED TECHNOLOGIES CORPORATION</b>																	
Patents By Year of Grant:	465	51	34	31	55	110	92	94	105	155	178	254	239	302	390	2555	
Patents By Year of Application:	562	58	96	182	147	227	227	147	116	137	258	324	37	33	4	2555	
<b>BOSTON SCIENTIFIC SCIMED, INC.</b>																	
Patents By Year of Grant:	0	3	7	5	66	109	120	134	198	333	367	311	325	338	223	2539	
Patents By Year of Application:	91	159	305	295	289	226	176	191	167	184	189	167	83	16	1	2539	
<b>GENERAL MOTORS CORPORATION</b>																	
Patents By Year of Grant:	1160	112	200	255	240	291	176	66	21	2	0	0	0	0	0	2523	
Patents By Year of Application:	1400	330	311	346	116	17	2	1	0	0	0	0	0	0	0	2523	
<b>HONEYWELL INTERNATIONAL INC.</b>																	
Patents By Year of Grant:	60	94	117	134	159	197	162	191	174	192	187	235	168	158	187	2415	
Patents By Year of Application:	296	157	220	269	250	198	211	233	144	131	141	112	47	5	1	2415	
<b>PROCTER + GAMBLE COMPANY</b>																	
Patents By Year of Grant:	659	128	127	100	84	89	63	62	64	129	146	173	184	196	187	2391	
Patents By Year of Application:	1003	111	129	114	135	129	123	88	97	118	140	107	73	24	0	2391	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>INTERNATIONAL GAME TECHNOLOGY (IGT)</b>																
Patents By Year of Grant:	40	35	68	101	98	71	90	118	119	244	255	255	319	308	233	2354
Patents By Year of Application:	284	171	181	195	170	234	218	146	77	62	203	194	180	30	9	2354
<b>MITSUBISHI DENKI KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	776	171	145	133	106	106	84	70	89	106	94	96	97	121	156	2350
Patents By Year of Application:	1093	171	111	162	93	136	102	98	132	101	85	42	17	7	0	2350
<b>NISSAN MOTOR COMPANY, LIMITED</b>																
Patents By Year of Grant:	732	141	156	149	156	176	155	112	125	110	75	55	57	64	67	2330
Patents By Year of Application:	1014	181	164	229	209	126	115	99	43	43	52	32	23	0	0	2330
<b>ILLINOIS TOOL WORKS INC.</b>																
Patents By Year of Grant:	505	92	138	139	194	111	135	124	111	117	125	93	124	126	125	2259
Patents By Year of Application:	771	197	184	142	159	138	145	118	115	115	73	58	31	12	1	2259
<b>DEERE + COMPANY</b>																
Patents By Year of Grant:	423	106	141	139	119	110	112	112	122	153	145	141	145	128	128	2224
Patents By Year of Application:	681	151	137	121	160	159	129	162	128	118	131	79	58	10	0	2224
<b>MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.</b>																
Patents By Year of Grant:	769	165	183	218	168	178	159	120	10	5	1	0	0	0	0	1976
Patents By Year of Application:	1214	228	226	169	103	30	4	2	0	0	0	0	0	0	0	1976
<b>RICOH COMPANY, LTD.</b>																
Patents By Year of Grant:	181	44	43	41	40	66	41	82	86	122	156	185	226	301	322	1936
Patents By Year of Application:	281	60	75	61	90	121	114	137	126	152	188	222	199	102	8	1936
<b>HEWLETT-PACKARD COMPANY</b>																
Patents By Year of Grant:	1330	381	165	0	1	1	0	0	0	0	0	0	0	0	0	1878
Patents By Year of Application:	1862	15	0	1	0	0	0	0	0	0	0	0	0	0	0	1878
<b>TOSHIBA CORPORATION</b>																
Patents By Year of Grant:	463	84	62	59	53	64	83	72	66	133	153	165	114	136	146	1853
Patents By Year of Application:	627	65	78	88	104	103	98	177	128	131	113	75	39	26	1	1853
<b>KIMBERLY-CLARK WORLDWIDE, INC.</b>																
Patents By Year of Grant:	371	107	171	144	115	101	62	61	89	126	96	128	97	90	68	1826
Patents By Year of Application:	824	181	126	115	118	88	70	68	42	65	44	54	28	3	0	1826
<b>SUMITOMO WIRING SYSTEMS, LTD.</b>																
Patents By Year of Grant:	627	144	131	127	90	114	88	55	61	60	40	70	70	71	67	1815
Patents By Year of Application:	853	123	127	92	80	77	62	73	60	56	81	76	46	9	0	1815

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>UNITED STATES OF AMERICA, NAVY</b>																	
Patents By Year of Grant:	604	141	137	86	75	72	69	56	61	74	95	95	90	79	78	1812	
Patents By Year of Application:	847	109	100	101	74	64	81	64	97	67	84	56	52	14	2	1812	
<b>3M INNOVATIVE PROPERTIES COMPANY</b>																	
Patents By Year of Grant:	249	102	106	105	100	130	130	95	82	133	98	81	137	125	126	1799	
Patents By Year of Application:	533	139	145	133	151	106	116	104	115	101	65	51	26	11	3	1799	
<b>Covidien LP</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	52	585	527	625	1790	
Patents By Year of Application:	0	2	7	10	9	37	54	112	200	296	365	378	213	90	17	1790	
<b>YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD.</b>																	
Patents By Year of Grant:	517	58	44	34	36	55	73	86	127	146	150	143	65	75	83	1692	
Patents By Year of Application:	624	57	50	65	123	132	163	138	143	44	27	50	50	26	0	1692	
<b>MEDTRONIC INC.</b>																	
Patents By Year of Grant:	421	62	89	62	69	58	70	50	61	98	121	119	119	116	113	1628	
Patents By Year of Application:	643	95	125	100	81	86	87	60	92	91	85	44	30	9	0	1628	
<b>ETHICON ENDO-SURGERY, INC.</b>																	
Patents By Year of Grant:	248	29	30	12	15	45	38	63	79	180	137	156	205	200	190	1627	
Patents By Year of Application:	332	22	69	69	155	165	187	119	93	166	147	66	26	10	1	1627	
<b>AISIN SEIKI KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	498	91	70	73	59	56	58	64	72	76	60	79	106	113	123	1598	
Patents By Year of Application:	669	76	65	72	74	91	68	61	76	88	92	84	52	29	1	1598	
<b>SONY CORPORATION</b>																	
Patents By Year of Grant:	487	81	90	67	70	80	77	67	65	97	88	87	67	70	56	1549	
Patents By Year of Application:	693	71	90	91	98	82	90	87	73	47	64	46	11	6	0	1549	
<b>NIKE, INC.</b>																	
Patents By Year of Grant:	44	16	15	16	35	53	34	39	62	109	156	192	234	272	264	1541	
Patents By Year of Application:	80	32	52	73	65	77	109	117	156	205	225	204	112	32	2	1541	
<b>mitsubishi Heavy Industries, Ltd.</b>																	
Patents By Year of Grant:	290	90	92	82	69	37	39	38	43	55	63	135	174	181	139	1527	
Patents By Year of Application:	473	133	58	47	38	73	87	162	152	124	107	50	22	1	0	1527	
<b>ZF Friedrichshafen, AG</b>																	
Patents By Year of Grant:	166	30	38	51	50	72	87	89	85	123	118	151	187	134	135	1516	
Patents By Year of Application:	237	83	95	115	111	126	159	145	108	129	72	68	56	11	1	1516	



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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>Fujifilm Corporation</b>																
Patents By Year of Grant:	0	0	0	0	0	0	109	166	176	173	135	199	211	216	121	1506
Patents By Year of Application:	3	6	26	99	198	196	133	107	209	161	156	109	72	27	4	1506
<b>SCI-MED LIFE SYSTEMS, INC.</b>																
Patents By Year of Grant:	490	191	273	207	108	95	49	21	14	7	13	5	3	0	0	1476
Patents By Year of Application:	1135	176	101	39	12	4	4	2	0	2	1	0	0	0	0	1476
<b>DAIMLER-CHRYSLER AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	595	197	169	153	96	119	82	31	1	0	0	0	0	0	0	1443
Patents By Year of Application:	988	187	103	75	65	24	1	0	0	0	0	0	0	0	0	1443
<b>HEIDELBERGER DRUCKMASCHINEN AG</b>																
Patents By Year of Grant:	564	122	186	160	63	31	37	39	33	28	35	32	30	40	31	1431
Patents By Year of Application:	949	114	61	39	50	33	45	33	45	16	18	13	8	7	0	1431
<b>BLACK &amp; DECKER INC.</b>																
Patents By Year of Grant:	286	52	60	57	53	104	106	98	85	103	95	73	94	70	49	1385
Patents By Year of Application:	416	87	97	124	112	92	115	79	63	75	47	42	32	4	0	1385
<b>MICRON TECHNOLOGY, INC.</b>																
Patents By Year of Grant:	418	190	164	121	115	131	74	42	27	21	19	14	13	11	10	1370
Patents By Year of Application:	840	165	107	69	60	50	18	18	5	13	12	6	4	3	0	1370
<b>SHIMANO INC.</b>																
Patents By Year of Grant:	343	82	77	47	78	89	61	62	60	83	58	45	66	82	98	1331
Patents By Year of Application:	500	75	95	91	96	83	69	63	52	38	59	68	32	10	0	1331
<b>EATON CORPORATION</b>																
Patents By Year of Grant:	473	65	66	52	61	59	55	43	52	62	59	59	76	68	71	1321
Patents By Year of Application:	592	77	63	68	87	63	61	48	84	45	58	31	38	6	0	1321
<b>TYCO ELECTRONICS CORPORATION</b>																
Patents By Year of Grant:	25	35	63	82	60	86	66	73	100	135	153	110	124	105	104	1321
Patents By Year of Application:	109	101	72	62	67	65	116	140	138	137	122	102	58	31	1	1321
<b>ROLLS-ROYCE PLC</b>																
Patents By Year of Grant:	164	33	50	37	40	74	60	62	48	93	97	121	135	164	135	1313
Patents By Year of Application:	253	51	63	88	107	79	102	81	124	147	99	88	24	7	0	1313
<b>APPLIED MATERIALS, INC.</b>																
Patents By Year of Grant:	326	104	112	75	64	98	68	52	50	67	63	53	59	45	67	1303
Patents By Year of Application:	593	83	81	55	76	74	75	71	54	31	35	32	36	6	1	1303

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>FUJI PHOTO FILM CO., LTD</b>																	
Patents By Year of Grant:	447	126	138	176	139	147	64	6	6	2	1	0	0	0	0	1252	
Patents By Year of Application:	727	200	188	90	34	10	1	2	0	0	0	0	0	0	0	1252	
<b>NSK LTD.</b>																	
Patents By Year of Grant:	364	99	85	94	79	75	73	73	34	26	24	27	33	65	79	1230	
Patents By Year of Application:	585	118	126	87	58	43	42	17	4	14	52	67	13	4	0	1230	
<b>MOLEX INCORPORATED</b>																	
Patents By Year of Grant:	476	60	32	79	63	77	42	50	25	43	58	32	68	55	62	1222	
Patents By Year of Application:	580	58	84	76	69	51	45	41	60	45	36	41	26	9	1	1222	
<b>Warsaw Orthopedic, Inc.</b>																	
Patents By Year of Grant:	0	0	0	0	0	6	48	51	102	175	219	180	176	126	111	1194	
Patents By Year of Application:	21	27	89	108	134	230	96	65	84	143	109	51	33	4	0	1194	
<b>ACUSHNET COMPANY</b>																	
Patents By Year of Grant:	83	27	57	56	52	65	57	52	62	89	113	135	97	104	106	1155	
Patents By Year of Application:	173	69	66	74	69	43	57	97	122	90	115	79	74	26	1	1155	
<b>NTN CORPORATION</b>																	
Patents By Year of Grant:	190	41	49	47	39	60	38	36	58	78	84	126	114	90	99	1149	
Patents By Year of Application:	298	61	59	89	75	101	77	101	75	59	76	55	16	7	0	1149	
<b>LOCKHEED MARTIN CORPORATION</b>																	
Patents By Year of Grant:	193	79	93	63	52	56	61	50	54	75	77	98	93	55	49	1148	
Patents By Year of Application:	370	91	78	61	78	78	50	87	95	55	50	36	14	4	1	1148	
<b>Hong Fu Jin Precision Industry (Shenzhen) Co., Ltd.</b>																	
Patents By Year of Grant:	0	0	0	0	0	3	23	33	67	131	168	224	259	123	79	1110	
Patents By Year of Application:	0	0	1	16	23	61	86	130	220	212	194	117	39	11	0	1110	
<b>TOKYO ELECTRON LIMITED</b>																	
Patents By Year of Grant:	257	81	63	62	37	42	31	42	54	68	78	68	85	61	72	1101	
Patents By Year of Application:	444	52	58	55	49	64	76	61	42	60	60	54	23	3	0	1101	
<b>Panasonic Corporation</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	11	117	148	161	232	208	181	19	1077	
Patents By Year of Application:	1	4	23	56	111	124	161	140	147	136	86	69	15	4	0	1077	
<b>SOCIETE NATIONALE D'ETUDE ET DE CONSTRUCTION DE MOTEURS D'AVIATION "S.N.E.C.M.A."</b>																	
Patents By Year of Grant:	198	10	3	0	0	1	19	54	86	98	98	132	86	136	149	1070	
Patents By Year of Application:	211	0	3	14	92	96	113	147	146	101	87	45	11	3	1	1070	



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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>BECTON, DICKINSON AND COMPANY</b>																	
Patents By Year of Grant:	311	35	60	45	32	44	28	31	27	44	50	44	70	71	77	969	
Patents By Year of Application:	428	57	86	39	36	27	57	37	64	49	40	27	21	1	0	969	
<b>GOODYEAR TIRE + RUBBER COMPANY</b>																	
Patents By Year of Grant:	209	111	91	70	66	62	30	33	46	32	41	37	45	46	50	969	
Patents By Year of Application:	438	87	77	48	52	23	45	47	30	38	38	23	20	3	0	969	
<b>SUMITOMO RUBBER INDUSTRIES, LTD.</b>																	
Patents By Year of Grant:	277	60	85	89	54	46	44	30	34	33	31	26	33	52	70	964	
Patents By Year of Application:	468	80	59	45	54	49	28	32	25	27	40	41	12	4	0	964	
<b>ADVANCED CARDIOVASCULAR SYSTEMS, INC.</b>																	
Patents By Year of Grant:	234	86	154	85	57	47	38	33	32	43	33	37	31	7	8	925	
Patents By Year of Application:	589	85	71	35	25	36	14	20	10	21	10	6	3	0	0	925	
<b>SHELL OIL COMPANY</b>																	
Patents By Year of Grant:	142	32	42	87	66	114	58	58	57	43	34	48	49	47	39	916	
Patents By Year of Application:	322	140	50	73	45	50	59	63	38	26	28	15	6	1	0	916	
<b>KONINKLIJKE PHILIPS ELECTRONICS N.V.</b>																	
Patents By Year of Grant:	1	100	163	112	52	40	32	34	51	63	82	116	61	1	3	911	
Patents By Year of Application:	293	146	86	81	66	84	81	33	30	4	4	3	0	0	0	911	
<b>UNI-CHARM CORPORATION</b>																	
Patents By Year of Grant:	114	71	77	47	23	47	57	40	39	60	41	58	63	58	110	905	
Patents By Year of Application:	312	49	38	64	74	46	58	61	50	64	67	12	9	1	0	905	
<b>SANYO ELECTRIC CO., LTD.</b>																	
Patents By Year of Grant:	267	48	44	38	35	66	56	57	53	44	56	62	39	29	7	901	
Patents By Year of Application:	351	63	62	75	85	49	54	58	39	38	15	8	3	1	0	901	
<b>OLYMPUS CORPORATION</b>																	
Patents By Year of Grant:	0	0	0	50	54	76	67	63	67	113	114	77	63	65	90	899	
Patents By Year of Application:	32	76	109	136	93	134	79	48	37	44	32	30	30	18	1	899	
<b>LEXMARK INTERNATIONAL, INC.</b>																	
Patents By Year of Grant:	211	57	65	53	43	46	70	56	41	80	62	61	31	11	10	897	
Patents By Year of Application:	325	66	74	97	65	46	75	53	22	32	24	10	7	1	0	897	
<b>KOMATSU LTD.</b>																	
Patents By Year of Grant:	207	50	57	41	49	46	38	26	25	44	42	42	47	83	97	894	
Patents By Year of Application:	326	50	61	69	46	45	31	41	28	24	33	91	42	7	0	894	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>WMS GAMING, INC.</b>																
Patents By Year of Grant:	21	9	18	10	9	16	10	33	24	47	49	202	182	163	100	893
Patents By Year of Application:	61	29	52	37	75	73	117	95	74	68	61	87	57	7	0	893
<b>BRIDGESTONE CORPORATION</b>																
Patents By Year of Grant:	276	53	43	39	29	24	20	27	26	35	53	49	39	72	103	888
Patents By Year of Application:	414	41	35	37	48	55	58	43	46	55	26	23	5	2	0	888
<b>INTEL CORPORATION</b>																
Patents By Year of Grant:	130	49	83	71	80	90	83	65	46	49	22	31	22	24	34	879
Patents By Year of Application:	312	81	114	82	70	49	48	37	15	17	16	25	12	1	0	879
<b>TOYODA GOSEI KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	202	48	44	40	46	45	62	46	52	62	60	33	51	42	38	871
Patents By Year of Application:	302	55	51	68	59	47	54	47	52	22	32	29	30	22	1	871
<b>RAYTHEON COMPANY</b>																
Patents By Year of Grant:	117	35	38	21	34	36	28	21	32	54	102	92	109	83	63	865
Patents By Year of Application:	187	40	45	42	39	49	61	89	86	87	67	43	26	4	0	865
<b>VISTEON GLOBAL TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	122	113	165	165	101	63	39	21	18	17	7	8	8	4	2	853
Patents By Year of Application:	422	173	108	53	29	20	20	14	3	3	4	2	2	0	0	853
<b>HILTI AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	206	49	67	62	51	65	40	33	29	36	48	34	37	46	45	848
Patents By Year of Application:	315	80	66	65	43	37	46	57	37	26	36	31	6	2	1	848
<b>INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN</b>																
Patents By Year of Grant:	210	51	53	35	30	47	41	24	42	51	43	41	47	43	43	801
Patents By Year of Application:	310	49	56	51	33	48	38	38	54	37	30	34	20	3	0	801
<b>FORD MOTOR COMPANY</b>																
Patents By Year of Grant:	629	10	16	17	17	19	15	16	14	15	9	7	2	3	4	793
Patents By Year of Application:	651	27	19	24	15	18	25	5	0	3	1	2	2	1	0	793
<b>CNH AMERICA LLC</b>																
Patents By Year of Grant:	0	0	0	19	80	83	102	72	96	100	91	69	53	26	0	791
Patents By Year of Application:	4	30	80	108	92	84	98	92	77	67	33	24	2	0	0	791
<b>NEC CORPORATION</b>																
Patents By Year of Grant:	466	98	45	19	28	15	16	10	7	14	7	16	10	15	20	786
Patents By Year of Application:	617	29	18	24	14	14	9	16	13	15	11	4	1	1	0	786

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	Pre	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>L'OREAL S.A.</b>																	
Patents By Year of Grant:	270	53	44	38	26	43	29	35	39	46	35	35	25	31	34	783	
Patents By Year of Application:	403	55	53	53	49	41	29	18	28	29	15	5	4	1	0	783	
<b>BORGWARNER INC.</b>																	
Patents By Year of Grant:	74	43	50	56	67	66	45	30	33	26	38	48	70	54	82	782	
Patents By Year of Application:	172	43	109	61	66	52	73	35	54	54	28	11	9	4	11	782	
<b>KAWASAKI JUKOGYO KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	78	34	40	43	54	50	35	45	35	49	33	57	70	82	75	780	
Patents By Year of Application:	139	55	73	48	44	70	44	40	62	77	67	33	25	3	0	780	
<b>Cook Medical Technologies LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	90	147	163	179	200	779	
Patents By Year of Application:	0	0	6	17	34	60	83	105	107	103	91	105	58	10	0	779	
<b>JTEKT Corporation</b>																	
Patents By Year of Grant:	0	0	0	0	0	2	27	38	71	78	90	105	118	128	115	772	
Patents By Year of Application:	0	2	13	36	73	73	108	99	77	51	61	60	85	32	2	772	
<b>TAKATA CORPORATION</b>																	
Patents By Year of Grant:	111	48	45	52	37	51	59	80	68	73	43	19	24	37	24	771	
Patents By Year of Application:	222	53	74	65	58	106	40	44	24	22	24	28	9	1	1	771	
<b>CALLAWAY GOLF COMPANY</b>																	
Patents By Year of Grant:	54	66	61	41	50	70	50	57	45	34	28	42	53	69	49	769	
Patents By Year of Application:	157	62	55	57	46	42	59	25	33	43	55	48	52	33	2	769	
<b>ALSTOM TECHNOLOGY LTD</b>																	
Patents By Year of Grant:	0	0	0	48	40	57	44	44	58	61	61	61	80	93	110	757	
Patents By Year of Application:	21	40	52	83	43	76	68	63	78	79	77	59	15	3	0	757	
<b>SHARP KABUSHIKI KAISHA (SHARP CORPORATION)</b>																	
Patents By Year of Grant:	206	35	31	38	39	30	41	48	39	56	46	37	41	31	34	752	
Patents By Year of Application:	292	44	73	69	35	46	40	26	43	32	24	22	3	3	0	752	
<b>BRIDGESTONE SPORTS CO., LTD.</b>																	
Patents By Year of Grant:	166	39	45	38	25	41	47	43	58	55	39	34	30	56	31	747	
Patents By Year of Application:	266	39	32	39	55	56	62	33	50	37	32	29	15	2	0	747	
<b>BOSCH SIEMENS HAUSGERATE GMBH</b>																	
Patents By Year of Grant:	61	16	20	25	34	47	40	21	20	47	64	72	108	90	80	745	
Patents By Year of Application:	87	40	78	117	69	87	63	67	65	27	26	13	3	3	0	745	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>MATTEL INC.</b>																
Patents By Year of Grant:	126	36	45	41	34	28	30	27	43	51	52	71	58	45	56	743
Patents By Year of Application:	208	51	43	45	38	62	59	32	45	48	55	31	17	9	0	743
<b>ETHICON, INC.</b>																
Patents By Year of Grant:	258	40	65	43	25	44	32	12	26	22	20	23	34	63	33	740
Patents By Year of Application:	403	59	57	28	30	13	17	29	27	31	14	17	14	1	0	740
<b>PRATT &amp; WHITNEY CANADA CORP.</b>																
Patents By Year of Grant:	69	15	25	22	26	46	50	35	64	65	44	81	60	61	76	739
Patents By Year of Application:	115	30	38	64	59	104	61	50	61	36	51	49	18	3	0	739
<b>MAZDA MOTOR CORPORATION</b>																
Patents By Year of Grant:	204	36	31	37	29	29	30	35	36	46	32	39	59	47	48	738
Patents By Year of Application:	268	36	39	42	34	40	46	39	38	38	53	33	23	8	1	738
<b>FUJI XEROX CO., LTD.</b>																
Patents By Year of Grant:	103	25	30	32	28	30	43	54	49	64	73	73	54	41	36	735
Patents By Year of Application:	166	32	54	43	69	72	50	42	66	37	46	28	16	13	1	735
<b>OTIS ELEVATOR COMPANY</b>																
Patents By Year of Grant:	312	58	25	15	11	16	15	24	33	34	31	40	33	38	33	718
Patents By Year of Application:	413	25	55	47	41	31	25	33	29	10	3	5	1	0	0	718
<b>BRUNSWICK CORPORATION</b>																
Patents By Year of Grant:	218	45	34	37	39	49	45	33	34	32	34	15	23	33	41	712
Patents By Year of Application:	289	42	39	56	45	37	50	31	20	21	25	27	25	5	0	712
<b>DAIMLERCHRYSLER CORPORATION</b>																
Patents By Year of Grant:	309	112	50	69	65	67	34	0	0	0	0	0	0	0	0	706
Patents By Year of Application:	465	67	84	52	34	4	0	0	0	0	0	0	0	0	0	706
<b>DANA CORPORATION</b>																
Patents By Year of Grant:	400	63	57	56	46	39	29	11	0	0	0	0	0	0	0	701
Patents By Year of Application:	538	54	67	18	22	2	0	0	0	0	0	0	0	0	0	701
<b>SMITH INTERNATIONAL INC.</b>																
Patents By Year of Grant:	111	32	50	36	22	32	36	54	29	63	48	28	43	55	49	688
Patents By Year of Application:	213	39	38	41	46	48	46	58	31	60	36	16	13	3	0	688
<b>UNIVERSITY OF CALIFORNIA, THE REGENTS OF</b>																
Patents By Year of Grant:	241	59	46	32	43	31	30	12	15	21	30	21	28	32	41	682
Patents By Year of Application:	356	58	45	34	20	25	27	10	30	21	22	17	13	3	1	682

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	Pre	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>BAXTER INTERNATIONAL INC.</b>																	
Patents By Year of Grant:	254	25	34	27	32	29	15	9	14	26	39	41	49	40	42	676	
Patents By Year of Application:	339	60	24	9	11	37	40	25	23	33	30	25	19	1	0	676	
<b>HAMILTON SUNDRAM CORPORATION</b>																	
Patents By Year of Grant:	26	8	13	15	14	19	18	20	22	25	37	73	101	133	147	671	
Patents By Year of Application:	43	26	20	34	38	19	28	35	78	104	93	113	36	4	0	671	
<b>EBARA CORPORATION</b>																	
Patents By Year of Grant:	233	73	49	41	36	43	31	17	14	18	24	23	22	13	22	659	
Patents By Year of Application:	381	44	48	31	23	17	20	25	23	15	10	7	6	9	0	659	
<b>CHRYSLER MOTORS CORPORATION</b>																	
Patents By Year of Grant:	639	4	0	0	0	0	0	0	0	0	0	0	0	0	0	643	
Patents By Year of Application:	643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	643	
<b>NINTENDO CO., LTD.</b>																	
Patents By Year of Grant:	52	22	14	12	11	13	11	14	25	54	56	82	88	108	72	634	
Patents By Year of Application:	107	14	24	46	53	86	34	33	53	34	65	44	34	6	1	634	
<b>LUCENT TECHNOLOGIES INC.</b>																	
Patents By Year of Grant:	546	39	12	12	6	5	6	6	0	0	0	0	0	0	0	632	
Patents By Year of Application:	602	8	10	6	2	4	0	0	0	0	0	0	0	0	0	632	
<b>OLYMPUS MEDICAL SYSTEMS CORP.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	2	36	62	136	167	159	67	630	
Patents By Year of Application:	0	0	0	0	8	73	86	134	64	60	61	74	59	11	0	630	
<b>TRW INC.</b>																	
Patents By Year of Grant:	458	67	52	26	15	7	1	1	0	0	0	0	0	0	0	627	
Patents By Year of Application:	595	31	1	0	0	0	0	0	0	0	0	0	0	0	0	627	
<b>DePuy Synthes Products, LLC.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	153	223	249	625	
Patents By Year of Application:	1	0	2	15	20	35	38	32	56	80	100	109	108	28	1	625	
<b>SOUTHPAC TRUST INTERNATIONAL, INC.</b>																	
Patents By Year of Grant:	391	101	87	43	3	0	0	0	0	0	0	0	0	0	0	625	
Patents By Year of Application:	521	73	31	0	0	0	0	0	0	0	0	0	0	0	0	625	
<b>INVENTIO AG</b>																	
Patents By Year of Grant:	116	36	33	24	27	34	39	47	33	40	25	26	34	49	51	614	
Patents By Year of Application:	179	44	39	66	52	30	57	32	35	25	32	19	4	0	0	614	



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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>MURATA MANUFACTURING CO., LTD.</b>																
Patents By Year of Grant:	202	32	65	64	32	31	7	15	16	19	21	25	18	32	29	608
Patents By Year of Application:	339	43	26	32	12	7	11	28	30	20	27	21	10	1	1	608
<b>DAIKIN INDUSTRIES LIMITED</b>																
Patents By Year of Grant:	88	14	23	18	18	26	21	26	39	59	60	61	57	41	56	607
Patents By Year of Application:	129	32	56	52	61	54	62	72	34	25	16	10	3	1	0	607
<b>HILL-ROM SERVICES, INC.</b>																
Patents By Year of Grant:	18	52	53	66	30	39	26	32	37	42	43	41	46	45	32	602
Patents By Year of Application:	143	73	34	29	40	43	46	19	37	58	36	20	16	8	0	602
<b>SUMITOMO ELECTRIC INDUSTRIES, LTD.</b>																
Patents By Year of Grant:	225	28	35	31	34	34	38	27	21	24	16	13	25	24	23	598
Patents By Year of Application:	293	42	42	29	33	29	32	23	11	18	23	16	5	2	0	598
<b>BAYERISCHE MOTOREN WERKE AG</b>																
Patents By Year of Grant:	152	44	33	27	29	27	20	36	34	29	30	21	31	36	41	590
Patents By Year of Application:	242	34	19	20	22	47	37	23	31	22	22	32	26	13	0	590
<b>AIRBUS OPERATIONS GMBH</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	19	86	166	168	149	589
Patents By Year of Application:	0	0	0	0	2	34	54	94	128	85	70	93	23	5	1	589
<b>C. R. BARD, INC.</b>																
Patents By Year of Grant:	123	19	15	22	13	10	10	13	21	28	48	75	56	69	64	586
Patents By Year of Application:	188	23	20	40	25	43	42	39	40	30	30	38	22	6	0	586
<b>SUZUKI MOTOR CORPORATION</b>																
Patents By Year of Grant:	170	32	39	19	27	28	11	8	7	18	10	34	48	70	61	582
Patents By Year of Application:	236	27	27	28	11	5	13	20	13	40	60	50	45	7	0	582
<b>TETRA LAVAL HOLDINGS &amp; FINANCE S.A.</b>																
Patents By Year of Grant:	271	38	24	27	22	31	7	15	15	24	13	12	25	23	33	580
Patents By Year of Application:	346	42	42	19	14	25	16	16	22	14	13	7	4	0	0	580
<b>AUTOLIV ASP, INC.</b>																
Patents By Year of Grant:	103	9	23	34	58	23	34	38	29	55	35	28	37	36	35	577
Patents By Year of Application:	160	47	56	33	34	36	27	40	25	33	18	21	32	15	0	577
<b>JAPAN AVIATION ELECTRONICS INDUSTRY LTD.</b>																
Patents By Year of Grant:	65	17	15	21	55	42	45	30	29	36	33	30	39	47	69	573
Patents By Year of Application:	105	10	43	41	40	38	36	35	36	49	43	41	41	13	2	573



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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>ITT MANUFACTURING ENTERPRISES, INC.</b>																
Patents By Year of Grant:	237	41	39	40	44	32	16	15	10	24	13	19	5	3	2	540
Patents By Year of Application:	323	43	46	24	29	14	21	18	6	7	8	1	0	0	0	540
<b>Siemens Energy, Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	4	52	80	72	94	72	81	84	539
Patents By Year of Application:	0	0	2	8	29	82	76	68	78	69	77	24	22	4	0	539
<b>TEXAS INSTRUMENTS, INCORPORATED</b>																
Patents By Year of Grant:	248	31	22	32	26	39	16	15	16	14	23	14	12	19	11	538
Patents By Year of Application:	315	36	27	33	24	14	25	18	10	9	11	7	5	4	0	538
<b>CHENG UEI PRECISION INDUSTRY CO., LTD.</b>																
Patents By Year of Grant:	1	2	0	5	12	32	23	49	58	85	85	81	59	21	23	536
Patents By Year of Application:	3	0	6	11	30	46	54	73	69	120	67	30	19	8	0	536
<b>SMITH &amp; NEPHEW, INC.</b>																
Patents By Year of Grant:	124	11	14	13	8	12	16	8	19	21	31	22	57	93	86	535
Patents By Year of Application:	164	28	21	26	17	19	30	26	29	42	61	31	27	11	3	535
<b>L&amp;P PROPERTY MANAGEMENT COMPANY</b>																
Patents By Year of Grant:	145	27	37	44	36	43	21	26	22	23	18	17	27	20	27	533
Patents By Year of Application:	220	50	41	39	27	26	21	16	12	25	20	18	10	8	0	533
<b>MINNESOTA MINING AND MANUFACTURING COMPANY</b>																
Patents By Year of Grant:	531	1	0	0	0	1	0	0	0	0	0	0	0	0	0	533
Patents By Year of Application:	533	0	0	0	0	0	0	0	0	0	0	0	0	0	0	533
<b>SANSHIN KOGYO KABUSHIKI KAISHA</b>																
Patents By Year of Grant:	425	69	33	2	1	1	0	0	0	0	0	0	0	0	0	531
Patents By Year of Application:	526	5	0	0	0	0	0	0	0	0	0	0	0	0	0	531
<b>UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION</b>																
Patents By Year of Grant:	180	34	28	32	20	12	17	26	22	18	17	21	24	37	38	526
Patents By Year of Application:	242	40	28	13	28	20	30	12	20	22	28	23	16	4	0	526
<b>OLYMPUS OPTICAL CO., LTD.</b>																
Patents By Year of Grant:	321	50	78	26	14	13	7	2	1	4	0	0	0	0	0	516
Patents By Year of Application:	452	36	22	3	0	1	1	1	0	0	0	0	0	0	0	516
<b>EMERSON ELECTRIC CO.</b>																
Patents By Year of Grant:	171	36	32	36	16	42	19	24	26	28	15	10	16	19	24	514
Patents By Year of Application:	248	40	31	31	40	16	21	15	13	11	17	22	4	5	0	514

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>E. I. DU PONT DE NEMOURS AND COMPANY</b>																	
Patents By Year of Grant:	160	24	22	28	19	19	15	20	26	21	30	26	48	26	29	513	
Patents By Year of Application:	216	27	25	22	35	18	21	34	28	30	19	21	12	5	0	513	
<b>L'AIR LIQUIDE, SOCIETE ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE</b>																	
Patents By Year of Grant:	213	41	39	24	14	10	18	16	13	6	13	21	17	29	38	512	
Patents By Year of Application:	299	30	29	34	12	17	17	18	17	12	11	11	2	3	0	512	
<b>UNITED STATES SURGICAL CORPORATION</b>																	
Patents By Year of Grant:	436	13	13	14	6	9	10	4	2	2	0	1	0	0	0	510	
Patents By Year of Application:	476	9	10	3	5	2	3	1	0	1	0	0	0	0	0	510	
<b>PARKER-HANNIFIN CORPORATION</b>																	
Patents By Year of Grant:	79	32	26	33	25	25	18	26	30	36	27	37	38	34	43	509	
Patents By Year of Application:	134	33	41	35	31	45	43	27	37	38	23	13	5	3	1	509	
<b>TRW VEHICLE SAFETY SYSTEMS, INC.</b>																	
Patents By Year of Grant:	318	39	18	21	12	21	8	9	13	15	6	5	9	10	5	509	
Patents By Year of Application:	384	23	20	12	16	12	11	2	6	3	9	6	3	2	0	509	
<b>NORDSON CORPORATION</b>																	
Patents By Year of Grant:	155	33	19	30	22	25	16	11	18	26	26	36	33	27	31	508	
Patents By Year of Application:	228	36	26	22	22	13	24	19	26	28	19	23	16	5	1	508	
<b>RESMED LIMITED</b>																	
Patents By Year of Grant:	29	19	24	22	20	28	17	11	18	18	51	38	79	69	64	507	
Patents By Year of Application:	91	28	35	39	40	50	40	31	30	32	29	34	22	6	0	507	
<b>MOTOROLA, INC.</b>																	
Patents By Year of Grant:	339	37	29	18	19	22	5	21	7	5	0	0	0	0	0	502	
Patents By Year of Application:	406	25	17	15	22	8	7	1	1	0	0	0	0	0	0	502	
<b>AUTOLIV DEVELOPMENT AB</b>																	
Patents By Year of Grant:	74	20	12	20	10	12	14	28	26	66	40	39	51	49	35	496	
Patents By Year of Application:	108	32	33	42	32	36	33	33	41	39	37	22	5	3	0	496	
<b>BALLY GAMING, INC.</b>																	
Patents By Year of Grant:	2	0	0	1	2	2	4	13	12	30	43	71	99	86	130	495	
Patents By Year of Application:	10	9	11	10	27	46	38	84	24	29	46	68	62	30	1	495	
<b>THE YOKOHAMA RUBBER CO., LTD.</b>																	
Patents By Year of Grant:	81	13	24	12	20	23	23	25	26	32	26	40	41	48	60	494	
Patents By Year of Application:	122	22	38	43	32	25	36	23	46	25	44	31	7	0	0	494	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>TERUMO KABUSHIKI KAISHA (TERUMO CORPORATION)</b>																
Patents By Year of Grant:	64	18	17	12	9	14	14	14	22	38	44	54	66	40	58	484
Patents By Year of Application:	113	18	29	23	29	33	39	38	30	40	24	38	18	12	0	484
<b>NIDEX CO., LTD.</b>																
Patents By Year of Grant:	143	19	34	21	14	21	33	38	24	28	21	15	24	20	26	481
Patents By Year of Application:	208	31	17	30	22	24	31	30	13	24	22	14	11	4	0	481
<b>RISO KAGAKU CORPORATION</b>																
Patents By Year of Grant:	178	38	39	24	10	6	7	11	5	7	12	39	27	35	42	480
Patents By Year of Application:	263	12	20	12	8	5	3	13	36	20	16	15	32	24	1	480
<b>Toyota Motor Engineering &amp; Manufacturing North America, Inc.</b>																
Patents By Year of Grant:	0	0	0	0	1	3	2	24	46	60	45	78	82	74	64	479
Patents By Year of Application:	0	1	5	0	8	43	60	60	82	53	43	82	26	16	0	479
<b>KUBOTA CORPORATION</b>																
Patents By Year of Grant:	86	17	18	15	28	17	18	37	27	26	32	35	44	37	41	478
Patents By Year of Application:	120	24	29	20	28	36	34	32	34	27	28	32	30	4	0	478
<b>ADC TELECOMMUNICATIONS, INC.</b>																
Patents By Year of Grant:	34	19	37	34	30	32	37	33	35	39	29	28	31	29	30	477
Patents By Year of Application:	101	38	20	25	34	46	48	38	25	33	29	18	17	4	1	477
<b>Airbus Operations S.A.S.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	30	105	114	133	92	477
Patents By Year of Application:	0	0	0	2	6	39	46	85	89	68	61	54	22	5	0	477
<b>MAKITA CORPORATION</b>																
Patents By Year of Grant:	82	5	9	8	10	17	14	20	18	18	28	43	55	75	75	477
Patents By Year of Application:	102	12	8	17	27	17	18	41	61	53	64	44	11	2	0	477
<b>KOENIG + BAUER AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	82	32	32	52	33	43	34	38	27	29	39	24	2	3	4	474
Patents By Year of Application:	154	78	79	32	43	22	17	20	19	3	1	5	1	0	0	474
<b>Apple, Inc.</b>																
Patents By Year of Grant:	29	4	6	3	3	2	8	7	15	25	37	51	78	106	99	473
Patents By Year of Application:	41	2	4	5	13	14	24	39	37	51	76	120	36	11	0	473
<b>JOHNSON CONTROLS TECHNOLOGY COMPANY</b>																
Patents By Year of Grant:	42	38	32	26	11	12	12	14	6	30	31	33	51	69	59	466
Patents By Year of Application:	120	23	19	22	17	20	29	61	55	39	41	15	4	1	0	466

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>M.A.N. ROLAND DRUCKMASCHINEN AG</b>																	
Patents By Year of Grant:	208	29	31	32	25	27	17	20	24	12	18	13	5	2	0	463	
Patents By Year of Application:	288	26	35	15	38	26	12	14	7	1	1	0	0	0	0	463	
<b>S. C. JOHNSON + SON, INC.</b>																	
Patents By Year of Grant:	52	21	17	25	25	22	29	23	30	36	29	34	35	51	34	463	
Patents By Year of Application:	96	33	37	32	42	28	38	28	23	40	27	21	17	0	1	463	
<b>LAM RESEARCH CORPORATION</b>																	
Patents By Year of Grant:	55	48	59	40	43	45	17	22	17	17	13	22	23	26	14	461	
Patents By Year of Application:	182	48	49	37	24	20	20	19	12	11	13	18	8	0	0	461	
<b>DELTA ELECTRONICS INC.</b>																	
Patents By Year of Grant:	24	14	29	27	29	31	20	27	23	25	45	46	23	44	53	460	
Patents By Year of Application:	62	26	44	35	28	47	38	46	17	20	39	36	20	2	0	460	
<b>TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.</b>																	
Patents By Year of Grant:	115	38	45	63	45	16	9	9	2	10	11	25	21	16	35	460	
Patents By Year of Application:	213	77	25	18	10	9	15	11	9	22	15	21	14	1	0	460	
<b>PRAXAIR TECHNOLOGY, INC.</b>																	
Patents By Year of Grant:	195	39	40	18	13	14	22	14	12	13	10	14	18	15	22	459	
Patents By Year of Application:	245	43	25	22	18	21	17	16	13	7	9	8	9	6	0	459	
<b>NIPPONDENSO CO., LTD.</b>																	
Patents By Year of Grant:	453	2	0	0	0	0	0	0	0	0	0	0	0	0	0	455	
Patents By Year of Application:	455	0	0	0	0	0	0	0	0	0	0	0	0	0	0	455	
<b>SEIKO INSTRUMENTS INC.</b>																	
Patents By Year of Grant:	68	57	53	37	14	22	25	18	23	16	25	31	34	18	14	455	
Patents By Year of Application:	185	33	24	22	28	27	23	15	27	28	24	7	5	7	0	455	
<b>HITACHI KOKI COMPANY, LIMITED</b>																	
Patents By Year of Grant:	86	11	28	19	23	25	36	37	24	29	31	23	31	28	23	454	
Patents By Year of Application:	125	23	25	36	55	41	33	38	27	21	16	6	8	0	0	454	
<b>FCI AMERICAS TECHNOLOGY, INC.</b>																	
Patents By Year of Grant:	12	47	34	38	36	39	50	60	36	26	12	17	12	20	14	453	
Patents By Year of Application:	105	33	33	41	42	58	44	24	14	20	11	19	8	1	0	453	
<b>TDK CORPORATION</b>																	
Patents By Year of Grant:	90	23	31	28	24	31	36	30	35	39	31	23	17	5	7	450	
Patents By Year of Application:	174	23	22	58	27	35	38	20	18	15	12	6	1	1	0	450	



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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>SYNTHESES (U.S.A.)</b>																	
Patents By Year of Grant:	76	17	28	14	14	16	20	15	42	44	46	61	33	0	0	426	
Patents By Year of Application:	140	28	27	49	52	49	23	10	23	19	4	2	0	0	0	426	
<b>KOYO SEIKO COMPANY, LTD.</b>																	
Patents By Year of Grant:	144	35	44	44	46	51	47	7	5	1	0	1	0	0	0	425	
Patents By Year of Application:	234	54	75	37	22	2	1	0	0	0	0	0	0	0	0	425	
<b>TOKAI RUBBER INDUSTRIES, LTD.</b>																	
Patents By Year of Grant:	103	32	35	25	20	37	27	32	17	22	9	20	22	17	3	421	
Patents By Year of Application:	156	37	41	27	38	27	24	25	11	7	8	15	4	1	0	421	
<b>Daimler AG</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	1	68	57	39	52	41	54	52	55	419	
Patents By Year of Application:	0	0	22	48	37	40	69	47	26	44	43	23	16	4	0	419	
<b>AIR PRODUCTS AND CHEMICALS, INC.</b>																	
Patents By Year of Grant:	148	26	33	22	20	16	19	19	18	14	5	13	21	21	17	412	
Patents By Year of Application:	197	34	33	19	28	20	15	16	10	9	12	11	7	1	0	412	
<b>ISUZU MOTORS LIMITED</b>																	
Patents By Year of Grant:	122	24	27	25	33	22	18	10	5	13	27	24	17	14	30	411	
Patents By Year of Application:	171	34	30	30	29	24	37	11	11	0	28	5	1	0	0	411	
<b>NORTHROP GRUMMAN CORPORATION</b>																	
Patents By Year of Grant:	220	33	26	28	21	15	29	20	11	3	0	2	3	0	0	411	
Patents By Year of Application:	283	26	24	25	32	12	5	0	2	0	2	0	0	0	0	411	
<b>DAEWOO ELECTRONICS COMPANY, LTD.</b>																	
Patents By Year of Grant:	365	4	3	3	1	1	4	4	5	4	4	8	2	1	1	410	
Patents By Year of Application:	373	2	2	5	3	5	3	10	6	1	0	0	0	0	0	410	
<b>STRYKER CORPORATION</b>																	
Patents By Year of Grant:	70	9	14	17	10	11	10	13	17	28	38	41	46	49	36	409	
Patents By Year of Application:	96	18	17	29	20	37	25	30	23	30	27	35	19	3	0	409	
<b>PANDUIT CORPORATION</b>																	
Patents By Year of Grant:	30	18	14	13	7	17	26	23	34	32	45	43	18	47	39	406	
Patents By Year of Application:	62	13	11	22	23	22	42	38	29	37	39	38	18	12	0	406	
<b>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</b>																	
Patents By Year of Grant:	99	19	12	19	15	16	16	14	12	21	20	26	29	52	33	403	
Patents By Year of Application:	143	20	31	16	14	16	22	17	22	28	26	33	13	2	0	403	



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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.</b>																
Patents By Year of Grant:	0	0	7	12	25	46	58	56	55	43	30	29	17	16	8	402
Patents By Year of Application:	16	17	51	73	76	49	55	23	13	10	10	7	2	0	0	402
<b>AIRBUS DEUTSCHLAND GMBH</b>																
Patents By Year of Grant:	0	19	20	8	11	23	21	27	41	78	78	49	21	4	1	401
Patents By Year of Application:	40	10	20	63	83	65	57	40	16	5	1	1	0	0	0	401
<b>ALLIED-SIGNAL INC.</b>																
Patents By Year of Grant:	375	15	6	2	1	1	1	0	0	0	0	0	0	0	0	401
Patents By Year of Application:	399	2	0	0	0	0	0	0	0	0	0	0	0	0	0	401
<b>NEWFREY LLC</b>																
Patents By Year of Grant:	0	0	26	19	37	60	46	29	22	33	31	26	27	25	20	401
Patents By Year of Application:	37	33	58	61	29	40	25	18	17	27	21	19	13	3	0	401
<b>SALOMON S.A.</b>																
Patents By Year of Grant:	197	33	21	18	17	15	17	10	6	14	15	11	4	11	12	401
Patents By Year of Application:	262	23	12	23	11	17	15	12	6	4	5	2	4	4	1	401
<b>ALPS ELECTRIC CO., LTD.</b>																
Patents By Year of Grant:	152	31	39	28	31	20	16	22	15	13	4	3	10	8	8	400
Patents By Year of Application:	219	30	31	28	20	17	11	9	6	4	7	7	8	3	0	400
<b>MEDTRONIC VASCULAR, INC</b>																
Patents By Year of Grant:	0	0	0	5	27	35	26	28	23	50	50	41	38	43	33	399
Patents By Year of Application:	17	23	73	34	28	41	35	35	31	39	15	19	7	2	0	399
<b>ABBOTT LABORATORIES</b>																
Patents By Year of Grant:	161	16	20	13	5	12	5	12	13	21	22	37	30	18	12	397
Patents By Year of Application:	208	13	22	9	10	32	33	17	12	15	9	11	5	1	0	397
<b>VOLKSWAGEN AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	129	22	33	20	21	11	21	19	13	21	15	12	17	20	21	395
Patents By Year of Application:	181	34	17	16	41	17	21	9	12	8	10	13	14	2	0	395
<b>MAYTAG CORPORATION</b>																
Patents By Year of Grant:	138	24	35	46	33	34	9	7	34	25	8	0	0	0	0	393
Patents By Year of Application:	197	51	60	15	26	38	6	0	0	0	0	0	0	0	0	393
<b>SANDEN CORPORATION</b>																
Patents By Year of Grant:	180	29	23	21	17	17	20	14	5	12	9	12	14	7	10	390
Patents By Year of Application:	227	19	38	24	17	16	15	17	9	2	5	1	0	0	0	390

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>NIFCO INC.</b>																	
Patents By Year of Grant:	80	19	16	18	33	18	26	19	13	9	13	20	20	38	43	385	
Patents By Year of Application:	107	25	44	16	49	9	13	22	15	37	29	18	1	0	0	385	
<b>CARDIAC PACEMAKERS, INC.</b>																	
Patents By Year of Grant:	21	8	23	16	13	10	12	19	28	38	50	38	43	45	20	384	
Patents By Year of Application:	72	25	23	36	28	31	40	11	26	30	26	17	17	2	0	384	
<b>NIKON CORPORATION</b>																	
Patents By Year of Grant:	219	19	17	7	12	5	10	5	5	8	10	8	16	29	14	384	
Patents By Year of Application:	256	11	9	11	15	7	7	10	4	12	13	20	6	3	0	384	
<b>KONINKLIJKE PHILIPS N.V.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	73	147	161	381	
Patents By Year of Application:	0	1	2	9	16	26	27	47	91	80	46	22	11	3	0	381	
<b>CASE CORPORATION</b>																	
Patents By Year of Grant:	236	41	65	35	1	1	0	0	0	0	0	0	0	0	0	379	
Patents By Year of Application:	335	35	9	0	0	0	0	0	0	0	0	0	0	0	0	379	
<b>HITACHI CONSTRUCTION MACHINERY CO., LTD.</b>																	
Patents By Year of Grant:	80	21	14	12	8	11	9	11	19	18	13	33	36	42	52	379	
Patents By Year of Application:	116	25	17	21	17	13	20	25	25	25	33	36	6	0	0	379	
<b>GRAPHIC PACKAGING INTERNATIONAL, INC.</b>																	
Patents By Year of Grant:	0	0	0	11	19	18	18	18	25	63	38	34	48	38	44	374	
Patents By Year of Application:	10	14	25	18	42	42	37	22	37	40	34	21	28	4	0	374	
<b>TOSHIBA TEC KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	40	24	26	19	13	21	24	23	16	32	26	17	24	41	28	374	
Patents By Year of Application:	92	12	31	28	22	31	29	12	9	32	23	27	18	8	0	374	
<b>Universal Entertainment Corporation</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	29	49	109	63	56	68	374	
Patents By Year of Application:	1	0	5	3	13	19	43	94	52	42	36	26	30	9	1	374	
<b>COLGATE-PALMOLIVE COMPANY</b>																	
Patents By Year of Grant:	65	15	7	4	10	15	15	21	14	22	28	27	44	52	34	373	
Patents By Year of Application:	88	16	14	23	29	22	26	33	19	36	26	17	19	5	0	373	
<b>DELAWARE CAPITAL FORMATION, INC.</b>																	
Patents By Year of Grant:	97	27	42	35	34	28	14	7	5	12	11	16	21	13	11	373	
Patents By Year of Application:	166	43	32	28	15	12	10	12	15	17	10	11	2	0	0	373	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>NESTEC, S.A.</b>																
Patents By Year of Grant:	59	11	7	15	11	9	9	8	12	26	15	26	40	64	52	364
Patents By Year of Application:	80	21	19	21	20	13	39	36	40	35	20	12	6	2	0	364
<b>COLOPLAST A/S</b>																
Patents By Year of Grant:	27	6	9	6	6	5	7	7	11	21	32	41	61	76	46	361
Patents By Year of Application:	52	18	13	18	19	11	16	13	19	49	60	31	27	14	1	361
<b>SAMSUNG ELECTRO-MECHANICS CO., LTD.</b>																
Patents By Year of Grant:	27	11	7	6	7	10	15	12	15	45	44	40	34	51	37	361
Patents By Year of Application:	47	4	11	10	19	25	40	37	43	28	41	40	15	1	0	361
<b>Abbott Cardiovascular Systems, Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	4	6	5	15	57	38	75	81	78	359
Patents By Year of Application:	5	7	13	2	9	15	50	40	19	46	53	46	41	13	0	359
<b>ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LTD.</b>																
Patents By Year of Grant:	5	2	7	11	4	4	3	4	5	5	15	71	95	75	51	357
Patents By Year of Application:	39	7	4	10	7	9	33	64	50	22	31	48	31	2	0	357
<b>AGILENT TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	63	34	45	54	42	28	19	14	12	4	6	14	9	7	4	355
Patents By Year of Application:	156	56	40	21	18	22	8	10	12	6	4	1	1	0	0	355
<b>LUK LAMELLEN UND KUPPLUNGSBAU BETEILIGUNGS KG</b>																
Patents By Year of Grant:	0	14	49	32	22	40	33	44	30	60	31	0	0	0	0	355
Patents By Year of Application:	71	37	37	48	43	48	39	24	8	0	0	0	0	0	0	355
<b>EDWARDS LIFESCIENCES CORP.</b>																
Patents By Year of Grant:	23	26	21	33	13	15	8	15	14	20	29	24	34	38	40	353
Patents By Year of Application:	106	19	23	15	23	20	14	16	17	22	23	30	16	8	1	353
<b>GILLETTE COMPANY</b>																
Patents By Year of Grant:	105	12	15	8	10	12	10	8	15	25	22	30	32	25	24	353
Patents By Year of Application:	139	8	12	20	18	21	17	21	22	23	24	17	10	0	1	353
<b>KRONES AG</b>																
Patents By Year of Grant:	9	1	2	4	5	4	2	0	2	19	24	54	68	95	64	353
Patents By Year of Application:	15	8	3	6	10	15	15	42	57	65	52	38	16	11	0	353
<b>KANZAKI KOKYUKOKI MFG. CO. LTD.</b>																
Patents By Year of Grant:	97	27	22	11	7	2	5	48	39	23	24	17	12	11	7	352
Patents By Year of Application:	142	17	5	10	23	41	36	25	22	12	6	7	4	2	0	352





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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>C.R.F. SOCIETA CONSORTILE PER AZIONI</b>																	
Patents By Year of Grant:	34	7	21	21	22	30	29	26	15	27	19	14	20	23	18	326	
Patents By Year of Application:	59	25	26	31	44	25	18	27	23	10	19	8	9	2	0	326	
<b>SDGI HOLDINGS, INC.</b>																	
Patents By Year of Grant:	100	27	45	41	19	60	21	8	1	1	1	1	0	0	0	325	
Patents By Year of Application:	208	59	35	14	7	2	0	0	0	0	0	0	0	0	0	325	
<b>TOYOTA BOSHOKU KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	0	0	0	0	0	3	3	5	12	34	47	59	44	61	57	325	
Patents By Year of Application:	0	0	2	2	11	12	31	59	58	30	32	49	30	9	0	325	
<b>ASAHI KOGAKU KOGYO KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	267	54	2	1	0	0	0	0	0	0	0	0	0	0	0	324	
Patents By Year of Application:	324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	324	
<b>MAX CO., LTD.</b>																	
Patents By Year of Grant:	75	6	19	14	12	16	27	9	14	26	35	23	23	13	12	324	
Patents By Year of Application:	103	28	21	29	33	20	18	15	18	16	7	14	0	1	1	324	
<b>NGK SPARK PLUG CO., LTD.</b>																	
Patents By Year of Grant:	42	12	29	20	13	24	13	13	20	13	15	27	27	27	28	323	
Patents By Year of Application:	87	26	16	20	14	15	16	31	27	14	30	20	5	1	1	323	
<b>HUSKY INJECTION MOLDING SYSTEMS LIMITED</b>																	
Patents By Year of Grant:	80	18	16	5	9	12	28	37	28	27	6	8	18	17	13	322	
Patents By Year of Application:	118	12	13	27	17	26	45	6	11	16	16	10	5	0	0	322	
<b>MANNESMANN SACHS AG</b>																	
Patents By Year of Grant:	181	60	59	19	2	1	0	0	0	0	0	0	0	0	0	322	
Patents By Year of Application:	313	7	2	0	0	0	0	0	0	0	0	0	0	0	0	322	
<b>HYDRO-GEAR LIMITED PARTNERSHIP</b>																	
Patents By Year of Grant:	44	12	12	30	29	39	23	25	12	5	14	18	16	19	23	321	
Patents By Year of Application:	64	33	32	36	27	17	20	18	8	13	19	14	15	5	0	321	
<b>DEPUY PRODUCTS, INC.</b>																	
Patents By Year of Grant:	0	0	4	6	15	21	28	19	27	51	58	65	23	0	0	317	
Patents By Year of Application:	5	41	50	54	41	31	29	41	15	7	3	0	0	0	0	317	
<b>DAINIPPON SCREEN MFG. CO., LTD.</b>																	
Patents By Year of Grant:	86	10	8	30	24	30	11	28	19	11	18	10	6	22	3	316	
Patents By Year of Application:	103	33	39	30	26	17	22	11	12	6	4	7	4	2	0	316	



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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>FISHER CONTROLS INTERNATIONAL LLC</b>																	
Patents By Year of Grant:	57	6	7	17	17	17	9	11	9	14	18	29	22	32	37	302	
Patents By Year of Application:	72	15	25	18	13	19	16	30	29	17	17	20	10	1	0	302	
<b>ESSILOR INTERNATIONAL COMPAGNIE GENERALE D'OPTIQUE</b>																	
Patents By Year of Grant:	37	3	7	6	5	6	11	18	22	20	28	37	31	46	24	301	
Patents By Year of Application:	48	8	11	18	25	40	30	28	28	32	21	8	3	1	0	301	
<b>Intuitive Surgical Operations, Inc.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	17	22	42	58	78	84	301	
Patents By Year of Application:	0	0	1	6	13	24	37	34	29	42	41	39	29	5	1	301	
<b>KNORR-BREMSE SYSTEME FUER NUTZFAHRZEUGE GMBH</b>																	
Patents By Year of Grant:	26	2	6	13	5	15	14	10	21	20	32	29	37	42	29	301	
Patents By Year of Application:	41	26	12	15	10	15	35	28	27	44	25	15	5	3	0	301	
<b>ACUSON CORPORATION</b>																	
Patents By Year of Grant:	199	38	40	14	8	1	0	0	0	0	0	0	0	0	0	300	
Patents By Year of Application:	279	19	2	0	0	0	0	0	0	0	0	0	0	0	0	300	
<b>ALCOA INC.</b>																	
Patents By Year of Grant:	114	11	18	21	16	13	11	11	4	6	11	11	20	17	14	298	
Patents By Year of Application:	147	22	19	12	12	10	7	9	11	15	12	8	10	3	1	298	
<b>AMERICAN AXLE &amp; MANUFACTURING, INC.</b>																	
Patents By Year of Grant:	28	10	11	12	12	21	24	23	18	21	39	23	19	9	28	298	
Patents By Year of Application:	49	6	22	25	20	22	28	28	23	16	17	11	14	14	3	298	
<b>AUDI AG</b>																	
Patents By Year of Grant:	32	3	7	9	5	6	6	8	5	21	16	35	44	49	52	298	
Patents By Year of Application:	44	15	12	11	13	12	16	34	31	24	38	32	11	5	0	298	
<b>VETCO GRAY INC</b>																	
Patents By Year of Grant:	2	0	0	0	13	18	12	10	13	24	23	55	37	53	38	298	
Patents By Year of Application:	2	6	16	12	21	19	17	28	43	50	45	36	2	1	0	298	
<b>EUROCOPTER</b>																	
Patents By Year of Grant:	110	11	5	19	5	7	7	20	21	12	23	21	29	7	0	297	
Patents By Year of Application:	125	20	9	13	17	27	15	18	19	21	11	2	0	0	0	297	
<b>FUNAI ELECTRIC CO., LTD.</b>																	
Patents By Year of Grant:	19	11	11	6	11	20	21	29	28	34	19	15	21	31	21	297	
Patents By Year of Application:	41	6	12	28	36	33	37	22	10	20	21	20	4	4	3	297	



---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>ROCHE DIAGNOSTICS OPERATIONS, INC.</b>																
Patents By Year of Grant:	0	0	0	2	5	4	16	8	10	32	33	52	41	70	24	297
Patents By Year of Application:	4	10	17	16	11	23	35	36	47	37	30	20	8	3	0	297
<b>MINOLTA CAMERA CO., LTD.</b>																
Patents By Year of Grant:	219	33	15	13	5	3	2	2	1	1	1	0	1	0	0	296
Patents By Year of Application:	273	11	6	1	1	1	1	1	0	1	0	0	0	0	0	296
<b>TOYO TIRE &amp; RUBBER CO., LTD.</b>																
Patents By Year of Grant:	39	20	32	11	4	4	12	14	10	10	16	32	31	28	32	295
Patents By Year of Application:	85	20	4	15	14	22	21	32	14	18	34	13	3	0	0	295
<b>BERG TECHNOLOGY, INC.</b>																
Patents By Year of Grant:	253	25	12	3	1	0	0	0	0	0	0	0	0	0	0	294
Patents By Year of Application:	290	1	2	1	0	0	0	0	0	0	0	0	0	0	0	294
<b>NOVARTIS AG (FORMERLY SANDOZ LTD.)</b>																
Patents By Year of Grant:	13	5	7	13	14	18	11	9	9	15	29	33	47	37	34	294
Patents By Year of Application:	41	13	19	18	20	32	25	27	28	24	23	8	9	7	0	294
<b>BOSTON SCIENTIFIC CORPORATION</b>																
Patents By Year of Grant:	219	19	10	10	3	10	7	0	2	5	2	5	1	0	0	293
Patents By Year of Application:	257	8	7	8	1	3	2	0	3	3	1	0	0	0	0	293
<b>INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY L.L.C.</b>																
Patents By Year of Grant:	0	17	35	36	22	16	25	11	26	36	15	24	8	11	10	292
Patents By Year of Application:	42	48	17	24	22	36	31	14	26	9	8	7	4	4	0	292
<b>VOLVO LASTVAGNAR AB</b>																
Patents By Year of Grant:	30	13	9	18	16	20	30	28	16	16	20	24	21	9	22	292
Patents By Year of Application:	56	19	29	28	52	46	16	20	10	5	7	3	1	0	0	292
<b>BRAUN GMBH</b>																
Patents By Year of Grant:	37	18	20	17	13	14	8	13	7	13	13	20	37	43	18	291
Patents By Year of Application:	77	27	18	21	13	15	13	20	6	23	33	17	7	1	0	291
<b>INFINEON TECHNOLOGIES AG</b>																
Patents By Year of Grant:	13	24	28	34	39	25	17	17	14	19	14	20	6	8	13	291
Patents By Year of Application:	75	41	36	25	14	13	31	13	9	8	14	8	4	0	0	291
<b>ADVICS CO., LTD.</b>																
Patents By Year of Grant:	0	0	1	6	31	36	30	33	25	21	26	20	18	19	23	289
Patents By Year of Application:	0	3	35	65	34	35	29	18	15	17	17	15	6	0	0	289

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>INTERNATIONAL ENGINE INTELLECTUAL PROPERTY COMPANY, L.L.C.</b>																	
Patents By Year of Grant:	0	22	21	30	39	33	33	15	15	9	6	26	27	3	10	289	
Patents By Year of Application:	42	39	36	44	24	23	12	4	35	17	9	1	2	1	0	289	
<b>GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY, LLC</b>																	
Patents By Year of Grant:	7	46	52	36	29	30	10	13	9	15	6	9	10	9	7	288	
Patents By Year of Application:	94	69	42	18	7	5	10	14	7	6	9	2	4	1	0	288	
<b>ARTHREX INC.</b>																	
Patents By Year of Grant:	28	4	16	4	5	10	9	7	7	9	33	26	41	50	38	287	
Patents By Year of Application:	47	12	23	12	13	23	26	25	27	26	19	14	13	7	0	287	
<b>ISCAR LTD.</b>																	
Patents By Year of Grant:	61	5	10	9	8	20	11	9	8	6	9	16	38	45	30	285	
Patents By Year of Application:	75	13	7	14	14	13	11	15	15	23	27	42	15	1	0	285	
<b>CUMMINS INC.</b>																	
Patents By Year of Grant:	0	19	22	20	17	17	16	7	20	20	14	16	14	42	39	283	
Patents By Year of Application:	43	19	20	21	27	21	22	16	9	17	23	25	13	7	0	283	
<b>DEKA PRODUCTS LIMITED PARTNERSHIP</b>																	
Patents By Year of Grant:	37	18	17	12	10	8	9	7	6	14	17	20	37	32	39	283	
Patents By Year of Application:	74	12	29	7	9	4	30	25	24	15	22	17	11	4	0	283	
<b>MINEBEA KABUSHIKI-KAISHA (MINEBEA CO., LTD)</b>																	
Patents By Year of Grant:	42	21	26	23	32	36	22	14	8	12	6	12	7	10	12	283	
Patents By Year of Application:	89	30	55	26	25	10	4	10	6	4	7	12	4	1	0	283	
<b>FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.</b>																	
Patents By Year of Grant:	66	17	15	11	10	11	4	11	12	11	20	16	29	25	24	282	
Patents By Year of Application:	108	14	15	13	22	18	19	20	15	12	19	4	1	2	0	282	
<b>KOHLER CO.</b>																	
Patents By Year of Grant:	63	10	15	14	9	9	4	8	11	19	14	20	15	26	45	282	
Patents By Year of Application:	79	26	9	12	7	15	18	30	21	6	18	20	18	3	0	282	
<b>METSO PAPER, INC.</b>																	
Patents By Year of Grant:	8	19	40	41	27	36	19	19	18	19	12	13	9	2	0	282	
Patents By Year of Application:	90	51	52	17	20	20	10	11	7	3	1	0	0	0	0	282	
<b>SCHAEFFLER KG</b>																	
Patents By Year of Grant:	0	0	0	0	0	1	28	40	44	70	79	19	0	1	0	282	
Patents By Year of Application:	0	0	4	28	74	76	54	33	13	0	0	0	0	0	0	282	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>CARL FREUDENBERG KG</b>																
Patents By Year of Grant:	99	18	30	18	9	15	13	11	3	6	9	13	10	13	14	281
Patents By Year of Application:	161	21	15	14	7	12	10	9	8	7	5	9	3	0	0	281
<b>FURUKAWA ELECTRIC CO., LTD.</b>																
Patents By Year of Grant:	61	25	29	39	21	6	9	9	7	9	11	8	12	19	16	281
Patents By Year of Application:	130	32	20	5	5	9	9	20	11	6	5	11	10	7	1	281
<b>KONAMI DIGITAL ENTERTAINMENT CO., LTD.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	1	7	7	21	32	90	68	36	18	280
Patents By Year of Application:	0	6	8	17	26	36	33	46	25	30	28	19	5	1	0	280
<b>CASIO COMPUTER CO. LTD.</b>																
Patents By Year of Grant:	47	12	3	1	4	5	9	7	14	14	30	16	38	47	32	279
Patents By Year of Application:	62	1	7	12	14	17	17	13	10	33	25	38	24	5	1	279
<b>SIEMENS AUTOMOTIVE CORPORATION</b>																
Patents By Year of Grant:	144	49	48	37	0	1	0	0	0	0	0	0	0	0	0	279
Patents By Year of Application:	267	9	3	0	0	0	0	0	0	0	0	0	0	0	0	279
<b>SIEMENS MEDICAL SOLUTIONS USA, INC.</b>																
Patents By Year of Grant:	1	9	10	18	12	15	14	10	27	43	31	23	23	26	17	279
Patents By Year of Application:	31	20	39	28	27	24	31	29	8	19	9	13	1	0	0	279
<b>KAO KABUSHIKI KAISHA (KAO CORPORATION)</b>																
Patents By Year of Grant:	83	9	19	15	11	20	10	8	11	14	16	11	20	15	16	278
Patents By Year of Application:	136	14	22	21	13	13	8	14	12	11	9	4	1	0	0	278
<b>MCNEIL-PPC, INC.</b>																
Patents By Year of Grant:	88	17	17	11	8	3	8	9	14	17	17	19	20	19	10	277
Patents By Year of Application:	137	11	9	14	10	24	9	11	15	15	10	2	10	0	0	277
<b>ZIMMER, INC.</b>																
Patents By Year of Grant:	62	6	7	0	0	2	3	3	4	13	9	24	31	56	57	277
Patents By Year of Application:	74	3	13	5	13	7	14	12	16	25	39	31	19	5	1	277
<b>FERAG AG</b>																
Patents By Year of Grant:	104	18	14	23	10	7	3	12	7	19	16	13	9	11	10	276
Patents By Year of Application:	141	20	21	8	9	13	12	11	11	10	14	4	1	1	0	276
<b>SIKORSKY AIRCRAFT CORPORATION</b>																
Patents By Year of Grant:	83	8	12	9	12	7	13	6	11	18	16	7	17	27	30	276
Patents By Year of Application:	99	13	21	13	15	25	15	16	6	13	15	16	8	1	0	276

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>THOMAS &amp; BETTS INTERNATIONAL, INC.</b>																	
Patents By Year of Grant:	80	10	8	11	9	12	13	11	24	26	11	12	10	10	29	276	
Patents By Year of Application:	97	13	11	8	24	17	18	16	17	8	11	13	20	3	0	276	
<b>NHK SPRING CO., LTD.</b>																	
Patents By Year of Grant:	23	12	11	13	10	12	8	10	13	20	18	26	21	41	37	275	
Patents By Year of Application:	54	15	13	16	12	18	19	14	27	20	24	25	15	3	0	275	
<b>AMS RESEARCH CORPORATION</b>																	
Patents By Year of Grant:	0	3	16	11	10	14	14	15	11	15	28	20	26	50	41	274	
Patents By Year of Application:	35	13	21	22	16	22	31	16	23	20	22	11	14	7	1	274	
<b>KABUSHIKI KAISHA TOPCON</b>																	
Patents By Year of Grant:	80	15	12	21	11	7	20	17	26	25	10	7	5	12	6	274	
Patents By Year of Application:	117	20	25	7	9	15	32	19	12	5	5	4	3	1	0	274	
<b>MANNESMANN AG</b>																	
Patents By Year of Grant:	248	11	14	1	0	0	0	0	0	0	0	0	0	0	0	274	
Patents By Year of Application:	273	1	0	0	0	0	0	0	0	0	0	0	0	0	0	274	
<b>HITACHI AUTOMOTIVE SYSTEMS, LTD.</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	5	19	69	86	92	272	
Patents By Year of Application:	0	0	0	0	0	0	0	0	29	72	68	56	35	12	0	272	
<b>ANDREAS STIHL AG &amp; CO KG</b>																	
Patents By Year of Grant:	0	0	0	4	37	23	28	26	19	17	19	17	21	30	30	271	
Patents By Year of Application:	0	1	38	37	27	35	20	22	17	23	25	17	7	2	0	271	
<b>JAPAN SOLDERLESS TERMINAL MFG. CO., LTD.</b>																	
Patents By Year of Grant:	23	20	33	27	28	50	24	21	15	6	8	4	2	3	7	271	
Patents By Year of Application:	66	40	22	56	24	14	16	10	5	5	3	2	4	4	0	271	
<b>ENDRESS + HAUSER FLOWTEC AG</b>																	
Patents By Year of Grant:	30	6	7	6	12	21	15	25	23	14	22	22	20	23	24	270	
Patents By Year of Application:	43	14	19	16	24	33	22	14	29	23	16	14	3	0	0	270	
<b>EXXONMOBIL UPSTREAM RESEARCH COMPANY</b>																	
Patents By Year of Grant:	28	15	16	13	10	9	1	14	11	16	13	23	37	29	32	267	
Patents By Year of Application:	51	23	16	15	14	16	22	25	12	24	30	12	6	1	0	267	
<b>St. Jude Medical, Atrial Fibrillation Division, Inc.</b>																	
Patents By Year of Grant:	0	0	0	0	0	7	7	12	7	29	26	43	44	53	39	267	
Patents By Year of Application:	1	4	10	18	16	47	49	23	19	25	14	26	12	3	0	267	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>W. L. GORE &amp; ASSOCIATES, INC.</b>																
Patents By Year of Grant:	103	1	0	0	0	0	0	0	0	0	1	28	34	44	51	262
Patents By Year of Application:	104	2	2	6	11	12	10	18	16	17	20	16	24	4	0	262
<b>ADVANCED MICRO DEVICES, INC.</b>																
Patents By Year of Grant:	135	50	35	14	5	6	2	3	2	0	2	2	2	1	2	261
Patents By Year of Application:	229	9	5	2	3	2	2	2	1	1	4	0	1	0	0	261
<b>ROLLS-ROYCE DEUTSCHLAND LTD &amp; CO KG</b>																
Patents By Year of Grant:	1	5	9	11	6	14	15	7	12	14	15	50	30	43	28	260
Patents By Year of Application:	22	11	11	24	14	11	18	28	51	20	21	24	4	1	0	260
<b>TS TECH CO., LTD.</b>																
Patents By Year of Grant:	9	11	8	4	2	14	16	7	6	13	29	37	32	29	43	260
Patents By Year of Application:	26	9	10	10	24	18	18	28	18	26	36	21	13	2	1	260
<b>CUMMINS ENGINE CO., INC.</b>																
Patents By Year of Grant:	229	13	12	1	0	1	1	0	1	0	0	0	0	0	0	258
Patents By Year of Application:	254	3	1	0	0	0	0	0	0	0	0	0	0	0	0	258
<b>INTERNATIONAL PAPER CO.</b>																
Patents By Year of Grant:	79	14	12	9	11	11	7	13	28	18	9	9	12	14	12	258
Patents By Year of Application:	107	10	19	12	10	26	21	14	6	8	11	6	4	4	0	258
<b>LINDE AKTIENGESELLSCHAFT</b>																
Patents By Year of Grant:	86	19	23	9	10	19	13	2	6	5	10	16	10	13	16	257
Patents By Year of Application:	124	21	14	18	8	10	8	8	5	11	21	7	2	0	0	257
<b>STEELCASE DEVELOPMENT CORPORATION</b>																
Patents By Year of Grant:	98	49	36	21	21	10	11	3	2	4	2	0	0	0	0	257
Patents By Year of Application:	192	23	13	11	11	3	4	0	0	0	0	0	0	0	0	257
<b>APPLIED MEDICAL RESOURCES CORPORATION</b>																
Patents By Year of Grant:	48	3	7	4	7	7	4	8	10	19	21	39	32	23	24	256
Patents By Year of Application:	66	12	15	14	11	19	13	9	20	20	17	28	6	6	0	256
<b>WESTINGHOUSE AIR BRAKE COMPANY</b>																
Patents By Year of Grant:	243	7	2	2	1	0	0	0	0	0	0	0	0	0	0	255
Patents By Year of Application:	254	0	1	0	0	0	0	0	0	0	0	0	0	0	0	255
<b>BAUSCH &amp; LOMB, INC.</b>																
Patents By Year of Grant:	55	12	19	23	11	10	15	8	7	11	18	18	25	11	10	253
Patents By Year of Application:	101	25	19	15	8	13	14	23	8	7	6	10	4	0	0	253

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>UNIVERSITY OF TEXAS</b>																	
Patents By Year of Grant:	65	12	17	15	12	10	9	7	13	8	12	14	22	19	18	253	
Patents By Year of Application:	105	20	11	13	11	11	11	9	19	18	10	10	3	2	0	253	
<b>Airbus Operations Limited</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	9	20	50	50	63	59	252	
Patents By Year of Application:	0	2	0	0	1	16	35	40	32	44	36	28	12	4	2	252	
<b>ARVINMERITOR TECHNOLOGY, LLC</b>																	
Patents By Year of Grant:	0	0	1	18	36	32	18	21	19	18	16	11	21	17	24	252	
Patents By Year of Application:	1	27	62	28	23	19	15	8	16	5	20	16	8	4	0	252	
<b>DEPUY SPINE, INC.</b>																	
Patents By Year of Grant:	0	0	0	5	5	8	15	7	14	44	55	58	33	8	0	252	
Patents By Year of Application:	4	17	18	41	51	37	33	12	14	15	5	5	0	0	0	252	
<b>DAIWA SEIKO INC</b>																	
Patents By Year of Grant:	194	13	12	5	6	3	5	5	2	4	2	0	0	0	0	251	
Patents By Year of Application:	224	6	4	0	5	3	3	4	2	0	0	0	0	0	0	251	
<b>KELSEY-HAYES CO.</b>																	
Patents By Year of Grant:	122	29	17	14	8	14	10	5	4	7	5	2	3	2	9	251	
Patents By Year of Application:	169	15	11	14	13	9	4	3	3	4	4	0	2	0	0	251	
<b>KARSTEN MANUFACTURING CORP.</b>																	
Patents By Year of Grant:	19	14	10	4	15	8	12	15	10	16	21	15	28	30	33	250	
Patents By Year of Application:	37	12	13	13	12	12	17	21	18	15	22	24	30	4	0	250	
<b>SANDIA CORPORATION</b>																	
Patents By Year of Grant:	90	26	14	11	8	9	10	6	4	6	16	17	12	9	11	249	
Patents By Year of Application:	132	9	15	9	10	5	9	10	16	11	12	7	4	0	0	249	
<b>BOMBARDIER RECREATIONAL PRODUCTS INC.</b>																	
Patents By Year of Grant:	0	0	0	26	46	22	7	20	10	20	17	19	21	22	18	248	
Patents By Year of Application:	20	19	37	22	16	13	17	31	14	13	14	17	14	1	0	248	
<b>COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN</b>																	
Patents By Year of Grant:	93	27	10	4	2	0	1	0	0	0	0	2	24	33	52	248	
Patents By Year of Application:	133	2	1	1	0	3	0	17	28	32	18	12	1	0	0	248	
<b>HOWMEDICA OSTEONICS CORP.</b>																	
Patents By Year of Grant:	5	5	13	10	8	9	10	14	17	23	25	21	26	29	33	248	
Patents By Year of Application:	36	7	19	21	22	32	14	8	22	19	9	26	9	4	0	248	

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>MANDO CORPORATION</b>																
Patents By Year of Grant:	3	5	10	3	5	5	3	2	12	11	13	30	37	42	67	248
Patents By Year of Application:	15	6	8	4	4	8	12	22	26	22	23	43	37	17	1	248
<b>FEDERAL-MOGUL WORLD WIDE, INC.</b>																
Patents By Year of Grant:	27	22	23	14	19	22	18	23	18	17	20	12	5	5	2	247
Patents By Year of Application:	71	20	18	24	32	19	33	8	6	7	6	3	0	0	0	247
<b>ROSEMOUNT INC.</b>																
Patents By Year of Grant:	56	7	23	10	10	11	11	20	12	12	17	8	14	9	27	247
Patents By Year of Application:	87	10	12	17	9	15	19	16	14	9	9	17	13	0	0	247
<b>TORO COMPANY</b>																
Patents By Year of Grant:	70	20	9	8	10	15	8	15	17	13	10	15	16	12	9	247
Patents By Year of Application:	99	17	11	13	19	12	16	11	10	10	11	7	8	3	0	247
<b>MAHLE INTERNATIONAL GMBH</b>																
Patents By Year of Grant:	0	0	0	0	0	0	2	15	21	13	26	35	37	54	43	246
Patents By Year of Application:	0	0	1	2	12	27	50	26	25	30	36	26	8	3	0	246
<b>SONOCO DEVELOPMENT, INC.</b>																
Patents By Year of Grant:	52	22	17	14	10	19	15	8	9	12	13	10	14	11	20	246
Patents By Year of Application:	93	18	22	17	6	17	6	11	7	12	15	16	6	0	0	246
<b>VOITH PAPER PATENT GMBH</b>																
Patents By Year of Grant:	0	5	24	18	16	18	11	13	22	19	19	18	27	24	12	246
Patents By Year of Application:	32	34	16	18	14	20	18	26	25	11	16	13	3	0	0	246
<b>COSCO MANAGEMENT, INC.</b>																
Patents By Year of Grant:	12	14	21	14	18	22	13	16	15	19	22	18	17	22	2	245
Patents By Year of Application:	48	14	35	23	11	7	20	19	24	18	11	11	3	1	0	245
<b>GLOBUS MEDICAL INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	3	0	0	4	7	16	22	39	55	99	245
Patents By Year of Application:	0	0	2	8	9	8	4	12	27	34	38	46	30	22	5	245
<b>SMS SCHLOEMANN-SIEMAG AG</b>																
Patents By Year of Grant:	206	20	13	4	0	2	0	0	0	0	0	0	0	0	0	245
Patents By Year of Application:	242	3	0	0	0	0	0	0	0	0	0	0	0	0	0	245
<b>John Mezzalingua Associates, LLC</b>																
Patents By Year of Grant:	3	1	2	6	6	21	24	23	15	23	41	41	24	5	9	244
Patents By Year of Application:	6	3	7	15	27	28	24	10	36	35	35	7	8	3	0	244

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>YAMAHA MARINE KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	0	0	29	44	40	28	44	47	12	0	0	0	0	0	0	244	
Patents By Year of Application:	37	59	24	26	58	29	11	0	0	0	0	0	0	0	0	244	
<b>ARTHROCARE CORPORATION</b>																	
Patents By Year of Grant:	54	13	14	12	13	11	15	16	11	18	11	13	10	18	14	243	
Patents By Year of Application:	109	18	19	9	13	10	11	6	18	10	8	11	1	0	0	243	
<b>CALIFORNIA INSTITUTE OF TECHNOLOGY</b>																	
Patents By Year of Grant:	38	16	18	13	6	9	12	7	11	15	12	18	18	30	20	243	
Patents By Year of Application:	81	8	15	11	16	11	19	13	9	8	16	17	17	2	0	243	
<b>COCA-COLA COMPANY</b>																	
Patents By Year of Grant:	96	17	14	11	1	5	2	4	4	11	12	16	13	20	17	243	
Patents By Year of Application:	127	13	6	3	6	9	18	9	15	12	7	11	5	2	0	243	
<b>MATSUSHITA ELECTRIC WORKS, LTD.</b>																	
Patents By Year of Grant:	87	12	15	12	17	28	18	34	12	7	0	0	0	0	0	242	
Patents By Year of Application:	118	22	23	26	23	17	12	1	0	0	0	0	0	0	0	242	
<b>SOUTHWEST RESEARCH INSTITUTE</b>																	
Patents By Year of Grant:	64	13	13	21	7	15	15	9	11	15	4	11	13	18	13	242	
Patents By Year of Application:	94	14	21	9	14	16	18	9	13	8	9	12	5	0	0	242	
<b>TOSHIBA MACHINE CO., LTD.</b>																	
Patents By Year of Grant:	91	9	14	18	7	16	9	12	7	16	9	13	9	6	6	242	
Patents By Year of Application:	112	24	10	11	11	25	12	10	7	9	6	3	2	0	0	242	
<b>AISAN KOGYO KABUSHIKI KAISHA</b>																	
Patents By Year of Grant:	33	17	10	18	23	19	14	10	4	23	11	15	12	16	16	241	
Patents By Year of Application:	59	15	30	21	8	13	19	21	9	21	13	7	4	1	0	241	
<b>TRUTZSCHLER GMBH &amp; CO. KG</b>																	
Patents By Year of Grant:	92	15	16	14	9	8	7	12	14	29	21	3	0	1	0	241	
Patents By Year of Application:	111	24	13	16	15	21	9	29	1	1	0	1	0	0	0	241	
<b>NCR CORPORATION</b>																	
Patents By Year of Grant:	105	17	21	5	6	6	5	5	3	2	5	14	15	14	17	240	
Patents By Year of Application:	148	8	6	7	4	4	9	3	11	12	16	5	7	0	0	240	
<b>OSSUR HF</b>																	
Patents By Year of Grant:	3	0	3	0	4	8	17	19	18	19	34	28	18	29	40	240	
Patents By Year of Application:	7	7	23	10	26	19	17	22	24	18	28	19	13	7	0	240	



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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>WALKER DIGITAL, LLC</b>																
Patents By Year of Grant:	50	15	22	15	16	15	15	20	20	20	14	10	7	0	0	239
Patents By Year of Application:	113	16	16	18	13	42	7	4	4	3	2	1	0	0	0	239
<b>DISNEY ENTERPRISES, INC.</b>																
Patents By Year of Grant:	8	1	2	3	2	3	4	4	6	13	28	43	41	44	36	238
Patents By Year of Application:	15	0	4	5	12	4	13	39	22	44	25	30	19	6	0	238
<b>CERTAINTEED CORP.</b>																
Patents By Year of Grant:	52	11	16	12	6	10	8	5	6	7	14	17	20	26	27	237
Patents By Year of Application:	80	15	14	14	10	6	5	10	18	13	11	18	9	13	1	237
<b>FICHTEL + SACHS AG</b>																
Patents By Year of Grant:	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	237
Patents By Year of Application:	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	237
<b>POLARIS INDUSTRIES, INC.</b>																
Patents By Year of Grant:	17	4	3	14	15	24	10	12	12	20	14	22	23	18	29	237
Patents By Year of Application:	24	15	32	18	17	17	11	23	9	17	17	24	8	5	0	237
<b>REHRIG-PACIFIC COMPANY, INC.</b>																
Patents By Year of Grant:	39	8	10	3	14	26	14	8	10	19	19	19	19	17	11	236
Patents By Year of Application:	75	17	20	15	19	12	10	11	15	11	8	13	8	2	0	236
<b>SNECMA MOTEURS</b>																
Patents By Year of Grant:	4	13	30	37	27	74	38	13	0	0	0	0	0	0	0	236
Patents By Year of Application:	52	48	28	86	21	1	0	0	0	0	0	0	0	0	0	236
<b>STANFORD UNIVERSITY</b>																
Patents By Year of Grant:	31	10	8	9	14	12	6	15	4	17	17	22	21	19	31	236
Patents By Year of Application:	59	11	16	15	17	16	14	17	13	10	15	13	14	5	1	236
<b>DONNELLY CORPORATION</b>																
Patents By Year of Grant:	77	16	17	13	14	9	12	13	12	11	10	12	10	7	2	235
Patents By Year of Application:	109	17	14	14	12	4	12	7	6	11	11	6	9	2	1	235
<b>GATES CORPORATION</b>																
Patents By Year of Grant:	29	14	25	9	8	19	7	9	9	15	18	17	22	14	20	235
Patents By Year of Application:	69	22	12	15	8	13	15	20	13	12	12	16	3	5	0	235
<b>CORNING CABLE SYSTEMS LLC</b>																
Patents By Year of Grant:	3	18	18	16	11	12	15	8	12	20	10	19	18	27	27	234
Patents By Year of Application:	50	9	8	17	9	16	20	11	17	17	18	16	26	0	0	234

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	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>ASMO CO., LTD.</b>																	
Patents By Year of Grant:	55	19	21	10	7	12	11	9	8	18	12	13	9	8	21	233	
Patents By Year of Application:	95	19	8	21	8	11	15	10	9	2	15	12	8	0	0	233	
<b>TECUMSEH PRODUCTS COMPANY</b>																	
Patents By Year of Grant:	74	23	20	26	24	22	20	6	5	4	4	4	1	0	0	233	
Patents By Year of Application:	113	25	43	21	13	8	5	2	2	0	0	1	0	0	0	233	
<b>AIRBUS FRANCE</b>																	
Patents By Year of Grant:	0	1	15	21	16	22	24	27	21	36	37	12	0	0	0	232	
Patents By Year of Application:	9	27	25	36	59	35	26	12	3	0	0	0	0	0	0	232	
<b>FOCKE &amp; CO.</b>																	
Patents By Year of Grant:	122	19	22	10	1	6	8	5	7	6	9	2	4	8	3	232	
Patents By Year of Application:	171	12	9	8	7	2	4	5	8	4	0	1	1	0	0	232	
<b>SEB S.A.</b>																	
Patents By Year of Grant:	62	10	9	19	4	15	1	18	11	7	15	17	15	17	12	232	
Patents By Year of Application:	78	24	22	14	12	16	13	20	11	9	5	2	3	3	0	232	
<b>ZIMMER SPINE, INC.</b>																	
Patents By Year of Grant:	0	0	0	1	2	9	6	4	14	40	51	40	20	29	16	232	
Patents By Year of Application:	4	6	21	31	16	33	39	19	13	6	15	17	7	5	0	232	
<b>KEIHIN CORPORATION</b>																	
Patents By Year of Grant:	16	10	12	8	12	23	31	16	18	16	8	12	18	18	13	231	
Patents By Year of Application:	35	9	15	19	46	30	11	13	20	12	9	6	6	0	0	231	
<b>MITUTOYO CORPORATION</b>																	
Patents By Year of Grant:	38	19	20	12	6	14	12	9	7	6	15	16	14	15	27	230	
Patents By Year of Application:	73	16	7	12	15	6	10	10	11	17	15	26	11	1	0	230	
<b>Chrysler Group LLC</b>																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	27	59	20	19	26	65	13	229	
Patents By Year of Application:	0	0	3	1	12	38	44	25	6	13	41	41	5	0	0	229	
<b>COMMISSARIAT A L'ENERGIE ATOMIQUE</b>																	
Patents By Year of Grant:	79	9	10	9	6	10	10	13	16	14	13	25	9	5	1	229	
Patents By Year of Application:	103	16	13	16	12	25	18	14	7	3	2	0	0	0	0	229	
<b>KAYABA INDUSTRY CO., LTD.</b>																	
Patents By Year of Grant:	36	8	10	10	3	9	13	11	8	12	21	13	24	20	31	229	
Patents By Year of Application:	56	8	9	9	13	22	22	14	23	18	10	18	7	0	0	229	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>MCDONNELL DOUGLAS CORP.</b>																
Patents By Year of Grant:	221	4	0	3	0	0	0	1	0	0	0	0	0	0	0	229
Patents By Year of Application:	227	2	0	0	0	0	0	0	0	0	0	0	0	0	0	229
<b>Sanofi-Aventis Deutschland GmbH</b>																
Patents By Year of Grant:	0	0	0	0	0	0	1	0	1	1	2	23	38	61	102	229
Patents By Year of Application:	0	0	1	3	8	6	12	18	24	71	57	17	10	2	0	229
<b>AGCO CORPORATION</b>																
Patents By Year of Grant:	15	5	7	6	1	3	0	7	5	16	25	35	30	36	37	228
Patents By Year of Application:	28	5	2	1	3	9	12	12	38	13	36	43	23	3	0	228
<b>DYSON TECHNOLOGY LIMITED</b>																
Patents By Year of Grant:	0	0	0	0	0	4	5	4	8	5	17	21	59	57	48	228
Patents By Year of Application:	6	3	10	1	9	9	16	12	7	68	34	31	19	3	0	228
<b>SHOWA CORPORATION</b>																
Patents By Year of Grant:	44	24	13	13	13	12	10	11	6	10	10	8	3	20	31	228
Patents By Year of Application:	75	23	21	10	15	7	11	9	3	3	5	14	24	6	2	228
<b>VERMEER MANUFACTURING COMPANY, INC.</b>																
Patents By Year of Grant:	40	20	10	16	15	12	9	11	17	16	11	15	11	11	14	228
Patents By Year of Application:	70	19	11	14	16	15	18	22	7	15	4	11	6	0	0	228
<b>DELL PRODUCTS, L.P.</b>																
Patents By Year of Grant:	68	12	9	13	12	13	14	12	14	13	16	6	6	5	14	227
Patents By Year of Application:	94	12	15	14	17	16	8	20	11	5	2	8	4	1	0	227
<b>Fu Zhun Precision Industry (Shenzhen) Co., Ltd.</b>																
Patents By Year of Grant:	0	0	0	0	0	1	13	20	35	39	39	48	26	4	2	227
Patents By Year of Application:	0	1	1	9	27	42	51	35	39	17	5	0	0	0	0	227
<b>HUNTER DOUGLAS, INC.</b>																
Patents By Year of Grant:	48	13	10	13	12	17	14	10	18	10	8	11	21	11	11	227
Patents By Year of Application:	74	16	16	14	7	29	12	8	13	9	13	9	5	2	0	227
<b>FMC CORPORATION</b>																
Patents By Year of Grant:	195	20	1	1	0	1	0	0	1	2	1	0	2	2	0	226
Patents By Year of Application:	217	0	0	1	0	1	1	2	0	3	1	0	0	0	0	226
<b>LAITRAM, L.L.C.</b>																
Patents By Year of Grant:	30	9	10	12	7	15	14	6	15	11	13	15	18	23	28	226
Patents By Year of Application:	46	11	13	12	18	10	13	19	17	11	15	19	17	2	3	226

---- Organizational Patenting (Granted: Jan 01, 1996 - Dec 31, 2015) ---- Ranked List of Organizations with 200 or More Patents ----

	Pre																
	2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL	
<b>NISCA CORPORATION</b>																	
Patents By Year of Grant:	48	8	23	14	14	11	9	17	12	11	14	14	13	9	9	226	
Patents By Year of Application:	75	22	16	17	17	10	15	13	7	15	7	4	6	1	1	226	
<b>THE CLEVELAND CLINIC FOUNDATION</b>																	
Patents By Year of Grant:	17	10	15	12	1	9	5	7	11	17	17	16	24	31	34	226	
Patents By Year of Application:	48	8	14	16	6	21	15	20	15	14	15	17	15	2	0	226	
<b>KOMORI CORPORATION</b>																	
Patents By Year of Grant:	44	21	27	13	12	16	9	7	12	8	7	15	8	11	14	224	
Patents By Year of Application:	98	7	12	22	14	11	5	26	9	5	2	7	6	0	0	224	
<b>SUMITOMO HEAVY INDUSTRIES, LTD.</b>																	
Patents By Year of Grant:	54	10	7	12	7	11	8	7	11	8	15	8	16	15	35	224	
Patents By Year of Application:	74	17	11	17	8	11	8	10	9	14	5	21	14	5	0	224	
<b>VESTAS WIND SYSTEMS A/S</b>																	
Patents By Year of Grant:	0	0	1	2	1	0	3	0	3	20	37	42	30	41	44	224	
Patents By Year of Application:	0	5	11	8	7	1	8	29	62	58	23	10	1	0	1	224	
<b>GRACO CHILDREN'S PRODUCTS, INC.</b>																	
Patents By Year of Grant:	54	5	13	7	11	10	8	17	16	20	16	15	10	11	10	223	
Patents By Year of Application:	75	11	13	11	13	19	24	12	13	9	6	10	5	2	0	223	
<b>ALLIANT TECHSYSTEMS INC.</b>																	
Patents By Year of Grant:	30	13	7	13	7	10	6	10	10	19	13	23	30	21	10	222	
Patents By Year of Application:	63	6	18	12	9	24	9	11	17	17	14	17	4	1	0	222	
<b>MITSUBISHI MATERIALS CORPORATION</b>																	
Patents By Year of Grant:	69	12	11	7	12	9	8	6	4	7	17	13	16	20	11	222	
Patents By Year of Application:	95	16	13	5	9	6	12	18	14	14	11	7	2	0	0	222	
<b>INA WALZLAGER SCHAEFFLER OHG</b>																	
Patents By Year of Grant:	135	50	24	5	5	2	0	0	0	0	0	0	0	0	0	221	
Patents By Year of Application:	209	9	2	1	0	0	0	0	0	0	0	0	0	0	0	221	
<b>UNITED STATES OF AMERICA, AIR FORCE</b>																	
Patents By Year of Grant:	95	17	16	10	10	5	6	8	8	4	8	11	12	9	2	221	
Patents By Year of Application:	130	12	10	6	14	7	2	9	9	10	6	4	2	0	0	221	
<b>AUTONETWORKS TECHNOLOGIES, LTD.</b>																	
Patents By Year of Grant:	4	29	37	27	13	20	10	8	6	8	14	10	4	9	21	220	
Patents By Year of Application:	61	36	14	16	24	8	7	14	3	8	9	17	2	1	0	220	

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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>Invention Science Fund I, LLC</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	10	24	53	59	39	35	220
Patents By Year of Application:	0	0	0	5	12	26	42	45	36	35	12	7	0	0	0	220
<b>MTU AERO ENGINES GMBH</b>																
Patents By Year of Grant:	0	6	5	7	9	8	13	7	14	28	12	16	32	28	35	220
Patents By Year of Application:	16	11	17	30	31	18	24	15	19	19	12	6	2	0	0	220
<b>ENDRESS + HAUSER GMBH + CO.</b>																
Patents By Year of Grant:	39	14	14	13	14	12	14	11	6	11	11	16	17	15	12	219
Patents By Year of Application:	71	18	28	20	17	8	13	6	16	14	6	2	0	0	0	219
<b>LIFETIME PRODUCTS, INC.</b>																
Patents By Year of Grant:	22	9	7	6	18	23	10	12	13	24	19	10	20	16	10	219
Patents By Year of Application:	34	14	33	11	22	19	16	10	6	8	15	17	9	4	1	219
<b>FANUC LTD.</b>																
Patents By Year of Grant:	61	8	5	5	6	22	28	28	13	20	14	8	0	0	0	218
Patents By Year of Application:	78	2	15	27	29	20	19	15	8	5	0	0	0	0	0	218
<b>MANNESMANN VDO AG</b>																
Patents By Year of Grant:	97	71	37	7	3	2	0	0	1	0	0	0	0	0	0	218
Patents By Year of Application:	214	1	2	1	0	0	0	0	0	0	0	0	0	0	0	218
<b>SPX CORPORATION</b>																
Patents By Year of Grant:	36	10	18	19	24	29	17	11	10	14	13	8	6	1	2	218
Patents By Year of Application:	64	35	35	21	17	11	14	7	3	8	3	0	0	0	0	218
<b>Zamtec Limited</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	54	128	36	0	218
Patents By Year of Application:	0	0	0	0	0	0	2	14	23	102	63	8	6	0	0	218
<b>COOK INC.</b>																
Patents By Year of Grant:	43	11	12	11	8	6	10	11	29	58	17	1	0	0	0	217
Patents By Year of Application:	77	16	14	31	28	18	18	12	2	1	0	0	0	0	0	217
<b>MODINE MANUFACTURING COMPANY</b>																
Patents By Year of Grant:	47	11	15	19	23	19	11	9	7	7	8	9	13	10	8	216
Patents By Year of Application:	78	27	22	22	9	12	12	12	6	4	6	3	1	2	0	216
<b>KONICA MINOLTA BUSINESS TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	5	14	14	15	36	33	35	36	23	4	215
Patents By Year of Application:	0	1	0	23	18	21	29	22	30	21	25	20	5	0	0	215



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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>LORD CORPORATION</b>																
Patents By Year of Grant:	92	18	9	11	5	6	6	5	4	6	12	13	16	5	3	211
Patents By Year of Application:	125	13	8	2	8	11	12	7	8	11	5	1	0	0	0	211
<b>R. J. REYNOLDS TOBACCO COMPANY</b>																
Patents By Year of Grant:	45	4	2	1	4	9	16	10	8	19	16	11	17	16	33	211
Patents By Year of Application:	52	10	22	11	9	12	11	11	15	21	17	13	7	0	0	211
<b>HYUNDAI MOBIS, CO., LTD.</b>																
Patents By Year of Grant:	0	0	1	5	26	38	27	26	14	14	12	12	8	8	19	210
Patents By Year of Application:	0	26	43	26	32	8	15	14	11	5	6	3	4	15	2	210
<b>KEIPER GMBH &amp; CO.</b>																
Patents By Year of Grant:	7	8	17	18	8	15	20	11	14	11	8	7	19	14	33	210
Patents By Year of Application:	24	21	14	8	21	20	15	18	15	20	21	13	0	0	0	210
<b>FMC TECHNOLOGIES, INC.</b>																
Patents By Year of Grant:	0	25	42	24	28	31	21	8	6	3	6	4	1	5	4	208
Patents By Year of Application:	67	43	31	26	8	7	7	3	7	3	6	0	0	0	0	208
<b>HAWORTH, INC.</b>																
Patents By Year of Grant:	98	16	12	5	8	5	5	9	8	11	7	11	1	7	5	208
Patents By Year of Application:	127	8	12	0	8	12	7	8	4	8	6	3	2	3	0	208
<b>NSK-WARNER K. K.</b>																
Patents By Year of Grant:	62	16	11	15	11	14	8	10	11	15	12	5	11	4	3	208
Patents By Year of Application:	91	15	14	13	17	14	13	10	10	4	4	2	0	1	0	208
<b>SIEMENS VDO AUTOMOTIVE CORPORATION</b>																
Patents By Year of Grant:	0	7	25	34	55	30	47	9	0	1	0	0	0	0	0	208
Patents By Year of Application:	48	39	45	52	16	7	1	0	0	0	0	0	0	0	0	208
<b>THK CO., LTD.</b>																
Patents By Year of Grant:	52	16	16	15	8	4	6	10	4	9	21	22	13	9	3	208
Patents By Year of Application:	87	16	9	19	17	17	12	13	4	6	4	2	2	0	0	208
<b>MORTON INTERNATIONAL, INC.</b>																
Patents By Year of Grant:	207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	207
Patents By Year of Application:	207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	207
<b>JULIUS BLUM GMBH</b>																
Patents By Year of Grant:	48	4	6	6	3	4	3	4	7	10	17	10	24	33	27	206
Patents By Year of Application:	58	10	5	4	5	4	16	12	7	12	15	19	28	10	1	206





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	Pre 2002	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
<b>VALEO S.A.</b>																
Patents By Year of Grant:	154	21	10	14	3	0	1	0	0	0	0	0	0	0	0	203
Patents By Year of Application:	188	14	1	0	0	0	0	0	0	0	0	0	0	0	0	203
<b>Abbott Diabetes Care Inc.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	1	1	4	16	50	36	38	37	19	202
Patents By Year of Application:	0	0	7	6	11	13	26	35	51	22	10	13	1	7	0	202
<b>DANFOSS A/S</b>																
Patents By Year of Grant:	91	12	9	6	4	4	10	2	3	8	12	10	7	10	14	202
Patents By Year of Application:	114	7	11	12	11	5	7	7	13	7	4	3	1	0	0	202
<b>KEY SAFETY SYSTEMS, INC.</b>																
Patents By Year of Grant:	0	0	0	33	42	28	21	31	10	12	6	2	5	9	3	202
Patents By Year of Application:	7	26	49	26	35	17	12	9	4	5	2	8	2	0	0	202
<b>VOLVO CONSTRUCTION EQUIPMENT HOLDING SWEDEN AB</b>																
Patents By Year of Grant:	0	0	0	6	12	6	19	18	12	23	23	19	23	23	18	202
Patents By Year of Application:	0	8	13	13	33	28	25	29	16	29	4	0	4	0	0	202
<b>B/E AEROSPACE INCORPORATED</b>																
Patents By Year of Grant:	15	6	4	13	3	12	14	7	12	8	14	14	20	19	40	201
Patents By Year of Application:	28	7	7	19	5	10	20	18	10	13	12	19	22	10	1	201
<b>SIEMENS WESTINGHOUSE POWER CORPORATION</b>																
Patents By Year of Grant:	67	16	20	36	45	16	0	0	0	0	0	0	0	0	0	200
Patents By Year of Application:	107	44	41	8	0	0	0	0	0	0	0	0	0	0	0	200
<b>SUMITOMO METAL INDUSTRIES CO., LTD.</b>																
Patents By Year of Grant:	62	8	3	7	5	9	10	12	6	18	28	26	3	3	0	200
Patents By Year of Application:	74	8	6	3	16	19	12	21	20	14	6	1	0	0	0	200
<b>Other Organizations (114719)</b>																
Patents By Year of Grant:	142823	25630	25764	23277	20568	22694	19423	18660	18620	25575	26078	29388	32926	36707	38665	506798
Patents By Year of Application:	201045	30520	29813	27129	25700	25315	25669	24920	24352	25496	24922	21300	14573	5567	477	506798