



2003 TOP PATENT OWNERS

Numerical Listing

Rank	Organization	Patents	Rank	Organization	Patents
1	International Business Machines Corp.	3415	43	Nortel Networks Corp.	434
2	Hitachi, Ltd.	2085	44	Taiwan Semiconductor Manufacturing Co., Ltd.	431
3	Canon K.K.	2044	45	E.I. du Pont de Nemours and Co.	428
4	Matsushita Electric Industrial Co., Ltd.	1813	46	Ford Global Technologies, Inc.	422
5	Hewlett-Packard Co.	1768	47	Ricoh Co., Ltd.	410
6	Micron Technology, Inc.	1707	48	LG Electronics Inc.	409
7	Intel Corp.	1592	49	Seagate Technology, LLC	397
8	Siemens A.G.	1486	50	Agilent Technologies, Inc.	391
9	General Electric Co.	1423	51	Hon Hai Precision Ind. Co., Ltd.	391
10	Fujitsu Ltd.	1416	52	LSI Logic Corp.	375
11	Koninklijke Philips Electronics, N.V.	1369	53	Sanyo Electric Co., Ltd.	373
12	Toshiba Corp.	1328	54	Kimberly-Clark Worldwide, Inc.	373
13	Samsung Electronics Co., Ltd.	1313	55	U.S. Navy	358
14	Sony Corp.	1311	56	Bayer A.G.	348
15	Mitsubishi Denki K.K.	1243	57	Cisco Technology, Inc.	336
16	NEC Corp.	1181	58	Medtronic Inc.	318
17	Advanced Micro Devices, Inc.	905	59	Agere Systems Inc.	316
18	Fuji Photo Film Co., Ltd.	804	60	Sci-Med Life Systems, Inc.	311
19	Seiko Epson Corp.	764	61	Yazaki Corp.	311
20	Texas Instruments, Inc.	764	62	Nikon Corp.	299
21	Robert Bosch GmbH	753	63	OKI Electric Industry Co., Ltd.	294
22	Eastman Kodak Co.	748	64	General Motors Corp.	291
23	Motorola, Inc.	651	65	Semiconductor Energy Laboratory Co., Ltd.	273
24	Honda Motor Co., Ltd.	647	66	Toyota Jidosha K.K.	273
25	Infineon Technologies A.G.	639	67	Alcatel	269
26	Delphi Technologies, Inc.	635	68	Illinois Tool Works, Inc.	268
27	Lucent Technologies, Inc.	621	69	Boeing Co.	266
28	Xerox Corp.	613	70	NEC Electronics Corp.	263
29	3M Co.	612	71	ExxonMobil Corp.	261
30	Sun Microsystems, Inc.	564	72	Nissan Motor Co., Ltd.	260
31	Denso Corp.	552	73	Corning, Inc.	257
32	Applied Materials, Inc.	537	74	Alps Electric Co., Ltd.	252
33	Microsoft Corp.	523	75	Olympus Optical Co., Ltd.	251
34	Johnson & Johnson	515	76	United Technologies Corp.	251
35	Sharp Corp.	493	77	Visteon Global Technologies, LLC	245
36	BASF Group	488	78	Hynix Semiconductor Inc.	244
37	Pfizer, Inc.	487	79	Schlumberger Ltd.	241
38	Telefonaktiebolaget LM Ericsson	471	80	Heidelberger Druckmaschinen A.G.	240
39	Murata Manufacturing Co., Ltd.	446	81	Daimler-Chrysler AG	239
40	Honeywell, Inc.	438	82	TDK Corp.	231
41	Procter & Gamble Co.	438	83	Lockheed Martin Corp.	223
42	University of California	437	84	LG Philips LCD Co., Ltd.	222

2003 TOP PATENT OWNERS

Numerical Listing

Rank	Organization	Patents	Rank	Organization	Patents
85	Minolta Camera Co., Ltd.	221	132	Shin Etsu Chemical Co., Ltd.	136
86	Caterpillar, Inc.	220	133	Furukawa Electric Co., Ltd.	134
87	National Semiconductor Corp.	217	134	TRW, Inc.	134
88	STMicroelectronics S.R.L.	216	135	Council of Scientific and Industrial Research	133
89	Nokia Corp.	212	136	LAM Research Corp.	132
90	AT&T Corp.	208	137	Bristol-Myers Squibb Co.	131
91	L'Oreal S.A.	208	138	Dell Products, L.P.	130
92	Industrial Technology Research Institute	207	139	Fuji Photo Optical Co., Ltd.	130
93	Pioneer Corp.	204	140	SmithKline Beecham Corp.	130
94	Nokia Mobile Phones Ltd.	202	141	Henkel KGaA	129
95	3Com Corp.	200	142	Merck Patent GmbH	129
96	Unilever	197	143	U.S. Army	129
97	Pentax Corp.	194	144	Lexmark International, Inc.	128
98	Tokyo Electron Limited	191	145	Rohm Co., Ltd.	128
99	United Microelectronics Corp.	188	146	Massachusetts Institute of Technology	127
100	Halliburton Energy Services, Inc.	186	147	Sumitomo Rubber Industries, Ltd.	127
101	Cypress Semiconductor Corp.	185	148	CIBA Specialty Chemicals Corp.	124
102	Thomson Licensing S.A.	185	149	Silverbrook Research Pty., Ltd.	122
103	Advanced Cardiovascular Systems, Inc.	184	150	Samsung SDI Co., Ltd.	118
104	Raytheon Co.	184	151	Analog Devices, Inc.	116
105	Sumitomo Electric Industries, Co., Ltd.	183	152	Abbott Laboratories	114
106	Ericsson, Inc.	181	153	Sharp Laboratories of America, Inc.	114
107	Macronix International Co., Ltd.	181	154	Yamaha Corp.	113
108	Hyundai Electronics Industries Co., Ltd.	179	155	Cardiac Pacemakers, Inc.	112
109	Seiko Instruments Inc.	179	156	Institut Francais du Petrole	109
110	Qualcomm, Inc.	178	157	Aisin Seiki KK	108
111	Fuji Xerox Co., Ltd.	174	158	Southpac Trust International, Inc.	106
112	Sumitomo Chemical Co., Ltd.	174	159	Asahi Glass Co., Ltd.	105
113	Goodyear Tire & Rubber Co.	170	160	Brother Kogyo K.K.	105
114	Dow Chemical Co.	169	161	Hyundai Motor Co., Ltd.	105
115	Broadcom Corp.	167	162	Uni-Charm Corp.	105
116	Sumitomo Wiring Systems, Ltd. Co.	167	163	NSK Ltd.	104
117	NCR Corp.	166	164	Akzo Nobel, N.V.	103
118	Deere & Co.	162	165	Degussa A.G.	102
119	Merck & Co.	162	166	Electronics and Telecommunications Research Institute	102
120	Baker Hughes Inc.	161	167	Verizon Communications	102
121	Rohm & Haas Co.	155	168	Bridgestone Corp.	100
122	Mitsubishi Heavy Industries Co., Ltd.	153	169	Chartered Semiconductor Manufacturing PTE Ltd.	100
123	Northrop Grumman Corp.	150	170	Shell Oil Co.	100
124	Aventis	148	171	Tyco Electronics Corp.	100
125	NGK Insulators Ltd.	147	172	ADC Telecommunications, Inc.	100
126	STMicroelectronics S.A.	147	173	STMicroelectronics, Inc.	99
127	Konica Corp.	146	174	Unisys Corp.	99
128	EMC Corp.	139	175	Air Products and Chemicals, Inc.	97
129	Eaton Corp.	135	176	Koito Manufacturing Co., Ltd.	97
130	California Institute of Technology	138	177	Pitney Bowes, Inc.	95
131	Xilinx, Inc.	137	178	Ebara Corp.	94

2003 TOP PATENT OWNERS

Numerical Listing

Rank	Organization	Patents	Rank	Organization	Patents
179	Milliken & Co.	94	225	Millennium Pharmaceuticals, Inc.	78
180	University of Texas	94	226	Nitto Denko Corp.	78
181	Air Liquide Group	93	227	Acushnet Co.	77
182	ConocoPhillips	93	228	Delta Electronics Inc.	77
183	Komatsu Ltd.	93	229	Nexpress Solutions LLC	76
184	Avaya Technology Corp.	92	230	Pacesetter, Inc.	76
185	Kao Corp.	92	231	Winbond Electronics Corp.	76
186	NGK Spark Plug Co., Ltd.	92	232	Fuji Electric Co., Ltd.	74
187	Toshiba Tec K.K.	92	233	MCI, Inc.	74
188	Advantest Corp.	91	234	Case Corp.	73
189	BellSouth Corp.	91	235	Nestec, S.A.	73
190	Dai Nippon Printing Co., Ltd.	91	236	Sarnoff Corporation & Co., Ltd.	73
191	Carrier Corp.	90	237	Weatherford/Lamb, Inc.	73
192	Alstom Ltd.	89	238	ITT Manufacturing Enterprises, Inc.	72
193	Amkor Technology, Inc.	89	239	Praxair Technology, Inc.	72
194	Becton, Dickinson and Co.	88	240	ATI International S.R.L.	71
195	Nippon Shokubai Co., Ltd.	88	241	Genentech, Inc.	71
196	Sandia Corp.	88	242	Harris Corp.	71
197	Colgate-Palmolive Co.	87	243	Hughes Electronics Corp.	71
198	Eli Lilly and Co.	87	244	Internatonal Game Technology (IGT)	71
199	U.S. Health & Human Services	85	245	Nippon Sheet Glass Co., Ltd.	71
200	Hilti A.G.	86	246	Battelle Memorial Institute	70
201	Toyoda Gosei K.K.	86	247	Dana Corp.	70
202	Stanford University	85	248	Interdigital Communications Corp.	70
203	Hoffmann-La Roche Inc.	84	249	Johns Hopkins University	70
204	Human Genome Sciences, Inc.	84	250	Showa Denko K.K.	70
205	Novartis A.G.	84	251	Tokai Rika Denki Seisakusho K.K.	70
206	Shimano Inc.	84	252	Warner-Lambert Co.	69
207	Wisconsin Alumni Research Foundation	84	253	Callaway Golf Co.	68
208	Wyeth	84	254	General Hospital Corp.	68
209	Black & Decker Inc.	83	255	Goodrich Corp.	68
210	Cirrus Logic, Inc.	83	256	Kyocera Corp.	68
211	Fuji Jukogyo K.K.	83	257	Rockwell Collins, Inc.	68
212	Lear Corp.	83	258	U.S. Air Force	68
213	Astrazeneca A.B.	82	259	Altera Corp.	67
214	Commissariat A l'Energie Atomique	82	260	DaimlerChrysler Corp.	67
215	Conexant Systems, Inc.	82	261	UOP	67
216	Minebea Co., Ltd.	81	262	Avery Dennison Corp.	66
217	Agfa-Gevaert N.V.	80	263	Baxter International Inc.	66
218	Apple Computer, Inc.	80	264	Mitsui Chemicals, Inc.	66
219	PPG Industries Ohio, Inc.	80	265	Amgen, Inc.	65
220	U.S.National Aeronautics and Space Administration	80	266	Daikin Industries, Ltd.	65
221	Fraunhofer-Gesellschaft...E.V.	79	267	Isis Pharmaceuticals, Inc.	65
222	Rolls-Royce PLC	79	268	Kaneka Corp.	65
223	Samsung Electro-Mechanics Co., Ltd.	79	269	Metso Paper, Inc.	65
224	Eastman Chemical Co.	78	270	Sony Computer Entertainment Inc.	65

2003 TOP PATENT OWNERS

Numerical Listing

Rank	Organization	Patents	Rank	Organization	Patents
271	Toyota Jidoshokki Seisakusho K.K.	65	287	Toyota Jidoshokki K.K.	61
272	UT-Battelle, LLC	65	288	Schering Corp.	61
273	Nippon Telegraph & Telephone Corp.	64	289	Asahi Kasei Kogyo K.K.	60
274	Victor Company of Japan, Ltd.	64	290	Autonetworks Technologies, Inc.	60
275	Clariant GmbH	63	291	Korea Advanced Institute of Science and Technology	60
276	DSM N.V.	63	292	Omron Corp.	60
277	Rockwell Automation Technologies, Inc.	63	293	Siliconware Precision Industries Co., Ltd.	60
278	SBC Communications	53	294	Cornell Research Foundation	59
279	U.S. Dept. of Agriculture	63	295	JDS Uniphase Corp.	59
280	University of Michigan	63	296	Konami Co., Ltd.	59
281	Mitutoyo Corp.	62	297	Maxtor Corp.	59
282	Toray Industries Inc.	62	298	Nippon Steel Corp.	59
283	Applera Corp.	61	299	Novozymes A/S	59
284	Bayer Corp.	61	300	Rambus, Inc.	59
285	Columbia University	61	301	Symbol Technologies, Inc.	59
286	Hill-Rom Company, Inc.	61	302	Western Digital Technologies, Inc.	59

NOTES

1. IPO publishes this report annually as a service to its members. This report was compiled from data obtained from the U.S. Patent and Trademark Office. Patents reported are utility patents granted during 2003 that listed the owner on the printed patent document. Data in this report may differ from data obtained from patent assignment records, because of assignments recorded after patents are printed. Patents granted jointly to two or more companies are attributed to the company listed first on the patent.
2. Patents in the names of subsidiaries or other related companies have been combined with patents in the name of the parent if requested by the parent company. IPO will list 2004 patents in the name of the parent company that were granted to subsidiaries if the parent company provides the names of its subsidiaries to IPO by February 1, 2005.
3. For annual lists back to 1984, see General Publications, "Top Patent Owners" on www.ipo.org.



2003 TOP PATENT OWNERS

Alphabetical Listing

Rank	Organization	Patents	Rank	Organization	Patents
95	3Com Corp.	200	209	Black & Decker Inc.	83
29	3M Co.	612	69	Boeing Co.	266
152	Abbott Laboratories	114	168	Bridgestone Corp.	100
227	Acushnet Co.	77	137	Bristol-Myers Squibb Co.	131
172	ADC Telecommunications, Inc.	100	115	Broadcom Corp.	167
103	Advanced Cardiovascular Systems, Inc.	184	160	Brother Kogyo K.K.	105
17	Advanced Micro Devices, Inc.	905	130	California Institute of Technology	138
188	Advantest Corp.	91	253	Callaway Golf Co.	68
59	Agere Systems Inc.	316	3	Canon K.K.	2044
217	Agfa-Gevaert N.V.	80	155	Cardiac Pacemakers, Inc.	112
50	Agilent Technologies, Inc.	391	191	Carrier Corp.	90
181	Air Liquide Group	93	234	Case Corp.	73
175	Air Products and Chemicals, Inc.	97	86	Caterpillar, Inc.	220
157	Aisin Seiki K.K.	108	169	Chartered Semiconductor Manufacturing PTE Ltd.	100
164	Akzo Nobel, N.V.	103	148	CIBA Specialty Chemicals Corp.	124
67	Alcatel	269	210	Cirrus Logic, Inc.	83
74	Alps Electric Co., Ltd.	252	57	Cisco Technology, Inc.	336
192	Alstom Ltd.	89	275	Clariant GmbH	63
259	Altera Corp.	67	197	Colgate-Palmolive Co.	87
265	Amgen, Inc.	65	285	Columbia University	61
193	Amkor Technology, Inc.	89	214	Commissariat A l'Energie Atomique	82
151	Analog Devices, Inc.	116	215	Conexant Systems, Inc.	82
218	Apple Computer, Inc.	80	182	ConocoPhillips	93
283	Applera Corp.	61	294	Cornell Research Foundation	59
32	Applied Materials, Inc.	537	73	Corning, Inc.	257
159	Asahi Glass Co., Ltd.	105	135	Council of Scientific and Industrial Research	133
289	Asahi Kasei Kogyo K.K.	60	101	Cypress Semiconductor Corp.	185
213	Astrazeneca A.B.	82	190	Dai Nippon Printing Co., Ltd.	91
90	AT&T Corp.	208	266	Daikin Industries, Ltd.	65
240	ATI International SRL	71	81	Daimler-Chrysler AG	239
290	Autonetworks Technologies, Inc.	60	260	DaimlerChrysler Corp.	67
184	Avaya Technology Corp.	92	247	Dana Corp.	70
124	Aventis	148	118	Deere & Co.	162
262	Avery Dennison Corp.	66	165	Degussa A.G.	102
120	Baker Hughes Inc.	161	138	Dell Products, L.P.	130
36	BASF Group	488	26	Delphi Technologies, Inc.	635
246	Battelle Memorial Institute	70	228	Delta Electronics Inc.	77
263	Baxter International Inc.	66	31	Denso Corp.	552
56	Bayer A.G.	348	114	Dow Chemical Co.	169
284	Bayer Corp.	61	276	DSM N.V.	63
194	Becton, Dickinson and Co.	88	45	E.I. du Pont de Nemours and Co.	428
189	BellSouth Corp.	91	224	Eastman Chemical Co.	78

2003 TOP PATENT OWNERS

Alphabetical Listing

Rank	Organization	Patents	Rank	Organization	Patents
22	Eastman Kodak Co.	748	244	International Game Technology (IGT)	71
129	Eaton Corp.	135	267	Isis Pharmaceuticals, Inc.	65
178	Ebara Corp.	94	238	ITT Manufacturing Enterprises, Inc.	72
166	Electronics and Telecommunications Research Institute	102	295	JDS Uniphase Corp.	59
198	Eli Lilly and Co.	87	249	Johns Hopkins University	70
128	EMC Corp.	139	34	Johnson & Johnson	515
106	Ericsson, Inc.	181	268	Kaneka Corp.	65
71	ExxonMobil Corp.	261	185	Kao Corp.	92
46	Ford Global Technologies, Inc.	422	54	Kimberly-Clark Worldwide, Inc.	373
221	Fraunhofer-Gesellschaft...E.V.	79	176	Koito Manufacturing Co., Ltd.	97
232	Fuji Electric Co., Ltd.	74	183	Komatsu Ltd.	93
211	Fuji Jukogyo K.K.	83	296	Konami Co., Ltd.	59
18	Fuji Photo Film Co., Ltd.	804	127	Konica Corp.	146
139	Fuji Photo Optical Co., Ltd.	130	11	Koninklijke Philips Electronics, N.V.	1369
111	Fuji Xerox Co., Ltd.	174	291	Korea Advanced Institute of Science and Technology	60
10	Fujitsu Ltd.	1416	256	Kyocera Corp.	68
133	Furukawa Electric Co., Ltd.	134	136	LAM Research Corp.	132
241	Genentech, Inc.	71	212	Lear Corp.	83
9	General Electric Co.	1423	144	Lexmark International, Inc.	128
254	General Hospital Corp.	68	48	LG Electronics Inc.	409
64	General Motors Corp.	291	84	LG Philips LCD Co., Ltd.	222
255	Goodrich Corp.	68	83	Lockheed Martin Corp.	223
113	Goodyear Tire & Rubber Co.	170	91	L'Oreal S.A.	208
100	Halliburton Energy Services, Inc.	186	52	LSI Logic Corp.	375
242	Harris Corp.	71	27	Lucent Technologies, Inc.	621
80	Heidelberger Druckmaschinen AG	240	107	Macronix International Co., Ltd.	181
141	Henkel KGaA	129	146	Massachusetts Institute of Technology	127
5	Hewlett-Packard Co.	1768	4	Matsushita Electric Industrial Co., Ltd.	1813
286	Hill-Rom Company, Inc.	61	297	Maxtor Corp.	59
200	Hilti A.G.	86	233	MCI, Inc.	74
2	Hitachi, Ltd.	2085	58	Medtronic Inc.	318
203	Hoffmann-La Roche Inc.	84	119	Merck & Co.	162
51	Hon Hai Precision Ind. Co., Ltd.	391	142	Merck Patent GmbH	129
24	Honda Motor Co., Ltd.	647	269	Metso Paper, Inc.	65
40	Honeywell, Inc.	438	6	Micron Technology, Inc.	1707
243	Hughes Electronics Corp.	71	33	Microsoft Corp.	523
204	Human Genome Sciences, Inc.	84	225	Millennium Pharmaceuticals, Inc.	78
78	Hynix Semiconductor Inc.	244	179	Milliken & Co.	94
108	Hyundai Electronics Industries Co., Ltd.	179	216	Minebea Co., Ltd.	81
161	Hyundai Motor Co., Ltd.	105	85	Minolta Camera Co., Ltd.	221
68	Illinois Tool Works, Inc.	268	15	Mitsubishi Denki K.K.	1243
92	Industrial Technology Research Institute	207	122	Mitsubishi Heavy Industries Co., Ltd.	153
25	Infineon Technologies A.G.	639	264	Mitsui Chemicals, Inc.	66
156	Institut Francais du Petrole	109	281	Mitutoyo Corp.	62
7	Intel Corp.	1592	23	Motorola, Inc.	651
248	Interdigital Communications Corp.	70	39	Murata Manufacturing Co., Ltd.	446
1	International Business Machines Corp.	3415	87	National Semiconductor Corp.	217

2003 TOP PATENT OWNERS

Alphabetical Listing

Rank	Organization	Patents	Rank	Organization	Patents
117	NCR Corp.	166	53	Sanyo Electric Co., Ltd.	373
16	NEC Corp.	1181	236	Sarnoff Corporation & Co., Ltd.	73
70	NEC Electronics Corp.	263	278	SBC Communications	53
235	Nestec, S.A.	73	288	Schering Corp.	61
229	Nexpress Solutions LLC	76	79	Schlumberger Ltd.	241
125	NGK Insulators Ltd.	147	60	Sci-Med Life Systems, Inc.	311
186	NGK Spark Plug Co., Ltd.	92	49	Seagate Technology, LLC	397
62	Nikon Corp.	299	19	Seiko Epson Corp.	764
245	Nippon Sheet Glass Co., Ltd.	71	109	Seiko Instruments Inc.	179
195	Nippon Shokubai Co., Ltd.	88	65	Semiconductor Energy Laboratory Co., Ltd.	273
298	Nippon Steel Corp.	59	35	Sharp Corp.	493
273	Nippon Telegraph & Telephone Corp.	64	153	Sharp Laboratories of America, Inc.	114
72	Nissan Motor Co., Ltd.	260	170	Shell Oil Co.	100
226	Nitto Denko Corp.	78	206	Shimano Inc.	84
89	Nokia Corp.	212	132	Shin Etsu Chemical Co., Ltd.	136
94	Nokia Mobile Phones Ltd.	202	250	Showa Denko K.K.	70
43	Nortel Networks Corp.	434	8	Siemens A.G.	1486
123	Northrop Grumman Corp.	150	293	Siliconware Precision Industries Co., Ltd.	60
205	Novartis A.G.	84	149	Silverbrook Research Pty., Ltd.	122
299	Novozymes A/S	59	140	SmithKline Beecham Corp.	130
163	NSK Ltd.	104	270	Sony Computer Entertainment Inc.	65
63	OKI Electric Industry Co., Ltd.	294	14	Sony Corp.	1311
75	Olympus Optical Co., Ltd.	251	158	Southpac Trust International, Inc.	106
292	Omron Corp.	60	202	Stanford University	85
230	Pacesetter, Inc.	76	126	STMicroelectronics S.A.	147
97	Pentax Corp.	194	88	STMicroelectronics S.R.L.	216
37	Pfizer, Inc.	487	173	STMicroelectronics, Inc.	99
93	Pioneer Corp.	204	112	Sumitomo Chemical Co., Ltd.	174
177	Pitney Bowes, Inc.	95	105	Sumitomo Electric Industries, Co., Ltd.	183
219	PPG Industries Ohio, Inc.	80	147	Sumitomo Rubber Industries, Ltd.	127
239	Praxair Technology, Inc.	72	116	Sumitomo Wiring Systems, Ltd. Co.	167
41	Procter & Gamble Co.	438	30	Sun Microsystems, Inc.	564
110	Qualcomm, Inc.	178	301	Symbol Technologies, Inc.	59
300	Rambus, Inc.	59	44	Taiwan Semiconductor Manufacturing Co., Ltd.	431
104	Raytheon Co.	184	82	TDK Corp.	231
47	Ricoh Co., Ltd.	410	38	Telefonaktiebolaget LM Ericsson	471
21	Robert Bosch GmbH	753	102	Thomson Licensing S.A.	185
277	Rockwell Automation Technologies, Inc.	63	251	Tokai Rika Denki Seisakusho K.K.	70
257	Rockwell Collins, Inc.	68	98	Tokyo Electron Limited	191
121	Rohm & Haas Co.	155	20	Texas Instruments, Inc.	764
145	Rohm Co., Ltd.	128	251	Tokai Rika Denki Seisakusho K.K.	70
222	Rolls-Royce PLC	79	98	Tokyo Electron Limited	191
223	Samsung-Electro Mechanics Co., Ltd.	79	282	Toray Industries Inc.	62
13	Samsung Electronics Co., Ltd.	1313	12	Toshiba Corp.	1328
150	Samsung SDI Co., Ltd.	118	187	Toshiba Tec K.K.	92
196	Sandia Corp.	88	201	Toyoda Gosei K.K.	86

2003 TOP PATENT OWNERS

Alphabetical Listing

Rank	Organization	Patents	Rank	Organization	Patents
271	Toyoda Jidoshokki Seisakusho K.K.	65	280	University of Michigan	63
66	Toyota Jidosha K.K.	273	180	University of Texas	94
287	Toyota Jidoshokki K.K.	61	261	UOP	67
134	TRW, Inc.	134	272	UT-Battelle, LLC	65
171	Tyco Electronics Corp.	100	167	Verizon Communications	102
258	U.S. Air Force	68	274	Victor Company of Japan, Ltd.	64
143	U.S. Army	129	77	Visteon Global Technologies, LLC	245
279	U.S. Dept. of Agriculture	63	252	Warner-Lambert Co.	69
199	U.S. Health & Human Services	85	237	Weatherford/Lamb, Inc.	73
55	U.S. Navy	358	302	Western Digital Technologies, Inc.	59
220	U.S. National Aeronautics and Space Administration	80	231	Winbond Electronics Corp.	76
162	Uni-Charm Corp.	105	207	Wisconsin Alumni Research Foundation	84
96	Unilever	197	208	Wyeth	84
174	Unisys Corp.	99	28	Xerox Corp.	613
99	United Microelectronics Corp.	188	131	Xilinx, Inc.	137
76	United Technologies Corp.	251	154	Yamaha Corp.	113
42	University of California	437	61	Yazaki Corp.	311

NOTES

1. IPO publishes this report annually as a service to its members. This report was compiled from data obtained from the U.S. Patent and Trademark Office. Patents reported are utility patents granted during 2003 that listed the owner on the printed patent document. Data in this report may differ from data obtained from patent assignment records, because of assignments recorded after patents are printed. Patents granted jointly to two or more companies are attributed to the company listed first on the patent.

2. Patents in the names of subsidiaries or other related companies have been combined with patents in the name of the parent if requested by the parent company. IPO will list 2004 patents in the name of the parent company that were granted to subsidiaries if the parent company provides the names of its subsidiaries to IPO by February 1, 2005.

3. For annual lists back to 1984, see General Publications, "Top Patent Owners" on www.ipo.org.