

THE CORPORATE PATENT Scorecard

IFI CLAIMS® Patent Services, the most trusted and comprehensive source of U.S. patent information, has issued its annual listing of top patenting companies for 2003. **IBM Corporation** once again topped the list as the leader among companies receiving U.S. patents in 2003. With 3,439 U.S. patents granted, IBM received 72 percent more patents for the year than the next nearest company and has maintained the top position for 11 consecutive years.

Other companies to grace the top five include **Canon KK** of Japan, which holds second place with 1,997 patents for the year, followed by **Hitachi, Matsushita and Hewlett-Packard**. A partial list of the top 50 performers compiled by IFI using its CLAIMS® database follows and the full list is available on the company's web site at www.ificlaims.com.

"During the past 45 years, we have built a solid reputation as the preeminent producer of patent databases," said Darlene Slaughter, General Manager of IFI CLAIMS. "We've compiled this listing for the past few years running and many people look forward to seeing it appear each year. As a result, it is quickly emerging as the definitive listing of top U.S. patent earners for the year."

While the top 15 companies each received over 1,000 U.S. patents last year, only IBM exceeded 2,000 patents for the year. Based on about 169,000 total U.S. utility patents granted in 2003, IBM accounted for a solid 2 percent of all issued U.S. patents. The top 10 companies account for about 10 percent of the year's total patents granted; the top 15 companies for about 14.5 percent.

Big movers at the top include **Intel** which increased its U.S. patent portfolio by a whopping 515 patents, or 47.7 percent over last year. **Hitachi** also showed a respectable gain of 289 or 17.9 percent. There also was some downward movement among the top 20 patent-holders. **NEC Corporation's** patent issues dropped by 34.6 percent with 635 fewer patents granted than in 2002. **Advanced Micro Devices** also lost ground with a 21.3 percent reduction in patents granted, and **General Electric** received 19.6 percent fewer patents in 2003 than its 2002 total of 1,417.

Complete information on over 1,750 companies worldwide which received 10 or more U.S. patents in 2003 will be published in the **Patent Intelligence and Technology Report**, available in May from IFI CLAIMS® Patent Services. All counts in the Patent Information and Technology Report are based upon multiple assigned records of all Utility and Statutory patents. IFI produces monthly electronic updates of the Patent Intelligence and Technology Report which monitor current patenting activity throughout the year.

IFI CLAIMS® Patent Services (IFI CLAIMS®) joined Wolters Kluwer Health, Pharma Solutions division, a leading provider of knowledge based information, services and decision-support tools to the pharmaceutical and life sciences industries, in January 2004. Previously, IFI CLAIMS® was part of Aspen Publishing, also a Wolters Kluwer company.

RANK	NAME	U.S. PATENTS ISSUED IN 2003	RANK	NAME	U.S. PATENTS ISSUED IN 2003	RANK	NAME	U.S. PATENTS ISSUED IN 2003
1	International Business Machines Corp	3,439	46	BASF AG DE	396	93	Nokia Mobile Phones Ltd FI	202
2	Canon K K JP	1,997	48	Hon Hai Precision Industry Co Ltd TW	391	93	Tokyo Electron Ltd JP	202
3	Hitachi Ltd JP	1,906	49	Sonyo Electric Co Ltd JP	380	95	3Com Corp	200
4	Matsushita Electric Industrial Co Ltd JP	1,809	50	Honeywell International Inc	378	96	Pfizer Inc	198
5	Micron Technology Inc	1,708	50	LSI Logic Corp	378	97	Medtronic Inc	194
6	Intel Corp	1,595	52	U S of America Navy Secretary of	366	98	United Microelectronics Corp TW	187
7	Koninklijke Philips Electronics N V NL	1,356	53	Kimberly-Clark Worldwide Inc	365	99	Halliburton Energy Services Inc	186
8	Sony Corp JP	1,354	54	Bayer AG DE	355	99	Raytheon Co	186
9	Fujitsu Ltd JP	1,338	55	Ford Global Technologies LLC	350	101	Cypress Semiconductor Corp	185
10	Hewlett-Packard Development Co L P	1,321	55	Toyota Jidosha K K JP	350	101	Thomson Licensing S A FR	185
11	Samsung Electronics Co Ltd KR	1,316	57	Du Pont de Nemours, E I & Co	342	103	Advanced Cardiovascular Systems Inc	184
12	Mitsubishi Denki K K JP	1,267	58	Cisco Technology Inc	337	104	Macronix International Co Ltd TW	183
13	Toshiba Corp JP	1,217	59	Agere Systems Inc	319	105	Ericsson Inc	181
14	NEC Corp JP	1,198	60	Yazaki Corp JP	312	105	Seiko Instruments Inc JP	181
15	General Electric Co	1,139	61	Scimed Life Systems Inc	311	107	Conopco Inc	179
16	Advanced Micro Devices Inc	908	62	Nikon Corp JP	304	107	Sumitomo Chemical Co Ltd JP	179
17	Fuji Photo Film Co Ltd JP	809	63	Oki Electric Industry Co Ltd JP	302	107	Toshiba Tec K K JP	179
18	Seiko Epson Corp JP	778	64	General Motors Corp	294	110	Qualcomm Inc	178
19	Texas Instruments Inc	771	65	NEC Electronics Corp JP	289	111	Fuji Xerox Co Ltd JP	175
20	Bosch, Robert GmbH DE	758	66	Semiconductor Energy Laboratory Co Ltd JP	276	112	GE Medical Systems Global Technology Co LLC	171
21	Eastman Kodak Co	748	67	Alcatel FR	273	112	Goodyear Tire & Rubber Co The	171
22	Honda Motor Co Ltd JP	687	68	Nissan Motor Co Ltd JP	272	114	Broadcom Corp	168
23	Siemens AG DE	665	69	Boeing Co The	267	115	NCR Corp	166
24	Infineon Technologies AG DE	662	70	Olympus Corp JP	260	116	Mitsubishi Jukogyo K K JP	162
25	Delphi Technologies Inc	642	71	Corning Inc	259	117	Baker Hughes Inc	161
26	Lucent Technologies Inc	631	72	Alps Electric Co Ltd JP	257	118	Deere & Co	155
27	Xerox Corp	621	73	Sumitomo Electric Industries Ltd JP	255	119	Northrop Grumman Corp	151
28	Motorola Inc	618	74	DaimlerChrysler AG DE	245	120	NGK Insulators Ltd JP	149
29	Denso Corp JP	585	74	Pioneer Corp JP	245	121	STMicroelectronics S A FR	148
30	3M Innovative Properties Co	579	76	Visteon Global Technologies Inc	244	122	Konica Corp JP	146
31	Sun Microsystems Inc	566	77	Heidelberger Druckmaschinen AG DE	240	123	California Institute of Technology	144
32	Applied Materials Inc	539	78	TDK K K JP	238	124	Sony Electronics Inc	142
33	Sharp K K JP	519	79	Sumitomo Wiring Systems Ltd JP	228	125	Shin-Etsu Chemical Co Ltd JP	140
34	Microsoft Corp	499	80	LG Philips LCD Co Ltd KR	226	126	Eaton Corp	139
35	Telefonaktiebolaget L M Ericsson SE	471	81	Lockheed Martin Corp	223	127	Furukawa Electric Co Ltd The JP	138
36	California, University of Regents	464	82	Minolta Co Ltd JP	222	128	Fuji Photo Optical Co Ltd JP	137
37	Murata Manufacturing Co Ltd JP	448	83	Caterpillar Inc	220	128	Xilinx Inc	137
38	Procter & Gamble Co The	439	84	National Semiconductor Corp	217	130	Bristol-Myers Squibb Co	136
39	Nortel Networks Ltd CA	436	85	STMicroelectronics SRL IT	216	130	TRW Inc	136
40	Taiwan Semiconductor Manufacturing Co TW	431	86	Nokia AB Oy FI	212	132	Council of Scientific & Industrial Research IN	135
41	Hynix Semiconductor Inc KR	424	87	Industrial Technology Research Institute TW	211	132	EMC Corp	135
42	Hewlett-Packard Co	419	88	AT&T Corp	210	132	Merck Patent GmbH DE	135
43	Ricoh Co Ltd JP	416	88	Illinois Tool Works Inc	210	132	Rohm Co Ltd JP	135
44	LG Electronics Inc KR	410	90	L'Oreal S A FR	208	136	Massachusetts Institute of Technology	134
45	Seagate Technology LLC	405	91	Pentax Corp JP	203	137	Merck & Co Inc	133
46	Agilent Technologies Inc	396	91	Schlumberger Technology Corp	203	138	LAM Research Corp	132

Glad REEDFAX did that
PRIOR ART SEARCH.
 Great results and
 saves me time!



REEDFAX Document Delivery System, 117 Gibraltar Road, Horsham, PA 19044

A service of Reed Technology and Information Services, Inc.

A member of the LexisNexis Group

Providing you the highest quality
 results is our **#1 PRIORITY!**

That's why so many trust REEDFAX for:

- Confidentiality
- Accuracy
- Comprehensive results
- Timely delivery
- Cost effectiveness
- And more!

See what a difference REEDFAX can make in your office.

Call **1-800-422-1337** or visit us online at

www.REEDFAX.com/pas



RANK	NAME	U.S. PATENTS ISSUED IN 2003
138	SmithKline Beecham Corp	132
138	U S of America Army Secretary of	132
141	Lexmark International Inc	128
141	Toyota Industries Corp JP	128
143	Sumitomo Rubber Industries Ltd JP	126
144	Ciba Specialty Chemicals Corp	124
145	Silverbrook Research Pty Ltd AU	122
146	Analog Devices Inc	119
146	Samsung SDI Co Ltd KR	119
148	Aisin Seiki Co Ltd JP	117
149	Institut Francais Du Petrole FR	116
150	Abbott Laboratories	115
150	Sharp Laboratories of America Inc	115
152	Yamaha Corp JP	114
153	Cardiac Pacemakers Inc	113
154	Akzo Nobel N V NL	111
155	Lilly, Eli and Co	109
156	Asahi Glass Co Ltd JP	107
157	Brother Kogyo K K JP	106
157	Hyundai Motor Co KR	106
157	Texas, University of System	106
160	NSK Ltd JP	105
160	Uni-Charm Corp JP	105
162	Degussa DE	103
162	Electronics and Telecommunications Research Institute KR	103
164	Bridgestone Corp JP	102
165	Shell Oil Co	101
165	STMicroelectronics Inc	101
167	Chartered Semiconductor Manufacturing Pte Ltd SG	100
167	ExxonMobil Chemical Patents Inc	100
167	Tyco Electronics Corp	100
170	ADC Telecommunications Inc	99
170	Air Products and Chemicals Inc	99
170	Unisys Corp	99

RANK	NAME	U.S. PATENTS ISSUED IN 2003
173	Ebara Corp JP	98
173	Kaito Manufacturing Co Ltd JP	98
175	Dai Nippon Insatsu K K JP	97
175	U S of America Health & Human Services	97
177	ExxonMobil Research and Engineering Co	96
178	Komatsu Seisakusho K K JP	94
178	Milliken & Co	94
178	NGK Spark Plug Co Ltd JP	94
181	Kao Corp JP	93
182	Avantest Corp JP	92
182	Nippon Shokubai Kagaku Kogyo Co Ltd JP	92
182	Toyoda Gosei K K JP	92
185	Avaya Technology Corp	90
185	Carrier Corp	90
185	Fuji Jukogyo K K JP	90
185	Sandia Corp	90
189	Alstom (Switzerland) Ltd CH	89
189	Amkor Technology Inc	89
189	Dow Global Technologies Inc	89
189	Ethicon Inc	89
189	Pitney-Bowes Inc	89
189	Wyeth	89
195	Becton Dickinson & Co	88
195	Dell Products L P	88
195	Southpac Trust International Inc	88
198	Colgate-Palmolive Co	87
198	Hilti AG LI	87
198	Stanford, Leland Jr University Trustees	87
201	BellSouth Intellectual Property Corp	86
201	Wisconsin Alumni Research Foundation	86
203	Human Genome Sciences Inc	85
203	Nitto Denko Corp JP	85
203	Novartis AG CH	85
206	Fraunhofer Gesell zur Forderung der Angewandten Forschung DE	84

RANK	NAME	U.S. PATENTS ISSUED IN 2003
206	Hoffmann-la Roche Inc	84
206	Rohm and Haas Co	84
206	Shimano Corp JP	84
210	Black & Decker Corp The	83
210	Cirrus Logic Inc	83
210	Commissariat a l'Energie Atomique FR	83
210	Lear Corp	83
214	Agfa-Gevaert N V BE	82
214	Air Liquide Etude Exploit Procedes FR	82
214	AstraZeneca AB SE	82
214	Conexant Systems Inc	82
218	Minebea Co Ltd JP	81
218	U S of America NASA Administrator of	81
220	Apple Computer Inc	80
220	Centre National de la Recherche Scientifique CNRS FR	80
220	Johns Hopkins University	80
220	Nippon Telegraph & Telephone Pub Corp JP	80
224	Mannesmann VDO AG DE	79
224	Millennium Pharmaceuticals Inc	79
224	PPG Industries Ohio Inc	79
224	Samsung Electro-Mechanics Co Ltd KR	79
228	Nestec S A CH	78
229	Acushnet Co	77
229	NexPress Solutions LLC	77
229	Showa Denko K K JP	77
229	Winbond Electronics Corp TW	77
233	Delta Electronics Inc TW	76
233	Fuji Electric Co Ltd JP	76
233	Genentech Inc	76
233	Hitachi ULSI Systems Co Ltd JP	76
233	Pacesetter Inc	76
238	Eastman Chemical Co	75
239	Hughes Electronics Corp	74
239	Michigan, University of	74
239	Pioneer Hi-Bred International Inc	74