

PATENTING BY ORGANIZATIONS

2005



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

Patenting By Organizations 2005

This report, prepared from the Technology Assessment and Forecast (TAF) database, profiles utility patents (i.e., patents for inventions) granted during **calendar year 2005**.

Part A1

Part A1 presents patent counts by origin, U.S. and foreign. Individual counts are also presented for each of the top 36 patenting countries. Patent origin is determined by the residence of the first-named inventor listed on a patent.

Patent ownership-category information reflects ownership at the time of patent grant and does not reflect subsequent changes in ownership. If more than one assignee (the entity, if any, to which the patent rights have been legally assigned) was declared at the time of grant, a patent is attributed to the ownership-category of the first-named assignee. The "U.S. Corporations" and "Foreign Corporations" ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in these categories. While the "U.S. Government" ownership category includes only patents granted to the Federal Government, no such distinction is made for the "Foreign Government" ownership category. The "U.S. Individuals" and "Foreign Individuals" ownership categories include patents for which ownership was assigned to an individual as well as patents for which no assignment of ownership was made at the time of grant.

Part B1

Part B1 presents organizations that received 40 or more patents during the calendar year. Organizations are ranked based on their patent count. **Please note that because of the large number of organizations appearing in this report, the minimum number of annual patents received by a listed organization was raised from 30, for the 1997 report, to 40 for the 1998 and subsequent reports.**

Patent information included in **Part B1** of the report reflects patent ownership at the time of patent grant and does not reflect changes in ownership which may occur after the patent grant. Where more than one assignee exists, patents are attributed to the first-named assignee.

No attempt has been made to combine data based on subsidiary relationships. However, where possible, spelling variations and variations based on name changes (e.g., ESSO to EXXON) have been merged into a single name. While every effort is made to accurately identify all organizational entities and report data by a single organizational name, achievement of a totally clean record is not expected, particularly in view of the many variations which may occur in corporate identifications.

Patenting By The U.S. Government 2005

In **calendar year 2005**, the U.S. Government received 697 utility patents.

Under the section labeled "Ownership", **Part A1** presents the total count of patents received by the U.S. Government during the calendar year. Each of the separate U.S. Government agencies receiving 40 or more patents during the calendar year is listed in **Part B1**.

Part A1

(Patent Grants as Distributed By Year of Patent Grant)

Number of Utility Patents Granted By Year Of Patent Grant
 (Granted: Jan 01, 2005 - Dec 31, 2005)

<u>COUNTRY OF ORIGIN</u>	<u>2005</u>	<u>Total</u>
Total	143806	143806
U.S. Origin	74637	74637
Foreign Origin	69169	69169
JAPAN	30341	30341
GERMANY	9011	9011
TAIWAN	5118	5118
SOUTH KOREA	4352	4352
UNITED KINGDOM	3148	3148
CANADA	2894	2894
FRANCE	2866	2866
ITALY	1296	1296
SWEDEN	1123	1123
SWITZERLAND	995	995
NETHERLANDS	993	993
ISRAEL	924	924
AUSTRALIA	911	911
FINLAND	720	720
BELGIUM	519	519
AUSTRIA	462	462
CHINA P.REP.	402	402
INDIA	384	384
DENMARK	358	358
SINGAPORE	346	346
CHINA,HONG KONG S.A.R	283	283
SPAIN	273	273
NORWAY	220	220
IRELAND	156	156
RUSSIAN FEDERATION	148	148
NEW ZEALAND	122	122
MALAYSIA	88	88
SOUTH AFRICA	87	87
MEXICO	80	80
BRAZIL	77	77
HUNGARY	46	46
LUXEMBOURG	41	41
CZECH REPUBLIC	25	25
ARGENTINA	24	24
POLAND	23	23
ICELAND	20	20
Others (57)	293	293
Ownership:		
U.S. Corporations	65207	65207
U.S. Government	697	697
U.S. Individuals	10358	10358
Foreign Corporations	63115	63115
Foreign Government	58	58
Foreign Individuals	4371	4371

Percent of Utility Patents Granted By Year Of Patent Grant
 (Granted: Jan 01, 2005 - Dec 31, 2005)

<u>COUNTRY OF ORIGIN</u>	<u>2005</u>	<u>Total</u>
Total	100	100
U.S. Origin	52	52
Foreign Origin	48	48
JAPAN	21	21
GERMANY	6	6
TAIWAN	4	4
SOUTH KOREA	3	3
UNITED KINGDOM	2	2
CANADA	2	2
FRANCE	2	2
ITALY	1	1
SWEDEN	1	1
SWITZERLAND	1	1
NETHERLANDS	1	1
ISRAEL	1	1
AUSTRALIA	1	1
FINLAND	1	1
BELGIUM		0
AUSTRIA		0
CHINA P.REP.		0
INDIA		0
DENMARK		0
SINGAPORE		0
CHINA,HONG KONG S.A.R		0
SPAIN		0
NORWAY		0
IRELAND		0
RUSSIAN FEDERATION		0
NEW ZEALAND		0
MALAYSIA		0
SOUTH AFRICA		0
MEXICO		0
BRAZIL		0
HUNGARY		0
LUXEMBOURG		0
CZECH REPUBLIC		0
ARGENTINA		0
POLAND		0
ICELAND		0
Others (57)		0
Ownership:		
U.S. Corporations	45	45
U.S. Government		0
U.S. Individuals	7	7
Foreign Corporations	44	44
Foreign Government		0
Foreign Individuals	3	3

Part B1

**(Ranked Listing of Organizations with
Patent Grants Distributed By Year of Patent Grant)**

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
INTERNATIONAL BUSINESS MACHINES CORPORATION Patents By Year of Grant:	2941	2941
CANON KABUSHIKI KAISHA Patents By Year of Grant:	1829	1829
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. Patents By Year of Grant:	1790	1790
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. Patents By Year of Grant:	1688	1688
SAMSUNG ELECTRONICS CO., LTD. Patents By Year of Grant:	1641	1641
MICRON TECHNOLOGY, INC. Patents By Year of Grant:	1561	1561
INTEL CORPORATION Patents By Year of Grant:	1549	1549
HITACHI, LTD Patents By Year of Grant:	1271	1271
TOSHIBA CORPORATION Patents By Year of Grant:	1258	1258
FUJITSU LIMITED Patents By Year of Grant:	1154	1154
SONY CORPORATION Patents By Year of Grant:	1135	1135
GENERAL ELECTRIC COMPANY Patents By Year of Grant:	904	904
SEIKO EPSON CORPORATION Patents By Year of Grant:	884	884
INFINEON TECHNOLOGIES AG Patents By Year of Grant:	787	787
KONINKLIJKE PHILIPS ELECTRONICS N.V. Patents By Year of Grant:	763	763
ROBERT BOSCH GMBH Patents By Year of Grant:	756	756
FUJI PHOTO FILM CO., LTD Patents By Year of Grant:	750	750
MICROSOFT CORPORATION Patents By Year of Grant:	746	746
TEXAS INSTRUMENTS, INCORPORATED Patents By Year of Grant:	734	734
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.) Patents By Year of Grant:	698	698
SIEMENS AKTIENGESELLSCHAFT Patents By Year of Grant:	689	689
NEC CORPORATION Patents By Year of Grant:	661	661

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
SUN MICROSYSTEMS, INC. Patents By Year of Grant:	653	653
MITSUBISHI DENKI KABUSHIKI KAISHA Patents By Year of Grant:	612	612
DENSO CORPORATION Patents By Year of Grant:	609	609
RENESAS TECHNOLOGY CORPORATION Patents By Year of Grant:	606	606
EASTMAN KODAK COMPANY Patents By Year of Grant:	578	578
AGILENT TECHNOLOGIES, INC. Patents By Year of Grant:	559	559
ADVANCED MICRO DEVICES, INC. Patents By Year of Grant:	526	526
SHARP KABUSHIKI KAISHA (SHARP CORPORATION) Patents By Year of Grant:	473	473
RICOH COMPANY, LTD. Patents By Year of Grant:	469	469
LG ELECTRONICS INC. Patents By Year of Grant:	463	463
HONEYWELL INTERNATIONAL INC. Patents By Year of Grant:	460	460
MOTOROLA, INC. Patents By Year of Grant:	456	456
TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. Patents By Year of Grant:	441	441
CISCO TECHNOLOGY, INC. Patents By Year of Grant:	440	440
XEROX CORPORATION Patents By Year of Grant:	426	426
3M INNOVATIVE PROPERTIES COMPANY Patents By Year of Grant:	416	416
BROADCOM CORPORATION Patents By Year of Grant:	414	414
DELPHI TECHNOLOGIES, INC. Patents By Year of Grant:	405	405
LUCENT TECHNOLOGIES INC. Patents By Year of Grant:	405	405
BOEING COMPANY Patents By Year of Grant:	403	403
GENERAL MOTORS CORPORATION Patents By Year of Grant:	392	392
UNIVERSITY OF CALIFORNIA, THE REGENTS OF Patents By Year of Grant:	388	388

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
NORTEL NETWORKS LIMITED Patents By Year of Grant:	376	376
HYNIX SEMICONDUCTOR INC. Patents By Year of Grant:	358	358
APPLIED MATERIALS, INC. Patents By Year of Grant:	352	352
SANYO ELECTRIC CO., LTD. Patents By Year of Grant:	352	352
LSI LOGIC CORPORATION Patents By Year of Grant:	339	339
NOKIA CORPORATION Patents By Year of Grant:	335	335
TELEFONAKTIEBOLAGET LM ERICSSON Patents By Year of Grant:	331	331
LG. PHILIPS LCD CO., LTD. Patents By Year of Grant:	320	320
OKI ELECTRIC INDUSTRY CO., LTD. Patents By Year of Grant:	313	313
PROCTER + GAMBLE COMPANY Patents By Year of Grant:	296	296
SEMICONDUCTOR ENERGY LABORATORY CO., LTD. Patents By Year of Grant:	292	292
HON HAI PRECISION IND. CO., LTD. Patents By Year of Grant:	291	291
NISSAN MOTOR COMPANY, LIMITED Patents By Year of Grant:	290	290
SEAGATE TECHNOLOGY, LLC Patents By Year of Grant:	280	280
TOYOTA JIDOSHA K.K. Patents By Year of Grant:	271	271
UNITED STATES OF AMERICA, NAVY Patents By Year of Grant:	258	258
FREESCALE SEMICONDUCTOR, INC. Patents By Year of Grant:	256	256
KIMBERLY-CLARK WORLDWIDE, INC. Patents By Year of Grant:	256	256
FORD GLOBAL TECHNOLOGIES, L.L.C. Patents By Year of Grant:	254	254
E. I. DU PONT DE NEMOURS AND COMPANY Patents By Year of Grant:	251	251
ILLINOIS TOOL WORKS INC. Patents By Year of Grant:	248	248
SILVERBROOK RESEARCH PTY. LTD Patents By Year of Grant:	247	247

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
BASF AKTIENGESELLSCHAFT Patents By Year of Grant:	231	231
MURATA MANUFACTURING CO., LTD. Patents By Year of Grant:	228	228
NATIONAL SEMICONDUCTOR CORPORATION Patents By Year of Grant:	223	223
ALPS ELECTRIC CO., LTD. Patents By Year of Grant:	215	215
NEC ELECTRONICS CORPORATION Patents By Year of Grant:	214	214
PIONEER CORPORATION Patents By Year of Grant:	214	214
ALCATEL Patents By Year of Grant:	212	212
AT&T CORP. Patents By Year of Grant:	202	202
LOCKHEED MARTIN CORPORATION Patents By Year of Grant:	201	201
QUALCOMM, INC. Patents By Year of Grant:	200	200
FUJI XEROX CO., LTD. Patents By Year of Grant:	199	199
TOKYO ELECTRON LIMITED Patents By Year of Grant:	199	199
HALLIBURTON ENERGY SERVICES, INC. Patents By Year of Grant:	193	193
VISTEON GLOBAL TECHNOLOGIES, INC. Patents By Year of Grant:	193	193
BELLSOUTH INTELLECTUAL PROPERTY CORPORATION Patents By Year of Grant:	190	190
HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V. Patents By Year of Grant:	188	188
NIKON CORPORATION Patents By Year of Grant:	183	183
MEDTRONIC INC. Patents By Year of Grant:	181	181
SCHLUMBERGER TECHNOLOGY CORPORATION Patents By Year of Grant:	178	178
PENTAX CORPORATION Patents By Year of Grant:	177	177
XILINX, INC. Patents By Year of Grant:	177	177
BAYER AKTIENGESELLSCHAFT Patents By Year of Grant:	176	176

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
DAIMLER-CHRYSLER AKTIENGESELLSCHAFT Patents By Year of Grant:	169	169
SUMITOMO ELECTRIC INDUSTRIES CO., LTD. Patents By Year of Grant:	169	169
AGERE SYSTEMS INC. Patents By Year of Grant:	168	168
PFIZER INC. Patents By Year of Grant:	163	163
INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN Patents By Year of Grant:	161	161
OLYMPUS CORPORATION Patents By Year of Grant:	161	161
STMICROELECTRONICS S.R.L. Patents By Year of Grant:	160	160
MINOLTA CAMERA CO., LTD. Patents By Year of Grant:	159	159
TDK CORPORATION Patents By Year of Grant:	159	159
YAZAKI CORP. Patents By Year of Grant:	156	156
CATERPILLAR INC. Patents By Year of Grant:	154	154
GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY, LLC Patents By Year of Grant:	154	154
BROTHER KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	152	152
THOMSON LICENSING S.A. Patents By Year of Grant:	150	150
CYPRESS SEMICONDUCTOR CORP. Patents By Year of Grant:	149	149
RAYTHEON COMPANY Patents By Year of Grant:	145	145
NORTHROP GRUMMAN CORPORATION Patents By Year of Grant:	143	143
YAMAHA CORPORATION Patents By Year of Grant:	142	142
DEERE + COMPANY Patents By Year of Grant:	141	141
SCI-MED LIFE SYSTEMS, INC. Patents By Year of Grant:	138	138
MASSACHUSETTS INSTITUTE OF TECHNOLOGY Patents By Year of Grant:	136	136
STMICROELECTRONICS S.A. Patents By Year of Grant:	135	135

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
BAKER HUGHES INCORPORATED Patents By Year of Grant:	131	131
DELL PRODUCTS, L.P. Patents By Year of Grant:	131	131
EMC CORPORATION Patents By Year of Grant:	130	130
ANALOG DEVICES, INC. Patents By Year of Grant:	129	129
UNITED STATES OF AMERICA, ARMY Patents By Year of Grant:	127	127
VIA TECHNOLOGIES, INC. Patents By Year of Grant:	127	127
EATON CORPORATION Patents By Year of Grant:	125	125
LAM RESEARCH CORPORATION Patents By Year of Grant:	125	125
SAMSUNG SDI CO., LTD. Patents By Year of Grant:	125	125
KONICA CORPORATION Patents By Year of Grant:	124	124
HARRIS CORP. Patents By Year of Grant:	122	122
HYUNDAI MOTOR CO., LTD. Patents By Year of Grant:	119	119
SHELL OIL COMPANY Patents By Year of Grant:	119	119
SHIN ETSU CHEMICAL CO., LTD. Patents By Year of Grant:	119	119
ALTERA CORPORATION Patents By Year of Grant:	118	118
LEAR CORPORATION Patents By Year of Grant:	118	118
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant:	117	117
PIONEER HI-BRED INTERNATIONAL, INC. Patents By Year of Grant:	116	116
TOYODA GOSEI KABUSHIKI KAISHA Patents By Year of Grant:	116	116
WESTERN DIGITAL TECHNOLOGIES, INC. Patents By Year of Grant:	116	116
GOODYEAR TIRE + RUBBER COMPANY Patents By Year of Grant:	114	114
BRISTOL-MYERS SQUIBB COMPANY Patents By Year of Grant:	113	113

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
CORNING INCORPORATED Patents By Year of Grant:	113	113
EXXONMOBIL CHEMICAL PATENTS INC. Patents By Year of Grant:	113	113
ROHM COMPANY LIMITED Patents By Year of Grant:	113	113
SUMITOMO CHEMICAL COMPANY, LIMITED Patents By Year of Grant:	113	113
SUMITOMO WIRING SYSTEMS, LTD., CO. Patents By Year of Grant:	113	113
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE Patents By Year of Grant:	112	112
FINISAR CORPORATION, INC. Patents By Year of Grant:	112	112
CARDIAC PACEMAKERS, INC. Patents By Year of Grant:	110	110
MINEBEA KABUSHIKI-KAISHA (MINEBEA CO., LTD) Patents By Year of Grant:	110	110
mitsubishi heavy industries, LTD. Patents By Year of Grant:	110	110
AU OPTRONICS CORP. Patents By Year of Grant:	107	107
L'OREAL S.A. Patents By Year of Grant:	107	107
INTERDIGITAL TECHNOLOGY CORPORATION Patents By Year of Grant:	106	106
NGK INSULATORS LTD. Patents By Year of Grant:	105	105
SHARP LABORATORIES OF AMERICA, INC. Patents By Year of Grant:	105	105
NOKIA MOBILE PHONES LTD. Patents By Year of Grant:	104	104
CALIFORNIA INSTITUTE OF TECHNOLOGY Patents By Year of Grant:	101	101
MACRONIX INTERNATIONAL CO., LTD. Patents By Year of Grant:	101	101
FURUKAWA ELECTRIC CO., LTD. Patents By Year of Grant:	100	100
INTERNATIONAL GAME TECHNOLOGY (IGT) Patents By Year of Grant:	100	100
WEATHERFORD/LAMB, INC. Patents By Year of Grant:	96	96
CADENCE DESIGN SYSTEMS, INC. Patents By Year of Grant:	95	95

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
UNITED MICROELECTRONICS CORPORATION Patents By Year of Grant:	95	95
ORACLE INTERNATIONAL CORPORATION Patents By Year of Grant:	93	93
PITNEY-BOWES, INC. Patents By Year of Grant:	93	93
ASML NETHERLANDS B.V. Patents By Year of Grant:	92	92
LEXMARK INTERNATIONAL, INC. Patents By Year of Grant:	91	91
ASTRAZENECA AB Patents By Year of Grant:	90	90
STANFORD UNIVERSITY Patents By Year of Grant:	90	90
3COM CORPORATION Patents By Year of Grant:	89	89
AISIN SEIKI KABUSHIKI KAISHA Patents By Year of Grant:	89	89
SIEMENS VDO AUTOMOTIVE CORPORATION Patents By Year of Grant:	89	89
UNIVERSITY OF TEXAS Patents By Year of Grant:	89	89
CIBA SPECIALTY CHEMICALS CORPORATION Patents By Year of Grant:	88	88
MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG Patents By Year of Grant:	88	88
NSK LIMITED Patents By Year of Grant:	88	88
CNH AMERICA LLC Patents By Year of Grant:	87	87
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION Patents By Year of Grant:	87	87
DAI NIPPON PRINTING CO. LTD Patents By Year of Grant:	86	86
DEGUSSA AKTIENGESELLSCHAFT Patents By Year of Grant:	86	86
ITT MANUFACTURING ENTERPRISES, INC. Patents By Year of Grant:	86	86
TYCO ELECTRONICS CORPORATION Patents By Year of Grant:	86	86
ACUSHNET COMPANY Patents By Year of Grant:	85	85
APPLE COMPUTER, INC. Patents By Year of Grant:	85	85

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
 Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
NEC LCD TECHNOLOGIES, LTD. Patents By Year of Grant:	85	85
KAO KABUSHIKI KAISHA (KAO CORPORATION) Patents By Year of Grant:	84	84
NAN YA TECHNOLOGY CORPORATION Patents By Year of Grant:	84	84
NITTO DENKO CORPORATION Patents By Year of Grant:	84	84
BEN Q CORPORATION Patents By Year of Grant:	83	83
COMMISSARIAT A L'ENERGIE ATOMIQUE Patents By Year of Grant:	83	83
DAIMLERCHRYSLER CORPORATION Patents By Year of Grant:	83	83
HEIDELBERGER DRUCKMASCHINEN AG Patents By Year of Grant:	83	83
UNISYS CORPORATION Patents By Year of Grant:	83	83
ADC TELECOMMUNICATIONS, INC. Patents By Year of Grant:	82	82
NCR CORPORATION Patents By Year of Grant:	82	82
SAMSUNG ELECTRO-MECHANICS CO., LTD. Patents By Year of Grant:	82	82
SIEMENS WESTINGHOUSE POWER CORPORATION Patents By Year of Grant:	82	82
UNITED TECHNOLOGIES CORPORATION Patents By Year of Grant:	82	82
BOSTON SCIENTIFIC SCIMED, INC. Patents By Year of Grant:	81	81
FUJINON CORPORATION (FORMERLY FUJI PHOTO OPTICAL CO. LTD.) Patents By Year of Grant:	81	81
OMRON CORPORATION Patents By Year of Grant:	81	81
SHIMANO INC. Patents By Year of Grant:	81	81
OLYMPUS OPTICAL CO., LTD. Patents By Year of Grant:	80	80
UNITED STATES OF AMERICA, HEALTH & HUMAN SERVICES Patents By Year of Grant:	80	80
ADVANCED CARDIOVASCULAR SYSTEMS, INC. Patents By Year of Grant:	78	78
APPLERA CORPORATION Patents By Year of Grant:	78	78

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
EBARA CORPORATION Patents By Year of Grant:	78	78
JDS UNIPHASE CORPORATION Patents By Year of Grant:	78	78
DELTA ELECTRONICS INC. Patents By Year of Grant:	77	77
UNILEVER HOME & PERSONAL CARE USA, DIVISION OF CONOPCO, INC. Patents By Year of Grant:	77	77
WISCONSIN ALUMNI RESEARCH FOUNDATION Patents By Year of Grant:	77	77
NOVARTIS AG (FORMERLY SANDOZ LTD.) Patents By Year of Grant:	76	76
PACESETTER, INC. Patents By Year of Grant:	76	76
BLACK & DECKER INC. Patents By Year of Grant:	75	75
SUMITOMO RUBBER INDUSTRIES, LTD. Patents By Year of Grant:	75	75
INTERNATIONAL RECTIFIER CORPORATION Patents By Year of Grant:	74	74
VICTOR COMPANY OF JAPAN, LIMITED Patents By Year of Grant:	74	74
MOLEX INCORPORATED Patents By Year of Grant:	73	73
CARRIER CORPORATION Patents By Year of Grant:	72	72
BORGWARNER INC. Patents By Year of Grant:	71	71
JOHNS HOPKINS UNIVERSITY Patents By Year of Grant:	71	71
UNIVERSITY OF MICHIGAN Patents By Year of Grant:	71	71
GENENTECH, INC. Patents By Year of Grant:	70	70
SPRINT COMMUNICATIONS COMPANY L.P. Patents By Year of Grant:	69	69
DOW GLOBAL TECHNOLOGIES INC. Patents By Year of Grant:	68	68
KOMATSU LTD. Patents By Year of Grant:	68	68
AUTOLIV ASP, INC. Patents By Year of Grant:	65	65
HILTI AKTIENGESELLSCHAFT Patents By Year of Grant:	65	65

Organizational Patenting (Granted: Jan 01, 2005 - Dec 31, 2005)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
KLA-TENCOR TECHNOLOGIES CORP. Patents By Year of Grant:	65	65
NTT DOCOMO, INC. Patents By Year of Grant:	65	65
MERCK + CO., INC. Patents By Year of Grant:	64	64
WARNER-LAMBERT COMPANY Patents By Year of Grant:	64	64
MICHELIN RECHERCHE ET TECHNIQUE S.A. Patents By Year of Grant:	63	63
SANDISK CORPORATION Patents By Year of Grant:	63	63
SHOWA DENKO KABUSHIKI KAISHA Patents By Year of Grant:	63	63
FUNAI ELECTRIC CO., LTD. Patents By Year of Grant:	62	62
MATSUSHITA ELECTRIC WORKS, LTD. Patents By Year of Grant:	62	62
MILLIKEN & COMPANY Patents By Year of Grant:	62	62
MITSUI CHEMICALS, INCORPORATED Patents By Year of Grant:	62	62
BATTELLE MEMORIAL INSTITUTE Patents By Year of Grant:	61	61
HRL LABORATORIES, LLC Patents By Year of Grant:	61	61
JAPAN SCIENCE AND TECHNOLOGY CORPORATION Patents By Year of Grant:	61	61
KAWASAKI JUKOGYO KABUSHIKI KAISHA Patents By Year of Grant:	61	61
KOYO SEIKO COMPANY, LTD. Patents By Year of Grant:	61	61
ROHM AND HAAS COMPANY Patents By Year of Grant:	61	61
SEIKO INSTRUMENTS INC. Patents By Year of Grant:	61	61
SIEMENS VDO AUTOMOTIVE, INC. Patents By Year of Grant:	61	61
BECTON, DICKINSON AND COMPANY Patents By Year of Grant:	60	60
JAPAN AVIATION ELECTRONICS INDUSTRY LTD. Patents By Year of Grant:	60	60
SHIPLEY COMPANY INC. Patents By Year of Grant:	60	60

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<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
STORAGE TECHNOLOGY CORPORATION Patents By Year of Grant:	60	60
WINBOND ELECTRONICS CORP. Patents By Year of Grant:	60	60
ASAHI GLASS COMPANY, LTD. Patents By Year of Grant:	59	59
CIENA CORPORATION Patents By Year of Grant:	59	59
ERICSSON, INC. Patents By Year of Grant:	59	59
HUMAN GENOME SCIENCES, INC. Patents By Year of Grant:	59	59
RAMBUS, INC. Patents By Year of Grant:	59	59
SYMBOL TECHNOLOGIES, INC. Patents By Year of Grant:	59	59
DAICEL CHEMICAL INDUSTRIES LTD. Patents By Year of Grant:	58	58
DAIKIN INDUSTRIES LIMITED Patents By Year of Grant:	58	58
SCHERING CORP. Patents By Year of Grant:	58	58
STMICROELECTRONICS, INC. Patents By Year of Grant:	58	58
AIR PRODUCTS AND CHEMICALS, INC. Patents By Year of Grant:	57	57
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC. Patents By Year of Grant:	57	57
CALLAWAY GOLF COMPANY Patents By Year of Grant:	57	57
COLUMBIA UNIVERSITY Patents By Year of Grant:	57	57
INSTITUT FRANCAIS DU PETROLE Patents By Year of Grant:	57	57
MAXTOR CORPORATION Patents By Year of Grant:	57	57
ROCKWELL AUTOMATION TECHNOLOGIES, INC. Patents By Year of Grant:	57	57
AKZO NOBEL NV Patents By Year of Grant:	56	56
BRIDGESTONE CORPORATION Patents By Year of Grant:	56	56
DANA CORPORATION Patents By Year of Grant:	56	56

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<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
WYETH		
Patents By Year of Grant:	56	56
ALSTOM TECHNOLOGY LTD		
Patents By Year of Grant:	55	55
MAYTAG CORPORATION		
Patents By Year of Grant:	55	55
METSO PAPER, INC.		
Patents By Year of Grant:	55	55
PORSCHE AG		
Patents By Year of Grant:	55	55
PPG INDUSTRIES OHIO INC.		
Patents By Year of Grant:	55	55
ZAHNRADFABRIK FRIEDRICHSHAFEN AG		
Patents By Year of Grant:	55	55
CONOCOPHILLIPS COMPANY		
Patents By Year of Grant:	54	54
NGK SPARK PLUG CO., LTD.		
Patents By Year of Grant:	54	54
NIPPON SHEET GLASS CO., LTD.		
Patents By Year of Grant:	54	54
SPX CORPORATION		
Patents By Year of Grant:	54	54
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.		
Patents By Year of Grant:	53	53
HAMAMATSU PHOTONICS KABUSHIKI KAISHA		
Patents By Year of Grant:	53	53
SMITHKLINE BEECHAM CORPORATION		
Patents By Year of Grant:	53	53
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD.		
Patents By Year of Grant:	53	53
ADVANTEST CORP.		
Patents By Year of Grant:	52	52
BAXTER INTERNATIONAL INC.		
Patents By Year of Grant:	52	52
GENERAL INSTRUMENT CORPORATION		
Patents By Year of Grant:	52	52
HEADWAY TECHNOLOGIES, INC.		
Patents By Year of Grant:	52	52
KOITO MANUFACTURING COMPANY LIMITED		
Patents By Year of Grant:	52	52
MARVELL INTERNATIONAL LTD.		
Patents By Year of Grant:	52	52
NIPPON TELEGRAPH & TELEPHONE CORP.		
Patents By Year of Grant:	52	52

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<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
NVIDIA CORPORATION Patents By Year of Grant:	52	52
GATEWAY 2000, INC. Patents By Year of Grant:	51	51
HOFFMANN-LA ROCHE INC. Patents By Year of Grant:	51	51
INVISTA NORTH AMERICA S.A.R.L. Patents By Year of Grant:	51	51
KEY SAFETY SYSTEMS, INC. Patents By Year of Grant:	51	51
MONSANTO TECHNOLOGY, LLC Patents By Year of Grant:	51	51
SONY COMPUTER ENTERTAINMENT INC. Patents By Year of Grant:	51	51
AMKOR TECHNOLOGY, INC. Patents By Year of Grant:	50	50
DAINIPPON SCREEN MFG. CO., LTD. Patents By Year of Grant:	50	50
ELPIDA MEMORY, INC. Patents By Year of Grant:	50	50
MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	50	50
ROLLS-ROYCE PLC Patents By Year of Grant:	50	50
ZF SACHS AG Patents By Year of Grant:	50	50
FANUC LTD. Patents By Year of Grant:	49	49
FUJI ELECTRIC CO., LTD. Patents By Year of Grant:	49	49
LATTICE SEMICONDUCTOR CORPORATION Patents By Year of Grant:	49	49
NOVELLUS SYSTEMS, INC. Patents By Year of Grant:	49	49
NTN CORPORATION Patents By Year of Grant:	49	49
SANDIA CORPORATION Patents By Year of Grant:	49	49
TOYODA KOKI KABUSHIKI KAISHA Patents By Year of Grant:	49	49
UNIVATION TECHNOLOGIES, LLC, (US) Patents By Year of Grant:	49	49
ELI LILLY AND COMPANY Patents By Year of Grant:	48	48

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<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
HOYA CORPORATION Patents By Year of Grant:	48	48
PHARMACIA & UPJOHN COMPANY Patents By Year of Grant:	48	48
TEKTRONIX INC. Patents By Year of Grant:	48	48
UNITED STATES OF AMERICA, AIR FORCE Patents By Year of Grant:	48	48
AJINOMOTO COMPANY INCORPORATED Patents By Year of Grant:	47	47
BOMBARDIER RECREATIONAL PRODUCTS INC. Patents By Year of Grant:	47	47
FAIRCHILD SEMICONDUCTOR CORPORATION Patents By Year of Grant:	47	47
FUJITSU DISPLAY TECHNOLOGIES CORPORATION Patents By Year of Grant:	47	47
HITACHI HIGH-TECHNOLOGIES CORPORATION Patents By Year of Grant:	47	47
MILLENNIUM PHARMACEUTICALS, INC. Patents By Year of Grant:	47	47
NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY Patents By Year of Grant:	47	47
ABBOTT LABORATORIES Patents By Year of Grant:	46	46
ANDREAS STIHL AG & CO. Patents By Year of Grant:	46	46
AVAYA TECHNOLOGY CORP. Patents By Year of Grant:	46	46
BRUNSWICK CORPORATION Patents By Year of Grant:	46	46
CHARTERED SEMICONDUCTOR MANUFACTURING PTE LTD Patents By Year of Grant:	46	46
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY Patents By Year of Grant:	46	46
FORD MOTOR COMPANY Patents By Year of Grant:	46	46
HITACHI KOKUSAI ELECTRIC INC. Patents By Year of Grant:	46	46
INTERNATIONAL ENGINE INTELLECTUAL PROPERTY COMPANY, L.L.C. Patents By Year of Grant:	46	46
KODAK POLYCHROME GRAPHICS, LLC Patents By Year of Grant:	46	46
KONAMI CO., LTD. Patents By Year of Grant:	46	46

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<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
METROLOGIC INSTRUMENTS INC. Patents By Year of Grant:	46	46
NESTEC, S.A. Patents By Year of Grant:	46	46
STMICROELECTRONICS, LTD. Patents By Year of Grant:	46	46
UOP Patents By Year of Grant:	46	46
AGFA-GEVAERT N.V. Patents By Year of Grant:	45	45
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS Patents By Year of Grant:	45	45
CIRRUS LOGIC, INC. Patents By Year of Grant:	45	45
FUJI JUKOGYO KABUSHIKI KAISHA Patents By Year of Grant:	45	45
ISIS PHARMACEUTICALS, INC. Patents By Year of Grant:	45	45
JUNIPER NETWORKS, INC. Patents By Year of Grant:	45	45
MITSUBISHI ELECTRIC RESEARCH LABORATORIES, INC. Patents By Year of Grant:	45	45
NIPPON STEEL CORP. Patents By Year of Grant:	45	45
ADVANCED SEMICONDUCTOR ENGINEERING, INC. Patents By Year of Grant:	44	44
ANDREW CORPORATION Patents By Year of Grant:	44	44
AVERY DENNISON CORPORATION Patents By Year of Grant:	44	44
BAYERISCHE MOTOREN WERKE AG Patents By Year of Grant:	44	44
BOSCH SIEMENS HAUSGERATE GMBH Patents By Year of Grant:	44	44
AVENTIS PHARMA DEUTSCHLAND GMBH Patents By Year of Grant:	43	43
DELAWARE CAPITAL FORMATION, INC. Patents By Year of Grant:	43	43
EQUISTAR CHEMICALS, LP Patents By Year of Grant:	43	43
GARMIN LTD. Patents By Year of Grant:	43	43
KYOCERA CORPORATION Patents By Year of Grant:	43	43

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Ranked List of Organizations with 40 or More Utility Patents Received in CY2005

<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
NETWORK ASSOCIATES, INC. Patents By Year of Grant:	43	43
NIPPON SHOKUBAI CO., LTD. Patents By Year of Grant:	43	43
SYMYX TECHNOLOGIES, INC. Patents By Year of Grant:	43	43
UNIVERSITY OF PENNSYLVANIA Patents By Year of Grant:	43	43
YAMAHA MARINE KABUSHIKI KAISHA Patents By Year of Grant:	43	43
ASML HOLDING N.V. Patents By Year of Grant:	42	42
AVANEX CORPORATION Patents By Year of Grant:	42	42
CHEVRON U.S.A. INC. Patents By Year of Grant:	42	42
ECOLAB INC. Patents By Year of Grant:	42	42
GEORGIA TECH RESEARCH CORP. Patents By Year of Grant:	42	42
NATIONAL INSTRUMENTS CORPORATION Patents By Year of Grant:	42	42
PTS CORPORATION Patents By Year of Grant:	42	42
SYNOPSYS INC. Patents By Year of Grant:	42	42
BRISTOL-MYERS SQUIBB PHARMA COMPANY Patents By Year of Grant:	41	41
CARL ZEISS SMT AG Patents By Year of Grant:	41	41
CORNELL RESEARCH FOUNDATION INC. Patents By Year of Grant:	41	41
GENERAL HOSPITAL CORPORATION Patents By Year of Grant:	41	41
JSR CORPORATION Patents By Year of Grant:	41	41
OSRAM SYLVANIA INC. Patents By Year of Grant:	41	41
STINE SEED FARM, INC. Patents By Year of Grant:	41	41
ADOBE SYSTEMS, INC. Patents By Year of Grant:	40	40
DSM IP ASSETS B.V. Patents By Year of Grant:	40	40

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<u>ORGANIZATION</u>	<u>2005</u>	<u>TOTAL</u>
FCI AMERICAS TECHNOLOGY, INC. Patents By Year of Grant:	40	40
NIKE, INC. Patents By Year of Grant:	40	40
SANDVIK AKTIEBOLAG Patents By Year of Grant:	40	40
SANKYO SEIKI MFG. CO., LTD. Patents By Year of Grant:	40	40
SBC PROPERTIES, L.P. Patents By Year of Grant:	40	40
TAKATA CORPORATION Patents By Year of Grant:	40	40
UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED Patents By Year of Grant:	40	40
Other Organizations (23183) Patents By Year of Grant:	59493	59493