PATENTING BY ORGANIZATIONS 2006



March 2007 U.S. PATENT AND TRADEMARK OFFICE ELECTRONIC INFORMATION PRODUCTS DIVISION - PTMT MDW 4C18; P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

tel (571) 272-5600 / FAX (571) 273-0110

Patenting By Organizations 2006

This report, prepared from the Technology Assessment and Forecast (TAF) database, profiles utility patents (i.e., patents for inventions) granted during **calendar year 2006**.

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 2006

In calendar year 2006, the U.S. Government received 792 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, 2006 - Dec 31, 2006)

COUNTRY OF ORIGIN	2006	Total
Total	173771	173771
U.S. Origin	89823	89823
Foreign Origin	83948	83948
rorergm orrgrm	03310	03310
JAPAN	36807	36807
GERMANY	10005	10005
TAIWAN	6360	6360
SOUTH KOREA	5908	5908
UNITED KINGDOM	3585	3585
CANADA	3572	3572
FRANCE	3431	3431
ITALY	1480	1480
AUSTRALIA	1325	1325
NETHERLANDS	1323	1323
SWEDEN	1243	1243
ISRAEL	1218	1218
SWITZERLAND	1210	1210
FINLAND	950	950
CHINA P.REP.	661	661
BELGIUM	625	625
AUSTRIA	577	577
INDIA	481	481
DENMARK	439	439
SINGAPORE	412	412
CHINA, HONG KONG S.A.R	308	308
SPAIN	295	295
NORWAY	244	244
IRELAND	174	174
RUSSIAN FEDERATION	172	172
NEW ZEALAND	136	136
BRAZIL	121	121
MALAYSIA	113	113
SOUTH AFRICA	109	109
MEXICO	66	66
HUNGARY	49	49
ARGENTINA	38	38
PHILIPPINES	35	35
CZECH REPUBLIC	34	34
LUXEMBOURG	33	33
THAILAND	31	31
Others (66)	387	387
, ,		
Ownership:		
U.S. Corporations	78925	78925
U.S. Government	792	792
U.S. Individuals	11857	11857
Foreign Corporations	77373	77373
Foreign Government	51	51
Foreign Individuals	4773	4773
•		

Percent of Utility Patents Granted By Year Of Patent Grant (Granted: Jan 01, 2006 - Dec 31, 2006)

COUNTRY OF ORIGIN	<u>2006</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
AUSTRALIA	1	1
NETHERLANDS	1	1
SWEDEN	1	1
ISRAEL	1	1
SWITZERLAND	1	1
FINLAND	1	1
CHINA P.REP.		0
BELGIUM		0
AUSTRIA 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
BRAZIL		0
MALAYSIA		0
SOUTH AFRICA		0
MEXICO		0
HUNGARY		0
ARGENTINA		0
PHILIPPINES		0
CZECH REPUBLIC		0
LUXEMBOURG		0
THAILAND		0
Others (66)		0
Ownership:		
U.S. Corporations	45	45
U.S. Government	43	0
U.S. Individuals	7	7
	-	•
Foreign Corporations	45	45
Foreign Corporations Foreign Government	45	45 0

Part B1

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

ORGANIZATION	2006	TOTAL
INTERNATIONAL BUSINESS MACHINES CORPORT Patents By Year of Grant:	ATION 3621	3621
SAMSUNG ELECTRONICS CO., LTD. Patents By Year of Grant:	2451	2451
CANON KABUSHIKI KAISHA Patents By Year of Grant:	2366	2366
MATSUSHITA ELECTRIC INDUSTRIAL CO., LT. Patents By Year of Grant:	2229	2229
HEWLETT-PACKARD DEVELOPMENT COMPANY, L Patents By Year of Grant:	.P. 2099	2099
INTEL CORPORATION Patents By Year of Grant:	1959	1959
SONY CORPORATION Patents By Year of Grant:	1771	1771
HITACHI, LTD Patents By Year of Grant:	1732	1732
TOSHIBA CORPORATION Patents By Year of Grant:	1672	1672
MICRON TECHNOLOGY, INC. Patents By Year of Grant:	1610	1610
FUJITSU LIMITED Patents By Year of Grant:	1487	1487
MICROSOFT CORPORATION Patents By Year of Grant:	1463	1463
SEIKO EPSON CORPORATION Patents By Year of Grant:	1200	1200
GENERAL ELECTRIC COMPANY Patents By Year of Grant:	1051	1051
FUJI PHOTO FILM CO., LTD Patents By Year of Grant:	906	906
KONINKLIJKE PHILIPS ELECTRONICS N.V. Patents By Year of Grant:	896	896
INFINEON TECHNOLOGIES AG Patents By Year of Grant:	890	890
TEXAS INSTRUMENTS, INCORPORATED Patents By Year of Grant:	880	880
SIEMENS AKTIENGESELLSCHAFT Patents By Year of Grant:	854	854
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HOPPATENTS By Year of Grant:	NDA MOTO	
SUN MICROSYSTEMS, INC. Patents By Year of Grant:	776	776
DENSO CORPORATION Patents By Year of Grant:	732	732

ORGANIZATION	2006	TOTAL
NEC CORPORATION Patents By Year of Grant:	728	728
LG ELECTRONICS INC. Patents By Year of Grant:	694	694
RICOH COMPANY, LTD. Patents By Year of Grant:	693	693
EASTMAN KODAK COMPANY Patents By Year of Grant:	688	688
SHARP KABUSHIKI KAISHA (SHARP CORPORATION Patents By Year of Grant:		665
BROADCOM CORPORATION Patents By Year of Grant:	660	660
CISCO TECHNOLOGY, INC. Patents By Year of Grant:	649	649
ROBERT BOSCH GMBH Patents By Year of Grant:	646	646
MITSUBISHI DENKI KABUSHIKI KAISHA Patents By Year of Grant:	610	
NOKIA CORPORATION		
Patents By Year of Grant: RENESAS TECHNOLOGY CORPORATION	597	
Patents By Year of Grant: MOTOROLA, INC.	583	583
Patents By Year of Grant: HONEYWELL INTERNATIONAL INC.	576	576
Patents By Year of Grant: LUCENT TECHNOLOGIES INC.	559	559
Patents By Year of Grant:	552	552
SANYO ELECTRIC CO., LTD. Patents By Year of Grant:	516	516
SILVERBROOK RESEARCH PTY. LTD Patents By Year of Grant:	510	510
XEROX CORPORATION Patents By Year of Grant:	501	501
GENERAL MOTORS CORPORATION Patents By Year of Grant:	490	490
BOEING COMPANY Patents By Year of Grant:	478	478
3M INNOVATIVE PROPERTIES COMPANY Patents By Year of Grant:	471	471
TAIWAN SEMICONDUCTOR MANUFACTURING CO., Patents By Year of Grant:	LTD. 471	471
AGILENT TECHNOLOGIES, INC. Patents By Year of Grant:	468	468

ORGANIZATION	2006	TOTAL
ADVANCED MICRO DEVICES, INC. Patents By Year of Grant:	439	439
HYNIX SEMICONDUCTOR INC. Patents By Year of Grant:	438	438
HON HAI PRECISION IND. CO., LTD. Patents By Year of Grant:	432	432
UNIVERSITY OF CALIFORNIA, THE REGENTS (Patents By Year of Grant:		410
SEMICONDUCTOR ENERGY LABORATORY CO., L. Patents By Year of Grant:	TD. 405	405
QUALCOMM, INC. Patents By Year of Grant:	399	399
DELPHI TECHNOLOGIES, INC. Patents By Year of Grant:	389	389
LSI LOGIC CORPORATION Patents By Year of Grant:	385	385
TOYOTA JIDOSHA K.K. Patents By Year of Grant:	384	384
LG. PHILIPS LCD CO., LTD. Patents By Year of Grant:	382	382
E. I. DU PONT DE NEMOURS AND COMPANY Patents By Year of Grant:	362	362
TELEFONAKTIEBOLAGET LM ERICSSON Patents By Year of Grant:	359	359
APPLIED MATERIALS, INC. Patents By Year of Grant:	354	354
NISSAN MOTOR COMPANY, LIMITED Patents By Year of Grant:	328	328
FORD GLOBAL TECHNOLOGIES, L.L.C. Patents By Year of Grant:	323	323
NORTEL NETWORKS LIMITED Patents By Year of Grant:	320	320
OKI ELECTRIC INDUSTRY CO., LTD. Patents By Year of Grant:	318	318
BELLSOUTH INTELLECTUAL PROPERTY CORPORT Patents By Year of Grant:		309
HITACHI GLOBAL STORAGE TECHNOLOGIES NE	THERLANDS	B.V. 302
TDK CORPORATION Patents By Year of Grant:	292	292
FREESCALE SEMICONDUCTOR, INC. Patents By Year of Grant:	287	287
HALLIBURTON ENERGY SERVICES, INC. Patents By Year of Grant:	279	279

ORGANIZATION	2006	TOTAL
BASF AKTIENGESELLSCHAFT Patents By Year of Grant:	278	278
PROCTER + GAMBLE COMPANY Patents By Year of Grant:	273	273
UNITED STATES OF AMERICA, NAVY Patents By Year of Grant:	270	270
PIONEER CORPORATION Patents By Year of Grant:	266	266
AT&T CORP. Patents By Year of Grant:	264	264
XILINX, INC. Patents By Year of Grant:	261	261
NATIONAL SEMICONDUCTOR CORPORATION Patents By Year of Grant:	259	259
SEAGATE TECHNOLOGY, LLC Patents By Year of Grant:	256	256
INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE Patents By Year of Grant:		WAN 255
ALCATEL Patents By Year of Grant:	251	251
OLYMPUS CORPORATION Patents By Year of Grant:	248	248
THOMSON LICENSING S.A. Patents By Year of Grant:	248	248
FUJI XEROX CO., LTD.		
Patents By Year of Grant: AGERE SYSTEMS INC.	246	246
Patents By Year of Grant: BROTHER KOGYO KABUSHIKI KAISHA	240	240
Patents By Year of Grant:	238	238
MEDTRONIC INC. Patents By Year of Grant:	233	233
LOCKHEED MARTIN CORPORATION Patents By Year of Grant:	229	229
KIMBERLY-CLARK WORLDWIDE, INC. Patents By Year of Grant:	224	224
SCHLUMBERGER TECHNOLOGY CORPORATION Patents By Year of Grant:	224	224
ASML NETHERLANDS B.V. Patents By Year of Grant:	211	211
TOKYO ELECTRON LIMITED Patents By Year of Grant:	211	211
NEC ELECTRONICS CORPORATION Patents By Year of Grant:	207	207

ORGANIZATION	2006	TOTAL
RAYTHEON COMPANY Patents By Year of Grant:	207	207
ALTERA CORPORATION Patents By Year of Grant:	202	202
LEAR CORPORATION Patents By Year of Grant:	198	198
VIA TECHNOLOGIES, INC. Patents By Year of Grant:	188	188
ALPS ELECTRIC CO., LTD. Patents By Year of Grant:	187	187
SHELL OIL COMPANY Patents By Year of Grant:	185	185
DAIMLER-CHRYSLER AKTIENGESELLSCHAFT Patents By Year of Grant:	183	183
INTERDIGITAL TECHNOLOGY CORPORATION Patents By Year of Grant:	181	181
UNITED STATES OF AMERICA, ARMY Patents By Year of Grant:	181	181
ILLINOIS TOOL WORKS INC. Patents By Year of Grant:	177	177
MURATA MANUFACTURING CO., LTD. Patents By Year of Grant:	176	176
BRISTOL-MYERS SQUIBB COMPANY Patents By Year of Grant:	175	175
ORACLE INTERNATIONAL CORPORATION Patents By Year of Grant:	174	174
ELECTRONICS AND TELECOMMUNICATIONS RE Patents By Year of Grant:		INSTITUTE 171
STMICROELECTRONICS S.A.	1/1	1/1
Patents By Year of Grant:	170	170
MINOLTA CAMERA CO., LTD. Patents By Year of Grant:	169	169
YAMAHA CORPORATION Patents By Year of Grant:	169	169
AU OPTRONICS CORP. Patents By Year of Grant:	168	168
SHARP LABORATORIES OF AMERICA, INC. Patents By Year of Grant:	164	164
ROHM COMPANY LIMITED Patents By Year of Grant:	163	163
CYPRESS SEMICONDUCTOR CORP. Patents By Year of Grant:	162	162
NORTHROP GRUMMAN CORPORATION Patents By Year of Grant:	162	162

ORGANIZATION	2006	TOTAL
SAMSUNG SDI CO., LTD. Patents By Year of Grant:	162	162
EMC CORPORATION Patents By Year of Grant:	161	161
STMICROELECTRONICS S.R.L. Patents By Year of Grant:	161	161
SUMITOMO ELECTRIC INDUSTRIES CO., LTD. Patents By Year of Grant:	160	160
EXXONMOBIL CHEMICAL PATENTS INC. Patents By Year of Grant:	154	154
WEATHERFORD/LAMB, INC. Patents By Year of Grant:	154	154
YAZAKI CORP. Patents By Year of Grant:	154	154
L'OREAL S.A. Patents By Year of Grant:	153	153
BAYER AKTIENGESELLSCHAFT Patents By Year of Grant:	148	
GENENTECH, INC.		
Patents By Year of Grant:	146	146
PENTAX CORPORATION Patents By Year of Grant:	143	143
CATERPILLAR INC. Patents By Year of Grant:	142	142
DEERE + COMPANY Patents By Year of Grant:	142	142
NIKON CORPORATION		
Patents By Year of Grant: ANALOG DEVICES, INC.	142	142
Patents By Year of Grant:	140	140
GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY CO Patents By Year of Grant:	MPANY, 140	LLC 140
MASSACHUSETTS INSTITUTE OF TECHNOLOGY Patents By Year of Grant:	139	139
BLACK & DECKER INC. Patents By Year of Grant:	138	138
PFIZER INC. Patents By Year of Grant:	138	138
VISTEON GLOBAL TECHNOLOGIES, INC. Patents By Year of Grant:	137	137
CARDIAC PACEMAKERS, INC. Patents By Year of Grant:	136	136
EATON CORPORATION Patents By Year of Grant:	136	136

ORGANIZATION	2006	TOTAL
NTT DOCOMO, INC. Patents By Year of Grant:	135	135
BAKER HUGHES INCORPORATED Patents By Year of Grant:	134	134
PIONEER HI-BRED INTERNATIONAL, INC. Patents By Year of Grant:	134	134
SUMITOMO WIRING SYSTEMS, LTD. Patents By Year of Grant:	134	134
CORNING INCORPORATED Patents By Year of Grant:	133	133
HYUNDAI MOTOR COMPANY Patents By Year of Grant:	133	133
UNITED TECHNOLOGIES CORPORATION Patents By Year of Grant:	133	133
FINISAR CORPORATION Patents By Year of Grant:	130	130
GOODYEAR TIRE + RUBBER COMPANY Patents By Year of Grant:	130	130
MINEBEA KABUSHIKI-KAISHA (MINEBEA CO. Patents By Year of Grant:	, LTD) 128	128
BOSTON SCIENTIFIC SCIMED, INC. Patents By Year of Grant:	127	127
SAMSUNG ELECTRO-MECHANICS CO., LTD. Patents By Year of Grant:	126	126
ACUSHNET COMPANY Patents By Year of Grant:	125	125
NGK INSULATORS LTD. Patents By Year of Grant:	125	125
COUNCIL OF SCIENTIFIC AND INDUSTRIAL Patents By Year of Grant:	RESEARCH	
UNITED STATES OF AMERICA, HEALTH & HU Patents By Year of Grant:		CES
SYMBOL TECHNOLOGIES, INC.		
Patents By Year of Grant: DELL PRODUCTS, L.P.	121	121
Patents By Year of Grant: LEXMARK INTERNATIONAL, INC.	119	119
Patents By Year of Grant: CADENCE DESIGN SYSTEMS, INC.	118	118
Patents By Year of Grant:	117	117
CALIFORNIA INSTITUTE OF TECHNOLOGY Patents By Year of Grant:	115	115
CIBA SPECIALTY CHEMICALS CORPORATION Patents By Year of Grant:	114	114

ORGANIZATION	2006	TOTAL
FUNAI ELECTRIC CO., LTD. Patents By Year of Grant:	114	114
SCI-MED LIFE SYSTEMS, INC. Patents By Year of Grant:	114	114
KONICA CORPORATION Patents By Year of Grant:	113	113
BEN Q CORPORATION Patents By Year of Grant:	112	112
NCR CORPORATION Patents By Year of Grant:	112	112
LAM RESEARCH CORPORATION Patents By Year of Grant:	110	110
SPRINT COMMUNICATIONS COMPANY L.P. Patents By Year of Grant:	110	110
MACRONIX INTERNATIONAL CO., LTD. Patents By Year of Grant:	109	109
NITTO DENKO CORPORATION Patents By Year of Grant:	109	109
TYCO ELECTRONICS CORPORATION Patents By Year of Grant:	109	109
MARVELL INTERNATIONAL LTD. Patents By Year of Grant:	108	108
SHIN ETSU CHEMICAL CO., LTD. Patents By Year of Grant:	107	107
UNIVERSITY OF TEXAS Patents By Year of Grant:	107	107
APPLE COMPUTER, INC. Patents By Year of Grant:	106	106
KLA-TENCOR TECHNOLOGIES CORP. Patents By Year of Grant:	106	106
MEDIATEK INC. Patents By Year of Grant:	106	106
UNISYS CORPORATION Patents By Year of Grant:	106	106
UNITED MICROELECTRONICS CORPORATION Patents By Year of Grant:	106	106
WESTERN DIGITAL TECHNOLOGIES, INC. Patents By Year of Grant:	106	106
WYETH Patents By Year of Grant:	106	106
ASTRAZENECA AB Patents By Year of Grant:	105	105
OMRON CORPORATION Patents By Year of Grant:	105	105
-		

ORGANIZATION	2006	TOTAL
SHIMANO INC. Patents By Year of Grant:	105	105
DAI NIPPON PRINTING CO. LTD Patents By Year of Grant:	103	103
NVIDIA CORPORATION Patents By Year of Grant:	102	102
SUMITOMO CHEMICAL COMPANY, LIMITED Patents By Year of Grant:	102	102
RAMBUS, INC. Patents By Year of Grant:	101	101
WISCONSIN ALUMNI RESEARCH FOUNDATION Patents By Year of Grant:	101	101
DELTA ELECTRONICS INC. Patents By Year of Grant:	100	100
MERCK PATENT GESELLSCHAFT MIT BESCHRAN Patents By Year of Grant:	KTER HAI	
PACESETTER, INC. Patents By Year of Grant:	98	98
STANFORD UNIVERSITY Patents By Year of Grant:	98	98
AISIN SEIKI KABUSHIKI KAISHA Patents By Year of Grant:	97	97
KAO KABUSHIKI KAISHA (KAO CORPORATION) Patents By Year of Grant:	97	97
HARRIS CORP. Patents By Year of Grant:	96	96
ALSTOM TECHNOLOGY LTD Patents By Year of Grant:	94	94
NOKIA MOBILE PHONES LTD. Patents By Year of Grant:	94	94
CNH AMERICA LLC Patents By Year of Grant:	93	93
ITT MANUFACTURING ENTERPRISES, INC. Patents By Year of Grant:	93	93
ROCKWELL AUTOMATION TECHNOLOGIES, INC. Patents By Year of Grant:	93	93
COMMISSARIAT A L'ENERGIE ATOMIQUE Patents By Year of Grant:	92	92
FANUC LTD. Patents By Year of Grant:	91	91
JOHNS HOPKINS UNIVERSITY Patents By Year of Grant:	91	91
TOYODA GOSEI KABUSHIKI KAISHA Patents By Year of Grant:	91	91

ORGANIZATION 2	006 <u>T</u>	OTAL
DEGUSSA AKTIENGESELLSCHAFT Patents By Year of Grant:	90	90
FUJINON CORPORATION (FORMERLY FUJI PHOTO Patents By Year of Grant:	OPTICAL 90	CO. LTD.) 90
NSK LIMITED Patents By Year of Grant:	90	90
VICTOR COMPANY OF JAPAN, LIMITED Patents By Year of Grant:	90	90
SHOWA DENKO KABUSHIKI KAISHA Patents By Year of Grant:	88	88
ROLLS-ROYCE PLC Patents By Year of Grant:	87	87
ADVANTEST CORP. Patents By Year of Grant:	86	86
JUNIPER NETWORKS, INC. Patents By Year of Grant:	86	86
MAXTOR CORPORATION Patents By Year of Grant:	86	86
MOLEX INCORPORATED Patents By Year of Grant:	86	86
DAIMLERCHRYSLER CORPORATION Patents By Year of Grant:	85	85
ADC TELECOMMUNICATIONS, INC. Patents By Year of Grant:	84	84
HITACHI HIGH-TECHNOLOGIES CORPORATION Patents By Year of Grant:	84	84
RESEARCH IN MOTION LIMITED Patents By Year of Grant:	84	84
3COM CORPORATION Patents By Year of Grant:	83	83
ADVANCED SEMICONDUCTOR ENGINEERING, INC. Patents By Year of Grant:	83	83
MICHELIN RECHERCHE ET TECHNIQUE S.A. Patents By Year of Grant:	83	83
PITNEY-BOWES, INC. Patents By Year of Grant:	83	83
SANDISK CORPORATION Patents By Year of Grant:	83	83
SNECMA MOTEURS Patents By Year of Grant:	82	82
ZAHNRADFABRIK FRIEDRICHSHAFEN AG Patents By Year of Grant:	82	82
ASML HOLDING N.V. Patents By Year of Grant:	81	81

ORGANIZATION	2006	TOTAL
CALLAWAY GOLF COMPANY Patents By Year of Grant:	81	81
HEADWAY TECHNOLOGIES, INC. Patents By Year of Grant:	81	81
HITACHI GLOBAL STORAGE TECHNOLOGIES J Patents By Year of Grant:	APAN, LTD 81	81
INTERNATIONAL GAME TECHNOLOGY (IGT) Patents By Year of Grant:	81	81
NOVARTIS AG (FORMERLY SANDOZ LTD.) Patents By Year of Grant:	81	81
LENOVO (SINGAPORE) PTE LTD Patents By Year of Grant:	80	80
EBARA CORPORATION Patents By Year of Grant:	78	78
HOFFMANN-LA ROCHE INC. Patents By Year of Grant:	78	78
MERCK + CO., INC. Patents By Year of Grant:	78	78
MITSUBISHI ELECTRIC RESEARCH LABORATO Patents By Year of Grant:	RIES, INC 78	78
SMITHKLINE BEECHAM CORPORATION Patents By Year of Grant:	78	78
SPRINT SPECTRUM L.P. Patents By Year of Grant:	78	78
CIENA CORPORATION Patents By Year of Grant:	77	77
HILTI AKTIENGESELLSCHAFT Patents By Year of Grant:	77	77
ROHM AND HAAS COMPANY Patents By Year of Grant:	77	77
STMICROELECTRONICS, INC. Patents By Year of Grant:	77	77
ASAHI GLASS COMPANY, LTD. Patents By Year of Grant:	76	76
DIGIMARC CORPORATION Patents By Year of Grant:	76	76
MATSUSHITA ELECTRIC WORKS, LTD. Patents By Year of Grant:	76	76
NIPPON TELEGRAPH & TELEPHONE CORP. Patents By Year of Grant:	76	76
HAMAMATSU PHOTONICS KABUSHIKI KAISHA Patents By Year of Grant:	75	75
NATIONAL INSTRUMENTS CORPORATION Patents By Year of Grant:	75	75

ORGANIZATION	2006	TOTAL	
NEWFREY LLC Patents By Year of Grant:	75	75	
SEIKO INSTRUMENTS INC. Patents By Year of Grant:	75	75	
APPLERA CORPORATION Patents By Year of Grant:	74	74	
NAN YA TECHNOLOGY CORPORATION Patents By Year of Grant:	74	74	
KONICA MINOLTA BUSINESS TECHNOLOGIA Patents By Year of Grant:	ES, INC. 72	72	
UNILEVER HOME & PERSONAL CARE USA, Patents By Year of Grant:	DIVISION OF 72	CONOPCO, 72	INC.
AVAYA TECHNOLOGY CORP. Patents By Year of Grant:	71	71	
KONICA MINOLTA HOLDINGS, INC. Patents By Year of Grant:	71	71	
SCHERING CORP. Patents By Year of Grant:	71	71	
SUMITOMO RUBBER INDUSTRIES, LTD. Patents By Year of Grant:	71	71	
DONGBU ELECTRONICS CO., LTD. Patents By Year of Grant:	70	70	
INSTITUT FRANCAIS DU PETROLE Patents By Year of Grant:	70	70	
ABBOTT LABORATORIES Patents By Year of Grant:	69	69	
NTN CORPORATION Patents By Year of Grant:	69	69	
SIEMENS COMMUNICATIONS, INC. Patents By Year of Grant:	69	69	
UNIVERSITY OF MICHIGAN Patents By Year of Grant:	69	69	
ADVANCED CARDIOVASCULAR SYSTEMS, IN Patents By Year of Grant:	NC. 68	68	
BATTELLE MEMORIAL INSTITUTE Patents By Year of Grant:	68	68	
KOMATSU LTD. Patents By Year of Grant:	68	68	
MITSUBISHI HEAVY INDUSTRIES, LTD. Patents By Year of Grant:	68	68	
NEC LCD TECHNOLOGIES, LTD. Patents By Year of Grant:	68	68	
OSRAM SYLVANIA INC. Patents By Year of Grant:	68	68	

ORGANIZATION	2006	TOTAL	
SRI SPORTS LIMITED Patents By Year of Grant:	68	68	
STORAGE TECHNOLOGY CORPORATION Patents By Year of Grant:	68	68	
AIR PRODUCTS AND CHEMICALS, INC. Patents By Year of Grant:	67	67	
BORGWARNER INC. Patents By Year of Grant:	67	67	
CARRIER CORPORATION Patents By Year of Grant:	67	67	
DONGBUANAM SEMICONDUCTOR INC. Patents By Year of Grant:	67	67	
KOITO MANUFACTURING COMPANY LIMITED Patents By Year of Grant:	67	67	
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YA Patents By Year of Grant:		OR CO., LTD. 66	
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUN Patents By Year of Grant:	G DER ANG 65	GEWANDTEN FORSCHUNG 65	E.V.
HRL LABORATORIES, LLC Patents By Year of Grant:	65	65	
MCAFEE, INC. Patents By Year of Grant:	65	65	
DAINIPPON SCREEN MFG. CO., LTD. Patents By Year of Grant:	64	64	
DOW GLOBAL TECHNOLOGIES INC. Patents By Year of Grant:	64	64	
ETHICON, INC. Patents By Year of Grant:	64	64	
MILLIKEN & COMPANY Patents By Year of Grant:	64	64	
PATENT-TREUHAND-GESELLSCHAFT FUR ELEK Patents By Year of Grant:	TRISCHE (ELUHLAMPEN MBH 64	
SHIMADZU CORPORATION Patents By Year of Grant:	64	64	
BAXTER INTERNATIONAL INC. Patents By Year of Grant:	63	63	
BECTON, DICKINSON AND COMPANY Patents By Year of Grant:	63	63	
CARL ZEISS SMT AG Patents By Year of Grant:	63	63	
FURUKAWA ELECTRIC CO., LTD. Patents By Year of Grant:	63	63	
KAWASAKI JUKOGYO KABUSHIKI KAISHA Patents By Year of Grant:	63	63	

d List of Organizations with 40 or Mo	ore utility	Patents	Received	in CY.	2006
ORGANIZATION	2006	TOTAL			
KOYO SEIKO COMPANY, LTD. Patents By Year of Grant:	63	63			
WINBOND ELECTRONICS CORP. Patents By Year of Grant:	63	63			
CINGULAR WIRELESS II, LLC Patents By Year of Grant:	62	62			
FUJI JUKOGYO KABUSHIKI KAISHA Patents By Year of Grant:	62	62			
JAPAN SCIENCE AND TECHNOLOGY AGENCY Patents By Year of Grant:	62	62			
OLYMPUS OPTICAL CO., LTD. Patents By Year of Grant:	62	62			
SONY COMPUTER ENTERTAINMENT INC. Patents By Year of Grant:	62	62			
UNITED STATES OF AMERICA, NATIONAL A	AERONAUTICS 62	AND SPAC	E ADMINIS	TRATI	ON
CHARTERED SEMICONDUCTOR MANUFACTURIN Patents By Year of Grant:		61			
CORNELL RESEARCH FOUNDATION INC. Patents By Year of Grant:	61	61			
EMERSON ELECTRIC CO. Patents By Year of Grant:	61	61			
INTERNATIONAL RECTIFIER CORPORATION Patents By Year of Grant:	61	61			
MONSANTO TECHNOLOGY, LLC Patents By Year of Grant:	61	61			
NETWORK APPLIANCE, INC. Patents By Year of Grant:	61	61			
SDGI HOLDINGS, INC. Patents By Year of Grant:	61	61			
STINE SEED FARM, INC. Patents By Year of Grant:	61	61			
VERITAS OPERATING CORPORATION Patents By Year of Grant:	61	61			
AGFA-GEVAERT N.V. Patents By Year of Grant:	60	60			
AJINOMOTO COMPANY INCORPORATED Patents By Year of Grant:	60	60			
GENERAL INSTRUMENT CORPORATION Patents By Year of Grant:	60	60			
KANEKA CORPORATION Patents By Year of Grant:	60	60			
UNIVERSITY OF FLORIDA RESEARCH FOUND Patents By Year of Grant:	OATION, INC	ORPORATEI 60	,		

ORGANIZATION	2006	TOTAL
AMGEN, INC. Patents By Year of Grant:	59	59
ARM LIMITED Patents By Year of Grant:	59	59
INTEGRATED DEVICE TECHNOLOGY, INC. Patents By Year of Grant:	59	59
NGK SPARK PLUG CO., LTD. Patents By Year of Grant:	59	59
NIKE, INC. Patents By Year of Grant:	59	59
PPG INDUSTRIES OHIO INC. Patents By Year of Grant:	59	59
SPX CORPORATION Patents By Year of Grant:	59	59
THALES Patents By Year of Grant:	59	59
DAIKIN INDUSTRIES LIMITED Patents By Year of Grant:	58	58
HUMAN GENOME SCIENCES, INC. Patents By Year of Grant:	58	58
INTERSIL AMERICAS INC. Patents By Year of Grant:	58	58
METSO PAPER, INC. Patents By Year of Grant:	58	58
UOP Patents By Year of Grant:	58	58
CONOCOPHILLIPS COMPANY Patents By Year of Grant:	57	57
FIRST DATA CORPORATION INC. Patents By Year of Grant:	57	57
MITSUBISHI CHEMICAL CORPORATION Patents By Year of Grant:	57	57
MITSUMI ELECTRIC CO., LTD. Patents By Year of Grant:	57	57
MITUTOYO CORPORATION Patents By Year of Grant:	57	57
UNI-CHARM CORPORATION Patents By Year of Grant:	57	57
ADOBE SYSTEMS, INC. Patents By Year of Grant:	56	56
AMKOR TECHNOLOGY, INC. Patents By Year of Grant:	56	56
BOSCH SIEMENS HAUSGERATE GMBH Patents By Year of Grant:	56	56

ORGANIZATION	2006	TOTAL	
ELI LILLY AND COMPANY Patents By Year of Grant:	56	56	
SANDIA CORPORATION Patents By Year of Grant:	56	56	
SCHOTT AG Patents By Year of Grant:	56	56	
SILICON LABORATORIES INC. Patents By Year of Grant:	56	56	
SPANSION LLC Patents By Year of Grant:	56	56	
BAE SYSTEMS INFORMATION AND ELECTRONIC Patents By Year of Grant:	SYSTEMS 55	INTEGRATION, 55	INC.
JDS UNIPHASE CORPORATION Patents By Year of Grant:	55	55	
JSR CORPORATION Patents By Year of Grant:	55	55	
PROMOS TECHNOLOGIES, INC. Patents By Year of Grant:	55	55	
SAP AKTIENGESELLSCHAFT Patents By Year of Grant:	55	55	
TAKATA CORPORATION Patents By Year of Grant:	55	55	
TOYODA KOKI KABUSHIKI KAISHA Patents By Year of Grant:	55	55	
AOL LLC Patents By Year of Grant:	54	54	
BRUNSWICK CORPORATION Patents By Year of Grant:	54	54	
COLUMBIA UNIVERSITY Patents By Year of Grant:	54	54	
GEORGIA TECH RESEARCH CORP. Patents By Year of Grant:	54	54	
PRATT & WHITNEY CANADA CORP. Patents By Year of Grant:	54	54	
SBC PROPERTIES, L.P. Patents By Year of Grant:	54	54	
SIEMENS VDO AUTOMOTIVE CORPORATION Patents By Year of Grant:	54	54	
TOKAI RIKA DENKI SEISAKUSHO K.K. Patents By Year of Grant:	54	54	
WARNER-LAMBERT COMPANY Patents By Year of Grant:	54	54	
ANDREW CORPORATION Patents By Year of Grant:	53	53	

ORGANIZATION	2006	TOTAL
BATTELLE ENERGY ALLIANCE, LLC Patents By Year of Grant:	53	53
BRIDGESTONE CORPORATION Patents By Year of Grant:	53	53
CENTRE NATIONAL DE LA RECHERCHE SCIENT Patents By Year of Grant:	IFIQUE - 53	- CNRS 53
MILLENNIUM PHARMACEUTICALS, INC. Patents By Year of Grant:	53	53
PALO ALTO RESEARCH CENTER INCORPORATED Patents By Year of Grant:	53	53
JAPAN AVIATION ELECTRONICS INDUSTRY LT	D. 52	52
KYOCERA CORPORATION Patents By Year of Grant:	52	52
MINDSPEED TECHNOLOGIES, INC. Patents By Year of Grant:	52	52
NIPPON SHEET GLASS CO., LTD. Patents By Year of Grant:	52	52
SIEMENS VDO AUTOMOTIVE, INC. Patents By Year of Grant:	52	52
DUKE UNIVERSITY Patents By Year of Grant:	51	51
ECOLAB INC. Patents By Year of Grant:	51	51
FUJITSU TEN LIMITED Patents By Year of Grant:	51	51
JAPAN SOLDERLESS TERMINAL MFG. CO., LT. Patents By Year of Grant:	D. 51	51
MAYTAG CORPORATION Patents By Year of Grant:	51	51
ROCKWELL COLLINS, INC. Patents By Year of Grant:	51	51
UNIVERSITY OF ILLINOIS Patents By Year of Grant:	51	51
ALLERGAN, INC. Patents By Year of Grant:	50	50
CASIO COMPUTER CO. LTD. Patents By Year of Grant:	50	50
HITACHI DISPLAYS, LTD. Patents By Year of Grant:	50	50
JOHANNES HEIDENHAIN GMBH Patents By Year of Grant:	50	50
KYOCERA WIRELESS CORP. Patents By Year of Grant:	50	50

ORGANIZATION	2006	TOTAL	
L&P PROPERTY MANAGEMENT COMPANY Patents By Year of Grant:	50	50	
LATTICE SEMICONDUCTOR CORPORATION Patents By Year of Grant:	50	50	
LUK LAMELLEN UND KUPPLUNGSBAU BETEILIG Patents By Year of Grant:	GUNGS KG 50	50	
REALTEK SEMICONDUCTOR CORPORATION Patents By Year of Grant:	50	50	
SIEMENS POWER GENERATION, INC. Patents By Year of Grant:	50	50	
ADVANCED BIONICS CORPORATION Patents By Year of Grant:	49	49	
AISIN AW CO., LTD. Patents By Year of Grant:	49	49	
CLARIANT GMBH Patents By Year of Grant:	49	49	
ELPIDA MEMORY, INC. Patents By Year of Grant:	49	49	
GENERAL HOSPITAL CORPORATION Patents By Year of Grant:	49	49	
HILL-ROM SERVICES, INC. Patents By Year of Grant:	49	49	
KABUSHIKI KAISHA TOYOTA JIDOSHOKKI Patents By Year of Grant:	49	49	
NATIONAL INSTITUTE OF ADVANCED INDUSTRY Patents By Year of Grant:	RIAL SCIE 49	NCE AND TECHNOLO	GY
UT-BATTELLE, LLC			
Patents By Year of Grant:	49	49	
ADAPTEC, INC. Patents By Year of Grant:	48	48	
BRIDGESTONE SPORTS CO., LTD. Patents By Year of Grant:	48	48	
CALSONIC KANSEI CORPORATION Patents By Year of Grant:	48	48	
CHEVRON U.S.A. INC. Patents By Year of Grant:	48	48	
DANA CORPORATION Patents By Year of Grant:	48	48	
DSM IP ASSETS B.V. Patents By Year of Grant:	48	48	
EXXONMOBIL RESEARCH AND ENGINEERING CO	OMPANY 48	48	
KOREA INSTITUTE OF SCIENCE AND TECHNO: Patents By Year of Grant:	LOGY 48	48	

PORSCHE AG Patents By Year of Grant: 48	48
QINETIQ LIMITED Patents By Year of Grant: 48	48
AKZO NOBEL NV Patents By Year of Grant: 47	47
DAICEL CHEMICAL INDUSTRIES LTD. Patents By Year of Grant: 47	47
FAIRCHILD SEMICONDUCTOR CORPORATION Patents By Year of Grant: 47	47
INA-SCHAEFFLER KG Patents By Year of Grant: 47	47
INVENTEC CORPORATION Patents By Year of Grant: 47	47
METROLOGIC INSTRUMENTS INC. Patents By Year of Grant: 47	47
SHINKO ELECTRIC INDUSTRIES CO., LTD. Patents By Year of Grant: 47	47
SIEMENS CORPORATE RESEARCH, INC. Patents By Year of Grant: 47	47
UNIVERSITY OF PENNSYLVANIA Patents By Year of Grant: 47	47
CREE, INC. Patents By Year of Grant: 46	46
ERICSSON, INC. Patents By Year of Grant: 46	46
ETHICON ENDO-SURGERY, INC. Patents By Year of Grant: 46	46
KOENIG + BAUER AKTIENGESELLSCHAFT Patents By Year of Grant: 46	46
SCHERING AKTIENGESELLSCHAFT Patents By Year of Grant: 46	46
THE DIRECTV GROUP, INC. Patents By Year of Grant: 46	46
ADVICS CO., LTD. Patents By Year of Grant: 45	45
ATMEL CORPORATION Patents By Year of Grant: 45	45
BAYERISCHE MOTOREN WERKE AG Patents By Year of Grant: 45	45
HOYA CORPORATION Patents By Year of Grant: 45	45
JANSSEN PHARMACEUTICA N.V. Patents By Year of Grant: 45	45

ORGANIZATION	2006	TOTAL
MITSUBISHI GAS-CHEMICAL COMPANY, INC. Patents By Year of Grant:	45	45
NIPPON SHOKUBAI CO., LTD. Patents By Year of Grant:	45	45
QUANTA COMPUTER INC. Patents By Year of Grant:	45	45
SYNOPSYS INC. Patents By Year of Grant:	45	45
TOSHIBA TEC KABUSHIKI KAISHA Patents By Year of Grant:	45	45
SRI INTERNATIONAL Patents By Year of Grant:	44	44
Alexza Pharmaceuticals, Inc. Patents By Year of Grant:	43	43
C.R.F. SOCIETA CONSORTILE PER AZIONI Patents By Year of Grant:	43	43
GATEWAY 2000, INC. Patents By Year of Grant:	43	43
HEIDELBERGER DRUCKMASCHINEN AG Patents By Year of Grant:	43	43
HYUNDAI MOBIS, CO., LTD. Patents By Year of Grant:	43	43
KENNAMETAL INC. Patents By Year of Grant:	43	43
LITE-ON TECHNOLOGY CORPORATION Patents By Year of Grant:	43	43
UNITED STATES OF AMERICA, AIR FORCE Patents By Year of Grant:	43	43
BAUSCH & LOMB, INC. Patents By Year of Grant:	42	42
HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN Patents By Year of Grant:	N (HENKE) 42	L KGAA) 42
INFOCUS CORPORATION Patents By Year of Grant:	42	42
MAZDA MOTOR CORPORATION Patents By Year of Grant:	42	42
RESEARCH FOUNDATION OF STATE UNIVERSITY Patents By Year of Grant:	Y OF NEW 42	YORK 42
SCIENCE APPLICATIONS INTERNATIONAL CORP Patents By Year of Grant:	PORATION 42	42
SKYWORKS SOLUTIONS, INC. Patents By Year of Grant:	42	42
TAKEDA PHARMACEUTICAL COMPANY LIMITED Patents By Year of Grant:	42	42

ORGANIZATION	2006	TOTAL
VOITH PAPER PATENT GMBH Patents By Year of Grant:	42	42
ALCATEL CANADA, INC. Patents By Year of Grant:	41	41
FORD MOTOR COMPANY Patents By Year of Grant:	41	41
MITSUI CHEMICALS, INCORPORATED Patents By Year of Grant:	41	41
NOKIA NETWORKS OY Patents By Year of Grant:	41	41
NOVELLUS SYSTEMS, INC. Patents By Year of Grant:	41	41
PANASONIC COMMUNICATIONS CO., LTD. Patents By Year of Grant:	41	41
TETRA LAVAL HOLDINGS & FINANCE S.A. Patents By Year of Grant:	41	41
TOKAI RUBBER INDUSTRIES, LTD. Patents By Year of Grant:	41	41
BRITISH TELECOMMUNICATION, PLC Patents By Year of Grant:	40	40
CIRRUS LOGIC, INC. Patents By Year of Grant:	40	40
FCI AMERICAS TECHNOLOGY, INC. Patents By Year of Grant:	40	40
IMATION CORP. Patents By Year of Grant:	40	40
INTERNATIONAL ENGINE INTELLECTUAL PROPE Patents By Year of Grant:	RTY COM	MPANY, L.L.C. 40
KONICA MINOLTA MEDICAL & GRAPHIC, INC. Patents By Year of Grant:	40	40
MURATA KIKAI KABUSHIKI KAISHA Patents By Year of Grant:	40	40
OKIDATA CORPORATION Patents By Year of Grant:	40	40
PTS CORPORATION Patents By Year of Grant:	40	40
QWEST COMMUNICATIONS INTERNATIONAL INC. Patents By Year of Grant:	40	40
SEMICONDUCTOR COMPONENTS INDUSTRIES, LI Patents By Year of Grant:	LC 40	40
TEAC CORPORATION Patents By Year of Grant:	40	40
TEKELEC Patents By Year of Grant:	40	40

ORGANIZATION	2006	TOTAL
THE SCRIPPS RESEARCH INSTITUTE Patents By Year of Grant:	40	40
TOPPOLY OPTOELECTRONICS CORP. Patents By Year of Grant:	40	40
UNIVERSITY OF MARYLAND Patents By Year of Grant:	40	40
Other Organizations (25510) Patents By Year of Grant:	67612	67612