

PATENTING BY ORGANIZATIONS

2001



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U.S. PATENT AND TRADEMARK OFFICE
INFORMATION PRODUCTS DIVISION / TAF BRANCH
PK3 - Suite 441, WASHINGTON, DC 20231
tel (703) 306-2600 / FAX (703) 306-2737

A TECHNOLOGY ASSESSMENT AND FORECAST REPORT

Patenting By Organizations 2001

This report, prepared from the Technology Assessment and Forecast (TAF) database, profiles utility patents (i.e., patents for inventions) granted during **calendar year 2001**.

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 2001

In **calendar year 2001**, the U.S. Government received 957 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, 2001 - Dec 31, 2001)

<u>COUNTRY OF ORIGIN</u>	<u>2001</u>	<u>Total</u>
Total	166039	166039
U.S. Origin	87607	87607
Foreign Origin	78432	78432
JAPAN	33223	33223
GERMANY	11260	11260
TAIWAN	5371	5371
FRANCE	4041	4041
UNITED KINGDOM	3965	3965
CANADA	3606	3606
SOUTH KOREA	3538	3538
SWEDEN	1743	1743
ITALY	1709	1709
SWITZERLAND	1420	1420
NETHERLANDS	1332	1332
ISRAEL	970	970
AUSTRALIA	875	875
FINLAND	732	732
BELGIUM	718	718
AUSTRIA	589	589
DENMARK	479	479
SINGAPORE	296	296
SPAIN	269	269
NORWAY	265	265
CHINA, HONG KONG S.A.R	237	237
RUSSIAN FEDERATION	234	234
CHINA P.REP.	195	195
INDIA	177	177
IRELAND	143	143
NEW ZEALAND	124	124
SOUTH AFRICA	120	120
BRAZIL	110	110
MEXICO	81	81
HUNGARY	60	60
ARGENTINA	51	51
MALAYSIA	39	39
LUXEMBOURG	33	33
VENEZUELA	26	26
GREECE	26	26
THAILAND	24	24
Others (66)	351	351
Ownership:		
U.S. Corporations	74327	74327
U.S. Government	957	957
U.S. Individuals	15205	15205
Foreign Corporations	68942	68942
Foreign Government	92	92
Foreign Individuals	6516	6516

Percent of Utility Patents Granted By Year Of Patent Grant
 (Granted: Jan 01, 2001 - Dec 31, 2001)

<u>COUNTRY OF ORIGIN</u>	<u>2001</u>	<u>Total</u>
Total	100	100
U.S. Origin	53	53
Foreign Origin	47	47
JAPAN	20	20
GERMANY	7	7
TAIWAN	3	3
FRANCE	2	2
UNITED KINGDOM	2	2
CANADA	2	2
SOUTH KOREA	2	2
SWEDEN	1	1
ITALY	1	1
SWITZERLAND	1	1
NETHERLANDS	1	1
ISRAEL	1	1
AUSTRALIA	1	1
FINLAND		0
BELGIUM		0
AUSTRIA		0
DENMARK		0
SINGAPORE		0
SPAIN		0
NORWAY		0
CHINA, HONG KONG S.A.R		0
RUSSIAN FEDERATION		0
CHINA P.REP.		0
INDIA		0
IRELAND		0
NEW ZEALAND		0
SOUTH AFRICA		0
BRAZIL		0
MEXICO		0
HUNGARY		0
ARGENTINA		0
MALAYSIA		0
LUXEMBOURG		0
VENEZUELA		0
GREECE		0
THAILAND		0
Others (66)		0
Ownership:		
U.S. Corporations	45	45
U.S. Government	1	1
U.S. Individuals	9	9
Foreign Corporations	42	42
Foreign Government		0
Foreign Individuals	4	4

Part B1

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

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
INTERNATIONAL BUSINESS MACHINES CORPORATION		
Patents By Year of Grant:	3411	3411
NEC CORPORATION		
Patents By Year of Grant:	1953	1953
CANON KABUSHIKI KAISHA		
Patents By Year of Grant:	1877	1877
MICRON TECHNOLOGY, INC.		
Patents By Year of Grant:	1643	1643
SAMSUNG ELECTRONICS CO., LTD.		
Patents By Year of Grant:	1450	1450
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
Patents By Year of Grant:	1440	1440
SONY CORPORATION		
Patents By Year of Grant:	1363	1363
HITACHI, LTD		
Patents By Year of Grant:	1271	1271
MITSUBISHI DENKI KABUSHIKI KAISHA		
Patents By Year of Grant:	1184	1184
FUJITSU LIMITED		
Patents By Year of Grant:	1166	1166
TOSHIBA CORPORATION		
Patents By Year of Grant:	1149	1149
LUCENT TECHNOLOGIES INC.		
Patents By Year of Grant:	1109	1109
GENERAL ELECTRIC COMPANY		
Patents By Year of Grant:	1107	1107
ADVANCED MICRO DEVICES, INC.		
Patents By Year of Grant:	1086	1086
HEWLETT-PACKARD COMPANY		
Patents By Year of Grant:	978	978
INTEL CORPORATION		
Patents By Year of Grant:	809	809
TEXAS INSTRUMENTS, INCORPORATED		
Patents By Year of Grant:	799	799
SIEMENS AKTIENGESELLSCHAFT		
Patents By Year of Grant:	793	793
MOTOROLA, INC.		
Patents By Year of Grant:	778	778
EASTMAN KODAK COMPANY		
Patents By Year of Grant:	719	719
XEROX CORPORATION		
Patents By Year of Grant:	716	716
U.S. PHILIPS CORPORATION		
Patents By Year of Grant:	702	702

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
ROBERT BOSCH GMBH Patents By Year of Grant:	700	700
UNITED MICROELECTRONICS CORPORATION Patents By Year of Grant:	584	584
FUJI PHOTO FILM CO., LTD Patents By Year of Grant:	583	583
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.) Patents By Year of Grant:	562	562
HYUNDAI ELECTRONICS INDUSTRIES CO., LTD. Patents By Year of Grant:	533	533
TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. Patents By Year of Grant:	529	529
SHARP KABUSHIKI KAISHA (SHARP CORPORATION) Patents By Year of Grant:	526	526
TELEFONAKTIEBOLAGET LM ERICSSON Patents By Year of Grant:	507	507
SEIKO EPSON CORPORATION Patents By Year of Grant:	498	498
BASF AKTIENGESELLSCHAFT Patents By Year of Grant:	486	486
NORTEL NETWORKS CORPORATION Patents By Year of Grant:	461	461
HON HAI PRECISION IND. CO., LTD. Patents By Year of Grant:	441	441
SUN MICROSYSTEMS, INC. Patents By Year of Grant:	436	436
DENSO CORPORATION Patents By Year of Grant:	435	435
APPLIED MATERIALS, INC. Patents By Year of Grant:	433	433
3M INNOVATIVE PROPERTIES COMPANY Patents By Year of Grant:	431	431
DAIMLER-CHRYSLER AKTIENGESELLSCHAFT Patents By Year of Grant:	430	430
PROCTER + GAMBLE COMPANY Patents By Year of Grant:	426	426
UNIVERSITY OF CALIFORNIA, THE REGENTS OF Patents By Year of Grant:	401	401
MICROSOFT CORPORATION Patents By Year of Grant:	396	396
RICOH COMPANY, LTD. Patents By Year of Grant:	375	375
BAYER AKTIENGESELLSCHAFT Patents By Year of Grant:	362	362

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
FORD GLOBAL TECHNOLOGIES, INC. Patents By Year of Grant:	360	360
COMPAQ COMPUTER CORPORATION, INC. Patents By Year of Grant:	357	357
YAZAKI CORP. Patents By Year of Grant:	335	335
AGILENT TECHNOLOGIES, INC. Patents By Year of Grant:	334	334
E. I. DU PONT DE NEMOURS AND COMPANY Patents By Year of Grant:	330	330
TOYOTA JIDOSHA K.K. Patents By Year of Grant:	330	330
DELPHI TECHNOLOGIES, INC. Patents By Year of Grant:	327	327
MURATA MANUFACTURING CO., LTD. Patents By Year of Grant:	320	320
ALCATEL THOMSON FAISCEAUX HERTZIENS Patents By Year of Grant:	315	315
UNITED STATES OF AMERICA, NAVY Patents By Year of Grant:	313	313
TRW INC. Patents By Year of Grant:	309	309
MINOLTA CAMERA CO., LTD. Patents By Year of Grant:	304	304
OKI ELECTRIC INDUSTRY CO., LTD. Patents By Year of Grant:	298	298
AT&T CORP. Patents By Year of Grant:	289	289
LSI LOGIC CORPORATION Patents By Year of Grant:	289	289
SANYO ELECTRIC CO., LTD. Patents By Year of Grant:	286	286
NIKON CORPORATION Patents By Year of Grant:	285	285
SEAGATE TECHNOLOGY, LLC Patents By Year of Grant:	285	285
ERICSSON, INC. Patents By Year of Grant:	268	268
L'OREAL S.A. Patents By Year of Grant:	268	268
ALPS ELECTRIC CO., LTD. Patents By Year of Grant:	263	263
NISSAN MOTOR COMPANY, LIMITED Patents By Year of Grant:	260	260

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
CATERPILLAR INC. Patents By Year of Grant:	258	258
OLYMPUS OPTICAL CO., LTD. Patents By Year of Grant:	253	253
AGERE SYSTEMS GUARDIAN CORP. Patents By Year of Grant:	248	248
LG ELECTRONICS INC. Patents By Year of Grant:	248	248
SMITHKLINE BEECHAM CORPORATION Patents By Year of Grant:	248	248
ASAHI KOGAKU KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	234	234
KIMBERLY-CLARK WORLDWIDE, INC. Patents By Year of Grant:	234	234
STMICROELECTRONICS S.R.L. Patents By Year of Grant:	231	231
INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN Patents By Year of Grant:	221	221
3COM CORPORATION Patents By Year of Grant:	220	220
INFINEON TECHNOLOGIES AG Patents By Year of Grant:	218	218
TDK CORPORATION Patents By Year of Grant:	216	216
CORNING INCORPORATED Patents By Year of Grant:	214	214
SEMICONDUCTOR ENERGY LABORATORY CO., LTD. Patents By Year of Grant:	209	209
HONEYWELL INTERNATIONAL INC. Patents By Year of Grant:	205	205
TOKYO ELECTRON LIMITED Patents By Year of Grant:	203	203
VISTEON GLOBAL TECHNOLOGIES, INC. Patents By Year of Grant:	202	202
DAIMLERCHRYSLER CORPORATION Patents By Year of Grant:	196	196
BROTHER KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	188	188
NOKIA MOBILE PHONES LTD. Patents By Year of Grant:	186	186
MEDTRONIC INC. Patents By Year of Grant:	185	185
MERCK + CO., INC. Patents By Year of Grant:	185	185

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
NATIONAL SEMICONDUCTOR CORPORATION		
Patents By Year of Grant:	183	183
RAYTHEON COMPANY		
Patents By Year of Grant:	182	182
SCI-MED LIFE SYSTEMS, INC.		
Patents By Year of Grant:	180	180
PHILIPS ELECTRONICS NORTH AMERICA CORP.		
Patents By Year of Grant:	177	177
GENERAL MOTORS CORPORATION		
Patents By Year of Grant:	176	176
ILLINOIS TOOL WORKS INC.		
Patents By Year of Grant:	176	176
HUGHES ELECTRONICS CORP.		
Patents By Year of Grant:	175	175
QUALCOMM, INC.		
Patents By Year of Grant:	173	173
PFIZER INC.		
Patents By Year of Grant:	172	172
AVAYA TECHNOLOGY CORP.		
Patents By Year of Grant:	170	170
HALLIBURTON ENERGY SERVICES, INC.		
Patents By Year of Grant:	169	169
SUMITOMO CHEMICAL COMPANY, LIMITED		
Patents By Year of Grant:	168	168
DOW CHEMICAL COMPANY		
Patents By Year of Grant:	167	167
MITSUBISHI HEAVY INDUSTRIES CO., LTD.		
Patents By Year of Grant:	164	164
BOEING COMPANY		
Patents By Year of Grant:	163	163
CISCO TECHNOLOGY, INC.		
Patents By Year of Grant:	163	163
ALLIED-SIGNAL INC.		
Patents By Year of Grant:	162	162
UNITED STATES OF AMERICA, ARMY		
Patents By Year of Grant:	161	161
BAKER HUGHES INCORPORATED		
Patents By Year of Grant:	158	158
FUJI XEROX CO., LTD.		
Patents By Year of Grant:	158	158
SCHLUMBERGER TECHNOLOGY CORPORATION		
Patents By Year of Grant:	158	158
BRIDGESTONE CORPORATION		
Patents By Year of Grant:	156	156

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
 Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
SUMITOMO ELECTRIC INDUSTRIES CO., LTD. Patents By Year of Grant:	156	156
INSTITUT FRANCAIS DU PETROLE Patents By Year of Grant:	154	154
LOCKHEED MARTIN CORPORATION Patents By Year of Grant:	152	152
SUMITOMO WIRING SYSTEMS, LTD., CO. Patents By Year of Grant:	152	152
EATON CORPORATION Patents By Year of Grant:	148	148
KONICA CORPORATION Patents By Year of Grant:	148	148
SEIKO INSTRUMENTS INC. Patents By Year of Grant:	148	148
AGFA-GEVAERT N.V. Patents By Year of Grant:	140	140
GOODYEAR TIRE + RUBBER COMPANY Patents By Year of Grant:	138	138
CHARTERED SEMICONDUCTOR MANUFACTURING PTE LTD Patents By Year of Grant:	135	135
DELL PRODUCTS, L.P. Patents By Year of Grant:	132	132
NCR CORPORATION Patents By Year of Grant:	132	132
NGK INSULATORS LTD. Patents By Year of Grant:	132	132
ROHM COMPANY LIMITED Patents By Year of Grant:	132	132
CONEXANT SYSTEMS, INC. Patents By Year of Grant:	131	131
LEXMARK INTERNATIONAL, INC. Patents By Year of Grant:	131	131
L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE Patents By Year of Grant:	129	129
SHIN ETSU CHEMICAL CO., LTD. Patents By Year of Grant:	128	128
SHELL OIL COMPANY Patents By Year of Grant:	127	127
WINBOND ELECTRONICS CORP. Patents By Year of Grant:	126	126
MASSACHUSETTS INSTITUTE OF TECHNOLOGY Patents By Year of Grant:	125	125
TOYODA JIDOSHOKKI SEISAKUSHO KABUSHIKI KAISHA Patents By Year of Grant:	125	125

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
XILINX, INC.		
Patents By Year of Grant:	125	125
ABBOTT LABORATORIES		
Patents By Year of Grant:	124	124
CALIFORNIA INSTITUTE OF TECHNOLOGY		
Patents By Year of Grant:	124	124
DEERE + COMPANY		
Patents By Year of Grant:	122	122
PIONEER ELECTRONIC CORPORATION		
Patents By Year of Grant:	120	120
NSK LIMITED		
Patents By Year of Grant:	117	117
SILVERBROOK RESEARCH PTY. LTD		
Patents By Year of Grant:	117	117
ELI LILLY AND COMPANY		
Patents By Year of Grant:	115	115
YAMAHA CORPORATION		
Patents By Year of Grant:	115	115
ALTERA CORPORATION		
Patents By Year of Grant:	114	114
CIBA SPECIALTY CHEMICALS CORPORATION		
Patents By Year of Grant:	114	114
PIONEER HI-BRED INTERNATIONAL, INC.		
Patents By Year of Grant:	114	114
NOVARTIS AG (FORMERLY SANDOZ LTD.)		
Patents By Year of Grant:	113	113
ITT MANUFACTURING ENTERPRISES, INC.		
Patents By Year of Grant:	112	112
VANGUARD INTERNATIONAL SEMICONDUCTOR CORPORATION		
Patents By Year of Grant:	112	112
AISIN SEIKI KABUSHIKI KAISHA		
Patents By Year of Grant:	109	109
STMICROELECTRONICS S.A.		
Patents By Year of Grant:	109	109
mitsui chemicals, incorporated		
Patents By Year of Grant:	108	108
BAYER CORPORATION		
Patents By Year of Grant:	107	107
CYPRESS SEMICONDUCTOR CORP.		
Patents By Year of Grant:	107	107
ISIS PHARMACEUTICALS, INC.		
Patents By Year of Grant:	107	107
MOLEX INCORPORATED		
Patents By Year of Grant:	107	107

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
UNISYS CORPORATION		
Patents By Year of Grant:	107	107
EASTMAN CHEMICAL CO., LTD.		
Patents By Year of Grant:	106	106
NOKIA TELECOMMUNICATIONS OY		
Patents By Year of Grant:	105	105
ADVANTEST CORP.		
Patents By Year of Grant:	103	103
LAM RESEARCH CORPORATION		
Patents By Year of Grant:	103	103
PPG INDUSTRIES OHIO INC.		
Patents By Year of Grant:	103	103
VOITH SULZER PAPIERTECHNIK PATENT GMBH		
Patents By Year of Grant:	103	103
BRISTOL-MYERS SQUIBB COMPANY		
Patents By Year of Grant:	102	102
TAKEDA CHEMICAL INDUSTRIES LTD.		
Patents By Year of Grant:	102	102
UNITED STATES OF AMERICA, HEALTH & HUMAN SERVICES		
Patents By Year of Grant:	102	102
UNITED TECHNOLOGIES CORPORATION		
Patents By Year of Grant:	101	101
KOMATSU LTD.		
Patents By Year of Grant:	100	100
UNITED STATES OF AMERICA, AIR FORCE		
Patents By Year of Grant:	100	100
HYUNDAI MOTOR CO., LTD.		
Patents By Year of Grant:	99	99
SANDIA CORPORATION		
Patents By Year of Grant:	99	99
APPLE COMPUTER, INC.		
Patents By Year of Grant:	97	97
DANA CORPORATION		
Patents By Year of Grant:	97	97
MANNESMANN VDO AG		
Patents By Year of Grant:	96	96
STMICROELECTRONICS, INC.		
Patents By Year of Grant:	96	96
TOSHIBA TEC KABUSHIKI KAISHA		
Patents By Year of Grant:	96	96
COLGATE-PALMOLIVE COMPANY		
Patents By Year of Grant:	95	95
ROHM AND HAAS COMPANY		
Patents By Year of Grant:	95	95

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
BRITISH TELECOMMUNICATION, PLC Patents By Year of Grant:	94	94
CARRIER CORPORATION Patents By Year of Grant:	94	94
FUJI PHOTO OPTICAL CO. LTD. Patents By Year of Grant:	94	94
HEIDELBERGER DRUCKMASCHINEN AG Patents By Year of Grant:	94	94
HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN(HENKEL KGAA) Patents By Year of Grant:	94	94
KAO KABUSHIKI KAISHA (KAO CORPORATION) Patents By Year of Grant:	93	93
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD. Patents By Year of Grant:	92	92
EMC CORPORATION Patents By Year of Grant:	91	91
LITTON SYSTEMS INC. Patents By Year of Grant:	91	91
NOVO NORDISK A/S Patents By Year of Grant:	91	91
THOMSON LICENSING S.A. Patents By Year of Grant:	91	91
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION Patents By Year of Grant:	91	91
NESTEC, S.A. Patents By Year of Grant:	90	90
AKZO NOBEL NV Patents By Year of Grant:	89	89
PHILLIPS PETROLEUM COMPANY Patents By Year of Grant:	89	89
UNIVERSITY OF TEXAS Patents By Year of Grant:	89	89
HARRIS CORP. Patents By Year of Grant:	88	88
NORTHROP GRUMMAN CORPORATION Patents By Year of Grant:	88	88
VLSI TECHNOLOGY, INC. Patents By Year of Grant:	88	88
DAI NIPPON PRINTING CO. LTD Patents By Year of Grant:	87	87
KAWASAKI STEEL CORPORATION Patents By Year of Grant:	86	86
MATSUSHITA ELECTRONICS CORPORATION Patents By Year of Grant:	86	86

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
SILICON GRAPHICS, INC. Patents By Year of Grant:	86	86
AIR PRODUCTS AND CHEMICALS, INC. Patents By Year of Grant:	84	84
CITIZEN WATCH CO., LTD. Patents By Year of Grant:	84	84
KANEKA CORPORATION Patents By Year of Grant:	84	84
STANFORD UNIVERSITY, LELAND JUNIOR, THE BOARD OF TRUSTEES OF Patents By Year of Grant:	84	84
UOP Patents By Year of Grant:	84	84
BREED AUTOMOTIVE TECHNOLOGY, INC. Patents By Year of Grant:	83	83
COMMISSARIAT A L'ENERGIE ATOMIQUE Patents By Year of Grant:	83	83
UNILEVER HOME & PERSONAL CARE USA, DIVISION OF CONOPCO, INC. Patents By Year of Grant:	83	83
CIRRUS LOGIC, INC. Patents By Year of Grant:	82	82
DEGUSSA-HUELS AKTIENGESELLSCHAFT Patents By Year of Grant:	82	82
PRAXAIR TECHNOLOGY, INC. Patents By Year of Grant:	82	82
SHIMANO INC. Patents By Year of Grant:	82	82
SUMITOMO RUBBER INDUSTRIES, LTD. Patents By Year of Grant:	82	82
ASAHI GLASS COMPANY, LTD. Patents By Year of Grant:	81	81
EBARA CORPORATION, NIKKISO CO., LTD. Patents By Year of Grant:	81	81
PITNEY-BOWES, INC. Patents By Year of Grant:	81	81
SARNOFF CORPORATION & CO., LTD. Patents By Year of Grant:	81	81
WARNER-LAMBERT COMPANY Patents By Year of Grant:	81	81
DAIKIN INDUSTRIES LIMITED Patents By Year of Grant:	80	80
ZENECA LIMITED Patents By Year of Grant:	80	80
BECTON, DICKINSON AND COMPANY Patents By Year of Grant:	79	79

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
WHITAKER CORPORATION		
Patents By Year of Grant:	79	79
CONTINENTAL TEVES AG & CO., OHG		
Patents By Year of Grant:	78	78
JOHNS HOPKINS UNIVERSITY		
Patents By Year of Grant:	78	78
MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG		
Patents By Year of Grant:	78	78
NATIONAL SCIENCE COUNCIL		
Patents By Year of Grant:	78	78
NIPPON TELEGRAPH & TELEPHONE CORP.		
Patents By Year of Grant:	78	78
BAXTER INTERNATIONAL INC.		
Patents By Year of Grant:	77	77
BLACK & DECKER INC.		
Patents By Year of Grant:	77	77
CHISSO CORPORATION		
Patents By Year of Grant:	77	77
HOFFMANN-LA ROCHE INC.		
Patents By Year of Grant:	77	77
SOUTHPAC TRUST INTERNATIONAL, INC.		
Patents By Year of Grant:	77	77
ADVANCED CARDIOVASCULAR SYSTEMS, INC.		
Patents By Year of Grant:	76	76
MICRON ELECTRONICS, INC.		
Patents By Year of Grant:	76	76
MILLENNIUM PHARMACEUTICALS, INC.		
Patents By Year of Grant:	76	76
MITSUBISHI CHEMICAL CORPORATION		
Patents By Year of Grant:	76	76
DSM N.V.		
Patents By Year of Grant:	75	75
ROCHE DIAGNOSTICS GMBH		
Patents By Year of Grant:	74	74
WACKER-CHEMIE GMBH		
Patents By Year of Grant:	74	74
ETHICON, INC.		
Patents By Year of Grant:	73	73
WISCONSIN ALUMNI RESEARCH FOUNDATION		
Patents By Year of Grant:	73	73
AMERICAN HOME PRODUCTS CORPORATION		
Patents By Year of Grant:	72	72
ASEA BROWN BOVERI AKTIENGESELLSCHAFT		
Patents By Year of Grant:	72	72

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
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<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE		
Patents By Year of Grant:	72	72
SAMSUNG DISPLAY DEVICES CO., LTD.		
Patents By Year of Grant:	72	72
SANDVIK AKTIEBOLAG		
Patents By Year of Grant:	72	72
SCHERING CORP.		
Patents By Year of Grant:	72	72
SMITHKLINE BEECHAM PLC		
Patents By Year of Grant:	72	72
TORAY INDUSTRIES INC.		
Patents By Year of Grant:	72	72
CARDIAC PACEMAKERS, INC.		
Patents By Year of Grant:	71	71
NIPPON SHOKUBAI CO., LTD.		
Patents By Year of Grant:	71	71
CASIO COMPUTER CO. LTD.		
Patents By Year of Grant:	70	70
EXXON RESEARCH + ENGINEERING CO.		
Patents By Year of Grant:	70	70
NITTO DENKO CORPORATION		
Patents By Year of Grant:	70	70
SHOWA DENKO KABUSHIKI KAISHA		
Patents By Year of Grant:	70	70
TESSERA, INC.		
Patents By Year of Grant:	70	70
AMERICAN CYANAMID COMPANY		
Patents By Year of Grant:	69	69
CASE CORPORATION		
Patents By Year of Grant:	69	69
EMERSON ELECTRIC CO.		
Patents By Year of Grant:	69	69
LG. PHILIPS LCD CO., LTD.		
Patents By Year of Grant:	69	69
WALKER DIGITAL, LLC		
Patents By Year of Grant:	69	69
HENKEL CORPORATION		
Patents By Year of Grant:	68	68
MOSEL VITELIC, INCORPORATED		
Patents By Year of Grant:	68	68
NGK SPARK PLUG CO., LTD.		
Patents By Year of Grant:	68	68
GENERAL HOSPITAL CORPORATION		
Patents By Year of Grant:	67	67

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<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
KOITO MANUFACTURING COMPANY LIMITED Patents By Year of Grant:	67	67
LUCAS INDUSTRIES PUBLIC LTD. COMPANY Patents By Year of Grant:	67	67
ORACLE CORPORATION Patents By Year of Grant:	67	67
UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE Patents By Year of Grant:	67	67
ALLERGAN SALES, INC. Patents By Year of Grant:	66	66
ASAHI KASEI KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	66	66
EXXON CHEMICALS PATENTS INC. Patents By Year of Grant:	66	66
GENENTECH, INC. Patents By Year of Grant:	66	66
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY Patents By Year of Grant:	66	66
AGENCY OF INDUSTRIAL SCIENCE & TECHNOLOGY Patents By Year of Grant:	65	65
BAYERISCHE MOTOREN WERKE AG Patents By Year of Grant:	65	65
ANALOG DEVICES, INC. Patents By Year of Grant:	64	64
UNISIA JECS CORPORATION Patents By Year of Grant:	64	64
MONSANTO COMPANY, INC. Patents By Year of Grant:	63	63
SANSHIN KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	63	63
VICTOR COMPANY OF JAPAN, LIMITED Patents By Year of Grant:	63	63
CORNELL RESEARCH FOUNDATION INC. Patents By Year of Grant:	61	61
INCYTE GENOMICS, INC. Patents By Year of Grant:	61	61
INTERMEC IP CORP. Patents By Year of Grant:	61	61
MANNESMANN AG Patents By Year of Grant:	61	61
ACUSON CORPORATION Patents By Year of Grant:	60	60
AJINOMOTO COMPANY INCORPORATED Patents By Year of Grant:	60	60

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Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
ALCATEL USA SOURCING, L.P. Patents By Year of Grant:	60	60
DONNELLY CORPORATION Patents By Year of Grant:	60	60
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANTEN FORSCHUNG E.V. Patents By Year of Grant:	60	60
MCI COMMUNICATIONS CORP. Patents By Year of Grant:	60	60
SHARP LABORATORIES OF AMERICA, INC. Patents By Year of Grant:	60	60
BERG TECHNOLOGY, INC. Patents By Year of Grant:	59	59
CLARIANT GMBH Patents By Year of Grant:	59	59
UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION Patents By Year of Grant:	59	59
BASF CORP. Patents By Year of Grant:	58	58
COLUMBIA UNIVERSITY Patents By Year of Grant:	58	58
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant:	58	58
DOW CORNING CORPORATION Patents By Year of Grant:	58	58
EXXONMOBIL CHEMICAL PATENTS INC. Patents By Year of Grant:	58	58
GLAXO WELLCOME INC. Patents By Year of Grant:	58	58
INA WALZLAGER SCHAEFFLER OHG Patents By Year of Grant:	58	58
MANNESMANN SACHS AG Patents By Year of Grant:	58	58
PATENT-TREUHAND-GESELLSCHAFT FUR ELEKTRISCHE GLUHLAMPEN MBH Patents By Year of Grant:	57	57
RHODIA CHIMIE Patents By Year of Grant:	57	57
STORAGE TECHNOLOGY CORPORATION Patents By Year of Grant:	57	57
TRIMBLE NAVIGATION, LTD. Patents By Year of Grant:	57	57
TRW OCCUPANY RESTRAINT SYSTEMS GMBH & CO., KG Patents By Year of Grant:	56	56
CHIRON CORPORATION Patents By Year of Grant:	55	55

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 Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
DUKE UNIVERSITY INC.		
Patents By Year of Grant:	55	55
SPALDING SPORTS WORLDWIDE, INC.		
Patents By Year of Grant:	55	55
THE SCRIPPS RESEARCH INSTITUTE		
Patents By Year of Grant:	55	55
UT-BATTELLE, LLC		
Patents By Year of Grant:	55	55
AGERE SYSTEMS OPTOELECTRONICS GUARDIAN CORP.		
Patents By Year of Grant:	54	54
AVENTIS PHARMA DEUTSCHLAND GMBH		
Patents By Year of Grant:	54	54
DAEWOO ELECTRONICS COMPANY, LTD.		
Patents By Year of Grant:	54	54
FUJI JUKOGYO KABUSHIKI KAISHA		
Patents By Year of Grant:	54	54
INFINEON TECHNOLOGIES NORTH AMERICA CORP.		
Patents By Year of Grant:	54	54
MAZDA MOTOR CORPORATION		
Patents By Year of Grant:	54	54
MERITOR HEAVY VEHICLE SYSTEMS, LLC		
Patents By Year of Grant:	54	54
MILLIKEN & COMPANY		
Patents By Year of Grant:	54	54
NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING CORPORATION		
Patents By Year of Grant:	54	54
READ-RITE CORPORATION		
Patents By Year of Grant:	54	54
ROCKWELL COLLINS, INC.		
Patents By Year of Grant:	54	54
TEIJIN LIMITED		
Patents By Year of Grant:	54	54
DAICEL CHEMICAL INDUSTRIES LTD.		
Patents By Year of Grant:	53	53
FANUC LTD.		
Patents By Year of Grant:	53	53
FUJI ELECTRIC CO., LTD.		
Patents By Year of Grant:	53	53
HILL-ROM COMPANY, INC.		
Patents By Year of Grant:	53	53
MATSUSHITA ELECTRIC WORKS, LTD.		
Patents By Year of Grant:	53	53
PACESETTER, INC.		
Patents By Year of Grant:	53	53

Organizational Patenting (Granted: Jan 01, 2001 - Dec 31, 2001)
Ranked List of Organizations with 40 or More Utility Patents, Number of Patents Received in CY2001

<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
TEKTRONIX INC. Patents By Year of Grant:	53	53
TETRA LAVAL HOLDINGS & FINANCE S.A. Patents By Year of Grant:	53	53
VALMET CORP. Patents By Year of Grant:	53	53
FURUKAWA ELECTRIC CO., LTD. Patents By Year of Grant:	52	52
MOBIL OIL CORP. Patents By Year of Grant:	52	52
SMS SCHLOEMANN-SIEMAG AG Patents By Year of Grant:	52	52
UNIVERSITY OF PENNSYLVANIA Patents By Year of Grant:	52	52
ZAHNRADFABRIK FRIEDRICHSHAFEN AG Patents By Year of Grant:	52	52
BORGWARNER INC. Patents By Year of Grant:	51	51
BRUNSWICK CORPORATION Patents By Year of Grant:	51	51
CRYOVAC, INC. Patents By Year of Grant:	51	51
mitsubishi gas-chemical company, inc. Patents By Year of Grant:	51	51
NIPPON STEEL CORP. Patents By Year of Grant:	51	51
SHIN-ETSU HANDOTAI CO., LTD. Patents By Year of Grant:	51	51
SUZUKI MOTOR CORPORATION Patents By Year of Grant:	51	51
TRW VEHICLE SAFETY SYSTEMS, INC. Patents By Year of Grant:	51	51
UNIVERSITY OF MICHIGAN Patents By Year of Grant:	51	51
AFFYMETRIX, INC. Patents By Year of Grant:	50	50
AVERY DENNISON CORPORATION Patents By Year of Grant:	50	50
LUDWIG INSTITUTE FOR CANCER RESEARCH Patents By Year of Grant:	50	50
PENN STATE RESEARCH FOUNDATION, INC. Patents By Year of Grant:	50	50
PIONEER CORPORATION Patents By Year of Grant:	50	50

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<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
SIEMENS WESTINGHOUSE POWER CORPORATION Patents By Year of Grant:	50	50
TOYODA GOSEI KABUSHIKI KAISHA Patents By Year of Grant:	50	50
ALZA CORPORATION Patents By Year of Grant:	49	49
CUMMINS ENGINE CO., INC. Patents By Year of Grant:	49	49
IOMEGA CORPORATION Patents By Year of Grant:	49	49
LEAR CORPORATION Patents By Year of Grant:	49	49
MITSUMI ELECTRIC CO., LTD. Patents By Year of Grant:	49	49
SIEMENS INFORMATION AND COMMUNICATIONS NETWORKS, INC. Patents By Year of Grant:	49	49
SOCIETE NATIONALE D'ETUDE ET DE CONSTRUCTION DE MOTEURS D'AVIATION "S.N.E.C.M.A." Patents By Year of Grant:	49	49
ACUSHNET COMPANY Patents By Year of Grant:	48	48
DEUTSCHE THOMSON-BRANDT GMBH Patents By Year of Grant:	48	48
DOW CORNING TORAY SILICONE COMPANY LIMITED Patents By Year of Grant:	48	48
DUPONT PHARMACEUTICALS COMPANY Patents By Year of Grant:	48	48
HONEYWELL INC. Patents By Year of Grant:	48	48
HUBBELL INCORPORATED Patents By Year of Grant:	48	48
PORSCHE AG Patents By Year of Grant:	48	48
TAKATA CORPORATION Patents By Year of Grant:	48	48
VOLKSWAGEN AKTIENGESELLSCHAFT Patents By Year of Grant:	48	48
ADAPTEC, INC. Patents By Year of Grant:	47	47
FMC CORPORATION Patents By Year of Grant:	47	47
GILLETTE COMPANY Patents By Year of Grant:	47	47
INSTITUT PASTEUR Patents By Year of Grant:	47	47

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<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
ROCKWELL TECHNOLOGIES, LLC Patents By Year of Grant:	47	47
STINE SEED FARM, INC. Patents By Year of Grant:	47	47
TYCO ELECTRONICS CORPORATION Patents By Year of Grant:	47	47
ADVANCED TECHNOLOGY MATERIALS, INC. Patents By Year of Grant:	46	46
EVEREADY BATTERY COMPANY, INC. Patents By Year of Grant:	46	46
KOBE STEEL LTD. Patents By Year of Grant:	46	46
KYOCERA CORPORATION Patents By Year of Grant:	46	46
MINEBEA KABUSHIKI-KAISHA (MINEBEA CO., LTD) Patents By Year of Grant:	46	46
PHARMACIA & UPJOHN COMPANY Patents By Year of Grant:	46	46
RISO KAGAKU CORPORATION Patents By Year of Grant:	46	46
SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM Patents By Year of Grant:	46	46
THOMSON-CSF Patents By Year of Grant:	46	46
ADC TELECOMMUNICATIONS, INC. Patents By Year of Grant:	45	45
AMGEN Patents By Year of Grant:	45	45
FORT JAMES CORPORATION Patents By Year of Grant:	45	45
NTN CORPORATION Patents By Year of Grant:	45	45
UNI-CHARM CORPORATION Patents By Year of Grant:	45	45
ATI INTERNATIONAL SRL Patents By Year of Grant:	44	44
BRIDGESTONE SPORTS CO., LTD. Patents By Year of Grant:	44	44
CAMCO INTERNATIONAL INC. Patents By Year of Grant:	44	44
NIPPON SHEET GLASS CO., LTD. Patents By Year of Grant:	44	44
OWENS-CORNING FIBERGLAS CORPORATION Patents By Year of Grant:	44	44

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<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
SQUARE D COMPANY		
Patents By Year of Grant:	44	44
WESTINGHOUSE AIR BRAKE COMPANY		
Patents By Year of Grant:	44	44
IDEMITSU PETROCHEMICAL COMPANY LTD.		
Patents By Year of Grant:	43	43
KOYO SEIKO COMPANY, LTD.		
Patents By Year of Grant:	43	43
LUBRIZOL CORPORATION		
Patents By Year of Grant:	43	43
SMITH INTERNATIONAL INC.		
Patents By Year of Grant:	43	43
UNIVERSITY OF WASHINGTON		
Patents By Year of Grant:	43	43
BOSTON SCIENTIFIC CORPORATION		
Patents By Year of Grant:	42	42
BROADCOM CORPORATION		
Patents By Year of Grant:	42	42
CTS CORPORATION		
Patents By Year of Grant:	42	42
LG SEMICON CO., LTD.		
Patents By Year of Grant:	42	42
NOKIA NETWORKS OY		
Patents By Year of Grant:	42	42
ROLLS-ROYCE PLC		
Patents By Year of Grant:	42	42
SIEMENS AUTOMOTIVE CORPORATION		
Patents By Year of Grant:	42	42
SPACE SYSTEMS/LORAL, INC.		
Patents By Year of Grant:	42	42
THOMAS & BETTS INTERNATIONAL, INC.		
Patents By Year of Grant:	42	42
TOKAI RIKI DENKI SEISAKUSHO K.K.		
Patents By Year of Grant:	42	42
ADOBE SYSTEMS, INC.		
Patents By Year of Grant:	41	41
AKTIEBOLAGET ASTRA		
Patents By Year of Grant:	41	41
DEPUY ORTHOPAEDICS, INC.		
Patents By Year of Grant:	41	41
IMATION CORP.		
Patents By Year of Grant:	41	41
KOENIG + BAUER AKTIENGESELLSCHAFT		
Patents By Year of Grant:	41	41

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<u>ORGANIZATION</u>	<u>2001</u>	<u>TOTAL</u>
KONAMI CO., LTD.		
Patents By Year of Grant:	41	41
MAYTAG CORPORATION		
Patents By Year of Grant:	41	41
MCDONNELL DOUGLAS CORP.		
Patents By Year of Grant:	41	41
SALOMON S.A.		
Patents By Year of Grant:	41	41
TOKAI RUBBER INDUSTRIES, LTD.		
Patents By Year of Grant:	41	41
YKK CORPORATION		
Patents By Year of Grant:	41	41
ABB RESEARCH LTD.		
Patents By Year of Grant:	40	40
ASTRAZENECA AB		
Patents By Year of Grant:	40	40
ECOLAB INC.		
Patents By Year of Grant:	40	40
FUJISAWA PHARMACEUTICAL CO., LTD.		
Patents By Year of Grant:	40	40
HITACHI CHEMICAL COMPANY, LTD.		
Patents By Year of Grant:	40	40
JOHNSON CONTROLS TECHNOLOGY COMPANY		
Patents By Year of Grant:	40	40
KURARAY CO., LTD.		
Patents By Year of Grant:	40	40
mitsubishi materials CORPORATION		
Patents By Year of Grant:	40	40
NOVOZYMES A/S		
Patents By Year of Grant:	40	40
PICKER INTERNATIONAL, INC.		
Patents By Year of Grant:	40	40
QWEST COMMUNICATIONS INTERNATIONAL INC.		
Patents By Year of Grant:	40	40
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK		
Patents By Year of Grant:	40	40
Other Organizations (26257)		
Patents By Year of Grant:	67572	67572