

PATENTING BY ORGANIZATIONS

1996



March 1997

U.S. PATENT AND TRADEMARK OFFICE
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A TECHNOLOGY ASSESSMENT AND FORECAST REPORT

Patenting By Organizations 1996

This report, prepared from the Technology Assessment and Forecast (TAF) data base, profiles utility patents (i.e., patents for inventions) granted during **calendar year 1996** .

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 which received 30 or more patents during the calendar year. Organizations are ranked based on their patent count.

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 1996

In **calendar year 1996** , the U.S. Government received **923** 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 30 or more patents during the calendar year is listed in **Part B1**.

Part A1

(Patent Grants as Distributed By Date of Patent Grant)

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1996 - Dec 31, 1996) ----

	NUMBER OF PATENTS	
	1996	Total
Total	109646	109646
U.S. Origin	61104	61104
Foreign Origin	48542	48542
JAPAN	23053	23053
GERMANY	6818	6818
FRANCE	2788	2788
UNITED KINGDOM	2453	2453
CANADA	2233	2233
TAIWAN	1897	1897
SOUTH KOREA	1493	1493
ITALY	1200	1200
SWITZERLAND	1112	1112
SWEDEN	854	854
NETHERLANDS	797	797
BELGIUM	488	488
ISRAEL	484	484
AUSTRALIA	472	472
FINLAND	444	444
AUSTRIA	361	361
DENMARK	241	241
SPAIN	157	157
NORWAY	139	139
RUSSIAN FEDERATION	116	116
S. AFRICA	111	111
HONG KONG	88	88
SINGAPORE	88	88
IRELAND	78	78
BRAZIL	63	63
NEW ZEALAND	52	52
CHINA P. REP.	46	46
HUNGARY	43	43
MEXICO	39	39
INDIA	35	35
ARGENTINA	30	30
VENEZUELA	25	25
GREECE	18	18
LUXEMBOURG	18	18
U.S.S.R.	16	16
POLAND	15	15
Others (53)	177	177
Ownership:		
U.S. Corporations	48741	48741
U.S. Government	923	923
U.S. Individuals	13729	13729
Foreign Corporations	41476	41476
Foreign Government	259	259
Foreign Individuals	4518	4518

----- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1996 - Dec 31, 1996) -----

	PERCENT OF PATENTS	
	1996	Total
Total	100	100
U.S. Origin	56	56
Foreign Origin	44	44
JAPAN	21	21
GERMANY	6	6
FRANCE	3	3
UNITED KINGDOM	2	2
CANADA	2	2
TAIWAN	2	2
SOUTH KOREA	1	1
ITALY	1	1
SWITZERLAND	1	1
SWEDEN	1	1
NETHERLANDS	1	1
BELGIUM		0
ISRAEL		0
AUSTRALIA		0
FINLAND		0
AUSTRIA		0
DENMARK		0
SPAIN		0
NORWAY		0
RUSSIAN FEDERATION		0
S. AFRICA		0
HONG KONG		0
SINGAPORE		0
IRELAND		0
BRAZIL		0
NEW ZEALAND		0
CHINA P.REP.		0
HUNGARY		0
MEXICO		0
INDIA		0
ARGENTINA		0
VENEZUELA		0
GREECE		0
LUXEMBOURG		0
U.S.S.R.		0
POLAND		0
Others (53)		0
Ownership:		
U.S. Corporations	44	44
U.S. Government	1	1
U.S. Individuals	13	13
Foreign Corporations	38	38
Foreign Government		0
Foreign Individuals	4	4

Part B1

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

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

----- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ----- Ranked List of Organizations with 30 or More Patents -----

	1996	TOTAL
INTERNATIONAL BUSINESS MACHINES CORPORATION Patents By Year of Grant:	1867	1867
CANON KABUSHIKI KAISHA Patents By Year of Grant:	1541	1541
MOTOROLA, INC. Patents By Year of Grant:	1064	1064
NEC CORPORATION Patents By Year of Grant:	1043	1043
HITACHI, LTD Patents By Year of Grant:	963	963
mitsubishi denki kabushiki kaisha Patents By Year of Grant:	934	934
TOSHIBA CORPORATION Patents By Year of Grant:	914	914
FUJITSU LIMITED Patents By Year of Grant:	869	869
SONY CORPORATION Patents By Year of Grant:	855	855
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. Patents By Year of Grant:	841	841
GENERAL ELECTRIC COMPANY Patents By Year of Grant:	819	819
EASTMAN KODAK COMPANY Patents By Year of Grant:	768	768
XEROX CORPORATION Patents By Year of Grant:	703	703
TEXAS INSTRUMENTS, INCORPORATED Patents By Year of Grant:	600	600
MINNESOTA MINING AND MANUFACTURING COMPANY Patents By Year of Grant:	537	537
AT&T CORP. Patents By Year of Grant:	510	510
FUJI PHOTO FILM CO., LTD Patents By Year of Grant:	510	510
HEWLETT-PACKARD COMPANY Patents By Year of Grant:	501	501
SAMSUNG ELECTRONICS CO., LTD. Patents By Year of Grant:	482	482

----- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ----- Ranked List of Organizations with 30 or More Patents -----

	1996	TOTAL
U.S. PHILIPS CORPORATION		
Patents By Year of Grant:	477	477
INTEL CORPORATION		
Patents By Year of Grant:	423	423
NIKON CORPORATION		
Patents By Year of Grant:	423	423
SIEMENS AKTIENGESELLSCHAFT		
Patents By Year of Grant:	418	418
E. I. DU PONT DE NEMOURS AND COMPANY		
Patents By Year of Grant:	395	395
FORD MOTOR COMPANY		
Patents By Year of Grant:	381	381
SHARP KABUSHKI KAISHA		
Patents By Year of Grant:	352	352
HOECHST AKTIENGESELLSCHAFT		
Patents By Year of Grant:	351	351
PROCTER + GAMBLE COMPANY		
Patents By Year of Grant:	346	346
BAYER AKTIENGESELLSCHAFT		
Patents By Year of Grant:	323	323
BASF AKTIENGESELLSCHAFT		
Patents By Year of Grant:	317	317
NIPPONDENSO CO., LTD.		
Patents By Year of Grant:	311	311
ROBERT BOSCH GMBH		
Patents By Year of Grant:	306	306
GENERAL MOTORS CORPORATION		
Patents By Year of Grant:	297	297
RICOH COMPANY, LTD.		
Patents By Year of Grant:	295	295
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)		
Patents By Year of Grant:	293	293
LUCENT TECHNOLOGIES INC.		
Patents By Year of Grant:	289	289
UNITED STATES OF AMERICA, NAVY		
Patents By Year of Grant:	285	285
HUGHES AIRCRAFT COMPANY		
Patents By Year of Grant:	272	272

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

---- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
CIBA-GEIGY CORPORATION		
Patents By Year of Grant:	271	271
UNIVERSITY OF CALIFORNIA, THE REGENTS OF		
Patents By Year of Grant:	266	266
ELI LILLY AND COMPANY		
Patents By Year of Grant:	245	245
OLYMPUS OPTICAL CO., LTD.		
Patents By Year of Grant:	223	223
WHITAKER CORPORATION		
Patents By Year of Grant:	211	211
SUMITOMO ELECTRIC INDUSTRIES CO., LTD.		
Patents By Year of Grant:	209	209
CATERPILLAR INC.		
Patents By Year of Grant:	206	206
NATIONAL SEMICONDUCTOR CORPORATION		
Patents By Year of Grant:	201	201
DOW CHEMICAL COMPANY		
Patents By Year of Grant:	196	196
ALLIED-SIGNAL INC.		
Patents By Year of Grant:	189	189
ABBOTT LABORATORIES		
Patents By Year of Grant:	182	182
EATON CORPORATION		
Patents By Year of Grant:	182	182
ADVANCED MICRO DEVICES, INC.		
Patents By Year of Grant:	179	179
SEIKO EPSON CORPORATION		
Patents By Year of Grant:	179	179
FUJI XEROX CO., LTD.		
Patents By Year of Grant:	172	172
YAZAKI CORP.		
Patents By Year of Grant:	171	171
UNITED MICROELECTRONICS CORPORATION		
Patents By Year of Grant:	170	170
APPLE COMPUTER, INC.		
Patents By Year of Grant:	169	169
GOLD STAR COMPANY, LTD.		
Patents By Year of Grant:	169	169

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

----- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ----- Ranked List of Organizations with 30 or More Patents -----

	1996	TOTAL
ASAHI KOGAKU KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	168	168
MOBIL OIL CORP. Patents By Year of Grant:	167	167
DIGITAL EQUIPMENT CORPORATION Patents By Year of Grant:	164	164
MINOLTA CAMERA CO., LTD. Patents By Year of Grant:	164	164
UNITED TECHNOLOGIES CORPORATION Patents By Year of Grant:	159	159
TOYOTA JIDOSHA K.K. Patents By Year of Grant:	158	158
KONICA CORPORATION Patents By Year of Grant:	155	155
CHRYSLER MOTORS CORPORATION Patents By Year of Grant:	152	152
MURATA MANUFACTURING CO., LTD. Patents By Year of Grant:	151	151
TELEFONAKTIEBOLAGET LM ERICSSON Patents By Year of Grant:	151	151
YAMAHA CORPORATION Patents By Year of Grant:	149	149
KIMBERLY-CLARK CORPORATION Patents By Year of Grant:	141	141
UNITED STATES SURGICAL CORPORATION Patents By Year of Grant:	139	139
SUMITOMO CHEMICAL COMPANY, LIMITED Patents By Year of Grant:	138	138
UNITED STATES OF AMERICA, ARMY Patents By Year of Grant:	137	137
BROTHER KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	133	133
UNISYS CORPORATION Patents By Year of Grant:	133	133
HYUNDAI ELECTRONICS INDUSTRIES CO., LTD. Patents By Year of Grant:	132	132
SHIN ETSU CHEMICAL CO., LTD. Patents By Year of Grant:	132	132

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

---- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
SUMITOMO WIRING SYSTEMS, LTD. Patents By Year of Grant:	132	132
WESTINGHOUSE ELECTRIC CORP. Patents By Year of Grant:	132	132
SANYO ELECTRIC CO., LTD. Patents By Year of Grant:	130	130
DAEWOO ELECTRONICS COMPANY, LTD. Patents By Year of Grant:	129	129
MERCEDES-BENZ AG Patents By Year of Grant:	129	129
LSI LOGIC CORPORATION Patents By Year of Grant:	127	127
HONEYWELL INC. Patents By Year of Grant:	126	126
L'OREAL S.A. Patents By Year of Grant:	126	126
MERCK + CO., INC. Patents By Year of Grant:	126	126
MICRON TECHNOLOGY, INC. Patents By Year of Grant:	125	125
SHELL OIL COMPANY Patents By Year of Grant:	125	125
FUJI ELECTRIC CO., LTD. Patents By Year of Grant:	123	123
MASSACHUSETTS INSTITUTE OF TECHNOLOGY Patents By Year of Grant:	119	119
MORTON INTERNATIONAL, INC. Patents By Year of Grant:	119	119
ROCKWELL INTERNATIONAL CORPORATION Patents By Year of Grant:	119	119
UNITED STATES OF AMERICA, HEALTH & HUMAN SERVICES Patents By Year of Grant:	117	117
SGS-THOMSON MICROELECTRONICS, INC. Patents By Year of Grant:	113	113
SUN MICROSYSTEMS, INC. Patents By Year of Grant:	113	113
INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN Patents By Year of Grant:	110	110

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

---- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN(HENKEL KGAA)		
Patents By Year of Grant:	108	108
ZENECA LIMITED		
Patents By Year of Grant:	108	108
DOW CORNING CORPORATION		
Patents By Year of Grant:	107	107
AMERICAN CYANAMID COMPANY		
Patents By Year of Grant:	106	106
HOFFMANN-LA ROCHE INC.		
Patents By Year of Grant:	106	106
NORTHROP GRUMMAN CORPORATION		
Patents By Year of Grant:	106	106
AGFA-GEVAERT N.V.		
Patents By Year of Grant:	104	104
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION		
Patents By Year of Grant:	104	104
EXXON CHEMICALS PATENTS INC.		
Patents By Year of Grant:	103	103
NORTHERN TELECOM LIMITED		
Patents By Year of Grant:	103	103
SGS-THOMSON MICROELECTRONICS S.R.L.		
Patents By Year of Grant:	103	103
BRISTOL-MYERS SQUIBB COMPANY		
Patents By Year of Grant:	102	102
NISSAN MOTOR COMPANY, LIMITED		
Patents By Year of Grant:	102	102
ROHM COMPANY LIMITED		
Patents By Year of Grant:	102	102
MITSUBISHI CHEMICAL CORPORATION		
Patents By Year of Grant:	101	101
PIONEER ELECTRONIC CORPORATION		
Patents By Year of Grant:	101	101
VLSI TECHNOLOGY, INC.		
Patents By Year of Grant:	100	100
BASF CORP.		
Patents By Year of Grant:	99	99
BECTON, DICKINSON AND COMPANY		
Patents By Year of Grant:	99	99

----- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ----- Ranked List of Organizations with 30 or More Patents -----

	1996	TOTAL
COMPAQ COMPUTER CORPORATION Patents By Year of Grant:	99	99
TAKEDA CHEMICAL INDUSTRIES LTD. Patents By Year of Grant:	99	99
UNITED STATES OF AMERICA, AIR FORCE Patents By Year of Grant:	99	99
TRW INC. Patents By Year of Grant:	98	98
APPLIED MATERIALS, INC. Patents By Year of Grant:	97	97
BOEING COMPANY Patents By Year of Grant:	97	97
MICROSOFT CORPORATION Patents By Year of Grant:	97	97
ROHM AND HAAS COMPANY Patents By Year of Grant:	97	97
UOP Patents By Year of Grant:	97	97
AMERICAN HOME PRODUCTS CORPORATION Patents By Year of Grant:	96	96
CASIO COMPUTER CO. LTD. Patents By Year of Grant:	94	94
HALLIBURTON CO. Patents By Year of Grant:	94	94
AISIN SEIKI KABUSHIKI KAISHA Patents By Year of Grant:	91	91
HARRIS CORP. Patents By Year of Grant:	91	91
PHILLIPS PETROLEUM COMPANY Patents By Year of Grant:	91	91
SEMICONDUCTOR ENERGY LABORATORY CO., LTD. Patents By Year of Grant:	90	90
TOKYO ELECTRON LIMITED Patents By Year of Grant:	90	90
BAYER CORPORATION Patents By Year of Grant:	89	89
DELCO ELECTRONICS CORPORATION Patents By Year of Grant:	89	89

----- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ----- Ranked List of Organizations with 30 or More Patents -----

	1996	TOTAL
DELL USA, L.P. Patents By Year of Grant:	88	88
HEIDELBERGER DRUCKMASCHINEN AG Patents By Year of Grant:	88	88
UNIVERSITY OF TEXAS Patents By Year of Grant:	87	87
MITA INDUSTRIAL COMPANY LTD. Patents By Year of Grant:	86	86
ALCATEL N. V. Patents By Year of Grant:	85	85
CORNING INCORPORATED Patents By Year of Grant:	85	85
TRW VEHICLE SAFETY SYSTEMS, INC. Patents By Year of Grant:	85	85
W. R. GRACE & CO.-CONN. Patents By Year of Grant:	85	85
SANDOZ LTD. Patents By Year of Grant:	84	84
PFIZER INC. Patents By Year of Grant:	83	83
HENKEL CORPORATION Patents By Year of Grant:	82	82
MONSANTO CO. Patents By Year of Grant:	82	82
TDK CORPORATION Patents By Year of Grant:	81	81
MITSUI TOATSU CHEMICALS INC. Patents By Year of Grant:	79	79
AIR PRODUCTS AND CHEMICALS, INC. Patents By Year of Grant:	78	78
NSK LTD. Patents By Year of Grant:	78	78
OKI ELECTRIC INDUSTRY CO., LTD. Patents By Year of Grant:	78	78
KABUSHIKI KAISHA KOMATSU SEISAKUSHO Patents By Year of Grant:	77	77
MEDTRONIC INC. Patents By Year of Grant:	77	77

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

---- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
PHILIPS ELECTRONICS NORTH AMERICA CORP. Patents By Year of Grant:	74	74
SANSHIN KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	74	74
TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. Patents By Year of Grant:	74	74
ANALOG DEVICES, INC. Patents By Year of Grant:	73	73
BRIDGESTONE CORPORATION Patents By Year of Grant:	73	73
FANUC LTD. Patents By Year of Grant:	73	73
EXXON RESEARCH + ENGINEERING CO. Patents By Year of Grant:	72	72
HOECHST CELANESE CORPORATION Patents By Year of Grant:	72	72
ILLINOIS TOOL WORKS INC. Patents By Year of Grant:	72	72
NIPPON STEEL CORP. Patents By Year of Grant:	72	72
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD. Patents By Year of Grant:	72	72
BABCOCK & WILCOX COMPANY Patents By Year of Grant:	71	71
COLGATE-PALMOLIVE COMPANY Patents By Year of Grant:	71	71
THOMSON CONSUMER ELECTRONICS, INC. Patents By Year of Grant:	71	71
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY Patents By Year of Grant:	71	71
BAXTER INTERNATIONAL INC. Patents By Year of Grant:	70	70
FMC CORPORATION Patents By Year of Grant:	70	70
GOODYEAR TIRE + RUBBER COMPANY Patents By Year of Grant:	70	70
KAO CORPORATION Patents By Year of Grant:	70	70

----- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ----- Ranked List of Organizations with 30 or More Patents -----

	1996	TOTAL
PITNEY-BOWES, INC. Patents By Year of Grant:	70	70
BAKER HUGHES INCORPORATED Patents By Year of Grant:	69	69
COMMISSARIAT A L'ENERGIE ATOMIQUE Patents By Year of Grant:	69	69
INSTITUT FRANCAIS DU PETROLE Patents By Year of Grant:	69	69
MARTIN-MARIETTA CORPORATION Patents By Year of Grant:	69	69
AMOCO CORPORATION Patents By Year of Grant:	67	67
EASTMAN CHEMICAL COMPANY Patents By Year of Grant:	67	67
NGK INSULATORS LTD. Patents By Year of Grant:	67	67
AT&T GLOBAL INFORMATION SOLUTIONS COMPANY (FKA NCR CORPORATION) Patents By Year of Grant:	66	66
BRITISH TECHNOLOGY GROUP LIMITED Patents By Year of Grant:	66	66
IMPERIAL CHEMICAL INDUSTRIES PLC Patents By Year of Grant:	66	66
LITTON SYSTEMS INC. Patents By Year of Grant:	66	66
SUMITOMO RUBBER INDUSTRIES, LTD. Patents By Year of Grant:	66	66
WARNER-LAMBERT COMPANY Patents By Year of Grant:	66	66
TEXACO INC. Patents By Year of Grant:	65	65
ALLERGAN, INC. Patents By Year of Grant:	64	64
CIRRUS LOGIC, INC. Patents By Year of Grant:	64	64
DEERE + COMPANY Patents By Year of Grant:	64	64
G. D. SEARLE & CO. Patents By Year of Grant:	64	64

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

----- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ----- Ranked List of Organizations with 30 or More Patents -----

	1996	TOTAL
SEAGATE TECHNOLOGY Patents By Year of Grant:	64	64
WISCONSIN ALUMNI RESEARCH FOUNDATION Patents By Year of Grant:	64	64
ITT CORPORATION Patents By Year of Grant:	62	62
KAWASAKI STEEL CORPORATION Patents By Year of Grant:	62	62
mitsubishi JUKOGYO KABUSHIKI KAISHA Patents By Year of Grant:	61	61
MOLEX INCORPORATED Patents By Year of Grant:	61	61
NIPPON TELEGRAPH & TELEPHONE CORP. Patents By Year of Grant:	61	61
NOVO NORDISK A/S Patents By Year of Grant:	61	61
TEKTRONIX INC. Patents By Year of Grant:	61	61
VICTOR COMPANY OF JAPAN, LIMITED Patents By Year of Grant:	61	61
W. L. GORE ASSOCIATES, INC. Patents By Year of Grant:	61	61
ABB MANAGEMENT AG Patents By Year of Grant:	59	59
AKZO NOBEL NV Patents By Year of Grant:	59	59
DAI NIPPON PRINTING CO. LTD Patents By Year of Grant:	59	59
DANA CORPORATION Patents By Year of Grant:	59	59
MAZDA MOTOR CORPORATION Patents By Year of Grant:	59	59
POLAROID CORPORATION Patents By Year of Grant:	59	59
LEVER BROS. CO., DIVISION OF CONOPCO, INC. Patents By Year of Grant:	58	58
SGS-THOMSON MICROELECTRONICS S.A. Patents By Year of Grant:	58	58

----- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ----- Ranked List of Organizations with 30 or More Patents -----

	1996	TOTAL
ARCO CHEMICAL TECHNOLOGY, L.P. Patents By Year of Grant:	56	56
OLIN CORPORATION Patents By Year of Grant:	56	56
SCHLUMBERGER TECHNOLOGY CORPORATION Patents By Year of Grant:	56	56
UNISIA JECS CORPORATION Patents By Year of Grant:	56	56
XILINX, INC. Patents By Year of Grant:	56	56
AGENCY OF INDUSTRIAL SCIENCE & TECHNOLOGY Patents By Year of Grant:	55	55
FICHTEL + SACHS AG Patents By Year of Grant:	55	55
STANFORD UNIVERSITY, LELAND JUNIOR, THE BOARD OF TRUSTEES OF Patents By Year of Grant:	55	55
MANNESMANN AG Patents By Year of Grant:	54	54
MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG Patents By Year of Grant:	54	54
OTIS ELEVATOR COMPANY Patents By Year of Grant:	54	54
SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE Patents By Year of Grant:	54	54
ALUMINUM COMPANY OF AMERICA Patents By Year of Grant:	53	53
BOEHRINGER MANNHEIM G.M.B.H. Patents By Year of Grant:	53	53
CORNELL RESEARCH FOUNDATION INC. Patents By Year of Grant:	52	52
HAMAMATSU PHOTONICS KABUSHIKI KAISHA Patents By Year of Grant:	52	52
L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE Patents By Year of Grant:	52	52
PIONEER HI-BRED INTERNATIONAL, INC. Patents By Year of Grant:	52	52
SEIKO INSTRUMENTS INC. Patents By Year of Grant:	52	52

---- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
THOMSON-CSF		
Patents By Year of Grant:	52	52
INGERSOLL-RAND COMPANY		
Patents By Year of Grant:	51	51
PPG INDUSTRIES INC.		
Patents By Year of Grant:	51	51
TOYODA JIDOSHOKKI SEISAKUSHO KABUSHIKI KAISHA		
Patents By Year of Grant:	51	51
BELL COMMUNICATIONS RESEARCH, INC.		
Patents By Year of Grant:	50	50
BETZ LABORATORIES INC.		
Patents By Year of Grant:	50	50
CARRIER CORPORATION		
Patents By Year of Grant:	50	50
DEGUSSA AKTIENGESELLSCHAFT		
Patents By Year of Grant:	50	50
HOECHST-ROUSSEL PHARMACEUTICALS, INC.		
Patents By Year of Grant:	50	50
HYUNDAI MOTOR CO., LTD.		
Patents By Year of Grant:	50	50
LUCAS INDUSTRIES PUBLIC LTD. COMPANY		
Patents By Year of Grant:	50	50
NESTEC, S.A.		
Patents By Year of Grant:	50	50
SOCIETE NATIONALE D'ETUDE ET DE CONSTRUCTION DE MOTEURS D'AVIATION "S.N.E.C.M.A."		
Patents By Year of Grant:	50	50
TETRA LAVAL HOLDINGS & FINANCE S.A.		
Patents By Year of Grant:	50	50
WESTINGHOUSE AIR BRAKE COMPANY		
Patents By Year of Grant:	50	50
BRITISH TELECOMMUNICATION, PLC		
Patents By Year of Grant:	49	49
QUANTUM CORP. (LA)		
Patents By Year of Grant:	49	49
MERRELL PHARMACEUTICALS INC.		
Patents By Year of Grant:	48	48
QUALCOMM, INC.		
Patents By Year of Grant:	48	48

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

---- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
WESTERN ATLAS INTERNATIONAL, INC. Patents By Year of Grant:	48	48
ASAHI GLASS COMPANY, LTD. Patents By Year of Grant:	47	47
EMERSON ELECTRIC CO. Patents By Year of Grant:	47	47
FRANCE TELECOM Patents By Year of Grant:	47	47
M.A.N. ROLAND DRUCKMASCHINEN AG Patents By Year of Grant:	47	47
MARTIN MARIETTA ENERGY SYSTEMS, INC. Patents By Year of Grant:	47	47
SCI-MED LIFE SYSTEMS, INC. Patents By Year of Grant:	47	47
KOBE STEEL LTD. Patents By Year of Grant:	46	46
BOC GROUP, INC. Patents By Year of Grant:	45	45
NIPPON PAINT CO., LTD. Patents By Year of Grant:	45	45
SUNDSTRAND CORPORATION Patents By Year of Grant:	45	45
SYMBOL TECHNOLOGIES Patents By Year of Grant:	45	45
UNIVERSITY OF PENNSYLVANIA Patents By Year of Grant:	45	45
ETHICON, INC. Patents By Year of Grant:	44	44
FUJI PHOTO OPTICAL CO. LTD. Patents By Year of Grant:	44	44
FURUKAWA ELECTRIC CO., LTD. Patents By Year of Grant:	44	44
GAS RESEARCH INSTITUTE Patents By Year of Grant:	44	44
GENENTECH, INC. Patents By Year of Grant:	44	44
HITACHI METALS LTD. Patents By Year of Grant:	44	44

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

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(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
KOITO MANUFACTURING COMPANY LIMITED Patents By Year of Grant:	44	44
KUREHA CHEMICAL INDUSTRY CO., LTD. Patents By Year of Grant:	44	44
MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	44	44
MCDONNELL DOUGLAS CORP. Patents By Year of Grant:	43	43
NATIONAL SCIENCE COUNCIL Patents By Year of Grant:	43	43
RHONE-POULENC CHIMIE DE BASE Patents By Year of Grant:	43	43
TALIGENT, INC. Patents By Year of Grant:	43	43
AJINOMOTO COMPANY INCORPORATED Patents By Year of Grant:	42	42
ALCON LABORATORIES, INC. Patents By Year of Grant:	42	42
ALLEN-BRADLEY COMPANY Patents By Year of Grant:	42	42
J. M. VOITH GMBH Patents By Year of Grant:	42	42
MATSUSHITA ELECTRIC WORKS, LTD. Patents By Year of Grant:	42	42
MITSUBISHI MATERIALS CORPORATION Patents By Year of Grant:	42	42
NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING CORPORATION Patents By Year of Grant:	42	42
OSRAM SYLVANIA INC. Patents By Year of Grant:	42	42
PACESETTER, INC. Patents By Year of Grant:	42	42
RISO KAGAKU CORPORATION Patents By Year of Grant:	42	42
RIVERWOOD INTERNATIONAL CORPORATION Patents By Year of Grant:	42	42
SANDVIK AKTIEBOLAG Patents By Year of Grant:	42	42

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(Granted: Jan 01, 1996 - Dec 31, 1996) ----- Ranked List of Organizations with 30 or More Patents -----

	1996	TOTAL
GENERAL HOSPITAL CORPORATION Patents By Year of Grant:	41	41
HERCULES INCORPORATED Patents By Year of Grant:	41	41
HUGHES ELECTRONIC DEVICES CORPORATION Patents By Year of Grant:	41	41
MITSUI PETROCHEMICAL INDUSTRIES LTD. Patents By Year of Grant:	41	41
MOORE BUSINESS FORMS INC. Patents By Year of Grant:	41	41
NKK CORPORATION Patents By Year of Grant:	41	41
OMRON CORPORATION Patents By Year of Grant:	41	41
PORSCHE AG Patents By Year of Grant:	41	41
UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE Patents By Year of Grant:	41	41
WHIRLPOOL CORPORATION Patents By Year of Grant:	41	41
AVERY DENNISON CORPORATION Patents By Year of Grant:	40	40
CHESEBROUGH-POND'S USA CO., DIVISION OF CONOPCO, INC. Patents By Year of Grant:	40	40
DAIWA SEIKO INC Patents By Year of Grant:	40	40
GOLD STAR ELECTRON CO., LTD. Patents By Year of Grant:	40	40
MITSUBISHI GAS-CHEMICAL COMPANY, INC. Patents By Year of Grant:	40	40
NOKIA TELECOMMUNICATIONS OY Patents By Year of Grant:	40	40
SIEMENS MEDICAL SYSTEMS, INC. Patents By Year of Grant:	40	40
STERLING WINTHROP INC. Patents By Year of Grant:	40	40
ALPS ELECTRIC CO., LTD. Patents By Year of Grant:	39	39

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

---- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
ALTERA CORPORATION		
Patents By Year of Grant:	39	39
DOW CORNING TORAY SILICONE COMPANY LIMITED		
Patents By Year of Grant:	39	39
NCR CORPORATION		
Patents By Year of Grant:	39	39
STORAGE TECHNOLOGY CORPORATION		
Patents By Year of Grant:	39	39
TOYODA GOSEI KABUSHIKI KAISHA		
Patents By Year of Grant:	39	39
UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION		
Patents By Year of Grant:	39	39
ZEXEL CORPORATION		
Patents By Year of Grant:	39	39
ELF ATOCHEM S.A.		
Patents By Year of Grant:	38	38
IOWA STATE UNIVERSITY RESEARCH FOUNDATION INC.		
Patents By Year of Grant:	38	38
KELSEY-HAYES CO.		
Patents By Year of Grant:	38	38
TEIJIN LIMITED		
Patents By Year of Grant:	38	38
ATLANTIC RICHFIELD COMPANY		
Patents By Year of Grant:	37	37
BELOIT TECHNOLOGIES, INC.		
Patents By Year of Grant:	37	37
CARL FREUDENBERG		
Patents By Year of Grant:	37	37
COOPER INDUSTRIES INC.		
Patents By Year of Grant:	37	37
DUKE UNIVERSITY INC.		
Patents By Year of Grant:	37	37
INTERNATIONAL PAPER CO.		
Patents By Year of Grant:	37	37
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK		
Patents By Year of Grant:	37	37
TERUMO KABUSHIKI KAISHA (TERUMO CORPORATION)		
Patents By Year of Grant:	37	37

---- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
TORAY INDUSTRIES INC. Patents By Year of Grant:	37	37
BLACK & DECKER INC. Patents By Year of Grant:	36	36
CHURCH + DWIGHT CO., INC. Patents By Year of Grant:	36	36
DAICEL CHEMICAL INDUSTRIES LTD. Patents By Year of Grant:	36	36
HUELS AKTIENGESELLSCHAFT Patents By Year of Grant:	36	36
ITT AUTOMOTIVE EUROPE GMBH Patents By Year of Grant:	36	36
PRAXAIR TECHNOLOGY, INC. Patents By Year of Grant:	36	36
SHIN-ETSU HANDOTAI CO., LTD. Patents By Year of Grant:	36	36
VALMET CORP. Patents By Year of Grant:	36	36
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANTEN FORSCHUNG E.V. Patents By Year of Grant:	35	35
JOHNSON & JOHNSON CLINICAL DIAGNOSTICS, INC. Patents By Year of Grant:	35	35
LUBRIZOL CORPORATION Patents By Year of Grant:	35	35
NEW HOLLAND NORTH AMERICA, INC. Patents By Year of Grant:	35	35
NIPPON OIL COMPANY LTD. Patents By Year of Grant:	35	35
NOKIA MOBILE PHONES LTD. Patents By Year of Grant:	35	35
OWENS-CORNING FIBERGLAS TECHNOLOGY, INC. Patents By Year of Grant:	35	35
ROLLS-ROYCE PLC Patents By Year of Grant:	35	35
SQUARE D COMPANY Patents By Year of Grant:	35	35
CORDIS CORPORATION Patents By Year of Grant:	34	34

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

---- Organizational Patenting

(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
DAVIDSON TEXTRON INC. Patents By Year of Grant:	34	34
EMHART INC. Patents By Year of Grant:	34	34
FUJI JUKOGYO KABUSHIKI KAISHA Patents By Year of Grant:	34	34
NORAND CORPORATION Patents By Year of Grant:	34	34
ROUSSEL-UCLAF Patents By Year of Grant:	34	34
SAINT GOBAIN/NORTON INDUSTRIAL CERAMICS CORP. Patents By Year of Grant:	34	34
SILICON GRAPHICS, INC. Patents By Year of Grant:	34	34
SMITH & NEPHEW RICHARDS INC. Patents By Year of Grant:	34	34
TRIMBLE NAVIGATION, LTD. Patents By Year of Grant:	34	34
ADIR ET COMPAGNIE Patents By Year of Grant:	33	33
B. F. GOODRICH CO. Patents By Year of Grant:	33	33
COLUMBIA UNIVERSITY Patents By Year of Grant:	33	33
MORTON THIOKOL, INC. Patents By Year of Grant:	33	33
NORDSON CORPORATION Patents By Year of Grant:	33	33
PALL CORPORATION Patents By Year of Grant:	33	33
UPJOHN COMPANY Patents By Year of Grant:	33	33
HARVARD COLLEGE, PRESIDENT AND FELLOWS Patents By Year of Grant:	32	32
KYOWA HAKKO KOGYO CO., LTD Patents By Year of Grant:	32	32
LG SEMICON CO., LTD. Patents By Year of Grant:	32	32

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(Granted: Jan 01, 1996 - Dec 31, 1996) ----- Ranked List of Organizations with 30 or More Patents -----

	1996	TOTAL
MICHIGAN STATE UNIVERSITY Patents By Year of Grant:	32	32
NGK SPARK PLUG CO., LTD. Patents By Year of Grant:	32	32
RAYCHEM CORPORATION Patents By Year of Grant:	32	32
SAMSUNG DISPLAY DEVICES CO., LTD. Patents By Year of Grant:	32	32
ZENITH ELECTRONICS CORPORATION Patents By Year of Grant:	32	32
DAIKIN INDUSTRIES LIMITED Patents By Year of Grant:	31	31
ELECTRONICS AND TELECOMMUNICATION RESEARCH INSTITUTE Patents By Year of Grant:	31	31
ERICSSON GE MOBILE COMMUNICATIONS HOLDING INC. Patents By Year of Grant:	31	31
FUJISAWA PHARMACEUTICAL CO., LTD. Patents By Year of Grant:	31	31
IDEMITSU KOSAN COMPANY LIMITED Patents By Year of Grant:	31	31
PRINCE CORPORATION Patents By Year of Grant:	31	31
SCHERING AKTIENGESELLSCHAFT Patents By Year of Grant:	31	31
SHIMADZU CORPORATION Patents By Year of Grant:	31	31
SOUTHPAC TRUST INTERNATIONAL, INC. Patents By Year of Grant:	31	31
TORRINGTON COMPANY Patents By Year of Grant:	31	31
UNIVERSITY OF MINNESOTA, THE REGENTS OF Patents By Year of Grant:	31	31
ADVANCED CARDIOVASCULAR SYSTEMS, INC. Patents By Year of Grant:	30	30
BEHRINGWERKE AKTIENGESELLSCHAFT Patents By Year of Grant:	30	30
EISAI CO., LTD. Patents By Year of Grant:	30	30

PATENTING BY ORGANIZATIONS REPORT (CY 1996)

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(Granted: Jan 01, 1996 - Dec 31, 1996) ---- Ranked List of Organizations with 30 or More Patents ----

	1996	TOTAL
JANSSEN PHARMACEUTICA N.V. Patents By Year of Grant:	30	30
KRAFT FOODS, INC. Patents By Year of Grant:	30	30
NALCO CHEMICAL COMPANY Patents By Year of Grant:	30	30
PANASONIC TECHNOLOGIES, INC. Patents By Year of Grant:	30	30
SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM AND NORTHERN IRELAND Patents By Year of Grant:	30	30
ZIMMER, INC. Patents By Year of Grant:	30	30
Other Organizations (18769) Patents By Year of Grant:	43250	43250