

STATUTORY INVENTION REGISTRATIONS  
AND  
DEFENSIVE PUBLICATIONS

JANUARY 1977 -- DECEMBER 2003



March 2004  
U.S. PATENT AND TRADEMARK OFFICE  
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*A PATENT TECHNOLOGY MONITORING DIVISION REPORT*

# Statutory Invention Registrations and Defensive Publications Report

## 1/1977 - 12/2003

### Explanation of Data

This Patent Technology Monitoring Division (PTMD) Program Report profiles patent activity for statutory invention registrations and defensive publications (hereafter referred to as patents) granted between **1977** and **December 2003**. The source of the data used for this report is the PTMD data base maintained by the Office for Patent and Trademark Information.

#### Data Distribution By Date of Grant and By Date of Application

##### **Parts A1 and A2**

Part A1 distributes patent GRANT data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 distributes grant data by the year in which the patented application was filed ("Patents Granted By Date of Patent Application"). Parts A1 and A2 each provide patent counts (pages A1-1 and A2-1) and percent distributions (pages A1-2 and A2-2).

Patent data in the "**Pre 1990**" column corresponds to the period **January 1, 1977** through **December 31, 1989**.

##### **Part B**

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since **1977**. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (ROUGHLY 25% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a patent and the issuing of the patent (i.e., a patent's "pendency") is now about 24 months, the patented application data for the most recent years are incomplete.\* This is because a significant number of the applications filed in the most recent years, which will ultimately become patents, were still pending in **December 2003**. Since they had not yet become patents at the time this report was prepared, they were not included in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity, since such fluctuations would for the most part be immune from changes in PTO processing such as occurred in 1986 when the PTO issued fewer patents than would normally have been expected due to a lack of funds to print patents. Note that a patent's "pendency" can be quite variable from one patent to another thereby

affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc.

#### Parts of the Report

**Parts A1 and A2** present tables which show, by number and percent, the patent activity. Part A1 presents data by year of patent grant ("Patents Granted by Date of Patent Grant"). Part A2 redistributes grant data by year of patent application ("Patents Granted by Date of Patent Application"). The location of patent origin is determined by the residence of the first-named inventor at the time of grant.

Information on **patent ownership** reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. 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 this category. While U.S. Government patent ownership includes only patents granted to the Federal Government, no such distinction is made for Foreign Government patents.

**Part B** is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received one or more U.S. statutory invention registrations and/or defensive publications since **1977**. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented application was filed. Information on patent ownership reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

\* As of **December 31, 2003**, UTILITY patent application data (most issued patent documents are utility patents) were approximately 92% complete for patent applications filed in 1999 and 76% complete for applications filed in 2000 and 50% complete for 2001 filings. They are essentially complete for applications filed prior to 1999. Currently, completion percentages restricted to statutory invention registrations and defensive publications are not available.

## Part A1

Patent Grants As Distributed By Year of Patent Grant

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2003) ----

	NUMBER OF PATENTS															
	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total
Total	1219	143	144	117	144	117	121	109	78	62	60	104	76	49	36	2579
U.S. Origin	1092	123	128	98	131	105	111	94	65	56	56	96	72	49	35	2311
Foreign Origin	127	20	16	19	13	12	10	15	13	6	4	8	4		1	268
JAPAN	43	16	14	13	12	9	7	12	7	3	2	2				140
UNITED KINGDOM	51	3	1			1						3	1			60
CANADA	8	1		1	1	1	1		1	1		2				17
GERMANY	8			2					1				1			12
NETHERLANDS	6			1				1	1							9
FRANCE	2			2		1	1			1						7
SWITZERLAND	3						1	1								5
AUSTRALIA	2												1			3
INDIA	1		1					1								3
ITALY	2									1						3
BELGIUM									2		1					3
SOUTH AFRICA											1	1			1	3
SWEDEN	1															1
INDONESIA									1							1
TAIWAN													1			1
Ownership:																
U.S. Corporations	275	21	24	25	36	34	35	40	29	26	28	65	44	27	25	734
U.S. Government	525	80	87	61	64	49	51	37	22	10	14	25	24	19	7	1075
U.S. Individuals	311	24	19	13	31	24	25	19	18	19	13	10	4	3	2	535
Foreign Corporations	63	12	10	11	8	9	5	7	3	6	3	3	3		2	145
Foreign Government																0
Foreign Individuals	45	6	4	7	5	1	5	6	6	1	2	1	1			90

----- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2003) -----																
----- PERCENT OF PATENTS -----																
	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	90	86	89	84	91	90	92	86	83	90	93	92	95	100	97	90
Foreign Origin	10	14	11	16	9	10	8	14	17	10	7	8	5		3	10
JAPAN	4	11	10	11	8	8	6	11	9	5	3	2				5
UNITED KINGDOM	4	2	1			1						3	1			2
CANADA	1	1		1	1	1	1		1	2		2				1
GERMANY	1			2					1				1			0
NETHERLANDS				1				1	1							0
FRANCE				2		1	1			2						0
SWITZERLAND							1	1								0
AUSTRALIA													1			0
INDIA			1					1								0
ITALY										2						0
BELGIUM									3		2					0
SOUTH AFRICA											2	1			3	0
SWEDEN																0
INDONESIA									1							0
TAIWAN													1			0
Ownership:																
U.S. Corporations	23	15	17	21	25	29	29	37	37	42	47	63	58	55	69	28
U.S. Government	43	56	60	52	44	42	42	34	28	16	23	24	32	39	19	42
U.S. Individuals	26	17	13	11	22	21	21	17	23	31	22	10	5	6	6	21
Foreign Corporations	5	8	7	9	6	8	4	6	4	10	5	3	4		6	6
Foreign Government																0
Foreign Individuals	4	4	3	6	3	1	4	6	8	2	3	1	1			3

## Part A2

Patent Grants As Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2003) ----

	NUMBER OF PATENTED APPLICATIONS															
	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total
Total	1516	164	130	140	120	79	89	71	88	109	41	20	10	2		2579
U.S. Origin	1348	141	123	128	105	67	79	64	79	106	40	20	9	2		2311
Foreign Origin	168	23	7	12	15	12	10	7	9	3	1		1			268
JAPAN	77	17	6	10	9	9	4	4	4							140
UNITED KINGDOM	55				2			1		2						60
CANADA	9	3			2			1	2							17
GERMANY	9		1				1		1							12
NETHERLANDS	7				1	1										9
FRANCE	2	2		2				1								7
SWITZERLAND	3					2										5
AUSTRALIA	2										1					3
INDIA	1	1			1											3
ITALY	2						1									3
BELGIUM							3									3
SOUTH AFRICA									1	1			1			3
SWEDEN	1															1
TAIWAN									1							1
INDONESIA							1									1
Ownership:																
U.S. Corporations	326	31	38	38	46	30	28	32	45	75	25	13	6	1		734
U.S. Government	692	87	54	64	46	23	26	23	19	20	12	7	2			1075
U.S. Individuals	353	25	32	26	16	16	26	9	18	10	2		1	1		535
Foreign Corporations	88	14	4	8	6	5	5	5	4	4	1		1			145
Foreign Government																0
Foreign Individuals	57	7	2	4	6	5	4	2	2		1					90

----- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2003) -----																
----- PERCENT OF PATENTED APPLICATIONS -----																
	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100		100
U.S. Origin	89	86	95	91	88	85	89	90	90	97	98	100	90	100		90
Foreign Origin	11	14	5	9	13	15	11	10	10	3	2		10			10
JAPAN	5	10	5	7	8	11	4	6	5							5
UNITED KINGDOM	4				2			1		2						2
CANADA	1	2			2			1	2							1
GERMANY	1		1				1		1							0
NETHERLANDS					1	1										0
FRANCE		1		1				1								0
SWITZERLAND						3										0
AUSTRALIA											2					0
INDIA		1			1											0
ITALY							1									0
BELGIUM							3									0
SOUTH AFRICA									1	1			10			0
SWEDEN																0
TAIWAN									1							0
INDONESIA							1									0
Ownership:																
U.S. Corporations	22	19	29	27	38	38	31	45	51	69	61	65	60	50		28
U.S. Government	46	53	42	46	38	29	29	32	22	18	29	35	20			42
U.S. Individuals	23	15	25	19	13	20	29	13	20	9	5		10	50		21
Foreign Corporations	6	9	3	6	5	6	6	7	5	4	2		10			6
Foreign Government																0
Foreign Individuals	4	4	2	3	5	6	4	3	2		2					3



## Part B

Ranked Listing of Organizations with Patent Grants

As Distributed By Year of Patent Grant

and As Distributed By Year of Patent Application

[illegible]

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
INTERNATIONAL BUSINESS MACHINES CORPORATION																
Patents By Year of Grant:	26	0	1	0	0	0	0	0	0	0	0	0	0	0	0	27
Patents By Year of Application:	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
IMPERIAL CHEMICAL INDUSTRIES PLC																
Patents By Year of Grant:	25	0	0	0	0	1	0	0	0	0	0	0	0	0	0	26
Patents By Year of Application:	25	0	0	1	0	0	0	0	0	0	0	0	0	0	0	26
KONICA CORPORATION																
Patents By Year of Grant:	3	0	2	4	7	2	2	5	0	0	0	0	0	0	0	25
Patents By Year of Application:	4	11	1	3	2	3	1	0	0	0	0	0	0	0	0	25
A. E. STALEY MANUFACTURING COMPANY																
Patents By Year of Grant:	12	2	3	2	1	1	2	1	0	0	0	0	0	0	0	24
Patents By Year of Application:	16	4	0	3	0	1	0	0	0	0	0	0	0	0	0	24
DSC/CELCORE, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	16	3	0	0	21
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	21
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	1	0	0	0	0	0	1	3	7	2	0	2	1	3	0	20
Patents By Year of Application:	1	0	0	0	3	4	6	0	5	1	0	0	0	0	0	20
EXXON PRODUCTION RESEARCH COMPANY																
Patents By Year of Grant:	1	1	0	0	3	5	2	4	1	1	1	0	0	0	0	19
Patents By Year of Application:	2	1	2	3	5	4	0	1	1	0	0	0	0	0	0	19
FMC CORPORATION																
Patents By Year of Grant:	6	1	1	0	1	0	0	0	0	2	1	2	3	1	0	18
Patents By Year of Application:	8	1	1	0	0	0	0	0	2	6	0	0	0	0	0	18
W. R. GRACE & CO.-CONN.																
Patents By Year of Grant:	10	2	0	2	1	0	0	0	0	0	0	0	0	0	0	15
Patents By Year of Application:	13	0	0	2	0	0	0	0	0	0	0	0	0	0	0	15
DOW CHEMICAL COMPANY																
Patents By Year of Grant:	2	0	0	1	1	0	4	1	1	0	1	1	1	0	0	13
Patents By Year of Application:	2	1	2	1	3	0	0	1	3	0	0	0	0	0	0	13
XEROX CORPORATION																
Patents By Year of Grant:	3	0	0	0	1	0	1	0	1	0	3	4	0	0	0	13
Patents By Year of Application:	3	0	2	0	0	0	1	1	4	1	1	0	0	0	0	13

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>HERCULES INCORPORATED</b>																
Patents By Year of Grant:	4	0	0	1	1	1	0	1	1	1	0	0	0	0	0	10
Patents By Year of Application:	4	1	1	1	0	1	2	0	0	0	0	0	0	0	0	10
<b>EASTMAN KODAK COMPANY</b>																
Patents By Year of Grant:	6	0	0	1	1	0	0	1	0	0	0	0	0	0	0	9
Patents By Year of Application:	6	1	1	1	0	0	0	0	0	0	0	0	0	0	0	9
<b>GENERAL ELECTRIC COMPANY</b>																
Patents By Year of Grant:	4	0	1	0	0	0	0	0	0	0	0	1	3	0	0	9
Patents By Year of Application:	5	0	0	0	0	0	1	0	1	1	1	0	0	0	0	9
<b>UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE</b>																
Patents By Year of Grant:	8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	9
Patents By Year of Application:	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
<b>CONCO INC.</b>																
Patents By Year of Grant:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Patents By Year of Application:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
<b>KIMBERLY-CLARK WORLDWIDE, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	4	1	2	8
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	2	5	0	0	0	0	8
<b>KIORITZ CORPORATION</b>																
Patents By Year of Grant:	5	1	1	0	0	0	1	0	0	0	0	0	0	0	0	8
Patents By Year of Application:	7	0	0	0	1	0	0	0	0	0	0	0	0	0	0	8
<b>MEDTRONIC INC.</b>																
Patents By Year of Grant:	4	0	0	1	0	1	1	0	0	0	0	1	0	0	0	8
Patents By Year of Application:	4	1	0	1	1	0	0	0	1	0	0	0	0	0	0	8
<b>BRISTOL-MYERS SQUIBB COMPANY</b>																
Patents By Year of Grant:	0	0	0	0	0	1	1	0	1	2	1	1	0	0	0	7
Patents By Year of Application:	0	0	0	1	1	0	0	3	2	0	0	0	0	0	0	7
<b>E. R. SQUIBB + SONS, INC.</b>																
Patents By Year of Grant:	2	2	0	0	1	1	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6
<b>EASTMAN CHEMICAL CO., LTD.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	0	1	2	0	2	6
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	0	2	0	1	1	0	6

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre															
	1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
ELI LILLY AND COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
Patents By Year of Application:	0	0	0	0	0	0	0	0	3	2	1	0	0	0	0	6
EXXON RESEARCH + ENGINEERING CO.																
Patents By Year of Grant:	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
ATLANTIC RICHFIELD COMPANY																
Patents By Year of Grant:	2	0	0	0	0	1	0	1	0	0	1	0	0	0	0	5
Patents By Year of Application:	2	0	0	1	0	0	2	0	0	0	0	0	0	0	0	5
EXXON CHEMICALS PATENTS INC.																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	1	2	0	1	5
Patents By Year of Application:	0	1	0	0	0	1	0	2	0	0	0	1	0	0	0	5
FIRESTONE TIRE & RUBBER CO.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
HENKEL CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	2	2	5
Patents By Year of Application:	0	0	0	0	0	1	0	0	0	0	1	3	0	0	0	5
WESTINGHOUSE ELECTRIC CORP.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
CETUS CORPORATION																
Patents By Year of Grant:	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
GOODYEAR TIRE + RUBBER COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	4
Patents By Year of Application:	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	4
MINNESOTA MINING AND MANUFACTURING COMPANY																
Patents By Year of Grant:	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	4
Patents By Year of Application:	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	4
MOTOROLA, INC.																
Patents By Year of Grant:	2	0	0	0	1	0	0	0	0	1	0	0	0	0	0	4
Patents By Year of Application:	2	0	1	0	0	0	0	1	0	0	0	0	0	0	0	4

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre															
	1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
OPUSWAVE NETWORKS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4
UNITED STATES OF AMERICA, HEALTH & HUMAN SERVICES																
Patents By Year of Grant:	0	1	2	0	0	0	0	0	0	0	0	0	0	1	0	4
Patents By Year of Application:	1	2	0	0	0	0	0	0	0	0	0	0	1	0	0	4
AMERICAN CYANAMID COMPANY																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
ASTENJOHNSON, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	3
BEXFORD LIMITED																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
CHRYSLER MOTORS CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3
Patents By Year of Application:	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	3
GILLETTE COMPANY																
Patents By Year of Grant:	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
ISHIHARA SANGYO KAISHA LTD.																
Patents By Year of Grant:	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
LUCENT TECHNOLOGIES INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	3
Patents By Year of Application:	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	3
MI DRILLING FLUIDS COMPANY																
Patents By Year of Grant:	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	3
Patents By Year of Application:	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3
MOBIL OIL CORP.																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
NAVISTAR INTERNATIONAL TRANSPORTATION CORP.																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
NIKON CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	3
Patents By Year of Application:	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	3
RHONE-POULENC INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Patents By Year of Application:	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
SMITH INTERNATIONAL INC.																
Patents By Year of Grant:	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
Patents By Year of Application:	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
SUN MICROSYSTEMS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	3
Patents By Year of Application:	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	3
ADVANCED NUCLEAR FUELS CORPORATION																
Patents By Year of Grant:	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BELOIT TECHNOLOGIES, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
BEXFORD LIMITED IMPERIAL CHEMICAL HOUSE																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FORD MOTOR COMPANY																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FUJI HUNT PHOTOGRAPHIC CHEMICALS INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2
Patents By Year of Application:	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
H. C. STARCK, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

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---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre															
	1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
RHONE-POULENC AG COMPANY INC.																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
SASOL TECHNOLOGY (PROPRIETARY) LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
SCIENTIFIC-ATLANTA, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
SONY CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
Patents By Year of Application:	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
TEXACO CHEMICAL COMPANY																
Patents By Year of Grant:	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TREDEGAR CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
UNITED STATES BORAX + CHEMICAL CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
VISKASE CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
Patents By Year of Application:	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
AGOURON PHARMACEUTICALS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
AHLSTROM MACHINERY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
AKZO NOBEL NV																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

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---- Ranked List of Organizations with 1 or More Patents ----

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(Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

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---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
ICI AMERICAS INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
IMPLANT INNOVATIONS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
INOAC CORP.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
ISLAND GRAPHICS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
K. W. MUTH COMPANY, INC.																
Patents By Year of Grant:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
KANEKAFUCHI CHEMICAL INDUSTRY CO., LTD.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
KAO KABUSHIKI KAISHA (KAO CORPORATION)																
Patents By Year of Grant:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
KENNECOTT CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
KIMBERLY-CLARK CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
KOBEL, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
LEAR DONNELLY OVERHEAD SYSTEMS L.L.C.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	TOTAL
<b>LORILLARD TOBACCO COMPANY</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
<b>MACHINE BUILDERS AND DESIGN, INC.</b>																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>MCNEIL-PPC, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<b>MEAD CORPORATION</b>																
Patents By Year of Grant:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>MERITOR HEAVY VEHICLE SYSTEMS, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
<b>METHODE ELECTRONICS, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
<b>METTON AMERICA, INC.</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<b>MICROTRONIC A/S</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
<b>MINOLTA CAMERA CO., LTD.</b>																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>MITSUBISHI OIL CO., LTD.</b>																
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>MOLI ENERGY (1990) LIMITED</b>																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1



(Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

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(Granted: Jan 01, 1977 - Dec 31, 2003) ---- Ranked List of Organizations with 1 or More Patents ----

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