

STATUTORY INVENTION REGISTRATIONS
AND
DEFENSIVE PUBLICATIONS

JANUARY 1977 -- DECEMBER 2012



March 2013
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A PATENT TECHNOLOGY MONITORING TEAM REPORT

Statutory Invention Registrations and Defensive Publications Report

1/1977 - 12/2012

Explanation of Data

This Patent Technology Monitoring Team (PTMT) Report profiles patent activity for statutory invention registrations and defensive publications (hereafter referred to as patents) granted between **1977** and **December 2012**. The source of the data used for this report is the TAF database maintained by the U.S. Patent and Trademark Office.

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 1999**" column correspond to the period **prior to 1999**.

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 in which the patent (or patented application) was filed ("Patents by Year of Application").

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (ROUGHLY 35% 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 **32** months, the patented application data for the most recent years are incomplete.* This is because the patents included in this report are limited to those **granted** during the specified time period. However, a significant number of the applications filed during the most recent years of this time period were still pending at the end of the period. While many of these applications eventually will be patented, they will not be patented until sometime following the end of the period displayed 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, for the most part, such fluctuations would be immune from changes in U.S. Patent and Trademark Office (PTO) processing such as occurred in years such as in 1986 and 2005 when the PTO issued fewer patents than would have normally been expected because of administrative reasons. 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. Patent data in the "**Pre 1999**" column correspond to the period **prior to 1999**.

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**.

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 Corporation 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 U.S. Government patent ownership includes only patents granted to the Federal Government, no similar distinction is made for Foreign Government patents.

Note that for a patent, the country of origin may differ from the country of ownership. Therefore, **the sum of U.S. origin patents does not equal the sum of U.S. ownership category 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.

* For example, in a report profiling utility patents granted through December 2012, patent grant data, as distributed by year of application, are approximately 95% complete for utility patent applications filed in 2004, 89% complete for applications filed in 2005, 80% complete for applications filed in 2006, 67% complete for applications filed in 2007, 49% complete for applications filed in 2008, 36% complete for applications filed in 2009, and 19% complete for applications filed in 2010; data are essentially complete for applications filed prior to 2004. About 90% of all patent documents granted by USPTO (i.e., including utility, design, plant, and reissue patents, statutory invention registrations, and defensive publications) are utility patent grants. 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, 2012) -----

----- NUMBER OF PATENTS -----
 Pre 1999 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 Total

Total	2254	60	104	76	49	36	20	23	32	29	20	6	17	15	8	2749
U.S. Origin	2003	56	96	72	49	35	19	23	28	26	20	5	15	14	7	2468
Foreign Origin	251	4	8	4		1	1		4	3		1	2	1	1	281

JAPAN	136	2	2													140
UNITED KINGDOM	56		3	1					1	1						62
CANADA	15		2										2	1		20
GERMANY	11			1												12
NETHERLANDS	9									1						10
FRANCE	7															7
SWITZERLAND	5															5
AUSTRALIA	2			1					1							4
INDIA	3														1	4
SOUTH AFRICA		1	1			1				1						4
ITALY	3															3
BELGIUM	2	1														3
INDONESIA	1															1
SWEDEN	1															1
TAIWAN				1												1
ISRAEL							1									1
AUSTRIA									1							1
CZECH REPUBLIC									1							1
MALAYSIA												1				1

Ownership:

U.S. Corporations	545	28	65	44	27	25	7	10	8	14	9	2	9	3	2	798
U.S. Government	986	14	25	24	19	7	12	11	18	10	10	3	5	10	4	1158
U.S. Individuals	503	13	10	4	3	2			2	2	1		1	1	1	543
Foreign Corporations	134	3	3	3		2		2	3	2				1		153
Foreign Government																0
Foreign Individuals	86	2	1	1			1		1	1		1	2		1	97

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2012) ----

	PERCENT OF PATENTS															
	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	89	93	92	95	100	97	95	100	88	90	100	83	88	93	88	90
Foreign Origin	11	7	8	5		3	5		13	10		17	12	7	13	10
JAPAN	6	3	2													5
UNITED KINGDOM	2		3	1					3	3						2
CANADA	1		2										12	7		1
GERMANY				1												0
NETHERLANDS										3						0
FRANCE																0
SWITZERLAND																0
AUSTRALIA				1					3							0
INDIA															13	0
SOUTH AFRICA		2	1			3				3						0
ITALY																0
BELGIUM		2														0
INDONESIA																0
SWEDEN																0
TAIWAN				1												0
ISRAEL							5									0
AUSTRIA									3							0
CZECH REPUBLIC									3							0
MALAYSIA												17				0
Ownership:																
U.S. Corporations	24	47	63	58	55	69	35	43	25	48	45	33	53	20	25	29
U.S. Government	44	23	24	32	39	19	60	48	56	34	50	50	29	67	50	42
U.S. Individuals	22	22	10	5	6	6			6	7	5		6	7	13	20
Foreign Corporations	6	5	3	4		6		9	9	7				7		6
Foreign Government																0
Foreign Individuals	4	3	1	1			5		3	3		17	12		13	4

Part A2

Patent Grants As Distributed By Year of Patent Application

----- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2012) -----

	NUMBER OF PATENTED APPLICATIONS															
	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Total
Total	2519	46	34	23	34	25	16	9	14	12	7	7	2	1		2749
U.S. Origin	2253	44	33	22	33	23	13	9	12	10	7	6	2	1		2468
Foreign Origin	266	2	1	1	1	2	3		2	2		1				281
JAPAN	140															140
UNITED KINGDOM	60		1				1									62
CANADA	17						1		2							20
GERMANY	12															12
NETHERLANDS	9									1						10
FRANCE	7															7
SWITZERLAND	5															5
AUSTRALIA	2	2														4
INDIA	3											1				4
SOUTH AFRICA	2			1			1									4
ITALY	3															3
BELGIUM	3															3
INDONESIA	1															1
TAIWAN	1															1
SWEDEN	1															1
ISRAEL					1											1
AUSTRIA						1										1
CZECH REPUBLIC						1										1
MALAYSIA										1						1
Ownership:																
U.S. Corporations	695	26	19	9	16	7	6	4	6	5	2	2	1			798
U.S. Government	1061	14	14	11	14	15	6	4	4	5	5	4	1			1158
U.S. Individuals	531	3		2	1	1	1	1	2					1		543
Foreign Corporations	143	1	1	1	2	2	2		1							153
Foreign Government																0
Foreign Individuals	89	2			1		1		1	2		1				97

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2012) ----

	PERCENT OF PATENTED APPLICATIONS															
	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100		100
U.S. Origin	89	96	97	96	97	92	81	100	86	83	100	86	100	100		90
Foreign Origin	11	4	3	4	3	8	19		14	17		14				10
JAPAN	6															5
UNITED KINGDOM	2		3				6									2
CANADA	1						6		14							1
GERMANY																0
NETHERLANDS										8						0
FRANCE																0
SWITZERLAND																0
AUSTRALIA		4														0
INDIA												14				0
SOUTH AFRICA				4			6									0
ITALY																0
BELGIUM																0
INDONESIA																0
TAIWAN																0
SWEDEN																0
ISRAEL					3											0
AUSTRIA						4										0
CZECH REPUBLIC						4										0
MALAYSIA										8						0
Ownership:																
U.S. Corporations	28	57	56	39	47	28	38	44	43	42	29	29	50			29
U.S. Government	42	30	41	48	41	60	38	44	29	42	71	57	50			42
U.S. Individuals	21	7		9	3	4	6	11	14					100		20
Foreign Corporations	6	2	3	4	6	8	13		7							6
Foreign Government																0
Foreign Individuals	4	4			3		6		7	17		14				4

Part B

Ranked Listing of Organizations with Patent Grants

As Distributed By Year of Patent Grant

and As Distributed By Year of Patent Application

STATUTORY INVENTION REGISTRATIONS AND DEFENSIVE PUBLICATIONS REPORT

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----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2012) ----- Ranked List of Organizations with 1 or More Patents -----

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----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2012) ----- Ranked List of Organizations with 1 or More Patents -----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
IMPERIAL CHEMICAL INDUSTRIES PLC																
Patents By Year of Grant:	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Patents By Year of Application:	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
KONICA CORPORATION																
Patents By Year of Grant:	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Patents By Year of Application:	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
A. E. STALEY MANUFACTURING COMPANY																
Patents By Year of Grant:	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Patents By Year of Application:	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
DSC/CELCORE, INC.																
Patents By Year of Grant:	0	2	16	3	0	0	0	0	0	0	0	0	0	0	0	21
Patents By Year of Application:	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	14	0	2	1	3	0	0	0	0	0	0	0	0	0	0	20
Patents By Year of Application:	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
EXXON PRODUCTION RESEARCH COMPANY																
Patents By Year of Grant:	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Patents By Year of Application:	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
FMC CORPORATION																
Patents By Year of Grant:	11	1	2	3	1	0	1	0	0	0	0	0	0	0	0	19
Patents By Year of Application:	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
W. R. GRACE & CO.-CONN.																
Patents By Year of Grant:	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Patents By Year of Application:	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
XEROX CORPORATION																
Patents By Year of Grant:	6	3	4	0	0	0	0	1	0	0	0	0	0	0	0	14
Patents By Year of Application:	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	14
DOW CHEMICAL COMPANY																
Patents By Year of Grant:	10	1	1	1	0	0	0	0	0	0	0	0	0	0	0	13
Patents By Year of Application:	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
BRISTOL-MYERS SQUIBB COMPANY																
Patents By Year of Grant:	5	1	1	0	0	0	0	0	0	4	1	0	0	0	0	12
Patents By Year of Application:	7	0	0	0	0	0	2	2	1	0	0	0	0	0	0	12

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

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----	Organizational Patenting	(Granted: Jan 01, 1977 - Dec 31, 2012)															----	Ranked List of Organizations with 1 or More Patents	----
	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL			
MI DRILLING FLUIDS 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			
MOBIL OIL CORP.																			
Patents By Year of Grant:	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3			
Patents By Year of Application:	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3			
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			
RHONE-POULENC INC.																			
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			
SMITH INTERNATIONAL INC.																			
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			
SUN MICROSYSTEMS, INC.																			
Patents By Year of Grant:	0	2	0	1	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			
ADVANCED NUCLEAR FUELS 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			
BELOIT TECHNOLOGIES, INC.																			
Patents By Year of Grant:	0	1	1	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			
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	1	0	0	1	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			

---- 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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---- Organizational Patenting

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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----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2012) ----- 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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---- Ranked List of Organizations with 1 or More Patents ----

----- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2012) ----- 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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---- 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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---- Ranked List of Organizations with 1 or More Patents ----

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---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2012) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1999	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
TARGUS GROUP INTERNATIONAL																
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
TEKTRONIX INC.																
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	1	0	0	0	0	0	0	0	0	1
TEXAS INSTRUMENTS, INCORPORATED																
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
TOKYO ROPE MANUFACTURING 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
TOWMOTOR 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
TOYOTA JIDOSHA K.K.																
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
ULTRAPOINTE 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
UNISYS CORPORATION																
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	1	0	0	0	0	0	0	0	0	0	0	1
UNITED STATES OF AMERICA, DEPARTMENT OF VETERANS AFFAIRS																
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	0	0	1	0	0	0	1
UNITED TECHNOLOGIES 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
VESTA CORPORATION																
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	1	0	0	0	0	0	0	1

(Granted: Jan 01, 1977 - Dec 31, 2012)

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

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