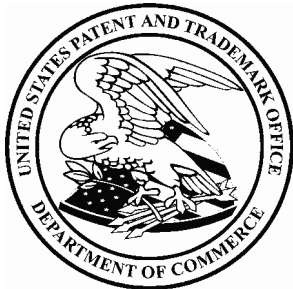


STATUTORY INVENTION REGISTRATIONS
AND
DEFENSIVE PUBLICATIONS

JANUARY 1977 -- DECEMBER 2008



March 2009
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A PATENT TECHNOLOGY MONITORING TEAM REPORT

Statutory Invention Registrations and Defensive Publications Report
1/1977 - 12/2008
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 2008**. 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 1995**" column corresponds to the period **January 1, 1977** through **December 31, 1994**.

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 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 a significant number of the applications filed in the most recent years, which will ultimately become patents, were still pending in **December 2008**. 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 and 2005 when the PTO issued fewer patents than would normally have been expected due to 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.

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.

* As of **December 31, 2008**, UTILITY patent application data (most issued patent documents are utility patents) were approximately 98% complete for 2000 filings, 93% complete for 2001 filings, 90% complete for 2002 filings, 78% complete for 2003 filings, 60% complete for 2004 filings, 37% complete for 2005 filings, and 17% complete for 2006 filings. Data were essentially complete for applications filed prior to 2000. 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, 2008) ----

	NUMBER OF PATENTS															
	Pre 1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Total
Total	1884	121	109	78	62	60	104	76	49	36	20	23	32	29	20	2703
U.S. Origin	1677	111	94	65	56	56	96	72	49	35	19	23	28	26	20	2427
Foreign Origin	207	10	15	13	6	4	8	4		1	1		4	3		276
JAPAN	107	7	12	7	3	2	2									140
UNITED KINGDOM	56						3	1					1	1		62
CANADA	12	1		1	1		2									17
GERMANY	10			1				1								12
NETHERLANDS	7		1	1										1		10
FRANCE	5	1			1											7
SWITZERLAND	3	1	1													5
AUSTRALIA	2							1					1			4
SOUTH AFRICA						1	1			1				1		4
INDIA	2		1													3
ITALY	2				1											3
BELGIUM				2		1										3
INDONESIA				1												1
SWEDEN	1															1
TAIWAN								1								1
ISRAEL										1						1
AUSTRIA													1			1
CZECH REPUBLIC													1			1
Ownership:																
U.S. Corporations	415	35	40	29	26	28	65	44	27	25	7	10	8	14	9	782
U.S. Government	866	51	37	22	10	14	25	24	19	7	12	11	18	10	10	1136
U.S. Individuals	422	25	19	18	19	13	10	4	3	2			2	2	1	540
Foreign Corporations	113	5	7	3	6	3	3	3		2		2	3	2		152
Foreign Government																0
Foreign Individuals	68	5	6	6	1	2	1	1			1		1	1		93

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2008) ----

	PERCENT OF PATENTS															
	Pre 1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	89	92	86	83	90	93	92	95	100	97	95	100	88	90	100	90
Foreign Origin	11	8	14	17	10	7	8	5		3	5		13	10		10
JAPAN	6	6	11	9	5	3	2									5
UNITED KINGDOM	3						3	1					3	3		2
CANADA	1	1		1	2		2									1
GERMANY	1			1				1								0
NETHERLANDS			1	1										3		0
FRANCE		1			2											0
SWITZERLAND		1	1													0
AUSTRALIA								1					3			0
SOUTH AFRICA						2	1			3				3		0
INDIA			1													0
ITALY					2											0
BELGIUM				3		2										0
INDONESIA				1												0
SWEDEN																0
TAIWAN								1								0
ISRAEL										5						0
AUSTRIA													3			0
CZECH REPUBLIC													3			0
Ownership:																
U.S. Corporations	22	29	37	37	42	47	63	58	55	69	35	43	25	48	45	29
U.S. Government	46	42	34	28	16	23	24	32	39	19	60	48	56	34	50	42
U.S. Individuals	22	21	17	23	31	22	10	5	6	6			6	7	5	20
Foreign Corporations	6	4	6	4	10	5	3	4		6		9	9	7		6
Foreign Government																0
Foreign Individuals	4	4	6	8	2	3	1	1			5		3	3		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, 2008) ----

	NUMBER OF PATENTED APPLICATIONS															
	Pre 1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Total
Total	2152	90	72	91	113	46	33	23	33	24	14	7	2	3		2703
U.S. Origin	1915	80	65	82	110	44	32	22	32	22	12	7	2	2		2427
Foreign Origin	237	10	7	9	3	2	1	1	1	2	2			1		276
JAPAN	128	4	4	4												140
UNITED KINGDOM	57		1		2		1				1					62
CANADA	14		1	2												17
GERMANY	10	1		1												12
NETHERLANDS	9													1		10
FRANCE	6		1													7
SWITZERLAND	5															5
AUSTRALIA	2						2									4
SOUTH AFRICA				1	1			1			1					4
INDIA	3															3
ITALY	2	1														3
BELGIUM		3														3
INDONESIA		1														1
TAIWAN				1												1
SWEDEN	1															1
ISRAEL									1							1
AUSTRIA										1						1
CZECH REPUBLIC										1						1
Ownership:																
U.S. Corporations	511	29	33	46	76	26	18	9	15	6	6	3	2	2		782
U.S. Government	967	26	23	21	23	14	14	11	14	15	5	3				1136
U.S. Individuals	468	26	9	18	10	3		2	1	1	1	1				540
Foreign Corporations	125	5	5	4	4	1	1	1	2	2	2					152
Foreign Government																0
Foreign Individuals	81	4	2	2		2			1					1		93

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2008) ----

	PERCENT OF PATENTED APPLICATIONS															
	Pre 1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	89	89	90	90	97	96	97	96	97	92	86	100	100	67		90
Foreign Origin	11	11	10	10	3	4	3	4	3	8	14			33		10
JAPAN	6	4	6	4												5
UNITED KINGDOM	3		1		2		3				7					2
CANADA	1		1	2												1
GERMANY		1		1												0
NETHERLANDS														33		0
FRANCE			1													0
SWITZERLAND																0
AUSTRALIA						4										0
SOUTH AFRICA				1	1			4			7					0
INDIA																0
ITALY		1														0
BELGIUM		3														0
INDONESIA		1														0
TAIWAN				1												0
SWEDEN																0
ISRAEL									3							0
AUSTRIA										4						0
CZECH REPUBLIC										4						0
Ownership:																
U.S. Corporations	24	32	46	51	67	57	55	39	45	25	43	43	100	67		29
U.S. Government	45	29	32	23	20	30	42	48	42	63	36	43				42
U.S. Individuals	22	29	13	20	9	7		9	3	4	7	14				20
Foreign Corporations	6	6	7	4	4	2	3	4	6	8	14					6
Foreign Government																0
Foreign Individuals	4	4	3	2		4			3					33		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

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2008) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	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:	18	2	5	0	0	0	0	0	0	0	0	0	0	0	0	25
Patents By Year of Application:	24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	25
A. E. STALEY MANUFACTURING COMPANY																
Patents By Year of Grant:	21	2	1	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	0	0	0	0	2	16	3	0	0	0	0	0	0	0	21
Patents By Year of Application:	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	21
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	1	1	3	7	2	0	2	1	3	0	0	0	0	0	0	20
Patents By Year of Application:	8	6	0	5	1	0	0	0	0	0	0	0	0	0	0	20
EXXON PRODUCTION RESEARCH COMPANY																
Patents By Year of Grant:	10	2	4	1	1	1	0	0	0	0	0	0	0	0	0	19
Patents By Year of Application:	17	0	1	1	0	0	0	0	0	0	0	0	0	0	0	19
FMC CORPORATION																
Patents By Year of Grant:	9	0	0	0	2	1	2	3	1	0	1	0	0	0	0	19
Patents By Year of Application:	10	0	1	2	6	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:	4	1	0	1	0	3	4	0	0	0	0	1	0	0	0	14
Patents By Year of Application:	5	1	1	4	1	2	0	0	0	0	0	0	0	0	0	14
DOW CHEMICAL COMPANY																
Patents By Year of Grant:	4	4	1	1	0	1	1	1	0	0	0	0	0	0	0	13
Patents By Year of Application:	9	0	1	3	0	0	0	0	0	0	0	0	0	0	0	13
BRISTOL-MYERS SQUIBB COMPANY																
Patents By Year of Grant:	1	1	0	1	2	1	1	0	0	0	0	0	0	4	1	12
Patents By Year of Application:	2	0	3	2	0	0	0	0	0	0	2	2	1	0	0	12

---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2008) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre																
	1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	TOTAL	
ELI LILLY AND COMPANY																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	6	
Patents By Year of Application:	0	0	0	3	2	1	0	0	0	0	0	0	0	0	0	6	
EXXON CHEMICALS PATENTS INC.																	
Patents By Year of Grant:	1	0	0	0	0	0	1	2	0	1	1	0	0	0	0	6	
Patents By Year of Application:	2	1	2	0	0	0	1	0	0	0	0	0	0	0	0	6	
EXXON RESEARCH + ENGINEERING CO.																	
Patents By Year of Grant:	6	0	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:	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	5	
Patents By Year of Application:	3	2	0	0	0	0	0	0	0	0	0	0	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	1	0	0	0	2	2	0	0	0	0	0	5	
Patents By Year of Application:	1	0	0	0	0	1	3	0	0	0	0	0	0	0	0	5	
OPUSWAVE NETWORKS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	3	1	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	1	0	4	0	0	0	0	0	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:	4	0	0	0	0	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	1	0	2	1	0	0	0	0	0	4	
Patents By Year of Application:	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	4	
HALLIBURTON ENERGY SERVICES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2	4	
Patents By Year of Application:	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0	4	

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2008) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	TOTAL
GENESIS MICROCHIP INC.																
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
GENETICS INSTITUTE, INC.																
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
GLYCO CHEMICALS, 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
GOLDMAN, SACHS & CO.																
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
GRACE ITALIANA S.P.A.																
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
GREAT LAKES CHEMICAL 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
GTE MOBILE COMMUNICATIONS SERVICE CORPORATION																
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
Greater Kansas City Community Foundation																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Gyro Energy Limited																
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	1	0	0	0	0	1
HALLIBURTON CO.																
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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
HALOCARBON PRODUCTS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1

