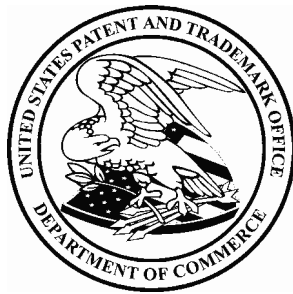


PROFILE REPORT

U.S. (FEDERAL) GOVERNMENT PATENTING

1/1977 - 12/2012



March 2013
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A PATENT TECHNOLOGY MONITORING TEAM REPORT

U.S. (Federal) Government Patenting Report 1/1977 - 12/2012 Explanation of Data

This Patent Technology Monitoring Team (PTMT) report profiles patent activity for all U.S. patent documents (design, plant, reissue, and utility patents, defensive publications, and statutory invention registrations) granted between **January 1, 1977** and **December 31, 2012** for which ownership was assigned to a Federal organization at the time of grant. Most of these patents are utility patents, also known as "patents for inventions". 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 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 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 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. 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 Federal Government organizations that have received 1 or more U.S. patents since **1977**. Information on patent ownership reflects ownership at the time of patent grant (see explanation for Parts A1 and A2, above). 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 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 are utility patent grants. Currently, completion percentages restricted to Federal Government patents 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	24813	1000	960	985	945	891	859	713	815	739	693	710	937	927	1003	36990	
U.S. Origin	24631	996	953	975	933	881	855	699	801	728	683	704	917	918	991	36665	
Foreign Origin	182	4	7	10	12	10	4	14	14	11	10	6	20	9	12	325	
GERMANY	23		1	1	4		2	3	1	2	2		3		2	44	
UNITED KINGDOM	29	1	1	1		1		2	1	1		1	2			40	
JAPAN	15			1		1			1	3	2	2	5	2	1	33	
CANADA	22	1	1			2	1	1	2	1			1			32	
ISRAEL	20			1		1		1	1	1	1		1	1	2	30	
INDIA	19															19	
FRANCE	5		2					1	1	1	1			1	2	14	
ITALY	5		1	2	1		1	1	1				2			14	
RUSSIAN FEDERATION			1	2	5	1					1	1				11	
BRAZIL	3								1				1	2	2	9	
KOREA, SOUTH		1			1			4	1	1					1	9	
GREECE	7															7	
AUSTRALIA	5					1									1	7	
SWITZERLAND	5	1														6	
KENYA				1		1					1	2		1		6	
TURKEY	4															4	
BELGIUM	1					2			1							4	
SWEDEN	1									1				1		3	
TAIWAN	2			1												3	
NETHERLANDS	1												1	1		3	
UKRAINE									1		1				1	3	
POLAND	1												1			2	
YUGOSLAVIA / SERBIA-M	1							1								2	
EGYPT	2															2	
CHINA, PEOPLE'S REPUB	2															2	
NORWAY	2															2	
FINLAND	2															2	
SINGAPORE					1						1					2	
THAILAND									1				1			2	
UNITED ARAB EMIRATES	1															1	
BULGARIA	1															1	
JORDAN	1															1	
AUSTRIA									1							1	
VENEZUELA	1															1	
TANZANIA	1															1	
DENMARK													1			1	
Others (1)													1			1	
Ownership:																	
U.S. Corporations																0	
U.S. Government	24813	1000	960	985	945	891	859	713	815	739	693	710	937	927	1003	36990	
U.S. Individuals																0	
Foreign Corporations																0	
Foreign Government																0	
Foreign Individuals																0	

[illegible]

Part A2

Patent Grants as Distributed By Year of Patent Application

Ownership:

	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	100
U.S. Origin	99	99	99	99	99	98	99	99	98	98	99	99	99	97	95	99
Foreign Origin	1	1	1	1	1	2	1	1	2	2	1	1	1	3	5	1
GERMANY																0
UNITED KINGDOM																0
JAPAN										1				1		0
CANADA																0
ISRAEL																0
INDIA																0
FRANCE														1		0
ITALY																0
RUSSIAN FEDERATION																0
BRAZIL														2	5	0
KOREA, SOUTH																0
GREECE																0
AUSTRALIA																0
SWITZERLAND																0
KENYA																0
TURKEY																0
BELGIUM																0
SWEDEN																0
TAIWAN																0
NETHERLANDS																0
UKRAINE																0
YUGOSLAVIA / SERBIA-M																0
FINLAND																0
EGYPT																0
CHINA, PEOPLE'S REPUB																0
NORWAY																0
SINGAPORE																0
THAILAND																0
POLAND																0
VENEZUELA																0
BULGARIA																0
UNITED ARAB EMIRATES																0
TANZANIA																0
JORDAN																0
AUSTRIA																0
NEW ZEALAND																0
Others (1)																0
Ownership:																
U.S. Corporations																0
U.S. Government	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Individuals																0
Foreign Corporations																0
Foreign Government																0
Foreign Individuals																0

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, 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
UNITED STATES OF AMERICA, NAVY																
Patents By Year of Grant:	6823	360	366	326	388	366	322	262	284	273	229	236	307	321	360	11223
Patents By Year of Application:	7713	292	343	367	351	353	325	283	236	282	236	254	134	44	10	11223
UNITED STATES OF AMERICA, ARMY																
Patents By Year of Grant:	4551	143	147	165	150	131	135	127	181	144	130	118	158	131	174	6585
Patents By Year of Application:	4887	155	165	146	163	168	191	181	140	92	94	102	74	25	2	6585
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY																
Patents By Year of Grant:	4360	53	57	69	45	43	40	22	22	23	17	23	38	27	37	4876
Patents By Year of Application:	4494	48	58	43	43	32	19	19	23	33	25	23	9	5	2	4876
UNITED STATES OF AMERICA, AIR FORCE																
Patents By Year of Grant:	2979	91	84	106	76	68	55	55	49	43	46	51	46	46	52	3847
Patents By Year of Application:	3188	85	78	76	74	56	51	70	39	38	36	34	17	5	0	3847
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION																
Patents By Year of Grant:	2534	93	97	92	85	80	102	87	62	70	66	86	101	107	106	3768
Patents By Year of Application:	2753	72	104	94	115	96	86	87	94	88	68	74	28	8	1	3768
UNITED STATES OF AMERICA, DEPARTMENT OF HEALTH & HUMAN SERVICES																
Patents By Year of Grant:	1294	142	97	103	92	87	118	81	122	100	110	110	136	152	131	2875
Patents By Year of Application:	1677	110	137	166	146	124	91	101	79	78	60	55	31	19	1	2875
UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE																
Patents By Year of Grant:	1095	71	55	67	51	63	41	29	39	26	31	27	41	56	54	1746
Patents By Year of Application:	1249	52	60	72	47	43	33	35	25	35	41	32	17	4	1	1746
UNITED STATES OF AMERICA, DEPARTMENT OF THE INTERIOR																
Patents By Year of Grant:	440	5	7	5	12	7	11	9	1	7	1	5	3	1	3	517
Patents By Year of Application:	454	7	8	17	5	8	3	3	2	6	3	0	1	0	0	517
UNITED STATES OF AMERICA, DEPARTMENT OF COMMERCE																
Patents By Year of Grant:	281	21	21	21	20	12	9	4	5	3	5	4	10	15	12	443
Patents By Year of Application:	333	16	19	14	12	2	3	8	4	7	14	10	1	0	0	443
UNITED STATES OF AMERICA, DIRECTOR NATIONAL SECURITY AGENCY																
Patents By Year of Grant:	64	7	17	11	10	15	10	9	17	12	19	12	27	11	8	249
Patents By Year of Application:	91	15	17	12	16	4	18	23	15	12	9	11	4	2	0	249
UNITED STATES OF AMERICA, ENVIRONMENTAL PROTECTION AGENCY																
Patents By Year of Grant:	97	4	9	12	6	8	8	6	12	10	9	9	11	17	11	229
Patents By Year of Application:	109	10	8	11	7	17	10	16	14	8	8	8	2	1	0	229

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

Other Organizations (0)