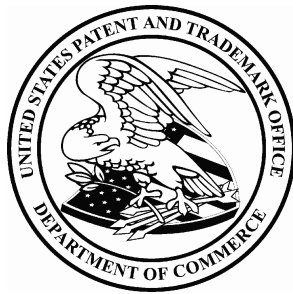


PROFILE REPORT

U.S. (FEDERAL) GOVERNMENT PATENTING

1/1977 - 12/2013



March 2014
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A PATENT TECHNOLOGY MONITORING TEAM REPORT

U.S. (Federal) Government Patenting Report 1/1977 - 12/2013 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, 2013** for which the first-named assignee (assigned owner), at the time of grant, was a Federal organization. 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 YYYY**" column correspond to the time period **prior to year YYYY**.

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 APPLICATIONS FILED BUT NEVER ISSUED (HISTORICALLY ~ 35% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a utility patent and the issuing of the patent (i.e., a patent's "pendency") is now about **29** months, the patented application data for the most recent years are incomplete.* This is because a significant number of the applications filed during the most recent years were still pending at the end of the report period. While many of these applications eventually will be patented, they will not be patented until sometime following the report period.

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

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 ownership category 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 Patent ownership, 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 2013, patent grant data, as distributed by year of application are approximately 96% complete for utility patent applications filed in 2004, 92% complete for applications filed in 2005, 84% complete for applications filed in 2006, 74% complete for applications filed in 2007, 59% complete for applications filed in 2008, 50% complete for applications filed in 2009, 39% complete for applications filed in 2010, and 24% complete for applications filed in 2011; 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, etc.) are utility patents. Currently, completion percentages restricted to Federal Government patents are not available.

Part A1

Patent Grants as Distributed By Year of Patent Grant

Ownership:

Ownership:

Part A2

Patent Grants as Distributed By Year of Patent Application

NUMBER OF PATENTED APPLICATIONS															
Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total

Foreign Corporations	0
Foreign Government	0
Foreign Individuals	0

PERCENT OF PATENTED APPLICATIONS																
Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total	

[illegible]

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, 2013) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre															
	2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
UNITED STATES OF AMERICA, NAVY																
Patents By Year of Grant:	7183	366	326	388	366	322	262	284	273	229	236	307	321	360	407	11630
Patents By Year of Application:	8005	343	367	351	354	325	284	241	294	256	304	260	184	59	3	11630
UNITED STATES OF AMERICA, ARMY																
Patents By Year of Grant:	4694	147	165	150	131	135	127	181	144	130	118	158	131	174	159	6744
Patents By Year of Application:	5042	165	146	163	168	193	183	141	94	101	117	116	77	34	4	6744
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY																
Patents By Year of Grant:	4413	57	69	45	43	40	22	22	23	17	23	38	27	37	44	4920
Patents By Year of Application:	4542	58	43	43	32	19	19	25	33	26	30	25	18	7	0	4920
UNITED STATES OF AMERICA, AIR FORCE																
Patents By Year of Grant:	3070	84	106	76	68	55	55	49	43	46	51	46	46	52	58	3905
Patents By Year of Application:	3273	78	76	74	56	51	70	40	39	40	43	27	24	13	1	3905
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION																
Patents By Year of Grant:	2627	97	92	85	80	102	87	62	70	66	86	101	107	106	92	3860
Patents By Year of Application:	2825	104	94	116	96	87	87	96	95	75	84	64	28	9	0	3860
UNITED STATES OF AMERICA, DEPARTMENT OF HEALTH & HUMAN SERVICES																
Patents By Year of Grant:	1436	97	103	92	87	118	81	122	100	110	110	136	152	131	140	3015
Patents By Year of Application:	1787	138	166	146	124	91	103	90	90	85	72	59	43	21	0	3015
UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE																
Patents By Year of Grant:	1166	55	67	51	63	41	29	39	26	31	27	41	56	54	57	1803
Patents By Year of Application:	1301	60	72	47	43	33	35	27	38	47	42	33	19	6	0	1803
UNITED STATES OF AMERICA, DEPARTMENT OF THE INTERIOR																
Patents By Year of Grant:	445	7	5	12	7	11	9	1	7	1	5	3	1	3	1	518
Patents By Year of Application:	461	8	17	5	8	3	3	2	6	3	0	1	1	0	0	518
UNITED STATES OF AMERICA, DEPARTMENT OF COMMERCE																
Patents By Year of Grant:	302	21	21	20	12	9	4	5	3	5	4	10	15	12	12	455
Patents By Year of Application:	349	19	14	12	2	3	8	4	7	15	13	7	1	1	0	455
UNITED STATES OF AMERICA, DIRECTOR NATIONAL SECURITY AGENCY																
Patents By Year of Grant:	71	17	11	10	15	10	9	17	12	19	12	27	11	8	12	261
Patents By Year of Application:	106	17	12	16	4	18	23	15	12	9	13	5	9	2	0	261
UNITED STATES OF AMERICA, ENVIRONMENTAL PROTECTION AGENCY																
Patents By Year of Grant:	101	9	12	6	8	8	6	12	10	9	9	11	17	11	14	243
Patents By Year of Application:	119	8	11	7	17	10	17	15	9	10	10	5	4	1	0	243

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2013) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
UNITED STATES OF AMERICA, POSTAL SERVICE																
Patents By Year of Grant:	9	0	2	1	4	2	13	14	19	20	12	42	25	37	35	235
Patents By Year of Application:	11	9	31	28	19	29	21	21	16	16	7	10	6	10	1	235
UNITED STATES OF AMERICA, TENNESSEE VALLEY AUTHORITY																
Patents By Year of Grant:	149	2	2	1	1	2	0	1	1	0	1	0	0	0	0	160
Patents By Year of Application:	153	2	0	2	0	1	0	2	0	0	0	0	0	0	0	160
UNITED STATES OF AMERICA, DEPARTMENT OF VETERANS AFFAIRS																
Patents By Year of Grant:	10	0	1	2	4	1	7	3	5	7	13	8	14	10	8	93
Patents By Year of Application:	12	4	8	5	10	10	8	7	6	8	5	2	3	5	0	93
UNITED STATES OF AMERICA																
Patents By Year of Grant:	61	0	1	0	0	0	0	1	1	0	0	0	0	0	0	64
Patents By Year of Application:	62	0	0	0	1	1	0	0	0	0	0	0	0	0	0	64
UNITED STATES OF AMERICA, DEPARTMENT OF TRANSPORTATION																
Patents By Year of Grant:	39	1	0	6	0	2	1	0	0	0	0	1	0	0	0	50
Patents By Year of Application:	43	4	1	1	0	0	0	1	0	0	0	0	0	0	0	50
UNITED STATES OF AMERICA, FEDERAL COMMUNICATIONS COMMISSION																
Patents By Year of Grant:	16	0	1	0	0	0	0	0	0	0	0	0	0	0	0	17
Patents By Year of Application:	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
UNITED STATES OF AMERICA, FEDERAL RESERVE BANK OF ATLANTA																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	0	2	2	1	3	3	12
Patents By Year of Application:	0	0	0	0	1	2	2	3	2	1	1	0	0	0	0	12
UNITED STATES OF AMERICA, DEPARTMENT OF THE TREASURY																
Patents By Year of Grant:	9	0	0	0	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
UNITED STATES OF AMERICA, ATTORNEY GENERAL																
Patents By Year of Grant:	2	0	0	0	1	0	0	1	0	0	0	1	1	0	0	6
Patents By Year of Application:	3	0	0	0	1	0	0	0	0	1	1	0	0	0	0	6
UNITED STATES OF AMERICA, NATIONAL SCIENCE FOUNDATION																
Patents By Year of Grant:	0	0	0	0	1	0	0	0	1	0	0	1	1	0	2	6
Patents By Year of Application:	0	1	0	0	1	0	0	0	2	0	1	0	1	0	0	6
UNITED STATES OF AMERICA, DEPARTMENT OF HOMELAND SECURITY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	4
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	4

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2013) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
UNITED STATES OF AMERICA, DEPARTMENT OF STATE																
Patents By Year of Grant:	1	0	1	0	0	0	1	0	0	0	0	0	0	1	0	4
Patents By Year of Application:	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	4
UNITED STATES OF AMERICA, FEDERAL RESERVE BANK OF DALLAS																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	4
Patents By Year of Application:	0	0	0	0	0	0	0	2	1	0	0	1	0	0	0	4
UNITED STATES OF AMERICA, LIBRARY OF CONGRESS																
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
UNITED STATES OF AMERICA, FEDERAL RESERVE BANK OF KANSAS CITY																
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	2	1	0	0	0	0	0	3
UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES																
Patents By Year of Grant:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
UNITED STATES OF AMERICA, FEDERAL AVIATION ADMINISTRATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2
UNITED STATES OF AMERICA, FEDERAL RESERVE BANK OF MINNEAPOLIS																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
Patents By Year of Application:	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
UNITED STATES OF AMERICA, FEDERAL RESERVE BANK OF RICHMOND																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Patents By Year of Application:	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
Federal Reserve Bank of New York																
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	1	0	0	0	0	1
The United States of America as represented by the Defense Threat Reduction Agency																
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
The White House Commission on the National Moment of Remembrance																
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

