

PTMT PROFILE REPORT

U.S. (FEDERAL) GOVERNMENT PATENTING

1/1977 - 12/2006



March 2007
U.S. PATENT AND TRADEMARK OFFICE
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A PATENT TECHNOLOGY MONITORING TEAM REPORT

U.S. (Federal) Government Patenting Report
1/1977 - 12/2006
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, 2006** for which ownership was assigned to a Federal organization at the time of grant. 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 1993**" column corresponds to the period January 1, 1977 through **December 31, 1992**.

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 2006**. 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.

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 Federal organizations which 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.

* As of **December 31, 2006**, UTILITY patent application data (most issued patent documents are utility patents) were approximately 94% complete for patent applications filed in 2000, 86% complete for applications filed in 2001, 76% complete for applications filed in 2002, 54% complete for applications filed in 2003, and 27% complete for applications filed in 2004; data are essentially complete for applications filed prior to 2000. Currently, completion percentages restricted to Federal Government patents are not available.

Part A1

Patent Grants as Distributed By Year of Patent Grant

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[illegible][illegible]

Part A2

Patent Grants as Distributed By Year of Patent Application

Page A2- 1

NUMBER OF PATENTED APPLICATIONS															
Pre 1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Total

[illegible][illegible]

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[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

---- Technology Assessment and Forecast Report ----

U.S. FEDERAL GOVERNMENT (UTILITY, DESIGN, PLANT, REISSUE PATENTS, STATUTORY INVENTION REGISTRATIONS, DEF. PUBLS.), 1977-2006

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---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 2006) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre															
	1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	TOTAL
UNITED STATES OF AMERICA, NAVY																
Patents By Year of Grant:	4761	363	397	352	299	303	346	360	366	326	388	366	322	262	284	9495
Patents By Year of Application:	5577	369	318	354	338	377	361	292	338	355	335	281	159	40	1	9495
UNITED STATES OF AMERICA, ARMY																
Patents By Year of Grant:	3478	184	204	192	156	170	167	143	147	165	150	131	135	127	181	5730
Patents By Year of Application:	3795	206	189	208	179	148	157	153	160	140	146	130	92	25	2	5730
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY																
Patents By Year of Grant:	3651	182	205	119	71	69	63	53	57	69	45	43	40	22	22	4711
Patents By Year of Application:	4000	168	78	69	68	56	55	48	57	43	42	21	4	2	0	4711
UNITED STATES OF AMERICA, AIR FORCE																
Patents By Year of Grant:	2334	139	138	86	104	94	84	91	84	106	76	68	55	55	49	3563
Patents By Year of Application:	2593	112	101	106	94	83	92	85	77	76	63	48	24	9	0	3563
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION																
Patents By Year of Grant:	1789	166	160	122	104	97	95	93	97	92	85	80	102	87	62	3231
Patents By Year of Application:	2053	167	125	111	99	95	102	72	104	93	107	71	24	7	1	3231
UNITED STATES OF AMERICA, HEALTH & HUMAN SERVICES																
Patents By Year of Grant:	542	89	110	104	123	152	174	142	97	103	92	87	118	81	122	2136
Patents By Year of Application:	848	138	193	234	73	106	74	100	117	141	65	32	8	7	0	2136
UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE																
Patents By Year of Grant:	788	54	38	49	41	49	75	71	55	67	51	63	41	29	39	1510
Patents By Year of Application:	890	49	51	67	74	65	52	52	60	71	40	25	13	1	0	1510
UNITED STATES OF AMERICA, DEPARTMENT OF THE INTERIOR																
Patents By Year of Grant:	378	10	10	14	17	8	3	5	7	5	12	7	11	9	1	497
Patents By Year of Application:	394	12	18	12	3	5	10	7	8	16	4	6	2	0	0	497
UNITED STATES OF AMERICA, DEPARTMENT OF COMMERCE																
Patents By Year of Grant:	137	27	34	26	24	18	15	21	21	21	20	12	9	4	5	394
Patents By Year of Application:	198	30	26	25	12	18	24	16	19	14	10	1	1	0	0	394
UNITED STATES OF AMERICA, ENVIRONMENTAL PROTECTION AGENCY																
Patents By Year of Grant:	61	8	4	5	9	7	3	4	9	12	6	8	8	6	12	162
Patents By Year of Application:	71	7	7	12	2	8	2	10	8	11	6	14	2	2	0	162
UNITED STATES OF AMERICA, DIRECTOR NATIONAL SECURITY AGENCY																
Patents By Year of Grant:	37	8	4	3	3	1	8	7	17	11	10	15	10	9	17	160
Patents By Year of Application:	52	4	4	3	3	14	11	15	17	12	15	4	4	2	0	160

---- Technology Assessment and Forecast Report ----

U.S. FEDERAL GOVERNMENT (UTILITY, DESIGN, PLANT, REISSUE PATENTS, STATUTORY INVENTION REGISTRATIONS, DEF. PUBLS.), 1977-2006

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---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2006) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	TOTAL
UNITED STATES OF AMERICA, TENNESSEE VALLEY AUTHORITY																
Patents By Year of Grant:	120	1	4	8	3	3	3	7	2	2	1	1	2	0	1	158
Patents By Year of Application:	123	8	3	4	5	4	4	2	2	0	2	0	1	0	0	158
UNITED STATES OF AMERICA																
Patents By Year of Grant:	58	1	0	1	0	0	1	0	0	1	0	0	0	0	1	63
Patents By Year of Application:	59	1	0	1	0	1	0	0	0	0	0	1	0	0	0	63
UNITED STATES OF AMERICA, DEPARTMENT OF TRANSPORTATION																
Patents By Year of Grant:	27	2	1	0	2	2	3	2	1	0	6	0	2	1	0	49
Patents By Year of Application:	30	0	1	2	3	5	2	0	4	1	1	0	0	0	0	49
UNITED STATES OF AMERICA, POSTAL SERVICE																
Patents By Year of Grant:	6	0	1	0	1	1	0	0	0	2	1	4	2	13	14	45
Patents By Year of Application:	7	1	0	0	1	0	0	2	8	4	8	9	3	2	0	45
UNITED STATES OF AMERICA, DEPARTMENT OF VETERANS AFFAIRS																
Patents By Year of Grant:	10	0	0	0	0	0	0	0	0	1	2	4	1	7	3	28
Patents By Year of Application:	10	0	0	0	0	1	0	1	4	6	3	1	2	0	0	28
UNITED STATES OF AMERICA, FEDERAL COMMUNICATIONS COMMISSION																
Patents By Year of Grant:	15	0	0	0	0	0	0	1	0	1	0	0	0	0	0	17
Patents By Year of Application:	15	0	0	0	0	1	0	1	0	0	0	0	0	0	0	17
UNITED STATES OF AMERICA, TREASURY																
Patents By Year of Grant:	7	0	0	0	2	0	0	0	0	0	0	0	0	0	0	9
Patents By Year of Application:	7	0	1	1	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	0	0	0	0	0	0	0	1	0	0	1	4
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4
UNITED STATES OF AMERICA, LIBRARY OF CONGRESS																
Patents By Year of Grant:	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	4
Patents By Year of Application:	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4
UNITED STATES OF AMERICA, DEPARTMENT OF STATE																
Patents By Year of Grant:	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	3
Patents By Year of Application:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	3
ARMY & AIR FORCE EXCHANGE SERVICE																
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	0	1	0	0	0	1

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

Other Organizations (0)