

PROFILE REPORT

U.S. (FEDERAL) GOVERNMENT PATENTING

1/1977 - 12/2008



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U.S. PATENT AND TRADEMARK OFFICE
ELECTRONIC INFORMATION PRODUCTS DIVISION / PTMT
P.O. Box 1450
ALEXANDRIA, VA 22313-1450
tel (571) 272-5600 / FAX (571) 273-0110

A PATENT TECHNOLOGY MONITORING TEAM REPORT

U.S. (Federal) Government Patenting Report
1/1977 - 12/2008
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, 2008** 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 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 Federal Government 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, 2008**, UTILITY patent application data (most issued patent documents are utility patents) were approximately 98% complete for patent applications filed in 2000, 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 Federal Government patents are not available.

Part A1

Patent Grants as Distributed By Year of Patent Grant

Part A2

Patent Grants as Distributed By Year of Patent Application

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

UNITED STATES OF AMERICA, NAVY

Patents By Year of Grant: 5521 352 299 303 346 360 366 326 388 366 322 262 284 273 229 9997

Patents By Year of Application: 6266 354 339 377 362 292 341 364 348 338 285 192 104 33 2 9997

UNITED STATES OF AMERICA, ARMY

Patents By Year of Grant: 3866 192 156 170 167 143 147 165 150 131 135 127 181 144 130 6004

Patents By Year of Application: 4192 208 179 148 158 154 163 144 156 159 161 125 47 10 0 6004

UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY

Patents By Year of Grant: 4038 119 71 69 63 53 57 69 45 43 40 22 22 23 17 4751

Patents By Year of Application: 4246 69 68 56 55 48 58 43 43 29 15 13 6 2 0 4751

UNITED STATES OF AMERICA, AIR FORCE

Patents By Year of Grant: 2611 86 104 94 84 91 84 106 76 68 55 55 49 43 46 3652

Patents By Year of Application: 2806 106 94 83 92 85 78 76 74 54 42 49 10 3 0 3652

UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Patents By Year of Grant: 2115 122 104 97 95 93 97 92 85 80 102 87 62 70 66 3367

Patents By Year of Application: 2345 111 99 95 102 72 104 94 113 91 62 48 27 4 0 3367

UNITED STATES OF AMERICA, HEALTH & HUMAN SERVICES

Patents By Year of Grant: 741 104 123 152 174 142 97 103 92 87 118 81 122 100 109 2345

Patents By Year of Application: 1179 235 73 106 78 106 131 157 114 78 43 26 15 4 0 2345

UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE

Patents By Year of Grant: 880 49 41 49 75 71 55 67 51 63 41 29 39 26 31 1567

Patents By Year of Application: 990 67 74 65 52 52 60 72 45 40 25 20 4 1 0 1567

UNITED STATES OF AMERICA, DEPARTMENT OF THE INTERIOR

Patents By Year of Grant: 398 14 17 8 3 5 7 5 12 7 11 9 1 7 1 505

Patents By Year of Application: 424 12 3 5 10 7 8 17 5 8 3 2 1 0 0 505

UNITED STATES OF AMERICA, DEPARTMENT OF COMMERCE

Patents By Year of Grant: 198 26 24 18 15 21 21 21 20 12 9 4 5 3 5 402

Patents By Year of Application: 254 25 12 18 24 16 19 14 12 2 2 3 0 0 1 402

UNITED STATES OF AMERICA, DIRECTOR NATIONAL SECURITY AGENCY

Patents By Year of Grant: 49 3 3 1 8 7 17 11 10 15 10 9 17 12 19 191

Patents By Year of Application: 60 3 3 14 11 15 17 12 15 4 18 15 4 0 0 191

UNITED STATES OF AMERICA, ENVIRONMENTAL PROTECTION AGENCY

Patents By Year of Grant: 73 5 9 7 3 4 9 12 6 8 8 6 12 10 8 180

Patents By Year of Application: 85 12 2 8 2 10 8 11 7 16 8 7 2 2 0 180

---- 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
UNITED STATES OF AMERICA, TENNESSEE VALLEY AUTHORITY																
Patents By Year of Grant:	125	8	3	3	3	7	2	2	1	1	2	0	1	1	0	159
Patents By Year of Application:	134	4	5	4	4	2	2	0	2	0	1	0	1	0	0	159
UNITED STATES OF AMERICA, POSTAL SERVICE																
Patents By Year of Grant:	7	0	1	1	0	0	0	2	1	4	2	13	14	19	20	84
Patents By Year of Application:	8	0	1	0	0	2	8	10	15	14	14	8	4	0	0	84
UNITED STATES OF AMERICA																
Patents By Year of Grant:	59	1	0	0	1	0	0	1	0	0	0	0	1	1	0	64
Patents By Year of Application:	60	1	0	1	0	0	0	0	0	1	1	0	0	0	0	64
UNITED STATES OF AMERICA, DEPARTMENT OF TRANSPORTATION																
Patents By Year of Grant:	30	0	2	2	3	2	1	0	6	0	2	1	0	0	0	49
Patents By Year of Application:	31	2	3	5	2	0	4	1	1	0	0	0	0	0	0	49
UNITED STATES OF AMERICA, DEPARTMENT OF VETERANS AFFAIRS																
Patents By Year of Grant:	10	0	0	0	0	0	0	1	2	4	1	7	3	5	7	40
Patents By Year of Application:	10	0	0	1	0	1	4	6	4	4	5	3	2	0	0	40
UNITED STATES OF AMERICA, FEDERAL COMMUNICATIONS COMMISSION																
Patents By Year of Grant:	15	0	0	0	0	1	0	1	0	0	0	0	0	0	0	17
Patents By Year of Application:	15	0	0	1	0	1	0	0	0	0	0	0	0	0	0	17
UNITED STATES OF AMERICA, TREASURY																
Patents By Year of Grant:	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	9
Patents By Year of Application:	8	1	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	0	0	0	0	0	1	0	0	1	0	0	4
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4
UNITED STATES OF AMERICA, LIBRARY OF CONGRESS																
Patents By Year of Grant:	2	1	1	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, DEPARTMENT OF STATE																
Patents By Year of Grant:	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	3
Patents By Year of Application:	1	0	0	0	0	1	0	1	0	0	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	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

