## **PROFILE REPORT**

# U.S. (FEDERAL) GOVERNMENT PATENTING

1/1977 - 12/2008



March 2009 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

Page Al- 1

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

							NU	MBER OF	PATENTS								
	 Pre 1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Total	
Total	20751	1083	961	974	1040	1000	960	985	945	891	859	713	815	738	691	33406	
U.S. Origin	20601	1076	956	963	1031	996	953	975	933	881	855	699	801	727	681	33128	
Foreign Origin	150	7	5	11	9	4	7	10	12	10	4	14	14	11	10	278	
GERMANY	15		3	2	3		1	1	4		2	3	1	2	2	39	
UNITED KINGDOM	28				1	1	1	1		1		2	1	1		37	
CANADA	20	2				1	1			2	1	1	2	1		31	
ISRAEL	16	1	1	2				1		1		1	1	1	1	26	
JAPAN	10	2		1	2			1		1			1	3	2	23	
INDIA	19															19	
ITALY	2			2	1		1	2	1		1	1	1			12	
FRANCE	- 5			-	-		2	-	-		-	1	1	1	1	11	
RUSSIAN FEDERATION	-						1	2	5	1		_	_	_	1	10	
KOREA, SOUTH						1	-	-	1	-		4	1	1	-	-*	
GREECE	7					-			-			-	-	-		7	
SWITZERLAND	5					1										6	
AUSTRALIA	4	1				-				1						6	
TURKEY	4	-								-						4	
BRAZIL	-	1		1	1								1			4	
BELGIUM		-		1	-					2			1			4	
TAIWAN	1			1				1		4			-				
KENYA	-			-				1		1					1	3	
FINLAND	1				1			-		-					-	2	
YUGOSLAVIA / SERBIA-M					-							1				2	
CHINA, PEOPLE'S REPUB												T				2	
EGYPT	2															2	
	2															2	
NORWAY SWEDEN	1													1		2	
SINGAPORE	Ŧ								1					T	1	2	
UKRAINE									T				1		1 1		
	-												1		T	2	
TANZANIA	1															1	
JORDAN	_			1												1	
BULGARIA	1															1	
POLAND	1															1	
VENEZUELA	1															1	
NETHERLANDS	1															1	
AUSTRIA													1			1	
THAILAND			_										1			1	
UNITED ARAB EMIRATES			1													1	
Ownership:																	
U.S. Corporations																0	
U.S. Government	20751	1083	961	974	1040	1000	960	985	945	891	859	713	815	738	691	33406	
U.S. Individuals																0	
Foreign Corporations																0	
Foreign Government																0	
Foreign Individuals																0	

#### U.S. (FEDERAL) GOVERNMENT PATENTING REPORT

Page Al- 2

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

	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	99	99	99	99	99	100	99	99	99	99	100	98	98	99	99	99	
Foreign Origin	1	1	1	1	1		1	1	1	1		2	2	1	1	1	
GERMANY																0	
UNITED KINGDOM																0	
CANADA																0	
ISRAEL																0	
JAPAN																0	
INDIA																0	
ITALY																0	
FRANCE																0	
RUSSIAN FEDERATION									1							0	
KOREA, SOUTH												1				0	
GREECE																0	
SWITZERLAND																0	
AUSTRALIA																0	
TURKEY																0	
BRAZIL																0	
BELGIUM																0	
TAIWAN																0	
KENYA																0	
FINLAND																0	
YUGOSLAVIA / SERBIA-M	1															0	
CHINA, PEOPLE'S REPUE																0	
EGYPT																0	
NORWAY																0	
SWEDEN																0	
SINGAPORE																0	
UKRAINE																0	
TANZANIA																0	
JORDAN																0	
BULGARIA																0 0	
POLAND																0	
VENEZUELA																0	
NETHERLANDS																0	
AUSTRIA																0 0	
THAILAND																0	
UNITED ARAB EMIRATES																0	
																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	100	700	200	100	100	100	700	100	100	100	700	100	100	100	700	0	
S.S. Individuals																Ū.	
Foreign Corporations																0	
Foreign Government																0	
Foreign Individuals																0	
TOLOGY INGIVIDUALS																U	

Part A2

Patent Grants as Distributed By Year of Patent Application

Page A2- 1

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

						1	JIMBER (		'ED APPLI	CATTONS							
	Pre 1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Total	
Total	23126	1210	955	987	952	864	1006	1022	954	843	685	512	228	59	3	33406	
U.S. Origin	22957	1200	945	980	946	855	993	1009	944	828	677	510	224	57	3	33128	
Foreign Origin	169	10	10	7	6	9	13	13	10	15	8	2	4	2		278	
GERMANY	19	1	3	1	1		4	1	2	3	2	1	1			39	
UNITED KINGDOM	28		1	1	1	1		1	1	2		1				37	
CANADA	24				1	2	1	3								31	
ISRAEL	18	1	1		1	1		1	2	1						26	
JAPAN	13	1	1	1			1	1		2	1		1	1		23	
INDIA	19															19	
ITALY	4	2		1		1	1	2			1					12	
FRANCE	5	1	1						2	1			1			11	
RUSSIAN FEDERATION					1	2	4	1	1				1			10	
KOREA, SOUTH	_			1			2		1	4						8	
GREECE	7							-								7	
AUSTRALIA	5							1								6	
SWITZERLAND	5	1														6	
TURKEY	4								_							4	
BELGIUM	1	_		1				1	1							4	
BRAZIL	1	1	1			1										4	
TAIWAN	2	_		1							-					3	
KENYA	1	1	1			1					1					3 2	
FINLAND			1														
CHINA, PEOPLE'S REPUE YUGOSLAVIA / SERBIA-M										1						2 2	
SWEDEN	1 1									1	1					2	
EGYPT	1										1					2	
NORWAY	2															2	
SINGAPORE	2				1									1		2	
UKRAINE					1					1	1			1		2	
UNITED ARAB EMIRATES		1								1	1					1	
BULGARIA	1	-														1	
JORDAN	-		1													1	
TANZANIA	1		-													1	
POLAND	1															1	
VENEZUELA	1															1	
THAILAND	_							1								1	
NETHERLANDS	1															1	
AUSTRIA	-										1					1	
Ownership:																	
U.S. Corporations																0	
U.S. Government	23126	1210	955	987	952	864	1006	1022	954	843	685	512	228	59	3	33406	
U.S. Individuals																0	
Foreign Corporations																0	
Foreign Government																0	
Foreign Individuals																0	

#### U.S. (FEDERAL) GOVERNMENT PATENTING REPORT

Page A2- 2

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

	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	99	99	99	99	99	99	99	99	99	98	99	100	98	97	100	99	
Foreign Origin	1	1	1	1	1	1	1	1	1	2	1	100	2	3	100	1	
rorergn orrgrn	-	-	-	-	-	-	-	-	-	-	-		-	5		-	
GERMANY																0	
UNITED KINGDOM																0	
CANADA																0	
ISRAEL																0	
JAPAN														2		0	
INDIA																0	
ITALY																0	
FRANCE																0	
RUSSIAN FEDERATION																0	
KOREA, SOUTH																0	
GREECE																0	
AUSTRALIA																0	
SWITZERLAND																0	
TURKEY																0	
BELGIUM BRAZIL																0 0	
TAIWAN																0	
KENYA																0	
FINLAND																0	
CHINA, PEOPLE'S REPU	в															0	
YUGOSLAVIA / SERBIA-																0	
SWEDEN																0	
EGYPT																0	
NORWAY																0	
SINGAPORE														2		0	
UKRAINE																0	
UNITED ARAB EMIRATES																0	
BULGARIA																0	
JORDAN																0	
TANZANIA																0	
POLAND																0	
VENEZUELA																0	
THAILAND																0	
NETHERLANDS																0	
AUSTRIA																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	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	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

U.S. (FEDERAL) GOVERNMENT PATENTING REPORT

Page B - 1

Organizational Patenting				(Grante	ed: Jan (	01, 1977	- Dec 31	, 2008)	F	Ranked Li	st of Or	ganizati	lons with	1 or	More Pa	tents
	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
	OF ENEDO	137														
UNITED STATES OF AMERICA, DEPARTMENT 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	23	0	4751
rationed Dy rear of Appreacton.	1210	05	00	50	55	10	50	-15	-15	25	15	15	Ū		v	1,51
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 A	ERONAUTIC	S AND SP	ACE ADMI	INISTRATI	ON											
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 & H			100	1 - 0	1.0.4	1 4 0	0.7	100		0.7	110	01	100	100	100	0245
Patents By Year of Grant:	741 1179	104 235	123 73	152	174 78	142 106	97	103	92 114	87 78	118	81	122	100	109 0	2345
Patents By Year of Application:	11/9	235	73	106	/8	100	131	157	114	/8	43	26	15	4	U	2345
UNITED STATES OF AMERICA, DEPARTMENT	OF AGRIC	TILTURE														
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 I	NTERIOR														
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													_			
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
וואודיידיה פייאיידים אודים אודים אידיים א		<b>POITD T TV</b>	ACENCY													
UNITED STATES OF AMERICA, DIRECTOR N Patents By Year of Grant:	ATIONAL S 49	ECURITY 3	AGENCY 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
rationed Dy rear of Appreacton.	00	5	5	11		15	1,	14	15	7	10	15		Ū	v	
UNITED STATES OF AMERICA, ENVIRONMEN	TAL PROTE	CTION AG	ENCY													
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

U.S. (FEDERAL) GOVERNMENT PATENTING REPORT

Page B - 2

Organizational Patenting				(Grante	d: Jan (	1, 1977	- Dec 31	, 2008)	R	anked Li	st of Or	ganizati	ons with	1 or	More Pat	cents
	Pre															
	1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	TOTAL
UNITED STATES OF AMERICA, TENNESSEE V	AT.T.EY AU	THORITY														
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 SERV	/ICE															
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				-	-	•	-	•	-	•	•	_	•	•	•	10
Patents By Year of Grant:	30	0	2	2 5	3 2	2	1	0 1	6 1	0	2 0	1	0	0 0	0	49 49
Patents By Year of Application:	31	2	3	5	2	0	4	T	T	U	0	0	0	0	0	49
UNITED STATES OF AMERICA, DEPARTMENT	OF VETER	ANG AFFA	רספ													
Patents By Year of Grant:	10 10	ANS AFFA. 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	,	40
		·	·	-	·	-	-	·	-	-	•	5	-	·	·	
UNITED STATES OF AMERICA, FEDERAL CON	MUNICATI	ONS COMM	ISSION													
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 GR				•				•	•	-	•		-			
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	1 1	0	0	1	0	0	4
Patents By Year of Application:	3	0	U	0	0	U	U	0	U	T	0	U	U	0	U	4
UNITED STATES OF AMERICA, LIBRARY OF	CONGRESS															
Patents By Year of Grant:	CONGRESS 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
	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	-
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

----

U.S. (FEDERAL) GOVERNMENT PATENTING REPORT

Page B - 3

Organizational Patenting				(Grante	ed: Jan 0	1, 1977	- Dec 31	, 2008)	R	anked Li	st of Or	ganizati	ons with	1 or	More Pat	ents	-
	Pre																
	1995	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	TOTAL	
FEDERAL RESERVE BANK OF MINNEAPOLIS																	
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	ů 0	0	ů 0	0	0	õ	0	1	ů 0	ů 0	0	0	0	1	
······································																	
The White House Commission on the Nat	ional Mo	oment of	Remembra	ance													
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	1	0	0	1	
UNITED STATES OF AMERICA, CENTRAL INT																	
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	
UNITED STATES OF AMERICA, FEDERAL BUR Patents By Year of Grant:		INVESTIGA 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	
facence by fear of Application.	0	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	-	Ū	Ū	Ū	Ū	Ū	-	
UNITED STATES OF AMERICA, FEDERAL RES	ERVE BAN	NK OF ATI	LANTA														
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	1	0	0	0	0	0	1	
UNITED STATES OF AMERICA, FEDERAL RES	ERVE BAN	NK OF BOS	STON														
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	
UNITED STATES OF AMERICA, FEDERAL RES																	
Patents By Year of Grant: Patents By Year of Application:	0	0	0 0	0	0	0	0	0 0	0	0 0	0 0	0	0	1 0	0 0	1 1	
Patents by fear of Application:	U	U	0	U	U	0	U	0	U	U	0	1	U	0	0	Ŧ	
UNITED STATES OF AMERICA, FEDERAL RES	ERVE BAN	WK OF RIG	CHMOND														
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	
UNITED STATES OF AMERICA, FEDERAL TRA	DE COMMI	ISSION															
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	
UNITED STATES OF AMERICA, NATIONAL SC				0	0	0	0	•	•	-	0	•	0	0	0	-	
Patents By Year of Grant:	0	0	0	0	0	0 0	0 1	0 0	0	1 0	0	0	0	0	0 0	1 1	
Patents By Year of Application:	U	U	0	U	U	U	1	U	U	U	U	U	U	U	0	Ŧ	
UNITED STATES OF AMERICA, SMALL BUSIN	ESS ADMI	INISTRAT	ION														
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	
Other Organizations (0)																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	