

REISSUE PATENTS
JANUARY 1977 -- DECEMBER 2007



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

Reissue Patents Report 1/1977 - 12/2007 Explanation of Data

This Patent Technology Monitoring Team (PTMT) Report profiles patent activity for U.S. reissue patents (hereafter referred to as patents) granted between **1977 and December 2007**. 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 1994" column corresponds to the period **January 1, 1977 through December 31, 1993**.

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 34% 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 2007**. 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 years such as 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 national and international organizations (i.e., corporations, universities, government agencies) which have received 5 or more U.S. reissue patents since 1977. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented application was filed. Information on patent ownership reflects ownership at the time of patent grant. 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 organizational name.

* As of **December 31, 2007**, UTILITY patent application data (most issued patent documents are utility patents) were approximately 98% complete for patent applications filed in 2000, 91% complete for applications filed in 2001, 86% complete for applications filed in 2002, 69% complete for applications filed in 2003, 46% complete for applications filed in 2004, and 21% complete for 2005 filings. They are essentially complete for applications filed prior to 2000. Currently, completion percentages restricted to reissue 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, 2007) ----

	NUMBER OF PATENTS															
	Pre 1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Total
Total	5333	317	316	279	277	298	448	524	480	460	421	298	245	519	508	10723
U.S. Origin	3721	194	208	175	173	195	274	331	266	262	222	159	136	295	280	6891
Foreign Origin	1612	123	108	104	104	103	174	193	214	198	199	139	109	224	228	3832
JAPAN	605	59	61	49	51	48	86	112	98	87	98	67	55	115	106	1697
GERMANY	275	18	9	9	10	15	20	13	23	23	21	12	10	13	20	491
UNITED KINGDOM	202	11	6	11	8	8	8	13	11	18	8	8	4	10	12	338
FRANCE	99	7	3	9	5	7	14	7	15	10	18	12	7	7	8	228
CANADA	83	9	5	5	4	7	8	10	11	11	16	8	3	16	12	208
ITALY	37	2	4	4	13	4	14	4	15	5	6	3	1	3	9	124
NETHERLANDS	62		4	3	2	1	4	1	4	3	4	3	3	5		99
SWEDEN	54	1	1	1	3	2	4		6	7	2	1	1	4	10	97
SWITZERLAND	56	2	3	5		1	1	4	4	2		3		5	3	89
SOUTH KOREA	1		1	2	1		6	7	6	11	2	5	6	12	12	72
AUSTRALIA	24	4	1	1		2	1	1	4	3	2			7	5	55
ISRAEL	13		1	2		4	1	4	2	4	2	1	5	5	9	53
TAIWAN	5	2	1		1			4	5	5	8	1	4	5	8	49
DENMARK	18	2			1	2	4	2	2		2	2	1	3	3	42
AUSTRIA	12	1	1			2	1	2	2	2	4	1	1		1	30
BELGIUM	15							2		3	3			1	1	25
FINLAND	7		2		1		1	1		1	2			2	1	19
NORWAY	14						1		1				1	1	1	19
SPAIN	1	2	1		1			1				3	2	2	2	15
NEW ZEALAND	7			1				1	3					1	2	15
CHINA, HONG KONG S.A.R	2							1	1		1	1	2			8
SINGAPORE									1				2	2	2	7
SOUTH AFRICA	4							1		1						6
RUSSIAN FEDERATION			1	1				1				1			1	5
INDONESIA	1		2	1												4
LUXEMBOURG	2									1				1		4
MEXICO	1				1							1				3
BRAZIL	2				1											3
ARGENTINA		2												1		3
GRECE	1													1		2
IRELAND	1				1											2
THAILAND	1														1	2
HUNGARY	2															2
LIECHTENSTEIN	1		1													2
CZECHOSLOVAKIA	2															2
ICELAND												1		1		2
Others (10)	2	1						1		1		3	1	1		10
Ownership:																
U.S. Corporations	3053	152	164	134	146	163	214	265	234	211	198	136	114	254	242	5680
U.S. Government	16	1	1		1		1	5	3			1	1	2	1	33
U.S. Individuals	758	45	49	46	33	39	66	64	43	58	32	24	25	38	45	1365
Foreign Corporations	1298	110	96	91	92	93	158	180	180	179	179	130	99	212	211	3308
Foreign Government	19	1		1		1			1	1	1				2	27
Foreign Individuals	189	8	6	7	5	2	9	10	19	11	11	7	6	13	7	310

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 2007) ----

	PERCENT OF PATENTS															
	Pre 1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	70	61	66	63	62	65	61	63	55	57	53	53	56	57	55	64
Foreign Origin	30	39	34	37	38	35	39	37	45	43	47	47	44	43	45	36
JAPAN	11	19	19	18	18	16	19	21	20	19	23	22	22	22	21	16
GERMANY	5	6	3	3	4	5	4	2	5	5	5	4	4	3	4	5
UNITED KINGDOM	4	3	2	4	3	3	2	2	2	4	2	3	2	2	2	3
FRANCE	2	2	1	3	2	2	3	1	3	2	4	4	3	1	2	2
CANADA	2	3	2	2	1	2	2	2	2	2	4	3	1	3	2	2
ITALY	1	1	1	1	5	1	3	1	3	1	1	1	1	1	2	1
NETHERLANDS	1		1	1	1		1		1	1	1	1	1	1		1
SWEDEN	1				1	1	1		1	2				1	2	1
SWITZERLAND	1	1	1	2				1	1			1		1	1	1
SOUTH KOREA				1			1	1	1	2		2	2	2	2	1
AUSTRALIA		1				1			1	1				1	1	1
ISRAEL				1		1		1		1			2	1	2	0
TAIWAN		1						1	1	1	2		2	1	2	0
DENMARK		1				1	1					1		1	1	0
AUSTRIA						1					1					0
BELGIUM										1	1					0
FINLAND			1													0
NORWAY																0
SPAIN		1										1	1			0
NEW ZEALAND								1								0
CHINA,HONG KONG S.A.R													1			0
SINGAPORE													1			0
SOUTH AFRICA																0
RUSSIAN FEDERATION																0
INDONESIA			1													0
LUXEMBOURG																0
MEXICO																0
BRAZIL																0
ARGENTINA		1														0
GRECE																0
IRELAND																0
THAILAND																0
HUNGARY																0
LIECHTENSTEIN																0
CZECHOSLOVAKIA																0
ICELAND																0
Others (10)												1				0
Ownership:																
U.S. Corporations	57	48	52	48	53	55	48	51	49	46	47	46	47	49	48	53
U.S. Government								1	1							0
U.S. Individuals	14	14	16	16	12	13	15	12	9	13	8	8	10	7	9	13
Foreign Corporations	24	35	30	33	33	31	35	34	38	39	43	44	40	41	42	31
Foreign Government																0
Foreign Individuals	4	3	2	3	2	1	2	2	4	2	3	2	2	3	1	3

Part A2

Patent Grants As Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2007) ----

	NUMBER OF PATENTED APPLICATIONS															Total
	Pre 1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
Total	6160	423	437	479	441	455	488	511	437	388	249	166	73	16	10723	
U.S. Origin	4227	259	256	306	253	267	282	281	248	210	153	96	47	6	6891	
Foreign Origin	1933	164	181	173	188	188	206	230	189	178	96	70	26	10	3832	
JAPAN	763	77	88	88	93	93	105	109	92	101	50	30	7	1	1697	
GERMANY	311	18	19	18	23	11	23	20	20	10	9	5	4		491	
UNITED KINGDOM	227	11	14	14	9	13	10	11	10	12	3	4			338	
FRANCE	115	11	17	9	5	10	10	17	18	7	4	3	2		228	
CANADA	102	7	7	7	8	13	10	14	12	12	7	5	4		208	
ITALY	48	12	17	5	11	5	10	5	2	2	1	1	2	3	124	
NETHERLANDS	70	3	4	4	3	2	4	3	3	2	1				99	
SWEDEN	58	2	5	7	6	3	5	2	3	1		1		4	97	
SWITZERLAND	64	5	1	2	1	3	3	2	1	2	3	1	1		89	
SOUTH KOREA	4	3		4	6	10	10	11	5	9	4	4	1	1	72	
AUSTRALIA	31	2	1	4	3		4	4		3	1	2			55	
ISRAEL	16	1	2	4	4	3	1	10	2	2	3	2	3		53	
TAIWAN	9			1	1	5	6	8	5	5	4	5			49	
DENMARK	22	3	2	3	3	3			3	1		2			42	
AUSTRIA	14			3	1	2	1	4	2	2		1			30	
BELGIUM	15		1		2	2		2	3						25	
NORWAY	14		1			2				1		1			19	
FINLAND	10	2			1	1	1	1	2			1			19	
SPAIN	3	1	1		1	1	3			3	2				15	
NEW ZEALAND	8	2			2			1				1	1		15	
CHINA,HONG KONG S.A.R	2					2		2		1	1				8	
SINGAPORE					2	1		3					1		7	
SOUTH AFRICA	4				1	1									6	
RUSSIAN FEDERATION	1	1			1	1			1						5	
INDONESIA	3	1													4	
LUXEMBOURG	2								1		1				4	
ARGENTINA	2								1						3	
MEXICO	1	1									1				3	
BRAZIL	2		1												3	
IRELAND	2														2	
CZECHOSLOVAKIA	2														2	
THAILAND	1													1	2	
LIECHTENSTEIN	1	1													2	
GREECE	1											1			2	
HUNGARY	2														2	
ICELAND									2						2	
Others (10)	3				1	1		1	1	2	1				10	
Ownership:																
U.S. Corporations	3462	213	210	247	217	217	243	229	206	172	124	91	40	9	5680	
U.S. Government	20		2	3	1	1	1	1		1	1	2			33	
U.S. Individuals	868	56	51	65	40	53	49	55	44	39	25	10	10		1365	
Foreign Corporations	1581	143	165	154	174	173	182	213	178	165	95	58	21	6	3308	
Foreign Government	20		2	2			1		1	1					27	
Foreign Individuals	209	11	7	8	9	11	12	13	8	10	4	5	2	1	310	

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 2007) ----

	PERCENT OF PATENTED APPLICATIONS															
	Pre 1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	69	61	59	64	57	59	58	55	57	54	61	58	64	38		64
Foreign Origin	31	39	41	36	43	41	42	45	43	46	39	42	36	63		36
JAPAN	12	18	20	18	21	20	22	21	21	26	20	18	10	6		16
GERMANY	5	4	4	4	5	2	5	4	5	3	4	3	5			5
UNITED KINGDOM	4	3	3	3	2	3	2	2	2	3	1	2				3
FRANCE	2	3	4	2	1	2	2	3	4	2	2	2	3			2
CANADA	2	2	2	1	2	3	2	3	3	3	3	3	5			2
ITALY	1	3	4	1	2	1	2	1	1	1		1	3	19		1
NETHERLANDS	1	1	1	1	1	1	1	1	1	1						1
SWEDEN	1		1	1	1	1	1		1			1		25		1
SWITZERLAND	1	1				1	1			1	1	1	1			1
SOUTH KOREA		1		1	1	2	2	2	1	2	2	2	1	6		1
AUSTRALIA	1			1	1	1	1	1	1	1		1				1
ISRAEL				1	1	1	2	2	1	1	1	1	4			0
TAIWAN					1	1	2	1	1	1	2	3				0
DENMARK		1		1	1	1			1			1				0
AUSTRIA				1				1		1		1				0
BELGIUM									1							0
NORWAY												1				0
FINLAND												1				0
SPAIN							1			1	1					0
NEW ZEALAND												1	1			0
CHINA,HONG KONG S.A.R																0
SINGAPORE								1					1			0
SOUTH AFRICA																0
RUSSIAN FEDERATION																0
INDONESIA																0
LUXEMBOURG																0
ARGENTINA																0
MEXICO																0
BRAZIL																0
IRELAND																0
CZECHOSLOVAKIA																0
THAILAND														6		0
LIECHTENSTEIN																0
GREECE												1				0
HUNGARY																0
ICELAND																0
Others (10)										1						0
Ownership:																
U.S. Corporations	56	50	48	52	49	48	50	45	47	44	50	55	55	56		53
U.S. Government				1								1				0
U.S. Individuals	14	13	12	14	9	12	10	11	10	10	10	6	14			13
Foreign Corporations	26	34	38	32	39	38	37	42	41	43	38	35	29	38		31
Foreign Government																0
Foreign Individuals	3	3	2	2	2	2	2	3	2	3	2	3	3	6		3

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, 2007) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre																
	1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	TOTAL	
HITACHI, LTD																	
Patents By Year of Grant:	72	4	4	3	4	7	0	7	7	6	8	4	1	8	11	146	
Patents By Year of Application:	90	2	6	8	4	3	6	7	5	11	1	3	0	0	0	146	
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.																	
Patents By Year of Grant:	12	1	2	1	3	2	4	7	9	5	4	9	12	26	23	120	
Patents By Year of Application:	17	5	3	5	5	8	7	19	17	9	21	4	0	0	0	120	
GENERAL ELECTRIC COMPANY																	
Patents By Year of Grant:	62	2	3	2	2	1	2	2	0	1	0	1	0	3	2	83	
Patents By Year of Application:	65	4	3	0	2	2	0	2	0	1	3	1	0	0	0	83	
INTERNATIONAL BUSINESS MACHINES CORPORATION																	
Patents By Year of Grant:	29	2	1	3	1	0	6	5	5	2	5	1	1	2	1	64	
Patents By Year of Application:	36	3	5	6	2	2	3	3	1	1	1	1	0	0	0	64	
SONY CORPORATION																	
Patents By Year of Grant:	15	3	1	2	1	2	1	7	6	4	5	7	3	1	5	63	
Patents By Year of Application:	21	5	3	3	5	2	6	8	3	5	0	2	0	0	0	63	
AT&T CORP.																	
Patents By Year of Grant:	53	4	2	0	0	0	0	1	0	0	0	0	0	0	0	60	
Patents By Year of Application:	59	0	0	1	0	0	0	0	0	0	0	0	0	0	0	60	
MITSUBISHI DENKI KABUSHIKI KAISHA																	
Patents By Year of Grant:	15	6	2	3	4	1	7	9	0	2	2	2	2	2	1	58	
Patents By Year of Application:	28	1	6	6	5	5	1	2	2	1	1	0	0	0	0	58	
MINNESOTA MINING AND MANUFACTURING COMPANY																	
Patents By Year of Grant:	30	3	7	2	5	1	4	2	1	0	1	0	0	0	0	56	
Patents By Year of Application:	42	4	2	3	3	1	1	0	0	0	0	0	0	0	0	56	
EASTMAN KODAK COMPANY																	
Patents By Year of Grant:	37	1	1	1	0	5	0	1	0	1	2	1	0	1	2	53	
Patents By Year of Application:	38	3	0	3	3	0	1	0	3	0	0	1	0	1	0	53	
TOSHIBA CORPORATION																	
Patents By Year of Grant:	5	2	3	1	1	5	4	11	4	4	2	1	2	4	2	51	
Patents By Year of Application:	11	2	7	2	6	9	4	2	5	2	1	0	0	0	0	51	
E. I. DU PONT DE NEMOURS AND COMPANY																	
Patents By Year of Grant:	37	2	0	1	0	2	1	1	3	1	1	0	0	1	0	50	
Patents By Year of Application:	40	1	0	1	1	2	2	1	0	2	0	0	0	0	0	50	

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2007) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	TOTAL
CANON KABUSHIKI KAISHA																
Patents By Year of Grant:	22	1	2	4	1	0	3	4	0	2	2	1	4	1	2	49
Patents By Year of Application:	29	0	4	1	4	2	1	2	3	2	0	1	0	0	0	49
MICRON TECHNOLOGY, INC.																
Patents By Year of Grant:	1	1	0	0	1	8	8	8	3	3	3	0	3	6	3	48
Patents By Year of Application:	2	0	9	25	0	0	1	0	5	6	0	0	0	0	0	48
SEIKO EPSON CORPORATION																
Patents By Year of Grant:	4	0	3	2	0	1	2	4	1	6	10	2	2	5	5	47
Patents By Year of Application:	7	3	1	4	3	4	0	3	13	7	1	1	0	0	0	47
BAYER AKTIENGESELLSCHAFT																
Patents By Year of Grant:	30	3	1	0	0	1	1	2	2	1	0	1	0	1	1	44
Patents By Year of Application:	34	0	2	0	2	0	2	1	0	1	2	0	0	0	0	44
NIKON CORPORATION																
Patents By Year of Grant:	7	1	0	0	2	3	2	4	5	4	5	5	1	3	2	44
Patents By Year of Application:	8	2	4	4	2	3	8	8	5	0	0	0	0	0	0	44
SAMSUNG ELECTRONICS CO., LTD.																
Patents By Year of Grant:	1	0	1	1	0	0	4	2	0	9	0	5	3	7	7	40
Patents By Year of Application:	4	1	0	1	3	2	5	10	5	5	1	3	0	0	0	40
FUJITSU LIMITED																
Patents By Year of Grant:	8	0	1	0	0	2	4	5	7	3	3	1	2	1	2	39
Patents By Year of Application:	9	0	1	7	7	1	10	2	1	0	1	0	0	0	0	39
RICOH COMPANY, LTD.																
Patents By Year of Grant:	9	0	1	0	2	0	3	2	6	3	3	1	1	1	6	38
Patents By Year of Application:	10	3	0	4	3	2	6	2	1	2	3	2	0	0	0	38
CATERPILLAR INC.																
Patents By Year of Grant:	29	0	0	1	0	0	1	1	1	1	0	0	1	0	1	36
Patents By Year of Application:	29	1	0	1	1	1	1	0	1	1	0	0	0	0	0	36
U.S. PHILIPS CORPORATION																
Patents By Year of Grant:	26	1	1	0	2	0	1	0	1	1	0	0	0	0	0	33
Patents By Year of Application:	29	1	2	0	0	0	1	0	0	0	0	0	0	0	0	33
EATON CORPORATION																
Patents By Year of Grant:	23	1	0	0	0	1	0	2	1	1	0	1	0	0	1	31
Patents By Year of Application:	25	0	0	2	1	0	0	2	0	0	1	0	0	0	0	31

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2007) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre																
	1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	TOTAL	
RCA CORPORATION																	
Patents By Year of Grant:	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Patents By Year of Application:	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
XEROX CORPORATION																	
Patents By Year of Grant:	21	0	0	0	2	1	0	0	1	0	1	1	1	1	1	1	30
Patents By Year of Application:	21	0	3	0	0	0	1	0	3	2	0	0	0	0	0	0	30
ASAHI KOGAKU KOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	8	1	1	5	2	1	5	6	0	0	0	0	0	0	0	0	29
Patents By Year of Application:	10	6	9	4	0	0	0	0	0	0	0	0	0	0	0	0	29
DOW CHEMICAL COMPANY																	
Patents By Year of Grant:	23	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	28
Patents By Year of Application:	27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
ELI LILLY AND COMPANY																	
Patents By Year of Grant:	18	0	1	0	0	0	0	0	0	2	1	0	0	5	0	0	27
Patents By Year of Application:	19	0	0	0	0	0	3	1	0	1	3	0	0	0	0	0	27
NEC CORPORATION																	
Patents By Year of Grant:	12	0	0	0	0	2	2	1	2	2	0	2	0	1	2	0	26
Patents By Year of Application:	12	1	1	0	2	1	3	2	1	2	1	0	0	0	0	0	26
L'OREAL S.A.																	
Patents By Year of Grant:	4	0	0	0	0	0	0	0	1	2	10	3	3	1	1	0	25
Patents By Year of Application:	4	0	0	0	1	0	3	4	12	0	0	0	1	0	0	0	25
OLYMPUS OPTICAL CO., LTD.																	
Patents By Year of Grant:	7	1	1	0	1	0	2	1	3	2	2	1	2	0	2	0	25
Patents By Year of Application:	10	0	1	0	1	1	4	2	1	2	3	0	0	0	0	0	25
TEXAS INSTRUMENTS, INCORPORATED																	
Patents By Year of Grant:	13	1	2	2	0	0	1	3	0	0	1	0	0	0	0	1	24
Patents By Year of Application:	17	2	2	0	0	1	0	1	0	0	1	0	0	0	0	0	24
MOTOROLA, INC.																	
Patents By Year of Grant:	17	1	0	2	0	0	0	2	0	1	0	0	0	0	0	0	23
Patents By Year of Application:	19	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	23
SIEMENS AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	9	0	1	0	0	0	3	0	0	2	5	2	0	1	0	0	23
Patents By Year of Application:	10	0	1	1	1	0	0	1	6	3	0	0	0	0	0	0	23

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2007) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre																
	1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	TOTAL	
YAMAHA CORPORATION																	
Patents By Year of Grant:	3	1	1	1	0	1	0	1	4	2	2	2	0	0	1	19	
Patents By Year of Application:	6	1	0	1	2	2	3	3	1	0	0	0	0	0	0	19	
INTEL CORPORATION																	
Patents By Year of Grant:	1	0	0	0	0	0	2	1	1	0	1	3	1	4	4	18	
Patents By Year of Application:	1	0	2	2	2	1	0	2	2	2	3	0	1	0	0	18	
LUCENT TECHNOLOGIES INC.																	
Patents By Year of Grant:	0	0	0	0	1	1	1	5	4	3	0	1	1	1	0	18	
Patents By Year of Application:	0	3	2	3	1	2	3	1	1	2	0	0	0	0	0	18	
UNISYS CORPORATION																	
Patents By Year of Grant:	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	
Patents By Year of Application:	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	
3M INNOVATIVE PROPERTIES COMPANY																	
Patents By Year of Grant:	0	0	0	0	0	0	0	2	3	2	5	0	2	1	2	17	
Patents By Year of Application:	1	0	0	0	0	3	6	4	1	2	0	0	0	0	0	17	
AMERICAN CYANAMID COMPANY																	
Patents By Year of Grant:	14	0	0	0	0	1	1	0	0	1	0	0	0	0	0	17	
Patents By Year of Application:	14	0	0	2	0	0	0	1	0	0	0	0	0	0	0	17	
APPLE COMPUTER, INC.																	
Patents By Year of Grant:	2	0	0	0	0	0	1	0	0	0	1	5	2	2	4	17	
Patents By Year of Application:	2	0	1	0	0	0	1	1	6	3	2	1	0	0	0	17	
CORNING INCORPORATED																	
Patents By Year of Grant:	3	2	1	1	0	0	0	1	0	2	2	1	1	2	1	17	
Patents By Year of Application:	6	1	0	1	1	1	2	0	2	2	1	0	0	0	0	17	
HONEYWELL INC.																	
Patents By Year of Grant:	10	0	1	1	1	0	1	3	0	0	0	0	0	0	0	17	
Patents By Year of Application:	10	1	1	3	2	0	0	0	0	0	0	0	0	0	0	17	
IMPERIAL CHEMICAL INDUSTRIES PLC																	
Patents By Year of Grant:	14	1	0	1	0	0	1	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	
SHARP KABUSHIKI KAISHA (SHARP CORPORATION)																	
Patents By Year of Grant:	5	0	0	1	2	0	0	0	3	2	1	0	1	1	1	17	
Patents By Year of Application:	7	1	0	0	0	2	1	4	0	1	1	0	0	0	0	17	

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2007) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	TOTAL
UNION CARBIDE CORPORATION																
Patents By Year of Grant:	17	0	0	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
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD.																
Patents By Year of Grant:	8	2	2	1	1	0	0	0	2	1	0	0	0	0	0	17
Patents By Year of Application:	11	3	1	0	0	2	0	0	0	0	0	0	0	0	0	17
AMP INCORPORATED																
Patents By Year of Grant:	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Patents By Year of Application:	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
BAXTER INTERNATIONAL INC.																
Patents By Year of Grant:	13	1	0	0	0	1	0	0	1	0	0	0	0	0	0	16
Patents By Year of Application:	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	16
DOW CORNING CORPORATION																
Patents By Year of Grant:	10	1	1	1	1	0	0	1	0	0	1	0	0	0	0	16
Patents By Year of Application:	13	1	0	1	0	0	0	0	1	0	0	0	0	0	0	16
FUJI PHOTO FILM CO., LTD																
Patents By Year of Grant:	9	0	1	0	0	1	1	0	1	0	2	0	0	1	0	16
Patents By Year of Application:	11	0	1	0	1	0	0	2	0	1	0	0	0	0	0	16
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)																
Patents By Year of Grant:	10	1	1	0	0	0	1	0	0	1	0	0	1	1	0	16
Patents By Year of Application:	11	1	0	2	0	0	0	0	1	0	1	0	0	0	0	16
LG ELECTRONICS INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	3	4	0	0	0	2	3	4	16
Patents By Year of Application:	0	0	0	0	0	7	3	0	1	0	2	1	1	1	0	16
NIPPON GAKKI SEIZO KABUSHIKI KAISHA																
Patents By Year of Grant:	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Patents By Year of Application:	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
NISSAN MOTOR COMPANY, LIMITED																
Patents By Year of Grant:	10	1	0	1	1	0	0	0	1	1	1	0	0	0	0	16
Patents By Year of Application:	12	1	0	0	0	0	0	3	0	0	0	0	0	0	0	16
STMICROELECTRONICS S.R.L.																
Patents By Year of Grant:	0	0	0	0	0	0	2	1	5	2	3	3	0	0	0	16
Patents By Year of Application:	1	1	5	1	1	0	5	1	1	0	0	0	0	0	0	16

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2007) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre															TOTAL
	1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
KONICA CORPORATION																
Patents By Year of Grant:	4	1	0	0	1	0	2	1	0	1	0	0	0	1	0	11
Patents By Year of Application:	6	0	3	1	0	0	0	0	0	0	1	0	0	0	0	11
OLIN CORPORATION																
Patents By Year of Grant:	10	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11
Patents By Year of Application:	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11
SHELL OIL COMPANY																
Patents By Year of Grant:	8	0	0	1	1	0	0	1	0	0	0	0	0	0	0	11
Patents By Year of Application:	8	0	2	0	1	0	0	0	0	0	0	0	0	0	0	11
SUN MICROSYSTEMS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	1	1	0	0	4	2	0	2	1	11
Patents By Year of Application:	0	0	0	2	0	1	1	2	2	1	1	1	0	0	0	11
UNIVERSITY OF CALIFORNIA, THE REGENTS OF																
Patents By Year of Grant:	5	1	0	0	1	0	0	0	0	1	1	0	0	1	1	11
Patents By Year of Application:	7	0	0	0	0	0	1	0	2	0	0	1	0	0	0	11
UPJOHN COMPANY																
Patents By Year of Grant:	10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	11
Patents By Year of Application:	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
AMOCO CORPORATION																
Patents By Year of Grant:	9	0	0	0	1	0	0	0	0	0	0	0	0	0	0	10
Patents By Year of Application:	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	10
ASAHI KASEI KOGYO KABUSHIKI KAISHA																
Patents By Year of Grant:	6	0	1	0	1	0	0	0	0	0	2	0	0	0	0	10
Patents By Year of Application:	7	1	0	0	0	0	0	0	1	1	0	0	0	0	0	10
BETHLEHEM STEEL CORPORATION																
Patents By Year of Grant:	8	0	0	0	1	0	0	0	0	1	0	0	0	0	0	10
Patents By Year of Application:	8	1	0	0	0	0	1	0	0	0	0	0	0	0	0	10
BRISTOL-MYERS SQUIBB COMPANY																
Patents By Year of Grant:	5	0	0	0	1	0	1	0	0	0	0	0	0	2	1	10
Patents By Year of Application:	6	1	0	0	0	0	0	0	0	0	0	1	2	0	0	10
EBARA CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	0	2	0	3	2	1	10
Patents By Year of Application:	0	0	0	0	2	1	1	2	1	2	0	1	0	0	0	10

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2007) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre																
	1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	TOTAL	
BLACK & DECKER INC.																	
Patents By Year of Grant:	1	0	0	0	0	0	1	0	2	1	0	0	0	1	0	6	
Patents By Year of Application:	2	0	0	0	0	1	2	0	0	0	1	0	0	0	0	6	
CASCHEM, INC.																	
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
CPC INTERNATIONAL INC.																	
Patents By Year of Grant:	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6	
CUMMINS ENGINE CO., INC.																	
Patents By Year of Grant:	2	0	0	0	0	1	1	0	1	1	0	0	0	0	0	6	
Patents By Year of Application:	2	0	0	2	0	0	0	2	0	0	0	0	0	0	0	6	
DAICEL CHEMICAL INDUSTRIES LTD.																	
Patents By Year of Grant:	2	0	0	0	0	1	0	0	0	0	0	2	0	0	1	6	
Patents By Year of Application:	2	0	0	0	2	1	0	0	0	1	0	0	0	0	0	6	
FORD MOTOR COMPANY																	
Patents By Year of Grant:	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
GENERAL SIGNAL CORPORATION																	
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
HALLIBURTON ENERGY SERVICES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	3	0	2	0	6	
Patents By Year of Application:	0	0	0	0	1	0	0	0	5	0	0	0	0	0	0	6	
HERCULES INCORPORATED																	
Patents By Year of Grant:	4	0	1	0	1	0	0	0	0	0	0	0	0	0	0	6	
Patents By Year of Application:	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6	
IDEMITSU KOSAN COMPANY LIMITED																	
Patents By Year of Grant:	2	0	0	1	0	0	0	1	1	0	0	0	0	1	0	6	
Patents By Year of Application:	3	0	0	0	0	1	1	1	0	0	0	0	0	0	0	6	
INFINEON TECHNOLOGIES AG																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	2	0	0	2	1	6	
Patents By Year of Application:	0	0	0	0	0	0	0	0	3	1	2	0	0	0	0	6	

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2007) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	TOTAL
SCHERING AKTIENGESELLSCHAFT																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	2	1	0	0	0	2	6
Patents By Year of Application:	1	0	0	0	0	0	0	3	0	1	1	0	0	0	0	6
SEAGATE TECHNOLOGY, INCORPORATED																
Patents By Year of Grant:	2	0	0	1	0	1	0	2	0	0	0	0	0	0	0	6
Patents By Year of Application:	2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	6
SGS-THOMSON MICROELECTRONICS, INC.																
Patents By Year of Grant:	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	6
Patents By Year of Application:	2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	6
SHIMANO INDUSTRIAL COMPANY, LIMITED																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
SINGER COMPANY																
Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
SMITH INTERNATIONAL INC.																
Patents By Year of Grant:	2	0	0	0	0	0	2	1	1	0	0	0	0	0	0	6
Patents By Year of Application:	2	0	0	3	0	1	0	0	0	0	0	0	0	0	0	6
STMICROELECTRONICS S.A.																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	1	0	1	2	1	0	0	6
Patents By Year of Application:	0	1	0	1	1	1	0	0	1	1	0	0	0	0	0	6
SUMITOMO ELECTRIC INDUSTRIES CO., LTD.																
Patents By Year of Grant:	1	0	0	1	0	0	0	0	0	1	1	0	1	0	1	6
Patents By Year of Application:	1	1	0	0	0	1	0	1	1	1	0	0	0	0	0	6
TOKYO ELECTRON LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	1	2	1	0	0	0	0	1	1	6
Patents By Year of Application:	0	0	0	1	0	3	1	1	0	0	0	0	0	0	0	6
TORAY INDUSTRIES INC.																
Patents By Year of Grant:	4	0	0	0	0	0	1	0	0	0	0	0	0	1	0	6
Patents By Year of Application:	4	0	0	1	1	0	0	0	0	0	0	0	0	0	0	6
TOYO BOSEKI KABUSHIKI KAISHA																
Patents By Year of Grant:	0	0	0	0	0	1	1	0	0	0	0	0	1	1	2	6
Patents By Year of Application:	0	0	0	0	1	1	2	0	1	0	0	1	0	0	0	6

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	Pre 1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	TOTAL
MITSUI CHEMICALS, INCORPORATED																
Patents By Year of Grant:	0	0	0	0	0	0	3	0	0	1	0	0	0	1	0	5
Patents By Year of Application:	1	0	1	0	1	0	0	1	1	0	0	0	0	0	0	5
MOLINS LIMITED																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
MONSANTO TECHNOLOGY, LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	1	2	1	5
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	1	2	0	0	0	0	5
NEGOTIATED DATA SOLUTIONS LLC																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	5
Patents By Year of Application:	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	5
NIPPON SEIKO KABUSHIKI KAISHA																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
NIPPON THOMPSON CO., LTD.																
Patents By Year of Grant:	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	5
NISSAN CHEMICAL INDUSTRIES, LTD.																
Patents By Year of Grant:	3	1	0	0	0	0	0	0	0	0	1	0	0	0	0	5
Patents By Year of Application:	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5
NORTH AMERICAN PHILIPS CORPORATION																
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	5
Patents By Year of Application:	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5
NORTHERN TELECOM LIMITED																
Patents By Year of Grant:	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5
Patents By Year of Application:	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5
NSK LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	1	1	0	0	1	0	0	0	2	5
Patents By Year of Application:	0	0	0	1	1	0	0	0	2	1	0	0	0	0	0	5
OTIS ELEVATOR COMPANY																
Patents By Year of Grant:	2	0	0	0	0	0	1	0	0	0	0	1	1	0	0	5
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	5

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2007) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre 1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	TOTAL
PIONEER ELECTRONIC CORPORATION																
Patents By Year of Grant:	0	1	0	0	0	0	0	0	0	0	0	2	1	1	0	5
Patents By Year of Application:	1	0	0	0	0	0	0	0	1	3	0	0	0	0	0	5
PPG INDUSTRIES INC.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
RENESAS TECHNOLOGY CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	5
Patents By Year of Application:	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	5
RESEARCH CORPORATION TECHNOLOGIES, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0	5
Patents By Year of Application:	1	0	0	1	0	1	1	0	0	1	0	0	0	0	0	5
ROCKY RESEARCH																
Patents By Year of Grant:	1	1	0	0	0	0	2	1	0	0	0	0	0	0	0	5
Patents By Year of Application:	2	0	0	1	1	1	0	0	0	0	0	0	0	0	0	5
ROLLS-ROYCE PLC																
Patents By Year of Grant:	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5
S. C. JOHNSON + SON, INC.																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	1	0	0	0	1	5
Patents By Year of Application:	3	0	0	0	0	0	0	0	1	0	0	0	0	1	0	5
SAINT-GOBAIN VITRAGE																
Patents By Year of Grant:	0	3	0	0	0	0	0	0	1	0	1	0	0	0	0	5
Patents By Year of Application:	3	0	0	1	0	0	1	0	0	0	0	0	0	0	0	5
SANDEN CORPORATION																
Patents By Year of Grant:	3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	5
SANDVIK AKTIEBOLAG																
Patents By Year of Grant:	2	0	1	0	0	0	1	0	0	1	0	0	0	0	0	5
Patents By Year of Application:	2	1	0	0	2	0	0	0	0	0	0	0	0	0	0	5
SANDVIK INTELLECTUAL PROPERTY AB																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
Patents By Year of Application:	0	0	0	1	0	0	0	0	0	0	0	0	0	4	0	5

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 2007) ---- Ranked List of Organizations with 5 or More Patents ----

	Pre															
	1994	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	TOTAL
UNIROYAL, INC.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
UNIVERSITY OF MINNESOTA, THE REGENTS OF																
Patents By Year of Grant:	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
WISCONSIN ALUMNI RESEARCH FOUNDATION																
Patents By Year of Grant:	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5
Patents By Year of Application:	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5
ZENITH ELECTRONICS CORPORATION																
Patents By Year of Grant:	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5
Patents By Year of Application:	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Other Organizations (4215)																
Patents By Year of Grant:	2585	160	153	142	158	169	226	272	264	231	225	158	127	284	294	5448
Patents By Year of Application:	2999	224	228	235	260	252	259	272	215	205	144	97	50	8	0	5448