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U.S. PATENT AND TRADEMARK OFFICE
Patent Technology Monitoring Team (PTMT)

Patent Counts By Class By Year - Independent Inventors

PART A1
Granted: 01/01/1977 - 12/31/2009
A Patent Technology Monitoring Team Report

Parts of the Report

[Description of the Report](#)[Report Printing and Use of Spreadsheet Software](#)

PART A1 - Patents Granted As Distributed By Year Of Patent Grant and U.S. Patent Classification System Class

[Table A1-1, Patent Counts Based on ORIGINAL Classification Only](#)

This table counts patents according to the "original" (i.e., primary) classification assigned to each patent. If the patent record is incomplete and the "original" classification is unknown, then the patent is counted in a "classification undetermined" category (class 001 for utility patents and other non-design patent documents; class D00 for design patents). See the *Description of the Report* section, below, for further details.

[Table A1-2, Patent Counts Based on ORIGINAL and CROSS-REFERENCE Classifications with Duplicate Patents Eliminated Within Classes](#)

This table counts patents according to "original" (i.e., primary) and "cross-reference" classifications assigned to each patent. Counts of duplicate patents are eliminated within each class, but not when patents are classified among different classes. For example, the same patent would be counted once in Class 002 and once in Class 004 if it has one or more classifications assigned in both classes. If the patent record is incomplete and the classifications are unknown, then the patent is counted in a "classification undetermined" category (class 001 for utility patents and other non-design patent documents; class D00 for design patents). See the *Description of the Report* section, below, for further details.

[CONTACT INFORMATION -](#)

Patent Counts By Class By Year - Independent Inventors
PART A1
Granted: 01/01/1977 - 12/31/2009
A Patent Technology Monitoring Team Report

Description of the Report

An independent inventor patent is a patent for which ownership is either unassigned (i.e., patent rights are held by the inventor) or assigned to an individual at the time of grant. This report is limited to only such independent inventor patents. Patents for which ownership is assigned to an organization at the time of grant are excluded from this report.

Classes are major divisions of technology in the U.S. Patent Classification System (USPCS). Each class is further divided into smaller divisions of technology called subclasses. The USPCS currently contains approximately 470 total classes and 163,000 total subclasses. Copies of each patent are placed (classified) in those subclasses that have been identified as pertinent to the information disclosed in the patent. One, and only one, of these subclasses is designated as the "original classification" (OR), and the remainder (if any) are designated as "cross-reference classifications" (XR).

The "original" classification of a patent may be considered to be its "primary" classification. This classification need not correspond to any classification that was assigned to the patent at the time of issue since the classification system is continuously undergoing revision and since classifications that are assigned to patents are continuously updated to reflect these revisions. Counting patents by "original" classification will ensure that each patent is counted only once. However, if a patent teaches more than one concept, e.g., table and chair, only one concept, e.g., table, will be counted. To ensure that all concepts are counted, patents should be counted in all of their classifications. **Unless otherwise indicated, patent classifications used to produce this report are those assigned to patents as of the end of the most recent calendar year for which counts are reported (e.g., December 31, 2009).** Please refer to the U.S. Patent and Trademark Office Manual of Patent Classification for further information concerning the patent classification system.

PATENTS INCLUDED IN THIS REPORT

This Patent Technology Monitoring Team (PTMT) Report profiles patent activity for U.S. patents granted between **01/01/1977 and 12/31/2009**. The source of the data used for this report is the TAF database maintained by the U.S. Patent and Trademark Office.

This report counts only documents of the following type(s):

utility patents (i.e., "patents for invention"), design patents, plant patents, reissue patents, statutory invention registrations, defensive publications

granted by the U.S. Patent and Trademark Office during the period **01/01/1977 - 12/31/2009**. These profiled documents hereafter will be referred to as "patents".

PART A1 -- DATA DISTRIBUTION BY YEAR OF GRANT

Part A1 presents tables which profile patent activity by U.S. Patent Classification System class. Part A1 presents data by year of patent grant ("Patents Granted As Distributed By Year of Patent Grant"). Patent data as shown in the "**Pre YYYY**" column (where "YYYY" is a four-digit year) correspond to activity in the specified time period prior to "YYYY".

Report Printing and the Use of Spreadsheet Software

This report can be printed from an Internet browser - for such printing, optimal results are usually obtained by printing in landscape orientation with minimal margins and a small text font. Microsoft Internet Explorer, version 7, works particularly well for printing this report using its "Shrink to Fit" option in Print Preview mode.

Additionally, a user may import this report file into spreadsheet software such as Microsoft Excel to facilitate printing. Such spreadsheet software also may facilitate sorting and further manipulation of the data.

Patent Counts By Class By Year - Independent Inventors

PART A1

Granted: 01/01/1977 - 12/31/2009

A Patent Technology Monitoring Team Report

Part A1-1.

Patent Counts Based on ORIGINAL Classification Only

Number of Patents Granted as Distributed by Year of Patent Grant,
Breakout by U.S. Patent Classification System Class

Table A1-1, Breakout by U.S. Patent Classification System Class

Patent Counts Distributed by Year of Patent Grant

Patents Granted: 01/01/1977 - 12/31/2009

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
001	** Classification Undetermined **	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	1	2	0	1	10
002	Apparel	1333	189	175	255	220	161	176	152	266	296	348	427	372	375	307	205	220	178	206	129	123	81	6194
004	Baths, Closets, Sinks, and Spittoons	1238	150	176	182	148	174	190	152	136	152	212	264	218	201	236	198	177	133	123	110	84	54	4708
005	Beds	1136	161	191	193	214	165	157	152	208	175	181	190	206	177	166	189	188	186	169	120	138	139	4801
007	Compound Tools	146	22	19	25	15	28	21	12	24	17	23	23	26	34	24	14	21	21	21	23	2	8	569
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	156	19	11	9	11	14	18	14	17	14	22	18	17	16	15	14	6	8	7	7	9	7	429
012	Boot and Shoe Making	70	8	7	4	2	5	5	3	2	3	5	13	1	6	2	6	6	1	2	2	4	1	158
014	Bridges	94	11	8	12	4	8	12	16	15	10	10	17	6	7	15	11	17	8	11	16	11	10	329
015	Brushing, Scrubbing, and General Cleaning	1584	154	143	166	134	144	193	199	236	181	237	238	251	186	175	175	137	111	106	123	126	104	5103
016	Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, Etc.)	373	85	39	54	37	40	63	55	69	66	92	76	70	64	97	78	67	57	50	38	21	36	1627
019	Textiles: Fiber Preparation	103	14	15	14	6	5	13	10	6	8	5	10	10	8	14	4	1	0	3	1	3	3	256
023	Chemistry: Physical Processes	15	0	0	0	2	0	3	1	0	0	1	1	3	0	1	1	0	0	0	1	0	1	30
024	Buckles, Buttons, Clasps, Etc.	810	89	111	125	103	79	81	98	95	131	121	116	121	130	126	141	79	46	79	61	55	54	2851
026	Textiles: Cloth Finishing	34	4	4	4	2	1	1	1	4	5	1	4	2	2	0	0	1	0	2	2	1	1	76
027	Undertaking	55	6	11	9	6	7	7	5	5	12	11	9	5	9	6	15	6	2	9	18	15	12	240
028	Textiles: Manufacturing	54	1	6	6	6	2	9	6	5	4	4	7	4	3	4	1	7	2	4	1	3	3	142
029	Metal Working	1571	171	156	169	145	168	127	133	131	144	137	120	152	158	142	157	136	125	140	114	81	82	4459
030	Cutlery	1191	146	151	155	118	104	109	98	124	97	136	137	129	116	146	124	127	93	87	74	49	51	3562
033	Geometrical Instruments	1570	140	185	177	171	113	117	167	121	96	132	112	143	148	134	150	163	169	120	141	113	133	4515
034	Drying and Gas or Vapor Contact with Solids	569	40	36	46	47	50	52	49	43	56	59	75	78	51	49	41	40	39	38	21	36	11	1526
036	Boots, Shoes, and Leggings	746	75	81	61	47	69	73	64	65	86	126	106	96	83	76	76	81	66	67	69	55	57	2325
037	Excavating	389	43	37	36	43	38	23	31	47	29	35	43	49	40	49	31	34	30	22	17	12	35	1113
038	Textiles: Ironing or Smoothing	107	14	13	13	9	8	12	9	13	7	11	14	10	11	9	7	11	8	7	14	7	4	318
040	Card, Picture, or Sign Exhibiting	1087	145	113	112	78	95	113	100	92	98	124	135	154	140	148	180	131	101	96	101	106	93	3542
042	Firearms	613	78	93	112	63	61	70	82	63	84	88	77	49	77	104	108	88	65	66	64	60	61	2226
043	Fishing, Trapping, and Vermin Destroying	1771	330	231	208	215	220	219	163	223	135	139	263	214	141	183	205	171	135	130	98	101	107	5602
044	Fuel and Related Compositions	196	13	14	8	9	13	13	14	12	9	4	15	22	10	10	14	14	10	6	5	9	17	437
047	Plant Husbandry	736	90	82	100	79	82	108	106	100	62	88	103	124	98	103	94	52	60	62	41	34	48	2452
048	Gas: Heating and Illuminating	104	9	7	3	4	0	4	6	0	2	7	3	4	3	0	2	6	1	8	5	3	7	188
049	Movable or Removable Closures	538	53	44	50	48	33	51	60	61	41	55	47	50	57	42	35	53	27	30	22	16	21	1434
051	Abrasive Tool Making Process, Material, or Composition	74	11	11	11	14	18	7	8	5	14	4	4	6	4	5	4	3	2	2	3	2	0	212
052	Static Structures (e.g., Buildings)	3360	390	351	304	261	309	348	301	384	431	495	465	459	529	433	401	359	294	234	179	170	235	10692
053	Package Making	630	57	56	76	52	46	45	65	60	51	71	57	54	47	33	37	53	53	30	26	41	41	1681
054	Harness for Working Animal	118	13	14	19	18	14	15	12	13	9	20	8	20	17	24	28	18	10	20	19	20	13	462
055	Gas Separation	249	28	24	30	31	28	9	15	25	17	35	36	28	33	24	30	29	16	21	18	25	27	778
056	Harvesters	710	63	91	88	77	78	71	88	75	39	65	80	71	48	64	43	48	57	42	22	19	26	1965

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
057	Textiles: Spinning, Twisting, and Twining	304	30	28	13	27	39	32	14	8	16	34	17	10	15	10	5	6	0	5	2	5	1	621
059	Chain, Staple, and Horseshoe Making	61	9	8	4	2	4	9	7	6	10	4	9	6	4	5	11	9	11	6	6	5	5	201
060	Power Plants	1302	85	64	68	77	88	61	56	61	69	82	86	91	100	92	84	91	82	116	63	48	51	2917
062	Refrigeration	1200	139	145	130	105	142	141	110	127	122	150	144	156	192	201	170	116	89	105	106	74	54	3918
063	Jewelry	172	21	19	27	35	25	14	30	25	32	21	24	25	19	30	30	24	18	19	24	25	14	673
065	Glass Manufacturing	178	14	10	4	13	9	13	4	6	5	11	22	8	7	18	12	8	10	9	5	4	3	373
066	Textiles: Knitting	168	13	2	19	4	12	4	3	12	15	10	12	18	20	14	6	11	10	10	7	3	10	383
068	Textiles: Fluid Treating Apparatus	120	6	6	9	10	9	9	12	11	7	15	15	10	8	15	14	2	2	2	2	11	5	300
069	Leather Manufactures	36	3	2	4	0	0	1	0	2	1	0	0	1	1	1	1	2	1	0	1	1	1	59
070	Locks	949	139	116	123	102	104	105	122	103	128	174	170	104	92	121	129	96	88	79	58	71	60	3233
071	Chemistry: Fertilizers	124	10	9	3	18	6	10	16	14	19	17	11	11	12	19	8	8	1	4	0	4	4	328
072	Metal Deforming	947	87	73	72	42	60	53	40	57	63	84	83	69	52	46	42	37	42	71	54	38	34	2146
073	Measuring and Testing	2222	240	187	204	167	159	173	203	217	189	209	196	166	167	205	218	179	161	162	160	181	136	6101
074	Machine Element or Mechanism	846	105	81	79	116	92	91	85	109	90	102	112	101	86	58	73	53	32	41	46	28	40	2466
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	269	16	15	11	12	13	21	25	12	14	17	14	14	27	25	17	8	8	7	8	4	9	566
076	Metal Tools and Implements, Making	148	13	6	15	13	5	10	16	10	10	7	3	15	5	3	7	1	3	3	2	3	1	299
079	Button Making	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
081	Tools	1040	152	126	134	109	115	129	91	116	79	118	182	215	251	187	139	157	177	235	184	129	59	4124
082	Turning	244	15	10	15	16	12	14	7	9	19	19	19	15	22	13	30	12	12	9	3	3	2	520
083	Cutting	925	85	92	100	84	76	58	51	58	47	72	93	73	66	45	57	99	52	57	47	30	39	2306
084	Music	1233	112	113	109	91	87	104	124	128	95	130	158	173	152	121	131	123	96	132	149	161	185	3907
086	Ammunition and Explosive-Charge Making	76	12	3	9	5	10	3	5	2	4	5	1	6	2	6	3	1	4	6	1	2	9	175
087	Textiles: Braiding, Netting, and Lace Making	26	4	2	1	2	5	0	0	1	2	1	5	2	0	5	5	1	2	3	2	0	74	
089	Ordnance	216	33	43	22	24	28	24	34	18	21	30	28	23	30	33	32	35	19	20	24	25	21	783
091	Motors: Expansible Chamber Type	285	15	19	18	17	19	18	4	9	9	10	6	9	5	8	6	8	4	5	5	1	3	483
092	Expansible Chamber Devices	188	20	33	29	16	12	25	22	16	7	18	12	10	13	15	17	9	8	6	14	12	6	508
095	Gas Separation: Processes	209	24	23	20	27	19	13	14	16	21	23	28	14	28	27	22	17	22	16	11	16	9	619
096	Gas Separation: Apparatus	312	33	41	25	27	29	19	21	27	19	21	27	22	25	25	17	23	23	24	15	12	19	806
099	Foods and Beverages: Apparatus	823	73	78	72	88	92	93	126	102	130	148	133	149	150	110	96	89	60	64	27	48	33	2784
100	Presses	405	18	17	40	45	41	37	29	28	34	37	25	21	22	11	27	16	14	24	15	22	14	942
101	Printing	466	44	43	53	49	49	51	69	39	49	67	50	56	53	36	49	52	27	42	17	10	19	1390
102	Ammunition and Explosives	229	31	30	33	36	31	28	32	18	15	19	21	11	34	28	27	28	24	21	24	21	20	761
104	Railways	235	17	23	27	20	14	16	24	20	25	22	18	14	20	29	23	21	22	8	5	14	25	642
105	Railway Rolling Stock	97	9	10	11	13	13	6	8	13	11	12	3	12	14	12	6	6	11	7	5	4	7	290
106	Compositions: Coating or Plastic	320	25	27	31	31	34	59	35	44	33	39	44	32	39	32	39	38	24	20	25	17	18	1006
108	Horizontally Supported Planar Surfaces	430	63	44	42	51	28	62	62	83	77	77	83	103	68	63	66	72	43	43	14	28	36	1638
109	Safes, Bank Protection, or a Related Device	123	15	11	5	2	10	5	3	5	11	9	9	8	3	7	5	2	4	2	3	1	1	244
110	Furnaces	323	28	42	36	35	29	44	29	23	19	30	15	17	21	19	12	15	16	18	5	10	6	792
111	Planting	211	15	26	18	16	12	18	23	28	22	10	22	21	29	19	24	13	12	18	7	14	21	599
112	Sewing	298	27	16	34	28	19	20	16	20	18	32	40	29	35	26	11	16	19	20	9	13	12	758
114	Ships	1349	172	179	181	148	139	144	138	147	139	141	154	175	147	133	137	108	162	155	130	102	96	4376
116	Signals and Indicators	358	45	49	62	34	34	49	38	35	28	23	32	41	37	42	32	44	33	28	27	27	24	1122
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	70	2	6	4	2	2	6	7	3	4	9	8	8	7	4	3	3	3	3	7	16	5	182
118	Coating Apparatus	377	26	25	48	36	33	37	43	32	37	40	47	32	32	34	31	21	15	22	14	14	17	1013
119	Animal Husbandry	1278	133	169	200	209	180	186	164	194	186	288	227	216	207	256	249	176	156	180	154	120	95	5223
122	Liquid Heaters and Vaporizers	265	23	20	12	8	9	17	11	11	6	16	15	14	11	10	25	11	13	11	8	6	11	533
123	Internal-Combustion Engines	2052	173	139	182	159	142	126	131	137	123	159	136	129	195	147	156	132	138	156	133	128	98	5071
124	Mechanical Guns and Projectors	441	61	44	54	51	53	60	67	70	91	59	60	56	60	52	67	80	48	48	53	33	42	1650

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
125	Stone Working	113	8	14	6	9	9	11	8	10	15	10	12	14	16	12	11	17	14	24	10	11	2	356
126	Stoves and Furnaces	2554	110	112	96	60	83	79	75	65	61	73	93	102	90	48	70	65	63	37	18	19	30	4003
127	Sugar, Starch, and Carbohydrates	38	1	2	2	7	4	5	3	2	1	4	6	1	4	1	0	0	1	1	2	1	0	86
128	Surgery	904	162	149	188	151	149	181	191	215	205	245	195	176	170	171	160	159	115	126	81	64	59	4216
131	Tobacco	372	31	25	24	26	7	15	22	23	22	41	27	29	13	19	17	24	9	8	6	5	9	774
132	Toilet	560	61	76	92	68	73	85	72	87	88	169	195	141	104	86	75	57	25	46	62	36	40	2298
134	Cleaning and Liquid Contact with Solids	483	71	57	83	68	62	65	90	68	56	76	120	98	79	83	74	48	34	33	37	33	37	1855
135	Tent, Canopy, Umbrella, or Cane	342	73	60	50	52	60	101	62	77	84	90	80	83	127	79	71	87	63	44	64	63	65	1877
136	Batteries: Thermoelectric and Photoelectric	170	9	8	10	6	4	10	13	16	11	14	9	22	15	19	10	14	9	8	6	0	14	397
137	Fluid Handling	1803	217	185	190	195	183	181	147	141	143	171	237	251	223	128	126	135	128	137	118	80	69	5188
138	Pipes and Tubular Conduits	314	26	14	32	28	20	31	30	29	23	45	63	52	45	34	24	23	24	20	17	16	27	937
139	Textiles: Weaving	157	13	5	14	10	3	5	11	11	7	7	5	8	8	5	1	8	7	8	1	3	1	298
140	Wireworking	106	3	8	4	4	3	9	8	7	5	9	5	8	6	3	5	2	1	10	7	2	4	219
141	Fluent Material Handling, with Receiver or Receiver Coacting Means	505	56	44	50	53	54	73	69	72	68	62	76	68	88	81	60	80	66	52	51	22	31	1781
142	Wood Turning	20	1	1	3	4	1	1	1	1	2	1	5	2	0	0	1	0	0	0	0	0	0	44
144	Woodworking	642	63	59	56	69	46	52	50	40	44	53	59	62	52	59	61	31	19	49	30	27	24	1647
147	Coopering	2	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	5
148	Metal Treatment	141	14	15	11	18	15	24	14	9	15	15	14	19	26	22	26	21	8	2	4	9	10	452
149	Explosive and Thermic Compositions or Charges	52	4	3	3	1	1	2	1	4	3	3	0	2	3	1	2	2	3	0	0	0	2	92
150	Purses, Wallets, and Protective Covers	86	14	19	15	14	16	15	10	14	6	13	13	24	21	14	15	10	7	10	10	10	19	375
152	Resilient Tires and Wheels	250	30	17	16	16	25	19	14	13	16	16	17	22	17	13	21	13	11	17	12	11	10	596
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	1238	117	100	89	101	99	111	136	107	109	127	141	129	140	122	111	104	52	62	53	40	38	3326
157	Wheelwright Machines	79	5	7	7	7	5	3	5	4	1	2	3	5	7	2	1	1	2	3	5	6	4	164
159	Concentrating Evaporators	41	2	1	0	5	6	3	3	2	0	3	1	1	0	1	0	0	2	2	0	0	1	74
160	Flexible or Portable Closure, Partition, or Panel	444	76	60	78	74	60	52	70	69	82	84	86	111	92	81	70	74	61	57	53	35	38	1907
162	Paper Making and Fiber Liberation	137	14	16	14	11	18	14	12	15	12	20	10	13	21	9	9	6	4	7	10	8	13	393
163	Needle and Pin Making	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
164	Metal Founding	353	36	33	21	13	29	26	12	31	13	21	13	6	20	31	23	12	17	18	7	7	2	744
165	Heat Exchange	758	72	58	46	59	39	67	52	48	27	49	51	39	53	42	36	70	37	61	26	24	17	1731
166	Wells	647	58	64	71	78	71	80	67	58	53	73	56	81	126	70	79	69	50	77	75	82	55	2140
168	Farriery	50	7	4	13	13	10	5	2	4	6	6	4	11	8	9	7	5	6	2	4	5	8	189
169	Fire Extinguishers	178	21	16	27	30	22	13	9	25	31	31	42	40	24	26	20	12	17	23	16	10	13	646
171	Unearthing Plants or Buried Objects	59	0	8	4	3	2	6	3	1	1	2	1	4	2	5	0	1	1	5	0	1	1	110
172	Earth Working	664	56	51	34	39	34	38	50	47	42	65	51	54	49	41	33	32	34	26	10	10	15	1475
173	Tool Driving or Impacting	227	36	17	23	20	9	14	16	15	15	28	21	28	15	10	21	24	19	18	12	9	6	603
174	Electricity: Conductors and Insulators	325	31	42	39	37	45	46	49	39	48	83	78	59	84	95	80	72	102	87	61	64	75	1641
175	Boring or Penetrating the Earth	521	50	50	52	52	36	44	46	45	29	53	45	42	49	39	37	33	33	34	53	47	58	1448
177	Weighing Scales	223	27	20	11	16	20	12	11	2	12	19	13	10	15	13	19	14	6	9	21	7	15	515
178	Telegraphy	38	1	3	3	3	2	1	4	5	3	3	0	3	0	2	0	0	0	0	0	1	0	72
180	Motor Vehicles	822	65	55	71	60	58	76	59	66	35	60	70	73	70	78	75	56	81	84	74	69	75	2232
181	Acoustics	387	39	35	33	22	42	30	24	26	32	38	54	53	31	35	42	22	26	11	15	26	39	1062
182	Fire Escape, Ladder, or Scaffold	921	90	91	110	106	61	100	74	75	80	111	130	102	67	95	78	99	80	87	65	30	19	2671
184	Lubrication	118	11	21	15	16	15	14	23	25	11	14	17	14	20	12	7	7	5	8	4	4	3	384
185	Motors: Spring, Weight, or Animal Powered	20	2	3	0	1	1	1	0	0	3	0	1	2	1	1	1	0	1	0	0	0	1	39
186	Merchandising	36	2	1	2	7	3	1	6	5	5	4	0	3	4	2	2	4	0	1	1	0	0	89
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	120	7	8	17	14	14	21	12	22	16	16	28	17	16	14	11	10	6	15	18	11	10	423
188	Brakes	316	52	41	31	29	26	44	46	58	43	41	55	45	52	79	44	31	40	45	31	24	25	1198
190	Trunks and Hand-Carried Luggage	121	16	11	10	21	13	17	22	23	19	16	17	16	20	20	22	10	7	11	7	8	9	436
191	Electricity: Transmission To Vehicles	51	2	4	4	6	3	8	4	3	7	4	2	4	13	6	5	3	4	3	3	0	2	141
192	Clutches and Power-Stop Control	222	17	19	34	17	11	17	18	30	20	16	27	18	18	15	11	10	14	8	10	7	7	566

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
193	Conveyors, Chutes, Skids, Guides, and Ways	81	6	3	8	5	7	3	3	3	2	1	8	9	9	13	1	4	4	6	4	3	4	187
194	Check-Actuated Control Mechanisms	146	9	7	14	12	14	9	18	15	7	7	15	5	8	5	9	7	1	4	6	1	4	323
196	Mineral Oils: Apparatus	14	1	1	1	0	1	1	1	1	0	4	1	1	0	1	0	0	0	0	0	0	0	28
198	Conveyors: Power-Driven	652	60	67	68	73	60	81	49	44	45	57	55	70	63	66	56	50	39	42	36	37	29	1799
200	Electricity: Circuit Makers and Breakers	495	33	38	43	31	30	32	32	32	32	54	38	20	21	39	31	51	41	33	35	30	21	1212
201	Distillation: Processes, Thermolytic	36	3	0	0	5	0	2	2	0	3	2	1	0	0	1	2	0	1	3	0	1	3	65
202	Distillation: Apparatus	220	11	19	8	6	10	11	9	8	15	8	7	9	5	8	6	5	2	3	2	6	5	383
203	Distillation: Processes, Separatory	140	17	25	14	25	24	9	43	7	12	28	20	8	9	11	3	6	8	5	0	4	7	425
204	Chemistry: Electrical and Wave Energy	513	57	53	46	58	37	44	58	33	50	36	38	56	67	44	39	29	19	23	14	21	12	1347
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	357	22	27	26	32	41	41	38	25	19	25	28	30	48	34	17	25	12	12	20	12	12	903
206	Special Receptacle or Package	1730	273	252	244	208	238	239	231	216	235	343	321	312	243	217	192	174	186	131	122	136	135	6378
208	Mineral Oils: Processes and Products	153	14	14	7	10	3	11	6	16	6	7	13	8	7	5	7	4	3	5	5	7	2	313
209	Classifying, Separating, and Assorting Solids	513	44	40	42	36	48	45	35	28	32	36	43	37	36	36	15	27	29	22	11	18	18	1191
210	Liquid Purification or Separation	2021	264	232	249	300	275	224	249	264	255	258	280	273	310	246	207	208	204	187	183	167	168	7024
211	Supports: Racks	748	92	103	134	133	114	126	97	144	134	190	153	156	139	124	120	105	96	95	71	46	46	3166
212	Traversing Hoists	126	9	7	12	8	10	6	4	5	8	17	16	10	9	8	8	5	5	5	7	11	10	306
213	Railway Draft Appliances	26	1	0	3	2	0	2	0	2	0	1	0	3	4	2	1	3	1	4	1	0	1	57
215	Bottles and Jars	480	66	51	50	42	34	33	51	32	35	42	50	41	38	33	23	22	20	19	16	9	15	1202
216	Etching a Substrate: Processes	65	8	5	8	8	9	14	9	4	6	10	7	5	4	11	10	16	9	4	6	6	6	230
217	Wooden Receptacles	23	2	1	0	1	1	2	2	1	0	2	1	2	1	0	0	0	2	0	0	1	0	42
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices	21	2	2	1	1	2	2	0	2	0	0	0	2	3	0	0	2	0	1	0	0	0	41
219	Electric Heating	1022	119	132	114	94	89	82	99	93	82	110	126	180	125	127	113	128	102	114	86	49	46	3232
220	Receptacles	985	154	201	176	161	174	158	154	156	145	182	219	184	186	154	119	106	68	83	67	63	84	3979
221	Article Dispensing	403	35	38	44	45	39	48	44	44	34	47	46	47	48	57	58	42	32	47	25	25	17	1265
222	Dispensing	1434	163	151	194	179	171	170	175	169	142	168	246	174	179	170	111	135	128	126	81	61	53	4580
223	Apparel Apparatus	254	15	30	40	32	18	17	21	34	45	39	47	61	54	26	20	34	21	22	35	25	8	898
224	Package and Article Carriers	961	144	158	153	114	142	150	184	178	181	202	195	165	177	149	133	132	76	55	53	35	26	3763
225	Severing by Tearing or Breaking	113	17	10	16	24	10	8	10	12	6	12	12	10	8	4	14	7	11	7	6	3	4	324
226	Advancing Material of Indeterminate Length	158	6	4	1	2	5	5	3	4	3	5	6	2	4	4	2	2	1	2	1	4	0	224
227	Elongated-Member-Driving Apparatus	235	36	18	18	18	15	14	17	17	24	22	22	26	23	32	27	27	29	19	19	11	11	680
228	Metal Fusion Bonding	237	32	35	24	25	27	20	29	22	23	13	23	23	26	24	19	21	20	12	5	7	9	676
229	Envelopes, Wrappers, and Paperboard Boxes	292	50	52	68	50	49	53	44	35	37	62	63	56	53	45	32	12	19	24	21	9	10	1136
231	Whips and Whip Apparatus	7	1	0	2	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	3	1	18
232	Deposit and Collection Receptacles	180	26	29	24	18	12	12	34	16	19	15	19	15	17	11	17	15	17	27	35	27	15	600
234	Selective Cutting (e.g., Punching)	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4
235	Registers	375	43	28	24	26	27	31	50	38	41	41	60	66	43	74	103	96	59	107	100	86	80	1598
236	Automatic Temperature and Humidity Regulation	284	20	12	11	18	19	19	15	8	10	15	13	22	14	13	14	10	7	10	15	8	6	563
237	Heating Systems	203	10	12	12	7	9	6	5	9	6	11	11	10	16	9	14	5	2	4	2	2	2	367
238	Railways: Surface Track	105	13	10	6	12	3	7	8	12	6	15	6	8	9	12	7	7	4	5	4	4	2	265
239	Fluid Sprinkling, Spraying, and Diffusing	1139	118	111	114	103	106	125	96	64	104	151	156	182	130	120	141	128	101	113	66	67	56	3491
241	Solid Material Comminution or Disintegration	567	70	69	63	58	87	68	59	70	59	61	81	62	43	57	58	50	41	53	56	42	62	1836
242	Winding, Tensioning, or Guiding	926	82	74	54	61	71	67	49	66	72	94	106	86	90	107	90	52	57	54	55	73	46	2432
244	Aeronautics and Astronautics	648	79	55	83	91	76	62	53	58	39	86	86	99	91	99	93	91	71	77	51	39	54	2181
245	Wire Fabrics and Structure	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	7
246	Railway Switches and Signals	36	2	1	3	3	5	5	11	4	6	11	2	10	12	8	10	5	2	3	5	6	5	155
248	Supports	1754	265	294	366	359	252	248	244	250	242	369	325	364	326	344	310	233	170	189	183	149	195	7431
249	Static Molds	391	29	21	23	19	17	12	14	16	22	24	14	16	18	17	9	16	8	16	16	6	9	733
250	Radiant Energy	727	111	94	111	88	78	67	87	74	73	90	82	69	69	71	96	93	69	111	86	88	91	2525
251	Valves and Valve Actuation	498	46	39	34	47	49	54	39	32	33	39	43	49	35	44	41	39	48	55	25	25	14	1328
252	Compositions	247	23	18	21	26	10	19	19	30	23	31	33	37	39	20	21	30	15	13	18	12	12	717

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
254	Implements or Apparatus for Applying Pushing or Pulling Force	644	65	47	44	47	71	42	35	34	57	49	81	74	66	65	76	63	68	75	55	57	39	1854
256	Fences	264	31	20	25	26	21	29	25	26	37	34	30	33	32	21	42	34	35	27	18	29	29	868
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	102	18	23	24	31	21	25	36	29	46	44	41	42	55	68	81	64	62	78	64	71	65	1090
258	Railway Mail Delivery	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
260	Chemistry of Carbon Compounds	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
261	Gas and Liquid Contact Apparatus	424	26	36	31	31	25	15	23	26	24	23	27	25	44	31	27	24	16	19	25	17	26	965
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	932	74	102	89	103	111	89	99	90	93	124	105	106	90	104	87	89	46	63	45	26	43	2710
266	Metallurgical Apparatus	271	18	7	14	9	8	10	20	13	13	13	5	14	10	11	10	14	3	7	5	3	12	490
267	Spring Devices	146	32	16	10	12	14	14	13	17	12	16	17	14	16	20	13	11	3	12	7	10	9	434
269	Work Holders	549	74	64	40	52	40	33	29	49	26	48	58	63	44	43	46	40	20	30	23	14	9	1394
270	Sheet-Material Associating	71	2	9	6	2	5	3	3	3	2	4	2	4	2	1	2	2	4	2	1	2	0	132
271	Sheet Feeding or Delivering	177	22	13	19	18	22	10	13	15	7	9	6	8	6	11	7	4	6	4	5	3	7	392
273	Amusement Devices: Games	1876	208	218	220	209	189	245	247	214	223	253	224	197	211	223	194	136	110	131	133	124	126	5911
277	Seal for a Joint or Juncture	308	23	13	18	20	16	18	17	21	24	21	25	18	33	38	21	20	12	12	8	5	2	693
278	Land Vehicles: Animal Draft Appliances	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
279	Chucks or Sockets	169	14	16	19	18	16	16	15	13	10	14	19	13	20	12	15	3	16	7	2	1	4	432
280	Land Vehicles	2858	315	268	324	276	323	363	345	342	251	409	402	468	456	426	386	364	335	333	334	303	280	10161
281	Books, Strips, and Leaves	154	31	25	26	24	29	19	26	24	30	34	44	25	22	17	7	12	9	11	6	3	5	583
283	Printed Matter	154	36	32	37	36	43	43	45	34	30	47	64	48	36	24	21	13	12	10	7	6	2	780
285	Pipe Joints or Couplings	651	71	47	61	59	64	70	65	59	41	70	75	49	52	51	49	43	33	38	31	51	30	1760
289	Knots and Knot Tying	57	4	1	4	2	1	1	1	3	7	2	6	4	9	5	4	5	2	3	2	3	6	132
290	Prime-Mover Dynamo Plants	387	16	7	9	10	7	12	23	8	7	22	13	23	29	26	15	60	47	64	58	79	71	993
291	Track Sanders	8	0	1	0	1	0	0	0	3	0	0	0	1	0	1	0	1	4	0	0	0	1	21
292	Closure Fasteners	644	65	64	86	77	36	37	45	63	73	43	54	54	28	66	47	30	36	31	50	33	25	1687
293	Vehicle Fenders	87	12	14	17	12	10	6	3	5	12	8	7	9	14	9	12	9	9	11	8	8	7	289
294	Handling: Hand and Hoist-Line Implements	985	90	79	74	81	101	97	106	117	109	150	130	124	81	119	77	45	47	69	76	58	50	2865
295	Railway Wheels and Axles	4	0	1	2	0	0	0	0	1	1	0	2	0	1	1	2	1	0	0	0	1	0	17
296	Land Vehicles: Bodies and Tops	865	125	148	136	127	101	85	95	116	113	140	152	165	176	126	139	147	121	133	135	111	101	3557
297	Chairs and Seats	959	148	119	115	118	82	165	120	171	161	183	220	263	159	176	181	179	139	180	134	164	121	4257
298	Land Vehicles: Dumping	102	9	5	8	5	8	7	9	5	5	8	7	10	11	7	12	18	9	9	3	5	3	265
299	Mining or In Situ Disintegration of Hard Material	254	17	18	15	16	16	6	11	8	11	10	12	10	15	8	12	7	4	9	6	23	15	503
300	Brush, Broom, and Mop Making	15	1	2	2	4	5	5	5	1	4	2	2	1	3	1	4	2	0	2	3	3	0	67
301	Land Vehicles: Wheels and Axles	161	15	28	26	31	24	25	17	26	13	27	29	40	45	43	40	34	27	27	24	20	14	736
303	Fluid-Pressure and Analogous Brake Systems	76	6	12	7	10	13	6	15	7	14	6	11	11	10	17	8	5	4	4	0	6	2	250
305	Wheel Substitutes for Land Vehicles	48	5	3	0	1	3	5	6	4	7	8	7	8	8	7	6	1	0	3	1	3	1	135
307	Electrical Transmission or Interconnection Systems	346	41	17	14	19	30	25	22	46	47	51	57	38	21	22	28	32	8	23	24	21	25	957
310	Electrical Generator or Motor Structure	487	60	33	43	43	48	40	34	42	51	73	79	66	72	70	61	88	59	55	39	44	58	1645
312	Supports: Cabinet Structure	634	58	42	45	71	63	54	68	66	57	87	80	82	51	70	60	56	35	29	25	19	16	1768
313	Electric Lamp and Discharge Devices	132	21	14	21	14	8	10	11	21	18	23	32	23	19	23	28	20	14	25	15	16	10	518
314	Electric Lamp and Discharge Devices: Consumable Electrodes	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
315	Electric Lamp and Discharge Devices: Systems	393	54	66	74	44	50	37	64	45	29	59	47	65	64	58	71	43	54	47	36	23	24	1447
318	Electricity: Motive Power Systems	417	39	54	38	32	34	39	47	38	34	46	35	44	33	33	21	22	18	23	27	20	33	1127
320	Electricity: Battery or Capacitor Charging or Discharging	129	12	6	6	21	30	21	10	24	32	32	34	40	41	38	33	31	19	14	17	9	25	624
322	Electricity: Single Generator Systems	79	3	4	4	3	5	4	1	4	5	5	2	3	6	1	3	2	3	3	3	2	3	148
323	Electricity: Power Supply or Regulation Systems	105	16	9	10	15	10	7	7	11	12	13	9	11	16	19	5	8	11	11	10	7	9	331
324	Electricity: Measuring and Testing	745	117	84	69	96	74	80	99	109	51	97	82	91	97	118	98	95	76	97	78	74	66	2593
326	Electronic Digital Logic Circuitry	21	1	7	3	9	4	10	7	7	5	11	7	4	8	10	8	8	9	6	18	13	19	195
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	148	18	11	8	21	13	16	10	16	11	20	23	23	24	22	17	20	14	21	9	19	13	497
329	Demodulators	16	2	0	3	0	1	2	1	2	1	0	0	1	0	1	0	1	0	0	0	0	2	33
330	Amplifiers	146	17	8	10	12	7	8	8	12	12	10	15	17	19	13	17	16	6	17	13	21	16	420

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
331	Oscillators	63	5	4	9	3	3	2	2	6	5	8	8	5	6	2	5	5	5	3	7	4	15	175
332	Modulators	16	0	2	3	1	0	1	5	3	0	2	1	1	2	0	1	0	0	1	2	0	0	41
333	Wave Transmission Lines and Networks	119	18	8	10	15	11	11	10	10	4	8	10	12	13	13	21	12	20	16	7	15	10	373
334	Tuners	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets	168	7	8	11	11	13	12	10	16	14	9	18	14	17	16	16	13	22	17	12	13	10	447
336	Inductor Devices	55	4	7	1	3	3	6	5	6	8	6	10	9	4	6	15	19	14	18	11	2	9	221
337	Electricity: Electrothermally or Thermally Actuated Switches	128	11	7	7	6	5	4	7	4	14	17	23	17	15	13	20	8	7	12	9	6	7	347
338	Electrical Resistors	83	13	9	12	6	8	6	0	6	3	4	6	8	2	4	4	2	0	2	0	2	0	180
340	Communications: Electrical	1638	255	205	226	179	164	166	222	272	314	372	378	432	381	318	222	308	309	395	311	349	271	7687
341	Coded Data Generation or Conversion	127	29	23	10	14	22	17	24	23	32	33	25	28	34	43	34	24	21	25	27	27	30	672
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	220	20	21	19	21	28	28	27	36	24	40	34	34	39	37	27	26	26	23	24	27	23	804
343	Communications: Radio Wave Antennas	277	31	30	31	9	25	19	27	31	24	29	37	43	52	50	24	26	47	43	47	41	35	978
345	Computer Graphics Processing and Selective Visual Display Systems	157	32	25	28	27	21	46	47	47	76	86	108	112	122	112	107	82	85	104	99	74	67	1664
346	Recorders	71	5	4	3	0	0	1	2	2	0	1	3	0	1	0	0	0	0	0	1	0	0	94
347	Incremental Printing of Symbolic Information	65	7	8	7	6	1	6	6	4	9	17	10	19	16	22	20	19	23	30	25	33	9	362
348	Television	375	41	60	62	46	38	50	59	57	54	68	63	70	54	49	44	55	34	68	47	58	54	1506
349	Liquid Crystal Cells, Elements and Systems	38	10	7	4	12	6	4	17	19	11	9	7	7	12	9	12	11	12	8	1	5	10	231
351	Optics: Eye Examining, Vision Testing and Correcting	402	99	78	66	66	59	58	81	70	70	83	114	104	88	86	93	94	87	77	100	101	88	2164
352	Optics: Motion Pictures	141	4	8	16	10	6	1	3	6	10	7	14	5	8	4	6	8	3	5	4	4	3	276
353	Optics: Image Projectors	159	8	13	10	10	15	13	16	13	12	13	16	11	11	9	9	22	14	22	7	20	12	435
355	Photocopying	335	21	12	20	18	14	14	13	3	11	8	11	6	11	7	7	6	4	8	5	2	3	539
356	Optics: Measuring and Testing	513	63	55	62	57	48	38	67	61	61	70	76	75	32	60	58	73	55	62	70	62	64	1782
358	Facsimile and Static Presentation Processing	86	9	8	14	17	14	22	19	28	14	15	27	16	13	19	13	17	9	45	29	25	52	511
359	Optical: Systems and Elements	935	116	135	105	128	105	93	89	96	79	136	138	129	154	159	122	113	120	128	99	106	71	3356
360	Dynamic Magnetic Information Storage or Retrieval	294	29	29	20	22	25	25	23	23	15	27	18	20	18	20	16	15	7	11	9	3	9	678
361	Electricity: Electrical Systems and Devices	533	80	59	45	66	70	46	71	91	87	117	84	98	115	119	108	114	88	78	110	92	93	2364
362	Illumination	1159	179	183	206	219	141	176	207	219	221	271	259	351	343	327	367	303	277	366	317	225	238	6554
363	Electric Power Conversion Systems	163	26	21	19	16	25	16	14	23	22	25	22	28	32	32	19	13	11	15	14	9	18	583
365	Static Information Storage and Retrieval	72	9	9	11	10	20	24	17	26	27	32	24	30	27	19	25	17	22	28	23	25	60	557
366	Agitating	598	53	57	43	32	33	47	55	66	44	57	65	46	65	45	39	28	29	26	27	27	24	1506
367	Communications, Electrical: Acoustic Wave Systems and Devices	201	23	41	23	41	36	23	26	19	16	19	16	17	23	15	11	15	19	15	14	32	13	658
368	Horology: Time Measuring Systems or Devices	375	32	38	47	43	45	51	27	25	39	43	43	30	50	47	36	45	26	45	31	36	25	1179
369	Dynamic Information Storage or Retrieval	223	15	10	14	11	16	16	31	19	21	21	17	22	18	22	27	15	11	14	8	10	20	581
370	Multiplex Communications	118	17	12	10	13	12	10	34	28	28	34	28	35	35	25	22	39	32	71	63	78	128	872
372	Coherent Light Generators	125	25	36	24	13	14	21	26	18	22	19	14	16	16	14	26	39	23	21	13	15	22	562
373	Industrial Electric Heating Furnaces	81	3	4	3	5	5	3	5	3	0	0	7	12	6	6	3	3	1	1	0	3	1	155
374	Thermal Measuring and Testing	219	21	14	22	13	15	15	8	10	18	29	11	22	14	15	13	14	13	14	13	12	12	537
375	Pulse or Digital Communications	99	20	13	19	19	15	16	24	31	29	33	40	33	21	27	30	31	30	66	63	44	61	764
376	Induced Nuclear Reactions: Processes, Systems, and Elements	152	8	13	9	18	14	10	12	9	4	12	8	2	4	4	5	6	4	1	1	1	2	299
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	125	13	5	5	9	5	3	5	6	1	1	4	6	3	6	2	3	2	4	1	0	0	209
378	X-Ray or Gamma Ray Systems or Devices	248	27	31	42	35	31	28	25	33	22	36	18	32	28	26	26	17	23	30	32	29	40	859
379	Telephonic Communications	524	87	57	75	64	34	51	75	76	80	102	72	62	72	57	72	72	59	68	52	40	51	1902
380	Cryptography	65	4	17	20	11	15	23	12	15	22	22	8	18	15	11	4	8	8	15	11	8	12	344
381	Electrical Audio Signal Processing Systems and Devices	473	60	50	33	47	43	47	40	57	63	115	63	60	43	68	68	68	52	71	56	42	47	1666
382	Image Analysis	91	16	16	22	24	25	18	26	35	39	51	58	66	51	42	59	59	53	98	76	57	81	1063
383	Flexible Bags	179	32	30	40	29	28	37	27	21	21	23	45	51	44	25	15	13	18	15	12	13	10	728
384	Bearings	324	24	31	26	31	21	34	37	25	16	25	23	20	32	25	18	11	13	9	7	8	6	766
385	Optical Waveguides	140	33	43	48	26	30	31	31	39	32	67	62	59	57	79	74	66	70	106	60	54	47	1254

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
386	Television Signal Processing for Dynamic Recording or Reproducing	64	17	12	13	7	7	3	4	6	11	7	10	11	10	13	5	10	2	4	7	10	6	239
388	Electricity: Motor Control Systems	40	0	2	4	1	1	7	3	4	1	0	4	1	1	0	0	1	0	3	1	1	0	75
392	Electric Resistance Heating Devices	217	19	21	14	22	20	21	21	13	16	27	32	31	31	23	18	12	23	23	22	13	16	655
396	Photography	516	33	43	44	26	20	29	15	34	27	61	42	24	21	29	39	34	16	15	22	21	33	1144
398	Optical Communications	68	8	7	7	4	5	9	7	9	7	9	9	6	7	10	15	9	12	16	14	12	21	271
399	Electrophotography	46	6	6	6	10	11	10	13	6	12	9	9	7	20	8	10	4	8	17	5	4	8	235
400	Typewriting Machines	207	22	22	27	19	31	23	31	22	15	20	19	20	11	14	20	25	16	16	9	4	2	595
401	Coating Implements with Material Supply	349	41	56	78	45	37	59	46	33	23	36	110	98	124	89	77	89	71	71	59	57	37	1685
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	108	20	18	20	19	15	15	11	18	17	23	13	22	10	15	14	9	8	6	5	7	1	394
403	Joints and Connections	666	49	70	60	63	55	46	49	52	57	61	64	44	76	63	58	44	30	29	22	28	14	1700
404	Road Structure, Process, or Apparatus	445	72	72	80	52	72	59	61	51	51	46	57	63	49	66	56	71	41	84	54	46	57	1705
405	Hydraulic and Earth Engineering	1044	134	120	166	150	148	88	91	145	99	135	151	101	107	149	129	118	101	135	84	98	82	3575
406	Conveyors: Fluid Current	135	15	12	19	13	10	4	5	8	6	6	7	8	14	12	11	6	3	10	1	0	3	308
407	Cutters, for Shaping	89	4	5	12	7	9	3	2	2	8	8	9	9	12	3	8	1	6	6	10	9	4	226
408	Cutting by Use of Rotating Axially Moving Tool	433	34	51	57	43	32	45	44	25	35	56	47	22	40	27	31	19	17	32	21	19	19	1149
409	Gear Cutting, Milling, or Planing	227	27	31	20	18	18	14	17	19	27	29	25	31	18	21	20	16	18	16	19	12	12	655
410	Freight Accommodation On Freight Carrier	173	20	23	22	16	16	20	30	23	16	28	35	47	47	37	47	48	34	41	34	30	28	815
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	380	50	60	39	53	54	42	49	52	52	63	59	55	46	42	34	35	27	28	13	15	15	1263
412	Bookbinding: Process and Apparatus	25	2	7	3	4	6	3	4	4	6	7	4	7	10	9	1	1	3	1	0	2	1	110
413	Sheet Metal Container Making	14	0	0	1	2	1	2	0	2	1	2	0	1	1	0	0	2	0	2	4	1	0	36
414	Material or Article Handling	1581	114	128	153	133	125	138	142	142	112	131	144	167	86	113	92	101	62	56	58	49	52	3879
415	Rotary Kinetic Fluid Motors or Pumps	305	22	15	22	32	24	22	22	29	13	13	13	23	30	37	39	31	36	31	36	16	15	826
416	Fluid Reaction Surfaces (i.e., Impellers)	342	29	22	9	22	40	30	36	31	24	17	29	43	36	42	29	35	30	34	29	29	14	952
417	Pumps	861	82	66	75	64	76	58	69	69	68	71	74	113	102	103	100	62	26	37	27	21	23	2247
418	Rotary Expansible Chamber Devices	284	19	24	20	23	18	25	22	20	17	17	12	31	27	24	22	14	10	11	6	9	12	667
419	Powder Metallurgy Processes	48	1	9	6	2	1	7	4	7	7	4	5	4	2	4	4	5	2	2	2	2	4	132
420	Alloys or Metallic Compositions	106	6	7	7	6	4	8	6	1	3	2	4	0	1	7	6	3	3	1	1	1	1	184
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	525	54	60	69	94	81	83	108	77	72	89	94	90	92	93	84	62	56	47	52	61	36	2079
423	Chemistry of Inorganic Compounds	460	27	40	33	28	26	30	28	24	17	27	28	24	41	34	36	24	15	23	24	18	13	1020
424	Drug, Bio-Affecting and Body Treating Compositions	835	151	127	132	151	153	128	142	186	250	295	337	292	361	352	321	200	134	186	151	143	135	5162
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	1005	100	93	84	75	81	83	69	67	57	76	63	65	49	56	47	48	30	47	62	41	37	2335
426	Food or Edible Material: Processes, Compositions, and Products	845	117	115	104	99	94	88	98	111	107	105	154	159	165	121	98	94	47	51	46	21	24	2863
427	Coating Processes	580	49	38	52	62	38	64	74	58	64	80	73	75	77	58	65	50	24	22	24	29	26	1682
428	Stock Material or Miscellaneous Articles	1439	170	187	159	165	173	181	209	207	214	260	270	244	223	166	214	172	109	93	93	53	59	5060
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	245	22	19	18	17	20	22	35	71	30	29	32	27	28	25	40	16	24	21	15	12	24	792
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	256	10	23	23	14	12	16	23	28	13	23	22	27	25	34	27	25	19	22	14	13	10	679
431	Combustion	398	41	37	31	33	30	41	38	42	25	51	59	61	69	38	62	52	46	31	23	14	23	1245
432	Heating	277	18	16	16	12	9	7	3	2	10	11	15	12	9	11	17	5	4	6	4	3	1	468
433	Dentistry	1219	139	118	184	173	143	157	107	145	133	222	203	154	191	134	113	82	98	142	93	68	30	4048
434	Education and Demonstration	898	107	81	82	100	130	107	86	107	97	147	136	143	89	101	123	94	87	70	68	44	49	2946
435	Chemistry: Molecular Biology and Microbiology	551	64	72	66	71	89	99	114	126	182	225	252	205	246	175	180	139	122	155	122	100	142	3497
436	Chemistry: Analytical and Immunological Testing	261	32	16	23	24	33	31	29	42	39	53	38	41	43	30	38	29	9	18	35	30	32	926
438	Semiconductor Device Manufacturing: Process	110	9	10	16	19	20	16	33	24	20	36	52	56	68	65	83	72	44	50	40	61	52	956
439	Electrical Connectors	815	116	130	116	141	118	137	120	133	130	175	150	210	194	158	139	177	159	205	167	143	117	3950
440	Marine Propulsion	349	48	49	57	39	53	44	45	48	51	55	50	56	44	40	50	46	45	60	34	40	29	1332
441	Buoys, Rafts, and Aquatic Devices	318	54	61	45	51	41	65	59	51	56	66	50	55	54	59	55	45	55	64	52	40	36	1432
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	120	15	7	5	11	8	13	16	10	9	22	29	20	15	10	8	9	5	5	10	9	8	364

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
445	Electric Lamp or Space Discharge Component or Device Manufacturing	13	1	2	1	2	2	3	2	1	5	2	9	5	4	3	4	3	3	3	2	1	2	73
446	Amusement Devices: Toys	980	106	131	126	123	107	122	103	109	79	140	135	181	157	176	172	141	99	68	65	53	39	3412
449	Bee Culture	86	1	0	6	3	0	3	2	1	5	2	1	2	1	3	5	3	1	4	0	3	3	135
450	Foundation Garments	95	8	7	6	8	9	4	11	6	14	20	34	49	37	32	14	18	15	22	20	23	15	467
451	Abrading	728	85	88	84	81	96	69	73	81	88	80	92	101	121	93	81	96	84	100	53	42	45	2461
452	Butchering	387	22	38	28	40	36	40	31	33	21	17	22	32	31	11	19	15	16	28	23	30	24	944
453	Coin Handling	44	4	3	9	4	3	4	5	2	4	0	1	4	1	3	2	8	0	2	0	0	2	105
454	Ventilation	369	39	50	38	54	34	42	24	36	34	44	45	41	59	58	47	46	35	31	19	12	15	1172
455	Telecommunications	239	39	15	35	30	25	15	33	54	34	55	59	72	61	68	83	95	82	146	144	98	152	1634
460	Crop Threshing or Separating	54	5	11	8	8	5	4	8	12	1	9	5	8	5	5	2	4	4	4	2	1	2	167
462	Books, Strips, and Leaves for Manifolding	33	4	3	1	8	10	3	5	3	1	1	0	2	4	0	0	0	0	0	1	1	0	80
463	Amusement Devices: Games	182	27	17	29	24	28	40	25	36	28	65	52	63	63	52	58	43	47	39	44	47	24	1033
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	130	8	10	3	8	8	10	11	10	7	10	4	9	23	10	14	9	7	11	3	3	3	311
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus	53	1	1	1	3	6	3	4	2	2	4	4	2	0	3	3	1	1	2	1	1	1	99
472	Amusement Devices	166	28	33	21	18	29	21	22	24	26	47	31	25	21	23	28	19	22	18	12	12	10	656
473	Games Using Tangible Projectile	1838	262	307	321	327	301	386	423	395	363	471	382	324	316	308	310	290	255	299	263	198	196	8535
474	Endless Belt Power Transmission Systems or Components	215	35	30	27	13	24	33	34	23	25	17	14	28	13	19	10	6	7	11	5	8	6	603
475	Planetary Gear Transmission Systems or Components	204	39	25	36	33	26	20	22	25	19	24	35	35	21	22	25	16	25	15	19	22	16	724
476	Friction Gear Transmission Systems or Components	29	4	0	3	3	2	0	4	7	1	2	2	5	2	2	1	2	3	2	1	2	1	78
477	Interrelated Power Delivery Controls, Including Engine Control	67	6	8	7	2	1	4	6	8	6	5	5	4	1	4	6	3	4	7	2	7	4	167
482	Exercise Devices	1318	208	226	220	227	219	249	221	275	281	324	308	304	274	252	262	263	185	310	230	221	245	6622
483	Tool Changing	20	0	2	4	2	0	3	1	1	3	1	6	6	1	4	2	1	0	4	2	3	5	71
492	Roll or Roller	40	4	4	1	1	5	2	8	3	6	5	5	3	1	1	2	3	0	2	0	0	1	97
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	245	16	16	24	41	19	23	17	16	11	30	21	24	11	16	25	15	13	12	7	15	11	628
494	Imperforate Bowl: Centrifugal Separators	69	7	3	6	2	7	8	3	4	5	8	7	6	7	8	2	3	3	2	3	0	4	167
501	Compositions: Ceramic	74	11	11	9	12	6	13	11	13	7	10	11	5	12	12	14	5	6	4	5	6	5	262
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making	118	9	12	17	17	21	9	10	8	8	12	16	18	11	14	4	4	2	5	8	8	7	338
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor	16	3	4	3	1	2	4	0	4	2	4	4	0	2	1	0	3	1	2	3	3	2	64
504	Plant Protecting and Regulating Compositions	51	6	9	8	18	8	5	5	8	11	10	28	14	16	11	9	5	5	4	4	1	5	241
505	Superconductor Technology: Apparatus, Material, Process	2	1	4	5	10	8	6	9	7	8	3	8	6	5	2	3	4	5	1	1	0	3	101
506	Combinatorial Chemistry Technology: Method, Library, Apparatus	0	0	0	0	0	0	0	0	6	2	3	8	9	3	6	10	4	2	0	0	0	4	57
507	Earth Boring, Well Treating, and Oil Field Chemistry	33	5	3	2	5	3	1	1	1	3	7	5	3	1	5	6	11	8	2	1	1	9	116
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions	52	7	6	6	7	7	5	9	8	8	11	13	10	10	7	8	4	2	6	5	2	4	197
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	115	13	13	15	10	11	12	19	22	23	34	41	23	29	30	30	26	12	21	10	13	16	538
512	Perfume Compositions	6	0	2	0	2	0	3	0	0	1	1	1	3	1	1	1	1	0	0	0	1	0	24
514	Drug, Bio-Affecting and Body Treating Compositions	946	156	151	173	126	121	117	148	185	208	248	268	242	277	243	201	152	128	120	114	81	100	4505
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	23	1	2	1	4	2	2	2	3	4	2	5	4	5	3	7	2	2	2	1	3	4	84
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof	5	1	0	0	1	0	2	2	1	0	1	0	1	4	1	0	2	1	2	3	1	0	28
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	183	12	8	14	20	17	8	16	8	13	17	18	9	15	11	16	5	8	1	3	2	3	407
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	15	1	1	1	3	2	1	6	5	1	2	5	4	2	1	6	3	3	3	1	0	0	66
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	149	9	16	12	11	13	11	16	13	11	20	15	13	14	12	12	6	4	6	7	3	4	377
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	237	20	16	24	33	22	28	26	32	24	40	29	25	22	27	30	18	17	23	13	12	15	733
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	155	9	24	20	19	19	12	13	10	12	15	11	10	14	13	11	9	5	7	13	5	3	409
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	80	3	5	9	5	10	9	1	7	4	9	9	8	14	8	23	8	6	6	2	3	4	233

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	18	3	2	1	1	2	1	3	0	1	1	0	2	0	0	1	1	0	1	0	0	0	38
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	136	11	11	15	14	23	13	11	6	11	15	12	9	14	15	7	7	12	9	13	9	6	379
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	154	14	6	13	20	13	17	13	13	36	45	38	18	40	30	34	31	12	17	25	29	21	639
534	Organic Compounds -- Part of the Class 532-570 Series	17	4	4	3	1	1	1	1	1	2	2	1	0	0	1	1	0	0	0	1	1	0	42
536	Organic Compounds -- Part of the Class 532-570 Series	79	7	12	7	11	11	5	15	24	18	34	31	19	31	20	25	17	14	22	21	13	17	453
540	Organic Compounds -- Part of the Class 532-570 Series	45	2	3	4	2	3	1	3	1	8	2	5	0	3	3	2	3	0	3	2	1	1	97
544	Organic Compounds -- Part of the Class 532-570 Series	59	2	4	3	3	6	6	4	3	2	2	4	3	1	3	3	5	5	5	1	0	0	124
546	Organic Compounds -- Part of the Class 532-570 Series	50	1	4	1	2	7	7	3	8	8	6	6	6	5	3	10	4	6	11	3	11	8	170
548	Organic Compounds -- Part of the Class 532-570 Series	51	5	6	5	7	4	4	5	6	2	4	7	2	2	3	3	2	3	4	4	2	3	134
549	Organic Compounds -- Part of the Class 532-570 Series	61	3	3	6	2	9	3	1	1	7	6	7	5	10	9	4	2	5	6	7	2	2	161
552	Organic Compounds -- Part of the Class 532-570 Series	22	2	0	5	1	0	0	1	0	0	1	2	0	1	1	1	2	0	0	1	0	0	40
554	Organic Compounds -- Part of the Class 532-570 Series	36	2	4	3	3	2	7	4	3	3	4	3	4	6	9	8	4	3	4	5	2	3	122
556	Organic Compounds -- Part of the Class 532-570 Series	42	1	3	6	4	5	2	6	6	6	3	8	3	4	2	9	2	3	1	5	5	1	127
558	Organic Compounds -- Part of the Class 532-570 Series	37	4	5	2	2	3	1	2	5	1	4	4	3	1	2	0	1	0	4	2	0	1	84
560	Organic Compounds -- Part of the Class 532-570 Series	51	4	8	7	4	3	5	6	5	6	4	4	1	7	7	4	3	0	1	3	3	2	138
562	Organic Compounds -- Part of the Class 532-570 Series	49	5	4	4	3	9	5	3	4	8	5	4	5	6	6	8	2	2	4	5	2	0	143
564	Organic Compounds -- Part of the Class 532-570 Series	40	5	4	4	6	2	2	10	3	4	3	2	5	10	7	3	2	2	6	4	1	0	125
568	Organic Compounds -- Part of the Class 532-570 Series	75	5	1	11	9	5	5	4	6	3	10	13	6	6	4	7	6	2	3	4	3	2	190
570	Organic Compounds -- Part of the Class 532-570 Series	15	2	1	0	5	0	0	0	1	4	2	3	1	5	0	0	0	0	0	2	0	0	41
585	Chemistry of Hydrocarbon Compounds	60	10	8	9	6	7	1	6	10	8	17	12	8	11	4	8	4	6	5	1	6	4	211
588	Hazardous or Toxic Waste Destruction or Containment	89	9	7	2	6	10	15	17	16	22	18	16	11	5	6	3	2	3	2	2	4	4	269
600	Surgery	1404	196	201	218	196	229	246	268	216	201	374	301	327	266	327	264	178	147	180	128	132	123	6122
601	Surgery: Kinesitherapy	408	51	48	62	67	41	36	60	51	40	73	43	49	69	50	49	45	41	68	66	47	23	1487
602	Surgery: Splint, Brace, or Bandage	559	65	72	80	62	56	62	76	58	71	121	102	109	80	70	95	63	63	69	32	36	45	2046
604	Surgery	1615	290	290	295	326	350	400	335	295	286	359	271	260	242	244	302	196	138	134	101	106	97	6932
606	Surgery	1142	168	159	213	230	252	289	275	310	393	438	433	394	328	277	320	188	149	146	145	82	103	6434
607	Surgery: Light, Thermal, and Electrical Application	372	49	55	59	54	47	47	58	60	43	74	74	84	84	75	75	59	48	45	57	33	28	1580
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	603	94	93	73	105	82	89	78	125	96	116	118	136	157	148	147	136	98	105	71	55	63	2788
700	Data Processing: Generic Control Systems or Specific Applications	167	29	22	31	31	26	36	29	51	35	52	45	45	55	60	84	74	63	77	58	65	50	1185
701	Data Processing: Vehicles, Navigation, and Relative Location	71	19	11	11	15	15	18	28	21	20	31	31	37	65	67	54	47	64	48	46	46	44	809
702	Data Processing: Measuring, Calibrating, or Testing	142	23	24	25	18	24	29	15	37	37	42	44	39	43	67	83	89	66	77	76	77	55	1132
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	10	4	2	4	5	4	4	4	6	15	15	14	9	12	19	11	9	20	38	25	27	22	279
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	54	9	11	14	13	9	14	12	12	15	35	35	18	37	28	19	23	12	29	25	30	23	477
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination	69	16	19	17	23	33	34	14	31	46	82	144	117	69	75	79	60	114	191	147	197	243	1820
706	Data Processing: Artificial Intelligence	5	3	6	8	5	7	7	14	15	11	36	16	21	19	22	28	20	11	21	16	17	34	342
707	Data Processing: Database and File Management or Data Structures	14	3	3	3	2	9	14	17	14	23	53	61	44	52	60	80	90	59	80	83	77	78	919
708	Electrical Computers: Arithmetic Processing and Calculating	138	21	13	11	13	22	16	10	18	14	17	15	13	9	14	10	12	10	13	9	9	14	421
709	Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring	8	0	3	0	2	5	1	7	14	9	40	34	46	45	51	43	63	52	72	76	56	108	735
710	Electrical Computers and Digital Data Processing Systems: Input/Output	37	3	7	8	4	7	6	8	12	15	21	18	23	16	12	23	16	15	21	17	11	27	327
711	Electrical Computers and Digital Processing Systems: Memory	35	6	5	7	5	6	7	10	13	15	15	11	12	11	10	15	13	13	24	18	28	31	310
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)	26	9	9	1	5	7	3	7	11	12	19	9	4	9	6	5	2	4	10	7	7	11	183
713	Electrical Computers and Digital Processing Systems: Support	18	10	7	11	8	9	11	10	14	17	23	14	21	24	18	16	15	23	45	34	33	46	427
714	Error Detection/Correction and Fault Detection/Recovery	60	10	5	11	9	4	14	15	14	16	20	13	10	19	11	23	24	19	20	38	26	60	441
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing	26	11	10	6	12	14	13	13	14	25	35	38	24	38	21	29	30	32	63	50	35	37	576
716	Data Processing: Design and Analysis of Circuit or Semiconductor Mask	4	2	0	0	1	0	2	2	3	6	8	4	2	14	19	23	19	10	28	32	26	30	235

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
717	Data Processing: Software Development, Installation, and Management	6	1	1	1	2	0	3	6	7	4	7	15	12	13	11	7	9	10	9	12	14	16	166
718	Electrical Computers and Digital Processing Systems: Virtual Machine Task or Process Management or Task Management/Control	1	0	1	1	0	1	2	5	1	2	6	3	5	2	0	0	1	3	2	2	5	6	49
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)	1	0	0	0	0	1	0	2	1	1	4	0	2	2	4	6	3	2	6	0	3	6	44
720	Dynamic Optical Information Storage or Retrieval	6	1	1	2	1	0	0	3	3	1	5	4	5	2	6	7	7	8	6	1	7	7	83
725	Interactive Video Distribution Systems	44	4	7	10	7	3	10	7	18	9	16	24	12	19	12	11	11	6	12	8	7	15	272
726	Information Security	11	1	4	0	3	0	5	2	3	4	11	15	16	15	11	11	12	17	31	20	15	33	240
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	10	1	1	2	0	2	3	5	2	8	27	24	13	14	18	14	16	15	16	15	20	12	238
850	Scanning-Probe Techniques or Apparatus; Applications of Scanning-Probe Techniques, e.g., Scanning Probe Microscopy [Spm]	7	0	1	0	2	1	2	1	6	3	3	2	1	1	0	4	3	1	0	0	0	0	38
SUBTOTAL	UTILITY CLASSES	158322	18132	17421	18205	17349	16615	17375	17508	18322	17701	22577	22867	22479	21786	20561	19674	17603	14760	16683	14089	12692	12611	535332
D00	** Design Classification Undetermined **	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
D01	Edible Products	51	3	17	17	8	12	12	8	17	19	20	24	25	28	14	6	26	12	13	13	22	20	387
D02	Apparel and Haberdashery	699	85	92	107	70	149	156	165	175	167	275	232	184	144	193	168	150	120	159	208	271	297	4266
D03	Travel Goods and Personal Belongings	876	63	153	175	161	213	210	195	202	199	261	278	248	220	210	210	184	163	260	226	242	233	5182
D04	Brushware	194	22	32	34	35	57	39	62	62	43	62	46	76	72	88	52	31	26	52	30	60	27	1202
D05	Textile or Paper Yard Goods; Sheet Material	40	5	4	2	5	4	2	6	2	9	9	6	14	18	5	16	9	5	12	11	16	10	210
D06	Furnishings	3084	220	313	389	405	561	449	600	541	485	624	586	653	593	627	528	413	311	427	599	482	490	13380
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified	1294	154	156	154	170	251	238	229	311	201	278	242	318	295	225	288	262	189	347	320	350	321	6593
D08	Tools and Hardware	1643	193	256	301	296	384	352	399	356	305	453	394	481	363	310	420	375	249	399	448	485	414	9276
D09	Packages and Containers for Goods	690	50	101	141	97	132	132	133	144	143	138	132	166	176	138	170	114	107	145	172	192	202	3615
D10	Measuring, Testing, or Signalling Instruments	959	72	110	187	147	241	245	240	172	160	242	237	203	180	178	145	157	131	154	184	213	157	4714
D11	Jewelry, Symbolic Insignia, and Ornaments	1095	82	88	132	111	145	163	171	153	161	185	176	202	213	211	166	164	153	198	215	252	199	4635
D12	Transportation	1187	136	220	210	241	253	251	233	298	244	337	253	332	247	221	254	285	237	277	317	331	315	6679
D13	Equipment for Production, Distribution, or Transformation of Energy	234	18	27	47	41	52	55	64	47	60	68	95	100	92	99	100	55	37	82	84	119	108	1684
D14	Recording, Communication, or Information Retrieval Equipment	597	59	86	106	86	137	114	144	149	147	175	164	217	167	167	174	158	89	150	170	164	165	3585
D15	Machines Not Elsewhere Specified	550	46	64	46	103	100	62	116	77	65	87	55	68	59	57	77	79	58	103	131	89	94	2186
D16	Photography and Optical Equipment	234	14	55	34	49	43	52	42	74	58	75	70	94	48	58	86	47	45	46	87	71	79	1461
D17	Musical Instruments	233	12	33	29	27	28	27	24	19	19	33	35	22	35	20	32	21	18	38	22	47	26	800
D18	Printing and Office Machinery	171	8	16	24	15	20	13	11	18	12	17	17	25	16	24	20	12	11	43	27	27	39	586
D19	Office Supplies; Artists' and Teachers' Materials	576	55	62	112	92	116	118	136	95	109	142	120	132	123	90	103	109	87	83	98	144	90	2792
D20	Sales and Advertising Equipment	235	17	43	47	34	57	55	56	40	75	85	62	64	54	22	70	55	35	41	47	34	45	1273
D21	Games, Toys, and Sports Goods	2400	269	300	424	392	385	435	426	378	383	555	405	455	434	341	299	273	260	354	314	358	273	10113
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment	568	75	54	49	66	89	96	103	113	81	86	111	92	86	100	93	72	71	108	115	88	109	2425
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment	1055	74	112	205	158	144	202	204	154	155	212	211	256	196	197	204	192	193	251	230	277	178	5060
D24	Medical and Laboratory Equipment	947	90	102	130	159	184	187	187	186	178	213	192	200	233	190	163	108	84	145	213	214	204	4509
D25	Building Units and Construction Elements	673	54	44	50	52	78	104	83	93	108	115	128	137	115	139	126	124	107	80	129	122	116	2777
D26	Lighting	513	62	62	99	88	84	128	136	174	146	209	162	253	311	260	249	199	135	228	283	288	233	4302
D27	Tobacco and Smokers' Supplies	192	4	9	13	4	7	14	18	19	17	44	49	34	35	34	36	35	35	57	57	40	21	774
D28	Cosmetic Products and Toilet Articles	442	64	126	53	35	65	86	75	74	91	89	84	158	133	93	102	98	61	77	63	71	80	2220
D29	Equipment for Safety, Protection, and Rescue	165	18	38	23	33	46	48	62	59	46	41	47	55	31	52	40	40	23	40	75	65	56	1103
D30	Animal Husbandry	443	32	41	68	62	88	83	77	82	92	69	73	119	60	60	62	61	68	86	77	106	86	1995
D32	Washing, Cleaning, or Drying Machine	296	28	61	55	39	54	82	89	70	85	86	67	64	49	56	68	40	30	50	88	85	64	1606
D34	Material or Article Handling Equipment	345	51	54	82	110	114	94	98	65	57	101	70	78	68	67	83	58	34	119	120	66	82	2016
D99	Miscellaneous	137	14	16	17	24	34	28	42	29	37	39	33	38	52	30	62	44	27	37	29	18	13	800
SUBTOTAL	DESIGN CLASSES	22818	2149	2947	3562	3415	4327	4332	4634	4448	4157	5425	4856	5563	4946	4576	4672	4050	3211	4661	5203	5409	4846	114207

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
PLT	Plants	828	188	98	119	75	101	97	78	83	91	124	101	91	125	261	232	156	105	199	163	267	270	3852
SUBTOTAL	PLANT CLASSES	828	188	98	119	75	101	97	78	83	91	124	101	91	125	261	232	156	105	199	163	267	270	3852
TOTAL	ALL CLASSES	181968	20469	20466	21886	20839	21043	21804	22220	22853	21949	28126	27824	28133	26857	25398	24578	21809	18076	21543	19455	18368	17727	653391

Patent Counts By Class By Year - Independent Inventors

PART A1

Granted: 01/01/1977 - 12/31/2009

A Patent Technology Monitoring Team Report

Part A1-2.

Patent Counts Based on ORIGINAL And CROSS-REFERENCE Classifications
with Duplicate Patents Eliminated Within ClassesNumber of Patents Granted as Distributed by Year of Patent Grant,
Breakout by U.S. Patent Classification System Class

Table A1-2, Breakout by U.S. Patent Classification System Class

Patent Counts Distributed by Year of Patent Grant

Patents Granted: 01/01/1977 - 12/31/2009

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
001	** Classification Undetermined **	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	1	2	0	1	10
002	Apparel	1865	275	263	356	308	254	268	272	363	400	472	549	472	456	390	278	299	246	274	193	165	132	8550
004	Baths, Closets, Sinks, and Spittoons	1809	225	229	259	218	247	271	217	204	225	271	347	277	273	299	253	222	168	176	159	135	86	6570
005	Beds	1835	246	288	288	288	244	244	243	281	262	294	292	298	253	222	234	244	230	209	143	168	168	6974
007	Compound Tools	310	48	46	51	39	62	56	38	51	41	53	51	63	67	45	38	48	37	47	47	18	20	1276
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	291	27	23	16	18	26	26	24	28	21	28	35	31	27	18	25	13	13	12	15	11	10	738
012	Boot and Shoe Making	135	9	10	7	4	8	8	6	4	6	9	18	8	10	4	9	8	8	7	6	6	3	293
014	Bridges	169	19	15	26	18	13	16	26	27	19	15	24	21	11	24	22	28	21	22	22	16	14	588
015	Brushing, Scrubbing, and General Cleaning	2560	293	272	319	255	252	298	290	317	267	362	404	414	328	289	283	217	167	158	178	175	158	8256
016	Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, Etc.)	980	163	94	113	91	97	126	113	159	136	181	151	141	142	179	148	131	104	100	86	61	77	3573
019	Textiles: Fiber Preparation	145	18	19	15	9	8	17	17	8	12	9	16	13	16	18	5	2	0	4	5	4	4	364
023	Chemistry: Physical Processes	56	4	3	2	5	0	6	3	1	1	4	1	4	2	3	2	1	0	1	2	0	2	103
024	Buckles, Buttons, Clasps, Etc.	1962	218	257	245	219	185	202	201	224	240	244	240	240	242	217	240	163	121	150	125	114	108	6157
026	Textiles: Cloth Finishing	69	12	5	7	2	4	3	5	7	7	4	6	5	4	4	0	1	0	2	3	1	2	153
027	Undertaking	75	9	12	11	7	8	11	11	5	16	16	13	9	15	11	18	7	3	9	18	17	13	314
028	Textiles: Manufacturing	158	11	15	7	14	13	10	14	13	13	11	15	15	8	7	5	13	6	6	6	3	4	367
029	Metal Working	3070	317	297	308	254	284	247	240	224	252	232	224	257	260	258	238	223	192	221	177	124	126	8025
030	Cutlery	1841	219	217	253	190	180	192	184	209	167	218	232	220	197	201	190	177	130	136	116	70	81	5620
033	Geometrical Instruments	2270	213	253	255	238	185	184	230	192	151	206	170	205	205	189	206	216	208	165	170	144	161	6416
034	Drying and Gas or Vapor Contact with Solids	913	66	67	70	76	89	79	77	69	71	79	103	107	71	67	51	52	49	46	34	43	19	2298
036	Boots, Shoes, and Leggings	923	110	111	81	77	90	92	100	96	113	173	149	128	117	105	107	107	83	83	77	73	65	3060
037	Excavating	653	72	63	64	67	64	41	50	62	53	64	80	78	63	75	53	51	47	47	28	24	48	1847
038	Textiles: Ironing or Smoothing	169	21	16	23	15	14	17	12	19	15	14	23	20	19	12	9	19	11	8	21	9	11	497
040	Card, Picture, or Sign Exhibiting	1993	277	225	264	221	231	259	246	232	232	259	295	312	305	289	289	251	191	189	180	165	152	7057
042	Firearms	791	99	105	128	74	79	102	108	90	100	108	99	69	103	126	140	114	84	77	85	81	79	2841
043	Fishing, Trapping, and Vermin Destroying	2060	368	265	235	257	242	262	188	251	164	167	307	251	187	217	239	202	156	152	119	123	133	6545
044	Fuel and Related Compositions	285	25	17	15	17	18	19	16	16	11	13	19	29	23	19	19	18	14	12	9	13	20	647
047	Plant Husbandry	1142	126	123	141	122	124	143	143	135	103	150	137	168	139	136	126	73	86	87	56	50	64	3574
048	Gas: Heating and Illuminating	314	21	10	9	11	4	10	14	6	5	8	11	12	8	3	8	10	9	10	9	4	12	508
049	Movable or Removable Closures	1089	131	99	97	96	70	92	108	127	104	104	120	127	111	99	85	94	69	87	56	37	50	3052
051	Abrasive Tool Making Process, Material, or Composition	121	13	13	14	22	18	15	14	10	22	7	7	11	6	9	7	8	5	3	6	6	5	342
052	Static Structures (e.g., Buildings)	5155	579	541	489	426	451	494	479	579	587	701	643	630	686	607	564	505	419	376	285	270	337	15803
053	Package Making	1000	96	87	105	78	79	70	91	93	83	98	94	81	77	66	68	77	70	47	39	57	57	2613
054	Harness for Working Animal	166	15	14	23	28	19	22	20	15	11	26	14	30	25	33	38	25	13	26	23	26	17	629
055	Gas Separation	851	94	94	88	105	91	49	71	72	55	90	93	80	85	71	67	76	49	50	46	41	46	2364

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
056	Harvesters	1025	84	122	117	105	95	94	118	96	54	84	100	95	70	77	64	60	68	53	27	38	36	2682
057	Textiles: Spinning, Twisting, and Twining	370	38	32	17	34	41	39	16	13	25	36	25	14	22	12	7	11	3	6	4	5	6	776
059	Chain, Staple, and Horseshoe Making	133	12	12	8	5	6	13	13	8	14	5	11	8	8	8	14	10	15	11	9	8	7	338
060	Power Plants	2030	130	101	108	114	121	101	95	89	93	130	118	116	132	123	108	120	113	151	95	75	79	4342
062	Refrigeration	1691	188	196	165	163	189	188	165	174	154	202	196	212	241	240	208	164	119	128	139	97	79	5298
063	Jewelry	275	31	31	37	48	39	25	49	39	47	39	38	41	33	42	47	34	28	35	31	35	18	1042
065	Glass Manufacturing	274	22	19	12	19	20	17	15	8	11	15	25	13	17	26	19	16	15	10	9	8	7	597
066	Textiles: Knitting	221	19	6	27	15	16	10	14	16	16	21	17	25	23	16	8	12	14	13	7	4	11	531
068	Textiles: Fluid Treating Apparatus	274	27	20	13	22	20	20	29	25	14	26	24	25	21	27	22	10	7	5	5	14	8	658
069	Leather Manufactures	54	4	2	6	1	0	1	1	2	1	2	0	1	2	2	2	2	1	0	1	1	1	87
070	Locks	1410	190	168	177	149	155	153	167	161	165	220	224	170	128	178	163	141	125	105	97	94	88	4628
071	Chemistry: Fertilizers	219	21	13	10	25	14	17	20	18	25	23	24	17	25	32	24	16	9	7	6	9	8	582
072	Metal Deforming	1275	122	103	97	69	78	73	63	80	91	107	101	96	79	60	64	62	53	94	78	48	46	2939
073	Measuring and Testing	3416	410	317	364	285	285	292	305	337	270	335	310	275	287	304	315	271	239	253	234	259	191	9554
074	Machine Element or Mechanism	2287	257	203	224	226	196	197	185	210	183	200	226	196	171	151	137	112	95	108	110	67	79	5820
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	396	29	25	24	25	22	32	32	20	20	29	23	19	37	34	23	17	8	12	11	9	12	859
076	Metal Tools and Implements, Making	281	28	24	22	28	21	14	22	17	27	15	16	26	13	12	10	7	7	9	6	5	10	620
079	Button Making	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	3
081	Tools	1528	201	188	204	160	183	179	143	186	149	190	256	300	317	252	191	213	230	272	223	153	89	5807
082	Turning	361	18	21	29	30	19	22	10	22	30	35	26	19	28	21	38	21	18	16	11	7	4	806
083	Cutting	1731	172	167	176	172	141	123	102	115	102	136	147	138	118	83	120	134	84	103	84	53	57	4258
084	Music	1432	134	128	136	112	111	128	146	162	118	167	189	196	184	148	150	132	106	146	161	168	194	4548
086	Ammunition and Explosive-Charge Making	105	15	3	13	7	13	7	6	2	4	8	3	6	4	8	7	3	6	8	4	2	14	248
087	Textiles: Braiding, Netting, and Lace Making	46	6	3	4	3	7	5	0	5	7	5	9	3	3	6	5	5	1	3	5	2	1	134
089	Ordinance	355	42	70	35	44	50	43	51	35	47	48	48	37	55	54	59	57	55	45	50	55	47	1382
091	Motors: Expansible Chamber Type	726	45	37	39	42	42	40	19	21	26	25	18	20	20	15	19	17	9	14	16	10	9	1229
092	Expansible Chamber Devices	701	71	65	70	46	49	59	46	38	25	40	36	38	40	38	32	18	19	15	25	17	17	1505
095	Gas Separation: Processes	347	39	38	43	48	46	30	41	51	46	37	47	32	51	50	41	29	40	27	19	31	21	1154
096	Gas Separation: Apparatus	687	63	82	60	75	65	41	41	56	54	56	74	57	75	74	49	61	52	49	47	43	37	1898
099	Foods and Beverages: Apparatus	1404	146	148	141	130	144	147	179	173	182	215	212	223	231	156	136	132	98	116	72	73	51	4509
100	Presses	800	71	60	68	91	78	75	67	57	75	72	51	43	37	28	34	30	23	39	30	39	33	1901
101	Printing	758	69	68	74	69	67	78	84	53	55	83	64	69	71	54	57	66	38	55	27	20	25	2004
102	Ammunition and Explosives	357	39	41	43	50	44	37	43	24	30	31	37	18	46	41	43	39	36	37	36	31	34	1137
104	Railways	492	46	36	39	36	33	32	47	36	41	39	34	26	34	42	43	35	29	21	12	22	33	1208
105	Railway Rolling Stock	391	31	30	21	26	28	21	24	26	22	26	13	20	27	18	19	13	18	15	12	10	11	822
106	Compositions: Coating or Plastic	818	59	44	79	64	82	95	76	66	73	83	78	69	69	63	79	67	38	38	41	28	27	2136
108	Horizontally Supported Planar Surfaces	1106	144	116	122	134	89	128	125	145	143	161	146	189	145	124	122	128	85	91	58	69	74	3644
109	Safes, Bank Protection, or a Related Device	224	28	20	19	9	16	15	14	11	17	22	21	18	6	22	12	6	9	10	10	12	8	529
110	Furnaces	658	44	61	59	53	62	76	44	41	34	44	37	37	36	31	21	20	21	25	8	19	15	1446
111	Planting	344	22	34	25	26	18	27	32	36	27	22	29	33	42	25	30	21	20	26	9	19	26	893
112	Sewing	392	35	22	39	35	26	22	27	31	29	46	43	35	40	31	18	24	22	24	14	15	12	982
114	Ships	1961	262	260	246	199	199	199	182	198	191	212	221	233	193	179	191	150	209	207	166	137	131	6126
116	Signals and Indicators	973	124	119	142	86	98	118	95	110	93	85	118	117	97	94	85	85	64	79	61	65	56	2964
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	105	2	9	7	7	5	8	13	7	6	16	9	12	9	5	7	6	3	6	11	17	8	278
118	Coating Apparatus	865	73	68	98	69	76	84	79	67	77	94	92	71	73	63	61	59	35	43	26	27	29	2229
119	Animal Husbandry	1603	169	205	248	263	212	222	202	237	227	342	290	276	257	312	303	232	211	236	200	140	133	6520
122	Liquid Heaters and Vaporizers	564	45	35	29	22	22	38	22	27	21	28	31	27	29	16	34	21	18	17	12	13	18	1089
123	Internal-Combustion Engines	2603	218	198	224	199	181	178	165	178	160	194	183	162	231	176	182	170	156	180	160	148	123	6369

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
124	Mechanical Guns and Projectors	619	86	64	72	76	79	82	91	87	105	82	72	73	76	75	98	101	69	72	66	56	61	2262
125	Stone Working	197	16	20	16	18	15	13	14	13	20	15	16	26	21	15	22	27	25	29	16	14	8	576
126	Stoves and Furnaces	3662	195	167	149	125	157	145	137	150	124	152	176	183	151	94	126	117	103	71	41	32	53	6310
127	Sugar, Starch, and Carbohydrates	65	1	4	4	12	5	7	8	5	4	7	10	6	5	6	2	3	2	2	3	1	0	162
128	Surgery	1790	290	291	356	317	298	369	368	374	345	437	369	372	327	296	312	266	225	235	156	129	122	8044
131	Tobacco	441	34	27	28	29	10	20	22	27	29	51	43	42	18	22	24	29	10	12	10	6	12	946
132	Toilet	742	99	109	133	97	97	115	102	129	127	200	247	181	133	108	103	78	38	70	84	57	48	3097
134	Cleaning and Liquid Contact with Solids	958	122	104	140	120	109	110	137	125	104	140	182	158	132	133	104	80	68	58	58	53	58	3253
135	Tent, Canopy, Umbrella, or Cane	620	123	98	102	89	109	139	101	128	133	137	121	132	161	119	119	126	105	81	105	100	89	3037
136	Batteries: Thermoelectric and Photoelectric	395	29	21	24	23	19	22	24	26	24	26	18	27	22	23	17	24	16	14	10	2	20	826
137	Fluid Handling	3434	385	325	329	344	311	335	264	259	266	309	365	372	359	236	238	208	206	213	174	139	119	9190
138	Pipes and Tubular Conduits	1016	94	79	92	84	74	75	76	74	58	81	112	101	86	82	64	62	50	48	34	35	51	2528
139	Textiles: Weaving	206	22	9	21	16	12	15	23	15	11	15	12	12	12	9	1	15	8	10	2	3	3	452
140	Wireworking	201	10	15	10	8	8	13	12	12	10	15	17	12	13	5	9	6	11	14	8	4	6	419
141	Fluent Material Handling, with Receiver or Receiver Coacting Means	953	114	92	109	104	102	115	120	124	98	108	140	129	129	116	94	115	91	71	69	48	53	3094
142	Wood Turning	33	1	5	7	5	2	3	4	3	5	3	6	4	2	0	5	0	0	2	1	0	1	92
144	Woodworking	1021	98	90	98	97	74	82	72	68	82	82	96	89	81	83	84	60	44	66	49	37	41	2594
147	Coopering	4	1	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	1	0	0	0	0	10
148	Metal Treatment	282	23	31	27	36	32	39	29	16	23	26	26	30	39	36	44	36	13	11	8	13	14	834
149	Explosive and Thermic Compositions or Charges	86	5	4	5	2	4	5	3	8	5	7	2	2	3	1	4	3	5	2	0	0	2	158
150	Purses, Wallets, and Protective Covers	226	43	62	62	40	45	43	46	57	52	63	66	76	74	57	45	39	30	34	28	31	28	1247
152	Resilient Tires and Wheels	342	47	28	28	23	29	33	19	24	20	27	29	28	27	25	36	22	25	30	22	14	16	894
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	2325	214	205	183	207	189	205	225	184	176	238	232	205	230	188	190	162	98	103	95	70	69	5993
157	Wheelwright Machines	95	6	8	7	8	6	4	5	6	3	4	5	7	8	3	3	2	8	5	5	6	4	208
159	Concentrating Evaporators	173	12	17	8	10	14	11	14	7	11	15	9	5	7	13	6	11	9	7	3	8	9	379
160	Flexible or Portable Closure, Partition, or Panel	886	137	129	149	128	111	105	129	138	126	148	148	174	144	131	124	112	89	90	81	65	61	3405
162	Paper Making and Fiber Liberation	259	20	26	22	20	27	26	21	24	28	29	20	21	27	14	17	10	10	11	13	11	17	673
163	Needle and Pin Making	3	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	8
164	Metal Founding	522	43	43	27	22	32	34	25	34	23	28	16	11	31	41	30	14	17	20	8	12	6	1039
165	Heat Exchange	1992	117	111	91	115	99	118	103	107	67	125	115	103	143	107	94	127	82	95	70	58	42	4081
166	Wells	983	93	88	100	116	89	107	91	89	76	111	90	118	153	102	106	92	73	102	102	99	79	3059
168	Farriery	58	10	10	16	14	11	5	2	6	8	7	5	12	9	11	10	7	9	3	7	6	12	238
169	Fire Extinguishers	265	27	26	36	38	26	24	19	38	41	41	58	54	39	42	31	25	27	28	24	15	20	944
171	Unearthing Plants or Buried Objects	104	0	10	7	9	10	13	4	3	2	5	5	6	3	5	1	2	3	6	0	1	2	201
172	Earth Working	1118	95	110	75	68	64	67	95	82	67	97	84	87	75	68	62	46	49	49	17	18	32	2525
173	Tool Driving or Impacting	462	50	37	43	38	24	31	30	34	23	41	36	46	30	24	39	39	30	27	27	22	14	1147
174	Electricity: Conductors and Insulators	895	97	87	96	94	90	90	76	90	87	147	133	108	155	160	125	141	144	129	96	99	110	3249
175	Boring or Penetrating the Earth	903	85	81	83	84	61	61	73	68	48	74	67	69	72	67	76	57	52	65	78	71	70	2365
177	Weighing Scales	330	38	27	22	24	24	16	16	11	19	30	19	18	19	22	26	21	11	14	25	15	19	766
178	Telegraphy	89	6	3	8	4	6	4	4	11	5	9	6	8	4	6	7	0	4	2	4	3	4	197
180	Motor Vehicles	1537	156	112	141	127	114	146	141	150	118	142	164	146	138	167	149	123	145	145	129	127	112	4429
181	Acoustics	674	73	74	54	58	69	52	44	47	51	66	79	79	53	63	63	46	48	30	27	41	50	1841
182	Fire Escape, Ladder, or Scaffold	1310	128	137	155	150	99	134	101	112	111	154	166	152	100	124	113	142	105	117	96	50	41	3797
184	Lubrication	284	37	48	39	37	37	39	53	55	28	35	41	40	46	30	25	22	19	17	14	11	6	963
185	Motors: Spring, Weight, or Animal Powered	68	7	5	2	4	2	1	1	4	5	2	4	6	5	5	4	2	5	1	1	1	2	137
186	Merchandising	56	3	2	6	9	4	3	11	7	6	5	8	4	5	6	3	6	0	4	2	0	1	151
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	227	16	19	27	27	28	37	25	30	27	24	36	25	21	26	25	13	12	21	25	16	14	721
188	Brakes	941	114	91	78	71	79	97	98	104	85	111	108	110	91	115	75	67	65	66	47	48	39	2700
190	Trunks and Hand-Carried Luggage	276	43	42	42	41	40	36	48	58	49	50	55	43	50	52	45	24	26	22	23	23	23	1111
191	Electricity: Transmission To Vehicles	109	5	8	5	9	5	12	8	6	10	9	9	14	21	18	10	6	9	5	4	3	5	290

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
192	Clutches and Power-Stop Control	547	53	42	61	45	34	40	31	67	46	32	59	49	44	36	38	30	28	30	19	18	12	1361
193	Conveyors, Chutes, Skids, Guides, and Ways	218	16	14	16	16	19	10	16	11	9	10	11	17	18	19	9	5	5	12	8	10	6	475
194	Check-Actuated Control Mechanisms	198	11	13	21	16	18	14	21	23	16	12	17	10	15	9	11	8	4	8	6	4	5	460
196	Mineral Oils: Apparatus	45	2	6	1	2	2	4	4	3	1	9	8	1	6	3	1	1	1	0	1	0	0	101
198	Conveyors: Power-Driven	1408	130	137	129	135	111	117	84	76	76	89	82	101	103	104	80	72	55	60	52	59	42	3302
200	Electricity: Circuit Makers and Breakers	1314	137	117	118	104	93	95	92	95	93	119	103	80	64	81	72	77	61	61	68	51	42	3137
201	Distillation: Processes, Thermolytic	139	11	3	2	10	3	6	7	3	3	5	4	4	3	3	3	4	1	5	1	2	4	226
202	Distillation: Apparatus	418	22	32	15	17	21	19	21	16	21	23	18	21	10	20	12	12	8	12	5	11	13	767
203	Distillation: Processes, Separatory	354	31	48	22	35	39	25	52	19	30	40	28	18	12	24	11	8	10	8	2	8	10	834
204	Chemistry: Electrical and Wave Energy	926	107	102	81	108	88	94	117	86	88	92	75	103	135	84	73	74	50	38	36	55	30	2642
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	543	34	36	32	49	51	63	54	41	39	51	42	47	68	52	30	37	21	26	31	21	20	1388
206	Special Receptacle or Package	3382	536	504	512	461	494	457	448	431	441	626	590	582	494	416	394	333	296	250	249	240	234	12370
208	Mineral Oils: Processes and Products	261	26	22	16	19	12	15	15	26	12	18	30	15	19	11	14	9	4	10	7	10	11	582
209	Classifying, Separating, and Assorting Solids	885	80	74	81	75	97	74	65	53	57	59	72	59	50	54	37	40	40	37	25	28	31	2073
210	Liquid Purification or Separation	2966	356	324	363	403	372	325	334	368	344	367	399	370	420	337	306	273	253	242	235	221	210	9788
211	Supports: Racks	1780	236	214	270	251	221	214	196	262	220	300	287	284	238	216	222	180	166	159	123	99	103	6241
212	Traversing Hoists	290	30	24	24	17	19	17	23	25	19	25	28	34	22	25	23	15	18	12	17	21	14	742
213	Railway Draft Appliances	41	3	1	3	3	0	2	0	2	0	2	1	3	4	2	1	5	2	5	1	1	1	83
215	Bottles and Jars	943	134	117	119	97	92	87	103	90	96	101	112	121	96	88	73	64	55	49	40	34	50	2761
216	Etching a Substrate: Processes	151	12	13	18	17	11	21	24	11	10	17	14	13	18	23	23	27	11	15	10	18	9	486
217	Wooden Receptacles	130	13	11	7	8	9	8	4	5	6	7	4	7	6	4	5	1	3	3	1	3	1	246
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices	33	3	2	1	1	3	3	1	6	1	1	1	3	4	0	0	2	0	1	0	0	1	67
219	Electric Heating	1877	204	201	177	156	167	154	169	153	148	206	200	257	191	172	164	182	134	152	111	73	77	5325
220	Receptacles	2656	384	401	403	385	413	368	346	389	328	417	437	429	390	350	319	274	222	241	195	179	203	9729
221	Article Dispensing	713	61	69	86	81	70	78	65	76	49	81	76	72	77	102	87	61	52	66	40	42	42	2146
222	Dispensing	2680	306	283	334	309	293	325	292	296	250	291	383	308	308	283	206	231	214	221	145	131	110	8199
223	Apparel Apparatus	398	41	50	56	45	30	29	32	47	64	51	60	75	64	36	24	39	24	29	39	30	13	1276
224	Package and Article Carriers	1731	263	289	286	248	266	267	290	308	303	335	347	314	297	248	241	214	138	130	136	76	96	6823
225	Severing by Tearing or Breaking	220	32	21	27	32	14	17	15	22	10	22	23	23	11	16	27	17	19	14	14	11	12	619
226	Advancing Material of Indeterminate Length	362	24	24	14	11	17	10	18	14	14	17	14	10	11	7	4	6	4	4	5	5	1	596
227	Elongated-Member-Driving Apparatus	357	43	23	29	30	37	31	33	26	36	30	35	37	28	41	37	37	35	28	22	11	17	1003
228	Metal Fusion Bonding	511	49	47	36	43	43	30	42	39	32	26	41	42	43	34	39	33	25	17	9	10	16	1207
229	Envelopes, Wrappers, and Paperboard Boxes	794	131	117	140	104	105	98	95	78	85	115	106	107	104	83	73	37	57	45	43	27	20	2564
231	Whips and Whip Apparatus	13	1	1	2	3	0	1	0	0	1	0	1	3	0	1	1	2	1	1	1	3	2	38
232	Deposit and Collection Receptacles	257	32	42	45	25	27	18	39	23	29	19	30	24	21	14	20	24	22	32	41	30	20	834
234	Selective Cutting (e.g., Punching)	8	2	0	0	2	0	0	0	0	0	2	1	0	1	0	0	1	0	1	0	1	1	20
235	Registers	672	86	64	54	55	54	67	93	84	76	80	118	119	73	100	129	128	89	138	131	118	100	2628
236	Automatic Temperature and Humidity Regulation	583	49	32	23	33	27	38	29	20	18	25	25	39	24	32	25	22	20	21	18	21	11	1135
237	Heating Systems	665	39	36	29	19	24	20	12	18	15	14	30	29	23	15	20	18	9	10	8	3	8	1064
238	Railways: Surface Track	150	16	18	14	17	13	9	15	20	10	22	12	12	15	13	14	10	8	8	5	6	2	409
239	Fluid Sprinkling, Spraying, and Diffusing	2118	224	224	201	195	202	252	168	139	191	249	265	292	221	214	205	181	146	168	112	114	93	6174
241	Solid Material Comminution or Disintegration	850	95	89	89	90	128	107	99	96	83	95	116	87	59	74	85	61	52	64	70	58	79	2626
242	Winding, Tensioning, or Guiding	1498	139	124	111	97	112	115	97	114	118	128	156	133	122	142	125	84	85	86	70	99	63	3818
244	Aeronautics and Astronautics	974	114	79	114	127	103	87	67	81	59	107	110	120	119	129	122	113	91	98	72	53	70	3009
245	Wire Fabrics and Structure	14	2	0	2	0	3	2	1	2	2	0	3	1	1	1	0	2	2	2	1	1	0	42
246	Railway Switches and Signals	65	5	6	7	3	8	7	14	6	9	15	8	16	16	15	16	9	5	5	9	9	8	261
248	Supports	4391	597	632	713	661	569	577	548	604	551	749	673	741	651	659	607	508	397	411	413	315	399	16366
249	Static Molds	747	72	54	57	48	44	57	35	45	61	60	51	49	50	49	42	33	30	39	29	12	20	1684
250	Radiant Energy	1474	206	168	182	167	146	124	173	148	154	175	169	141	142	138	170	154	109	155	133	130	130	4688
251	Valves and Valve Actuation	1581	169	136	135	165	141	153	138	117	107	124	138	147	136	100	98	92	111	111	74	63	53	4089

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
252	Compositions	718	60	56	56	60	46	49	64	80	68	66	75	72	74	74	62	57	33	34	36	22	25	1887
254	Implements or Apparatus for Applying Pushing or Pulling Force	1237	115	105	92	99	114	96	102	89	101	95	132	137	124	106	119	105	98	110	89	77	60	3402
256	Fences	423	49	33	54	52	34	53	52	54	61	55	64	57	52	51	72	63	53	44	33	42	39	1490
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	532	66	68	82	86	76	111	132	119	130	162	175	176	238	241	247	236	174	205	166	185	137	3744
258	Railway Mail Delivery	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
260	Chemistry of Carbon Compounds	51	3	2	3	1	1	1	0	0	1	0	2	0	1	0	0	0	0	0	0	0	0	66
261	Gas and Liquid Contact Apparatus	1217	77	76	81	84	59	58	62	58	57	59	52	60	65	52	43	47	37	30	35	29	45	2383
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	2342	234	252	221	225	260	250	209	226	202	269	234	225	206	196	193	159	100	120	94	49	73	6339
266	Metallurgical Apparatus	415	29	15	22	19	19	22	30	19	26	21	17	29	17	19	19	23	7	8	8	8	17	809
267	Spring Devices	487	71	46	47	36	33	43	38	42	28	37	45	27	30	44	27	31	19	28	24	24	20	1227
269	Work Holders	1128	148	146	95	121	94	95	73	109	77	106	113	109	92	86	95	77	50	68	51	32	36	3001
270	Sheet-Material Associating	105	8	12	6	5	6	9	5	5	3	7	3	9	4	3	4	5	9	3	3	3	0	217
271	Sheet Feeding or Delivering	385	34	26	31	33	33	19	29	21	11	19	18	20	14	16	13	9	10	10	7	6	8	772
273	Amusement Devices: Games	2689	301	300	341	307	295	359	325	302	303	371	322	287	297	303	290	207	162	183	176	155	151	8426
277	Seal for a Joint or Juncture	602	53	55	49	47	36	50	41	45	38	29	38	30	58	57	34	36	30	22	25	15	14	1404
278	Land Vehicles: Animal Draft Appliances	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5
279	Chucks or Sockets	445	39	44	53	34	28	34	31	30	24	34	44	23	39	17	25	10	29	14	17	13	18	1045
280	Land Vehicles	4317	506	415	481	442	495	565	515	518	392	600	576	652	620	628	530	495	441	450	439	390	358	14825
281	Books, Strips, and Leaves	353	61	62	61	52	57	47	58	49	59	73	79	65	43	46	31	26	24	26	13	10	13	1308
283	Printed Matter	486	73	89	67	81	89	85	73	67	66	102	116	101	79	56	45	34	36	31	25	16	11	1828
285	Pipe Joints or Couplings	1389	160	113	139	126	116	134	109	95	96	121	156	110	105	97	103	84	67	70	64	79	51	3584
289	Knots and Knot Tying	86	6	3	6	5	3	4	7	7	12	5	8	7	12	8	6	6	5	5	2	3	6	212
290	Prime-Mover Dynamo Plants	588	25	18	18	19	10	24	30	13	18	34	23	36	37	32	22	69	64	79	73	90	82	1404
291	Track Sanders	16	2	1	0	2	0	0	0	3	0	0	1	2	1	2	1	1	4	1	0	0	1	38
292	Closure Fasteners	1107	123	101	137	122	84	88	90	115	110	99	114	107	75	111	102	75	68	69	72	56	44	3069
293	Vehicle Fenders	174	22	28	23	22	17	13	9	10	19	17	20	13	21	14	22	14	14	14	11	16	8	521
294	Handling: Hand and Hoist-Line Implements	1995	231	201	191	178	186	178	206	195	185	237	212	209	134	188	136	89	101	108	108	92	77	5437
295	Railway Wheels and Axles	20	0	2	2	1	0	0	2	3	1	0	2	1	2	1	2	1	0	0	0	1	0	41
296	Land Vehicles: Bodies and Tops	1427	198	226	231	188	161	155	154	184	168	215	210	257	260	192	204	211	169	184	175	145	135	5449
297	Chairs and Seats	1689	268	233	235	224	182	281	224	279	247	295	316	355	267	260	260	252	207	236	176	210	170	6866
298	Land Vehicles: Dumping	210	20	16	26	15	19	13	15	13	11	16	14	18	15	12	17	28	11	13	7	7	10	526
299	Mining or In Situ Disintegration of Hard Material	396	35	26	28	24	33	11	20	15	22	20	20	25	19	19	21	15	11	19	11	31	27	848
300	Brush, Broom, and Mop Making	44	4	3	9	5	5	5	6	2	6	6	6	1	6	1	5	2	1	2	3	3	0	125
301	Land Vehicles: Wheels and Axles	305	26	42	45	44	39	42	36	52	30	43	46	54	56	55	53	45	33	39	36	31	19	1171
303	Fluid-Pressure and Analogous Brake Systems	127	11	16	9	14	21	16	21	13	17	13	16	13	16	21	15	8	7	6	1	8	4	393
305	Wheel Substitutes for Land Vehicles	99	10	6	6	3	9	11	13	4	8	10	10	14	10	11	10	4	4	5	3	5	2	257
307	Electrical Transmission or Interconnection Systems	759	95	60	63	63	61	59	73	105	103	121	126	93	60	62	77	65	37	65	46	36	51	2280
310	Electrical Generator or Motor Structure	879	93	59	70	79	77	66	72	69	69	104	101	90	106	94	85	116	87	87	56	68	77	2604
312	Supports: Cabinet Structure	1291	122	121	103	138	125	117	125	145	126	174	170	172	118	139	126	106	78	76	63	55	49	3739
313	Electric Lamp and Discharge Devices	370	40	42	34	30	21	22	32	39	27	41	58	37	47	42	49	42	32	44	25	28	29	1131
314	Electric Lamp and Discharge Devices: Consumable Electrodes	10	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	13
315	Electric Lamp and Discharge Devices: Systems	652	89	91	104	64	66	50	85	73	49	79	71	91	94	73	97	65	72	69	54	39	43	2170
318	Electricity: Motive Power Systems	695	68	78	61	45	49	65	69	62	44	71	52	64	55	49	39	35	36	37	34	32	45	1785
320	Electricity: Battery or Capacitor Charging or Discharging	177	19	14	13	29	41	28	19	36	42	42	46	47	54	46	44	38	27	23	25	16	30	856
322	Electricity: Single Generator Systems	137	8	6	11	10	10	4	3	13	11	8	5	7	8	4	8	9	16	11	7	10	11	317
323	Electricity: Power Supply or Regulation Systems	236	34	21	27	23	20	18	11	25	19	27	21	30	30	39	21	17	20	17	17	8	17	698
324	Electricity: Measuring and Testing	1209	171	134	128	130	113	108	146	148	104	148	119	132	154	166	139	127	112	144	109	112	90	3943
326	Electronic Digital Logic Circuitry	44	7	8	6	11	9	18	8	11	12	15	11	9	12	17	12	13	11	8	19	18	24	303
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	416	37	34	26	37	26	35	29	37	18	42	39	38	36	34	30	29	24	33	22	29	30	1081
329	Demodulators	45	3	0	6	4	3	3	8	4	2	2	3	3	2	2	0	2	0	1	2	1	4	100

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
330	Amplifiers	225	31	12	17	16	8	9	9	19	16	22	21	19	25	16	23	22	7	22	17	26	23	605
331	Oscillators	186	14	13	15	6	8	7	6	13	9	17	17	9	14	8	10	7	8	5	10	7	17	406
332	Modulators	52	3	3	6	2	2	3	7	6	2	2	5	5	4	7	1	2	3	3	7	0	5	130
333	Wave Transmission Lines and Networks	256	32	24	24	25	25	24	26	25	19	30	25	27	21	24	30	20	29	20	15	19	24	764
334	Tuners	23	0	1	0	0	0	0	2	0	0	0	0	1	0	0	1	0	0	0	1	0	0	29
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets	358	26	19	23	20	25	27	21	29	26	23	31	24	25	19	28	23	33	26	22	21	17	866
336	Inductor Devices	177	17	15	10	11	10	15	15	19	13	17	17	12	10	12	18	28	21	24	14	5	11	491
337	Electricity: Electrothermally or Thermally Actuated Switches	228	16	13	15	15	10	7	10	11	18	21	27	22	20	18	23	16	9	18	13	7	9	546
338	Electrical Resistors	305	28	31	25	22	17	12	6	14	13	14	13	20	8	10	9	7	4	6	7	4	4	579
340	Communications: Electrical	2926	462	349	355	318	274	298	354	429	455	544	532	569	518	464	359	431	425	553	424	473	386	11898
341	Coded Data Generation or Conversion	282	52	33	23	30	37	23	37	40	56	54	50	53	51	57	51	36	39	44	45	38	42	1173
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	339	30	37	28	34	44	47	38	61	46	73	66	68	87	72	62	55	66	59	53	56	58	1479
343	Communications: Radio Wave Antennas	376	44	35	45	13	31	26	38	38	30	47	54	55	61	58	35	38	51	53	60	55	45	1288
345	Computer Graphics Processing and Selective Visual Display Systems	346	73	57	49	55	39	74	76	91	113	132	152	183	182	165	158	136	143	173	151	125	124	2797
346	Recorders	212	19	13	14	8	5	4	5	7	2	3	6	2	4	3	1	1	1	0	2	2	0	314
347	Incremental Printing of Symbolic Information	139	20	17	14	14	10	17	19	19	21	33	21	28	25	35	33	27	26	44	28	43	15	648
348	Television	768	117	139	143	138	107	127	140	168	171	209	200	184	192	157	154	172	131	211	155	165	132	4080
349	Liquid Crystal Cells, Elements and Systems	95	13	14	10	17	8	7	26	23	17	16	16	16	25	17	23	19	28	20	10	15	15	450
351	Optics: Eye Examining, Vision Testing and Correcting	551	122	100	90	88	73	78	98	85	93	101	132	130	111	107	110	110	97	93	115	118	96	2698
352	Optics: Motion Pictures	294	16	26	32	18	19	11	13	16	15	17	22	11	11	10	12	16	4	10	8	6	7	594
353	Optics: Image Projectors	285	14	19	15	16	21	17	25	15	15	17	25	18	15	20	13	33	20	27	17	29	21	697
355	Photocopying	454	34	19	29	25	17	23	15	10	16	15	18	7	19	10	14	9	12	15	8	6	7	782
356	Optics: Measuring and Testing	928	109	98	112	104	108	84	111	112	110	129	131	124	67	91	98	101	93	102	97	89	74	3072
358	Facsimile and Static Presentation Processing	158	26	24	31	32	22	34	43	41	30	36	56	33	19	30	30	34	20	56	42	31	64	892
359	Optical: Systems and Elements	1644	190	226	170	186	160	160	152	146	120	186	202	189	217	223	184	171	169	186	147	143	121	5292
360	Dynamic Magnetic Information Storage or Retrieval	502	59	47	45	42	48	43	39	47	30	44	26	30	34	31	34	21	12	21	13	6	14	1188
361	Electricity: Electrical Systems and Devices	1115	152	105	117	131	109	102	139	146	149	204	173	193	197	193	190	211	158	148	153	152	143	4380
362	Illumination	1634	254	265	297	274	214	271	300	324	314	404	383	482	482	428	480	414	373	462	394	315	308	9072
363	Electric Power Conversion Systems	265	43	28	29	26	36	24	22	30	33	35	32	38	39	41	29	22	21	23	24	14	26	880
365	Static Information Storage and Retrieval	122	19	11	23	19	31	33	28	34	37	40	34	38	30	25	33	22	33	39	29	35	72	787
366	Agitating	1017	91	93	81	68	71	79	94	98	77	103	98	86	93	69	55	55	49	43	38	47	36	2541
367	Communications, Electrical: Acoustic Wave Systems and Devices	400	45	65	40	59	63	30	38	38	38	38	38	35	32	29	23	26	26	27	26	47	27	1190
368	Horology: Time Measuring Systems or Devices	512	48	56	56	56	58	65	37	38	53	62	55	52	66	67	47	59	40	55	39	48	37	1606
369	Dynamic Information Storage or Retrieval	351	28	19	27	23	25	24	42	28	32	42	27	34	29	30	35	21	18	27	15	12	29	918
370	Multiplex Communications	168	30	21	19	23	20	13	43	57	42	62	54	56	53	44	46	59	61	117	110	113	184	1395
372	Coherent Light Generators	193	34	46	31	16	24	28	32	28	31	27	23	21	22	22	36	44	32	29	18	22	30	789
373	Industrial Electric Heating Furnaces	134	6	9	6	9	5	9	9	7	2	4	9	19	8	11	4	8	2	3	0	3	6	273
374	Thermal Measuring and Testing	545	58	47	46	41	34	34	23	41	38	61	31	44	42	34	38	34	32	33	33	36	18	1343
375	Pulse or Digital Communications	200	37	25	36	35	20	32	41	62	63	71	76	65	47	57	53	60	59	104	93	73	86	1395
376	Induced Nuclear Reactions: Processes, Systems, and Elements	324	16	22	16	22	22	16	17	21	16	17	10	8	9	5	9	8	6	2	3	1	3	573
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	311	31	13	13	15	14	12	12	12	6	4	6	11	8	8	3	8	5	6	1	0	0	499
378	X-Ray or Gamma Ray Systems or Devices	378	40	43	55	51	44	35	33	48	26	47	31	41	34	37	33	24	36	49	43	43	54	1225
379	Telephonic Communications	734	128	98	103	94	54	82	108	123	111	148	126	121	110	92	109	116	106	111	99	74	95	2942
380	Cryptography	106	15	32	41	23	29	34	22	27	44	43	26	39	30	25	16	20	27	36	26	27	41	729
381	Electrical Audio Signal Processing Systems and Devices	687	102	85	59	69	69	65	56	72	81	151	79	87	56	91	93	91	74	92	82	59	71	2371
382	Image Analysis	145	26	25	39	30	40	25	43	55	63	73	95	88	71	71	87	91	84	144	117	93	126	1631
383	Flexible Bags	641	109	107	121	84	92	93	104	83	75	101	122	122	106	68	57	46	42	47	42	36	32	2330
384	Bearings	550	53	57	48	51	46	65	56	44	33	47	36	32	55	47	35	19	21	19	15	19	13	1361

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
385	Optical Waveguides	267	49	57	63	34	39	57	42	55	46	87	80	75	72	98	91	87	95	139	74	63	53	1723
386	Television Signal Processing for Dynamic Recording or Reproducing	149	25	25	30	23	22	16	21	19	31	21	24	22	20	21	15	19	13	12	11	19	14	572
388	Electricity: Motor Control Systems	65	2	5	11	2	4	9	5	8	3	4	8	5	3	1	1	2	2	5	7	2	3	157
392	Electric Resistance Heating Devices	558	50	42	29	43	44	48	50	34	33	59	63	54	48	42	36	35	40	31	26	27	26	1418
396	Photography	750	52	64	70	40	35	52	30	47	38	81	62	43	33	36	48	51	28	31	33	36	43	1703
398	Optical Communications	91	12	10	7	8	9	14	10	19	15	19	24	19	19	30	21	20	25	28	21	18	28	467
399	Electrophotography	89	9	13	10	16	16	16	21	7	13	19	13	11	24	13	14	8	11	27	10	8	14	382
400	Typewriting Machines	402	43	39	40	37	47	35	59	43	37	42	39	34	23	29	37	34	35	23	26	9	12	1125
401	Coating Implements with Material Supply	743	99	115	134	102	83	114	84	92	56	94	156	137	153	113	101	110	89	96	71	67	48	2857
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	186	32	26	37	27	26	28	20	31	33	43	32	39	23	26	18	18	13	17	11	8	2	696
403	Joints and Connections	2334	259	239	204	212	203	210	210	214	201	214	209	211	198	192	195	152	133	106	97	88	83	6164
404	Road Structure, Process, or Apparatus	763	98	117	108	93	105	90	106	88	95	88	101	98	88	97	85	121	70	113	75	64	83	2746
405	Hydraulic and Earth Engineering	1623	205	186	224	208	211	151	160	222	156	191	215	153	165	198	184	183	157	176	128	137	129	5362
406	Conveyors: Fluid Current	262	27	20	27	21	17	6	15	18	12	10	14	13	20	14	19	11	7	12	5	4	6	560
407	Cutters, for Shaping	216	12	18	29	22	17	11	10	6	22	19	20	22	19	8	16	5	10	11	18	10	9	530
408	Cutting by Use of Rotating Axially Moving Tool	833	74	87	107	74	53	71	67	58	67	92	87	55	80	51	58	43	38	54	48	30	36	2163
409	Gear Cutting, Milling, or Planing	481	46	58	52	44	40	27	34	33	55	58	47	63	42	52	40	29	30	35	36	25	16	1343
410	Freight Accommodation On Freight Carrier	322	46	43	45	35	38	31	51	46	34	47	49	59	60	53	61	58	42	50	49	39	34	1292
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	860	98	130	79	106	112	82	96	120	103	118	121	107	95	78	74	73	50	61	34	34	28	2659
412	Bookbinding: Process and Apparatus	65	4	10	7	7	11	4	9	6	10	8	6	11	12	9	3	3	7	4	0	4	2	202
413	Sheet Metal Container Making	34	1	1	3	3	1	5	0	5	1	3	4	7	2	0	2	2	0	3	4	1	1	83
414	Material or Article Handling	2664	224	224	261	260	219	229	225	217	195	208	223	256	164	194	178	168	109	104	112	91	101	6626
415	Rotary Kinetic Fluid Motors or Pumps	725	40	30	42	46	50	49	51	51	29	32	30	50	59	64	66	61	52	53	55	39	30	1704
416	Fluid Reaction Surfaces (i.e., Impellers)	868	68	54	39	58	69	64	68	57	41	48	62	85	70	75	66	65	69	74	55	59	33	2147
417	Pumps	1675	151	106	140	121	134	123	118	118	107	119	125	155	155	153	127	102	51	78	50	48	52	4008
418	Rotary Expandible Chamber Devices	484	30	44	32	45	36	37	40	31	32	35	25	47	46	37	37	37	29	26	19	22	23	1194
419	Powder Metallurgy Processes	101	9	13	14	8	3	13	7	12	10	7	11	12	6	9	14	10	3	3	5	6	7	283
420	Alloys or Metallic Compositions	180	20	14	20	13	8	18	16	8	11	11	13	9	11	25	21	17	8	2	3	4	4	436
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	1487	147	146	169	188	180	181	211	178	179	213	213	197	222	190	198	140	118	113	115	127	118	5030
423	Chemistry of Inorganic Compounds	891	67	63	56	65	61	76	61	69	44	66	66	56	73	67	63	43	31	33	44	32	35	2062
424	Drug, Bio-Affecting and Body Treating Compositions	1207	209	184	194	196	196	176	213	251	335	394	455	389	489	476	449	279	207	251	213	196	201	7160
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	1912	203	177	158	148	152	150	151	142	132	157	133	129	117	115	93	97	59	90	84	58	59	4516
426	Food or Edible Material: Processes, Compositions, and Products	1450	204	181	181	143	144	120	149	163	178	184	239	240	228	179	152	146	80	94	69	45	41	4610
427	Coating Processes	1542	144	127	136	129	111	130	134	123	132	166	161	165	153	134	143	124	63	60	73	56	51	4057
428	Stock Material or Miscellaneous Articles	3763	418	403	353	335	338	342	353	351	344	398	409	383	381	304	353	274	192	171	168	100	116	10249
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	341	32	24	28	35	34	31	42	94	43	45	43	48	40	40	51	26	30	24	22	19	40	1132
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	398	21	37	37	21	18	25	34	33	22	42	40	44	37	50	39	39	33	38	24	21	24	1077
431	Combustion	705	64	59	51	58	49	64	59	62	44	75	83	88	92	57	83	65	57	40	38	24	39	1956
432	Heating	560	34	31	29	30	23	27	18	15	21	24	27	32	27	24	25	16	6	13	7	7	5	1001
433	Dentistry	1438	160	152	213	196	170	183	131	171	150	245	231	179	221	163	151	106	108	162	103	85	46	4764
434	Education and Demonstration	1496	189	142	162	170	200	161	163	189	180	228	223	228	164	178	181	148	136	124	124	82	87	4955
435	Chemistry: Molecular Biology and Microbiology	928	118	116	114	133	153	155	171	189	248	367	387	320	389	299	319	246	188	233	213	199	227	5712
436	Chemistry: Analytical and Immunological Testing	575	81	53	78	72	89	93	87	114	116	143	121	105	113	79	113	83	47	60	72	86	69	2449
438	Semiconductor Device Manufacturing: Process	202	16	19	26	31	25	34	49	31	25	53	61	78	103	90	116	118	82	78	66	90	73	1466
439	Electrical Connectors	1211	180	188	164	187	161	182	177	188	189	246	194	274	247	233	198	244	208	249	218	184	163	5485
440	Marine Propulsion	513	68	71	84	64	69	63	62	66	71	76	70	80	63	57	62	61	60	76	49	44	37	1866
441	Buoys, Rafts, and Aquatic Devices	556	83	92	86	79	70	96	84	76	83	91	74	86	85	79	78	66	71	85	72	53	45	2190

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	276	35	29	19	22	24	32	42	28	27	49	57	46	40	19	20	27	18	16	23	18	21	888
445	Electric Lamp or Space Discharge Component or Device Manufacturing	46	3	4	2	4	2	3	5	3	6	5	11	7	5	5	6	4	4	10	2	4	3	144
446	Amusement Devices: Toys	1779	221	243	244	245	220	243	206	225	178	260	242	291	257	266	250	225	157	128	111	102	88	6181
449	Bee Culture	92	1	1	7	3	0	3	4	1	5	2	1	2	1	4	5	6	1	4	0	3	4	150
450	Foundation Garments	128	20	14	14	16	18	7	17	18	21	28	54	68	45	39	16	21	19	27	25	27	18	660
451	Abrading	1168	122	124	126	107	142	94	103	109	113	107	124	127	154	123	111	120	100	125	73	51	51	3474
452	Butchering	459	28	47	32	47	41	42	34	36	22	23	24	35	42	13	23	22	20	35	28	33	27	1113
453	Coin Handling	71	8	5	11	6	4	5	7	5	4	2	2	5	1	4	4	8	0	3	0	0	2	157
454	Ventilation	805	84	98	70	95	62	71	52	75	59	87	70	77	98	93	79	74	68	49	35	22	38	2261
455	Telecommunications	522	70	47	64	71	55	47	74	100	78	105	117	120	96	120	113	141	120	209	205	170	236	2880
460	Crop Threshing or Separating	74	5	12	12	11	6	6	10	17	2	11	12	13	11	10	4	5	5	5	4	1	2	238
462	Books, Strips, and Leaves for Manifolding	79	10	8	2	11	19	12	12	6	5	6	10	9	9	9	0	6	3	0	1	1	0	218
463	Amusement Devices: Games	247	38	26	37	39	37	50	31	45	50	94	86	106	105	100	99	85	89	67	90	71	55	1647
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	294	33	23	22	22	16	24	19	17	26	20	23	23	35	15	22	14	11	14	7	5	8	693
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus	128	16	18	7	8	11	13	8	7	6	8	7	5	5	5	5	1	4	5	1	2	2	272
472	Amusement Devices	342	41	66	41	40	48	49	46	47	48	75	59	48	42	44	42	38	39	35	27	22	23	1262
473	Games Using Tangible Projectile	2358	326	368	386	382	368	450	483	450	431	541	447	376	370	363	362	336	299	328	293	213	213	10143
474	Endless Belt Power Transmission Systems or Components	386	55	38	47	24	36	45	44	36	35	25	27	38	15	29	20	12	15	17	6	12	12	974
475	Planetary Gear Transmission Systems or Components	293	50	37	44	44	30	26	28	39	26	30	40	47	25	31	28	23	31	26	27	27	20	972
476	Friction Gear Transmission Systems or Components	56	6	1	6	3	4	5	6	10	5	3	6	7	2	3	2	3	5	3	3	2	4	145
477	Interrelated Power Delivery Controls, Including Engine Control	119	10	12	9	4	4	5	11	14	9	10	12	7	3	7	8	5	9	11	4	9	10	292
482	Exercise Devices	1687	260	276	286	283	283	305	265	316	331	396	364	355	307	292	309	299	217	343	260	244	262	7940
483	Tool Changing	31	2	3	5	3	1	5	3	1	3	5	9	9	1	7	2	1	2	5	3	4	5	110
492	Roll or Roller	114	13	17	6	6	13	5	16	15	11	15	12	18	9	9	6	12	11	7	4	5	5	329
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	456	39	43	55	61	45	44	33	33	30	53	43	37	27	28	33	28	32	20	16	17	20	1193
494	Imperforate Bowl: Centrifugal Separators	120	11	10	17	11	12	17	8	9	10	15	16	10	11	12	6	3	3	3	6	1	5	316
501	Compositions: Ceramic	194	18	26	24	24	26	28	25	27	22	22	23	17	31	20	22	13	13	8	8	7	8	606
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making	262	20	19	28	26	28	21	20	17	21	27	32	32	30	21	16	11	14	11	17	12	10	695
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor	24	4	4	4	5	2	4	1	4	3	7	4	1	3	3	2	4	1	4	4	5	3	96
504	Plant Protecting and Regulating Compositions	82	8	12	9	21	11	6	5	9	14	15	38	16	23	20	15	9	8	6	6	3	7	343
505	Superconductor Technology: Apparatus, Material, Process	90	5	9	7	15	14	9	13	10	12	8	14	17	9	6	11	6	6	3	3	4	6	277
506	Combinatorial Chemistry Technology: Method, Library, Apparatus	0	0	0	0	0	0	0	0	6	2	3	8	9	3	6	10	4	3	0	0	0	4	58
507	Earth Boring, Well Treating, and Oil Field Chemistry	65	9	8	4	8	9	2	3	3	5	13	5	9	6	8	6	14	11	4	3	3	10	208
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions	69	8	6	11	9	9	8	11	10	10	16	16	12	12	7	10	6	3	8	5	2	5	253
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	230	21	24	24	16	21	19	31	34	32	49	66	43	43	46	38	39	23	28	20	18	24	889
512	Perfume Compositions	14	1	3	3	2	1	3	4	3	2	4	3	7	5	1	3	2	0	0	2	2	1	66
514	Drug, Bio-Affecting and Body Treating Compositions	1400	248	228	260	224	213	186	235	319	354	409	450	366	445	405	348	240	201	203	170	134	146	7184
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	95	7	13	12	8	10	10	11	11	11	13	10	11	11	10	11	11	3	3	5	6	11	293
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof	21	2	0	0	2	1	2	2	3	0	2	1	2	5	1	1	2	1	2	5	1	2	58
520	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	347	22	16	18	29	29	22	22	16	21	32	28	17	23	18	23	7	15	4	7	3	6	725
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	70	3	6	2	5	5	3	12	10	5	6	9	7	8	6	12	8	3	5	6	4	0	195
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	305	26	31	27	25	38	25	39	26	32	45	38	17	38	33	34	14	21	16	16	7	7	860
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	620	52	49	56	56	43	52	54	57	55	81	56	54	60	59	60	34	39	37	34	22	30	1660

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	416	31	42	40	44	42	30	35	29	29	45	35	33	29	35	34	20	16	23	31	11	11	1061
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	199	10	13	20	18	25	19	9	12	12	17	22	14	20	11	32	13	15	12	10	6	6	515
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	51	6	3	2	7	5	5	5	2	2	3	0	3	2	2	1	2	0	2	1	1	0	105
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	393	23	28	24	32	43	28	35	22	24	29	33	19	29	32	14	19	14	20	20	15	14	910
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	388	45	33	51	53	59	53	61	65	109	161	138	94	133	98	115	99	72	74	98	79	64	2142
534	Organic Compounds -- Part of the Class 532-570 Series	44	7	7	5	4	4	3	3	2	5	8	2	4	2	2	2	0	0	0	1	1	0	106
536	Organic Compounds -- Part of the Class 532-570 Series	237	28	31	35	43	29	29	48	81	88	145	173	121	136	105	115	82	71	95	70	57	70	1889
540	Organic Compounds -- Part of the Class 532-570 Series	98	10	8	11	5	7	4	8	6	20	10	11	6	8	12	7	7	4	11	3	4	3	263
544	Organic Compounds -- Part of the Class 532-570 Series	177	18	22	15	18	14	14	18	23	20	19	24	26	20	21	20	21	14	16	12	11	8	551
546	Organic Compounds -- Part of the Class 532-570 Series	169	23	20	11	20	19	16	20	30	25	23	20	32	26	20	33	23	14	26	13	18	21	622
548	Organic Compounds -- Part of the Class 532-570 Series	174	23	15	20	26	15	21	16	30	20	17	20	16	16	25	24	20	12	17	17	8	13	565
549	Organic Compounds -- Part of the Class 532-570 Series	136	15	16	15	10	20	12	11	15	18	27	25	23	25	20	18	12	10	13	18	7	8	474
552	Organic Compounds -- Part of the Class 532-570 Series	58	3	6	9	3	2	1	5	2	3	2	7	2	4	3	5	3	1	2	3	1	0	125
554	Organic Compounds -- Part of the Class 532-570 Series	90	7	7	8	5	4	11	9	10	11	8	8	11	11	17	13	13	5	5	6	6	5	270
556	Organic Compounds -- Part of the Class 532-570 Series	123	5	8	12	10	7	7	11	12	14	7	14	5	14	8	9	6	4	1	10	5	4	296
558	Organic Compounds -- Part of the Class 532-570 Series	102	12	9	4	10	12	4	12	11	6	10	15	6	6	9	3	4	3	8	5	4	4	259
560	Organic Compounds -- Part of the Class 532-570 Series	160	23	16	13	16	21	15	13	21	13	13	16	10	15	21	19	8	3	3	5	4	8	436
562	Organic Compounds -- Part of the Class 532-570 Series	158	26	13	14	14	21	13	17	13	17	15	17	11	22	16	15	8	9	11	12	6	3	451
564	Organic Compounds -- Part of the Class 532-570 Series	128	15	13	12	12	9	8	19	19	17	11	10	11	19	19	14	6	6	12	6	3	6	375
568	Organic Compounds -- Part of the Class 532-570 Series	188	23	20	23	31	23	17	31	15	18	34	35	18	13	14	15	17	8	8	9	6	11	577
570	Organic Compounds -- Part of the Class 532-570 Series	27	5	3	5	15	3	0	3	3	5	2	4	3	7	2	0	1	2	0	3	0	0	93
585	Chemistry of Hydrocarbon Compounds	136	23	20	16	25	17	9	31	16	15	26	27	24	19	9	19	10	8	14	2	12	9	487
588	Hazardous or Toxic Waste Destruction or Containment	115	15	11	7	12	22	33	37	37	43	31	39	28	18	27	10	11	7	10	11	9	7	540
600	Surgery	1977	282	284	320	282	341	373	375	314	256	502	411	433	372	423	354	266	210	254	198	198	194	8619
601	Surgery: Kinesitherapy	688	85	77	97	111	66	75	112	110	90	126	100	101	110	84	95	82	62	101	92	72	47	2583
602	Surgery: Splint, Brace, or Bandage	680	88	93	108	96	99	103	118	90	115	174	156	159	113	122	131	107	92	100	46	50	57	2897
604	Surgery	2498	440	397	442	439	514	561	480	442	426	522	414	405	342	336	412	273	189	184	157	148	143	10164
606	Surgery	1576	249	239	292	344	386	440	427	462	547	607	578	519	435	385	443	292	229	228	200	134	154	9166
607	Surgery: Light, Thermal, and Electrical Application	617	81	89	94	82	80	86	107	97	80	124	137	155	138	115	135	101	81	76	84	48	50	2657
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Thereof	812	125	120	111	151	116	118	106	160	133	168	154	174	188	200	181	159	121	129	88	67	82	3663
700	Data Processing: Generic Control Systems or Specific Applications	325	54	50	50	53	44	67	59	83	62	110	101	74	84	94	129	120	102	129	90	107	86	2073
701	Data Processing: Vehicles, Navigation, and Relative Location	147	35	19	26	24	22	35	39	44	37	76	73	70	110	111	96	82	106	115	95	98	83	1543
702	Data Processing: Measuring, Calibrating, or Testing	363	63	39	42	45	44	47	38	64	65	78	77	62	75	103	121	124	100	120	119	110	101	2000
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	16	8	3	5	7	9	8	7	11	23	18	26	17	20	26	26	20	31	56	38	50	47	472
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	94	17	18	23	19	21	22	27	24	33	50	47	29	46	40	37	38	21	54	44	47	35	786
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination	128	25	29	30	35	47	50	24	49	77	110	192	154	125	136	143	142	192	274	224	270	316	2772
706	Data Processing: Artificial Intelligence	13	6	12	15	11	16	13	23	29	22	53	31	31	32	38	44	29	22	34	24	25	44	567
707	Data Processing: Database and File Management or Data Structures	31	8	7	7	10	14	18	32	24	47	92	115	93	99	105	133	136	112	171	173	142	132	1701
708	Electrical Computers: Arithmetic Processing and Calculating	236	40	23	22	25	31	28	20	32	33	34	42	29	20	32	21	19	16	21	15	14	18	771
709	Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring	13	0	4	2	3	7	6	7	23	26	60	59	77	80	89	92	106	91	148	143	111	177	1324
710	Electrical Computers and Digital Data Processing Systems: Input/Output	46	4	7	8	5	11	10	19	21	29	40	26	33	29	20	31	25	21	32	35	21	46	519
711	Electrical Computers and Digital Processing Systems: Memory	61	8	5	10	7	11	11	21	20	33	35	28	21	24	17	25	27	20	40	29	39	52	544
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)	46	14	10	3	8	8	6	10	16	20	30	13	13	19	12	11	9	14	20	12	14	18	326
713	Electrical Computers and Digital Processing Systems: Support	44	17	18	24	16	23	25	21	39	42	53	37	46	41	36	34	37	45	87	66	70	94	915
714	Error Detection/Correction and Fault Detection/Recovery	108	25	8	19	19	8	24	31	40	40	53	35	38	39	35	42	38	39	42	63	40	81	867

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing	43	17	12	9	19	20	34	25	28	50	86	82	62	80	58	73	74	62	106	94	61	86	1181
716	Data Processing: Design and Analysis of Circuit or Semiconductor Mask	11	3	1	0	3	0	4	5	3	9	10	4	4	17	29	29	25	18	36	43	37	37	328
717	Data Processing: Software Development, Installation, and Management	8	1	1	1	2	0	3	7	8	8	13	19	14	15	17	12	12	17	21	25	22	33	259
718	Electrical Computers and Digital Processing Systems: Virtual Machine Task or Process Management or Task Management/Control	2	0	1	2	1	1	3	5	3	3	9	9	7	3	10	7	9	9	6	9	6	12	117
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)	1	0	0	0	0	1	0	5	3	4	8	3	7	7	14	13	9	8	12	2	9	10	116
720	Dynamic Optical Information Storage or Retrieval	14	2	3	4	1	3	3	6	4	1	7	6	7	3	7	8	7	8	6	1	7	9	117
725	Interactive Video Distribution Systems	81	8	16	19	12	14	12	16	32	19	32	39	31	26	17	20	20	13	28	23	19	36	533
726	Information Security	13	2	4	1	4	0	5	2	4	11	20	21	29	25	22	21	25	26	53	36	41	64	429
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	10	1	1	2	1	2	3	5	4	8	30	25	22	19	20	18	20	17	17	18	21	15	279
850	Scanning-Probe Techniques or Apparatus; Applications of Scanning-Probe Techniques, e.g., Scanning Probe Microscopy [Spm]	16	3	3	2	7	5	6	7	10	6	8	6	3	5	5	11	9	7	0	0	0	1	120
901	Robots	186	26	17	35	26	22	18	19	19	16	20	19	16	16	20	16	12	10	8	6	7	4	538
902	Electronic Funds Transfer	115	8	5	6	4	5	6	6	2	12	9	4	11	2	4	5	3	3	6	5	4	3	228
903	Hybrid Electric Vehicles (Hevs)	27	0	1	1	4	3	8	2	7	6	6	3	5	2	6	8	4	5	0	4	6	7	115
930	Peptide or Protein Sequence	127	11	0	0	3	3	3	0	0	2	4	4	4	6	2	1	2	1	0	1	0	1	175
968	Horology	592	54	46	1	0	0	0	0	0	0	2	0	1	1	0	0	1	0	0	0	1	1	700
976	Nuclear Technology	375	33	16	7	5	2	1	4	4	3	3	0	2	0	1	0	0	0	0	1	0	0	457
977	Nanotechnology	5	1	1	1	2	5	7	7	11	15	14	27	18	25	23	41	27	8	11	13	22	13	297
984	Musical Instruments	1210	120	76	0	0	0	0	0	0	0	0	0	1	2	1	3	0	0	1	2	1	0	1417
987	Organic Compounds Containing a Bi, Sb, As, or P Atom or Containing a Metal Atom of the 6th To 8th Group of the Periodic System	102	9	7	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	123
G9B	Information Storage Based On Relative Movement Between Record Carrier and Transducer	1009	116	103	108	111	130	139	135	146	158	192	140	137	143	135	133	108	83	71	52	52	0	3401
SUBTOTAL	UTILITY CLASSES	287254	32779	30696	31765	30120	29035	30028	30013	31490	29972	37595	37735	36790	35223	32992	31802	28315	23704	26275	22376	19990	19894	915843
D00	** Design Classification Undetermined **	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
D01	Edible Products	74	6	20	22	9	13	17	10	19	24	27	27	30	32	21	6	27	13	19	15	22	21	474
D02	Apparel and Haberdashery	901	110	122	156	101	172	179	188	205	195	300	253	210	154	209	179	160	128	181	221	280	305	4909
D03	Travel Goods and Personal Belongings	1374	105	218	236	227	290	271	270	263	249	332	338	313	270	250	247	206	181	283	243	261	245	6672
D04	Brushware	279	33	39	49	51	69	58	73	88	71	94	74	95	85	112	59	43	35	58	39	69	40	1613
D05	Textile or Paper Yard Goods; Sheet Material	80	8	7	6	5	4	5	6	6	11	15	10	17	19	7	17	9	9	14	12	18	11	296
D06	Furnishings	4309	351	447	536	539	713	577	719	651	583	734	675	742	651	694	580	463	352	467	632	526	520	16461
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified	2198	241	232	231	237	370	324	312	396	262	341	285	362	332	258	311	290	204	380	342	368	344	8620
D08	Tools and Hardware	2580	268	340	411	394	462	446	492	448	384	550	471	545	405	341	458	397	289	446	489	514	441	11571
D09	Packages and Containers for Goods	985	78	147	201	150	176	189	196	218	207	210	178	207	216	160	196	139	125	185	193	205	234	4795
D10	Measuring, Testing, or Signalling Instruments	1369	118	157	234	192	269	278	282	201	200	291	262	230	204	199	158	166	141	172	193	221	169	5706
D11	Jewelry, Symbolic Insignia, and Ornaments	1629	123	123	177	157	211	219	234	199	207	239	219	252	254	250	197	186	175	225	236	274	232	6018
D12	Transportation	1746	246	342	331	361	390	344	350	361	289	374	285	356	283	240	269	306	254	303	336	343	335	8444
D13	Equipment for Production, Distribution, or Transformation of Energy	343	26	50	76	66	74	86	85	77	74	85	118	110	99	106	105	64	40	86	86	121	112	2089
D14	Recording, Communication, or Information Retrieval Equipment	754	88	110	130	117	165	139	180	178	185	212	182	237	181	183	195	172	104	172	181	177	172	4214
D15	Machines Not Elsewhere Specified	893	62	84	57	124	140	91	152	141	89	106	82	77	64	58	81	82	58	108	133	97	100	2879
D16	Photography and Optical Equipment	320	21	63	42	57	49	55	49	80	63	82	74	102	51	60	88	50	46	51	90	74	82	1649
D17	Musical Instruments	299	20	37	34	32	37	41	35	36	26	40	46	26	42	23	40	21	19	39	25	51	29	998
D18	Printing and Office Machinery	311	23	28	43	27	51	28	28	31	18	30	26	34	20	28	25	16	12	44	30	29	45	927
D19	Office Supplies; Artists` and Teachers` Materials	942	76	82	143	142	153	155	181	129	154	209	162	157	156	120	135	132	109	97	109	154	99	3796
D20	Sales and Advertising Equipment	314	22	56	62	55	82	81	90	73	95	114	90	82	59	29	78	62	44	53	58	44	50	1693
D21	Games, Toys, and Sports Goods	2922	330	367	517	475	482	564	550	496	463	680	512	544	488	389	342	320	305	414	354	403	309	12226
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment	844	118	114	90	97	108	116	128	139	95	97	116	102	97	108	98	80	74	113	120	97	116	3067

Class	Class Title	Pre 1989	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	All Years
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment	1355	91	123	227	179	167	223	232	175	184	239	232	280	209	206	210	201	203	259	239	282	183	5699
D24	Medical and Laboratory Equipment	1454	169	185	195	229	243	235	233	231	200	246	220	226	252	199	187	128	95	163	224	226	212	5752
D25	Building Units and Construction Elements	1268	81	67	83	111	111	153	141	123	127	144	142	145	125	156	147	129	113	87	135	129	123	3840
D26	Lighting	655	78	73	121	125	111	154	159	200	179	234	183	275	328	272	257	221	147	231	293	301	246	4843
D27	Tobacco and Smokers' Supplies	240	11	14	19	6	9	18	21	20	26	49	55	38	40	42	37	38	35	59	60	42	25	904
D28	Cosmetic Products and Toilet Articles	579	84	147	83	57	86	130	103	112	127	114	105	176	154	103	115	112	64	82	71	73	90	2767
D29	Equipment for Safety, Protection, and Rescue	302	38	52	34	42	58	65	80	73	60	52	53	67	36	58	41	44	26	42	77	72	65	1437
D30	Animal Husbandry	636	57	66	120	118	154	140	145	136	117	88	80	131	72	74	81	75	72	92	98	114	96	2762
D32	Washing, Cleaning, or Drying Machine	433	45	79	76	65	81	103	122	100	105	121	92	90	69	66	83	54	42	61	102	94	70	2153
D34	Material or Article Handling Equipment	668	137	121	204	228	206	146	169	97	81	117	86	96	76	73	87	65	41	123	125	70	86	3102
D99	Miscellaneous	227	25	23	23	29	40	31	53	34	43	48	37	45	59	33	67	48	32	44	31	20	17	1009
SUBTOTAL	DESIGN CLASSES	33283	3289	4135	4969	4804	5746	5661	6068	5736	5193	6614	5770	6399	5582	5127	5176	4506	3587	5153	5593	5771	5224	143386
PLT	Plants	828	188	98	119	75	101	97	78	83	91	124	101	92	125	261	232	156	105	199	163	267	270	3853
SUBTOTAL	PLANT CLASSES	828	188	98	119	75	101	97	78	83	91	124	101	92	125	261	232	156	105	199	163	267	270	3853
TOTAL	ALL CLASSES	321365	36256	34929	36853	34999	34882	35786	36159	37309	35256	44333	43606	43281	40930	38380	37210	32977	27396	31627	28132	26028	25388	1063082

Patent Counts By Class By Year - Independent Inventors
PART A1
Granted: 01/01/1977 - 12/31/2009
A Patent Technology Monitoring Team Report

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