

U.S. PATENT AND TRADEMARK OFFICE  
Electronic Information Products Division  
Patent Technology Monitoring Team (PTMT)

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## Patent Counts By Class By Year - Independent Inventors

PART A1  
Granted: 01/01/1977 - 12/31/2008  
*A Patent Technology Monitoring Team Report*

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### Parts of the Report

[Description of the Report](#)

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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 -](#)

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## Patent Counts By Class By Year - Independent Inventors

## PART A1

Granted: 01/01/1977 - 12/31/2008

*A Patent Technology Monitoring Team Report*

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## 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, 2008).** Please refer to the U.S. Patent and Trademark Office Manual of Patent Classification for further information concerning the patent classification system.

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### 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 12/31/2008**. 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 - 12/31/2008**. These profiled documents hereafter will be referred to as "patents".

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### 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".

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## 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.

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Patent Counts By Class By Year - Independent Inventors

PART A1

Granted: 01/01/1977 - 12/31/2008

A Patent Technology Monitoring Team Report

**Part A1-1. Patent Counts By Class By Year - Independent Inventors**  
**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 - 12/31/2008

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
001	** Classification Undetermined **	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	0	8
002	Apparel	1186	147	189	175	255	220	161	176	152	266	296	348	427	372	375	307	205	220	178	206	129	123	6113
004	Baths, Closets, Sinks, and Spitoons	1120	118	150	176	182	148	174	190	152	136	152	212	264	218	201	236	198	177	133	123	110	84	4654
005	Beds	1001	134	161	191	193	214	165	157	152	208	175	181	190	206	177	166	189	188	186	169	120	138	4661
007	Compound Tools	133	13	22	19	25	15	28	21	12	24	17	23	23	26	34	24	14	21	21	21	23	2	561
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	144	12	19	11	9	11	14	18	14	17	14	22	18	17	16	15	14	6	8	7	7	9	422
012	Boot and Shoe Making	66	4	8	7	4	2	5	5	3	2	3	5	13	1	6	2	6	6	1	2	2	4	157
014	Bridges	86	8	11	8	12	4	8	12	16	15	10	10	17	6	7	15	11	17	8	11	16	11	319
015	Brushing, Scrubbing, and General Cleaning	1430	154	154	143	166	134	144	193	199	236	181	237	238	251	186	175	175	137	111	106	123	126	4999
016	Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, Etc.)	331	42	85	39	54	37	40	63	55	69	66	92	76	70	64	97	78	67	57	50	38	21	1591
019	Textiles: Fiber Preparation	100	3	14	15	14	6	5	13	10	6	8	5	10	10	8	14	4	1	0	3	1	3	253
023	Chemistry: Physical Processes	15	0	0	0	0	2	0	3	1	0	0	1	1	3	0	1	1	0	0	0	1	0	29
024	Buckles, Buttons, Clasps, Etc.	745	65	89	111	125	103	79	81	98	95	131	121	116	121	130	126	141	79	46	79	61	55	2797
026	Textiles: Cloth Finishing	30	4	4	4	4	2	1	1	1	4	5	1	4	2	2	0	0	1	0	2	2	1	75
027	Undertaking	48	7	6	11	9	6	7	7	5	5	12	11	9	5	9	6	15	6	2	9	18	15	228
028	Textiles: Manufacturing	52	2	1	6	6	6	2	9	6	5	4	4	7	4	3	4	1	7	2	4	1	3	139
029	Metal Working	1422	149	171	156	169	145	168	127	133	131	144	137	120	152	158	142	157	136	125	140	114	81	4377
030	Cutlery	1084	107	146	151	155	118	104	109	98	124	97	136	137	129	116	146	124	127	93	87	74	49	3511
033	Geometrical Instruments	1455	115	140	185	177	171	113	117	167	121	96	132	112	143	148	134	150	163	169	120	141	113	4382
034	Drying and Gas or Vapor Contact with Solids	529	40	40	36	46	47	50	52	49	43	56	59	75	78	51	49	41	40	39	38	21	36	1515
036	Boots, Shoes, and Leggings	674	72	75	81	61	47	69	73	64	65	86	126	106	96	83	76	76	81	66	67	69	55	2268
037	Excavating	361	28	43	37	36	43	38	23	31	47	29	35	43	49	40	49	31	34	30	22	17	12	1078
038	Textiles: Ironing or Smoothing	94	13	14	13	13	9	8	12	9	13	7	11	14	10	11	9	7	11	8	7	14	7	314
040	Card, Picture, or Sign Exhibiting	987	100	145	113	111	78	95	113	100	92	98	124	135	154	140	148	180	131	101	96	101	106	3448
042	Firearms	558	55	78	93	112	63	61	70	82	63	84	88	77	49	77	104	108	88	65	66	64	60	2165
043	Fishing, Trapping, and Vermin Destroying	1544	227	330	231	208	215	220	219	163	223	135	139	263	214	141	183	205	171	135	130	98	101	5495
044	Fuel and Related Compositions	180	16	13	14	8	9	13	13	14	12	9	4	15	22	10	10	14	14	10	6	5	9	420
047	Plant Husbandry	682	54	90	82	100	79	82	108	106	100	62	88	103	124	98	103	94	52	60	62	41	34	2404
048	Gas: Heating and Illuminating	101	3	9	7	3	4	0	4	6	0	2	7	3	4	3	0	2	6	1	8	5	3	181
049	Movable or Removable Closures	500	38	53	44	50	48	33	51	60	61	41	55	47	50	57	42	35	53	27	30	22	16	1413
051	Abrasive Tool Making Process, Material, or Composition	67	7	11	11	11	14	18	7	8	5	14	4	4	6	4	5	4	3	2	2	3	2	212
052	Static Structures (e.g., Buildings)	3051	309	390	351	304	261	309	348	301	384	431	495	465	459	529	433	401	359	294	234	179	170	10457
053	Package Making	578	52	57	56	76	52	46	45	65	60	51	71	57	54	47	33	37	53	53	30	26	41	1640
054	Harness for Working Animal	105	13	13	14	19	18	14	15	12	13	9	20	8	20	17	24	28	18	10	20	19	20	449
055	Gas Separation	223	26	28	24	30	31	28	9	15	25	17	35	36	28	33	24	30	29	16	21	18	25	751
056	Harvesters	658	52	63	91	88	77	78	71	88	75	39	65	80	71	48	64	43	48	57	42	22	19	1939
057	Textiles: Spinning, Twisting, and Twining	277	27	30	28	13	27	39	32	14	8	16	34	17	10	15	10	5	6	0	5	2	5	620

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
059	Chain, Staple, and Horseshoe Making	58	3	9	8	4	2	4	9	7	6	10	4	9	6	4	5	11	9	11	6	6	5	196
060	Power Plants	1206	96	85	64	68	77	88	61	56	61	69	82	86	91	100	92	84	91	82	116	63	48	2866
062	Refrigeration	1088	112	139	145	130	105	142	141	110	127	122	150	144	156	192	201	170	116	89	105	106	74	3864
063	Jewelry	145	27	21	19	27	35	25	14	30	25	32	21	24	25	19	30	30	24	18	19	24	25	659
065	Glass Manufacturing	175	3	14	10	4	13	9	13	4	6	5	11	22	8	7	18	12	8	10	9	5	4	370
066	Textiles: Knitting	156	12	13	2	19	4	12	4	3	12	15	10	12	18	20	14	6	11	10	10	7	3	373
068	Textiles: Fluid Treating Apparatus	107	13	6	6	9	10	9	9	12	11	7	15	15	10	8	15	14	2	2	2	2	11	295
069	Leather Manufactures	33	3	3	2	4	0	0	1	0	2	1	0	0	1	1	1	1	2	1	0	1	1	58
070	Locks	837	112	139	116	123	102	104	105	122	103	128	174	170	104	92	121	129	96	88	79	58	71	3173
071	Chemistry: Fertilizers	117	7	10	9	3	18	6	10	16	14	19	17	11	11	12	19	8	8	1	4	0	4	324
072	Metal Deforming	887	60	87	73	72	42	60	53	40	57	63	84	83	69	52	46	42	37	42	71	54	38	2112
073	Measuring and Testing	2059	163	240	187	204	167	159	173	203	217	189	209	196	166	167	205	218	179	161	162	160	181	5965
074	Machine Element or Mechanism	773	73	105	81	79	116	92	91	85	109	90	102	112	101	86	58	73	53	32	41	46	28	2426
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	252	17	16	15	11	12	13	21	25	12	14	17	14	14	27	25	17	8	8	7	8	4	557
076	Metal Tools and Implements, Making	137	11	13	6	15	13	5	10	16	10	10	7	3	15	5	3	7	1	3	3	2	3	298
079	Button Making	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
081	Tools	916	124	152	126	134	109	115	129	91	116	79	118	182	215	251	187	139	157	177	235	184	129	4065
082	Turning	229	15	15	10	15	16	12	14	7	9	19	19	19	15	22	13	30	12	12	9	3	3	518
083	Cutting	858	67	85	92	100	84	76	58	51	58	47	72	93	73	66	45	57	99	52	57	47	30	2267
084	Music	1132	101	112	113	109	91	87	104	124	128	95	130	158	173	152	121	131	123	96	132	149	161	3722
086	Ammunition and Explosive-Charge Making	70	6	12	3	9	5	10	3	5	2	4	5	1	6	2	6	3	1	4	6	1	2	166
087	Textiles: Braiding, Netting, and Lace Making	24	2	4	2	1	2	5	0	0	1	2	1	5	2	0	5	5	5	1	2	3	2	74
089	Ordnance	194	22	33	43	22	24	28	24	34	18	21	30	28	23	30	33	32	35	19	20	24	25	762
091	Motors: Expansible Chamber Type	258	27	15	19	18	17	19	18	4	9	9	10	6	9	5	8	6	8	4	5	5	1	480
092	Expansible Chamber Devices	155	33	20	33	29	16	12	25	22	16	7	18	12	10	13	15	17	9	8	6	14	12	502
095	Gas Separation: Processes	187	22	24	23	20	27	19	13	14	16	21	23	28	14	28	27	22	17	22	16	11	16	610
096	Gas Separation: Apparatus	285	27	33	41	25	27	29	19	21	27	19	21	27	22	25	25	17	23	23	24	15	12	787
099	Foods and Beverages: Apparatus	748	75	73	78	72	88	92	93	126	102	130	148	133	149	150	110	96	89	60	64	27	48	2751
100	Presses	380	25	18	17	40	45	41	37	29	28	34	37	25	21	22	11	27	16	14	24	15	22	928
101	Printing	429	37	44	43	53	49	49	51	69	39	49	67	50	56	53	36	49	52	27	42	17	10	1371
102	Ammunition and Explosives	198	31	31	30	33	36	31	28	32	18	15	19	21	11	34	28	27	28	24	21	24	21	741
104	Railways	214	21	17	23	27	20	14	16	24	20	25	22	18	14	20	29	23	21	22	8	5	14	617
105	Railway Rolling Stock	90	7	9	10	11	13	13	6	8	13	11	12	3	12	14	12	6	6	11	7	5	4	283
106	Compositions: Coating or Plastic	304	16	25	27	31	31	34	59	35	44	33	39	44	32	39	32	39	38	24	20	25	17	988
108	Horizontally Supported Planar Surfaces	393	37	63	44	42	51	28	62	62	83	77	77	83	103	68	63	66	72	43	43	14	28	1602
109	Safes, Bank Protection, or a Related Device	114	9	15	11	5	2	10	5	3	5	11	9	9	8	3	7	5	2	4	2	3	1	243
110	Furnaces	287	36	28	42	36	35	29	44	29	23	19	30	15	17	21	19	12	15	16	18	5	10	786
111	Planting	193	18	15	26	18	16	12	18	23	28	22	10	22	21	29	19	24	13	12	18	7	14	578
112	Sewing	280	18	27	16	34	28	19	20	16	20	18	32	40	29	35	26	11	16	19	20	9	13	746
114	Ships	1210	139	172	179	181	148	139	144	138	147	139	141	154	175	147	133	137	108	162	155	130	102	4280
116	Signals and Indicators	332	26	45	49	62	34	34	49	38	35	28	23	32	41	37	42	32	44	33	28	27	27	1098
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	62	8	2	6	4	2	2	6	7	3	4	9	8	8	7	4	3	3	3	3	7	16	177
118	Coating Apparatus	348	29	26	25	48	36	33	37	43	32	37	40	47	32	32	34	31	21	15	22	14	14	996
119	Animal Husbandry	1150	128	133	169	200	209	180	186	164	194	186	288	227	216	207	256	249	176	156	180	154	120	5128
122	Liquid Heaters and Vaporizers	248	17	23	20	12	8	9	17	11	11	6	16	15	14	11	10	25	11	13	11	8	6	522
123	Internal-Combustion Engines	1935	117	173	139	182	159	142	126	131	137	123	159	136	129	195	147	156	132	138	156	133	128	4973
124	Mechanical Guns and Projectors	397	44	61	44	54	51	53	60	67	70	91	59	60	56	60	52	67	80	48	48	53	33	1608
125	Stone Working	105	8	8	14	6	9	9	11	8	10	15	10	12	14	16	12	11	17	14	24	10	11	354
126	Stoves and Furnaces	2447	107	110	112	96	60	83	79	75	65	61	73	93	102	90	48	70	65	63	37	18	19	3973

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
127	Sugar, Starch, and Carbohydrates	37	1	1	2	2	7	4	5	3	2	1	4	6	1	4	1	0	0	1	1	2	1	86
128	Surgery	832	72	162	149	188	151	149	181	191	215	205	245	195	176	170	171	160	159	115	126	81	64	4157
131	Tobacco	350	22	31	25	24	26	7	15	22	23	22	41	27	29	13	19	17	24	9	8	6	5	765
132	Toilet	519	41	61	76	92	68	73	85	72	87	88	169	195	141	104	86	75	57	25	46	62	36	2258
134	Cleaning and Liquid Contact with Solids	413	70	71	57	83	68	62	65	90	68	56	76	120	98	79	83	74	48	34	33	37	33	1818
135	Tent, Canopy, Umbrella, or Cane	292	50	73	60	50	52	60	101	62	77	84	90	80	83	127	79	71	87	63	44	64	63	1812
136	Batteries: Thermoelectric and Photoelectric	163	7	9	8	10	6	4	10	13	16	11	14	9	22	15	19	10	14	9	8	6	0	383
137	Fluid Handling	1640	163	217	185	190	195	183	181	147	141	143	171	237	251	223	128	126	135	128	137	118	80	5119
138	Pipes and Tubular Conduits	290	24	26	14	32	28	20	31	30	29	23	45	63	52	45	34	24	23	24	20	17	16	910
139	Textiles: Weaving	153	4	13	5	14	10	3	5	11	11	7	7	5	8	8	5	1	8	7	8	1	3	297
140	Wireworking	98	8	3	8	4	4	3	9	8	7	5	9	5	8	6	3	5	2	1	10	7	2	215
141	Fluent Material Handling, with Receiver or Receiver Coacting Means	478	27	56	44	50	53	54	73	69	72	68	62	76	68	88	81	60	80	66	52	51	22	1750
142	Wood Turning	19	1	1	1	3	4	1	1	1	1	2	1	5	2	0	0	1	0	0	0	0	0	44
144	Woodworking	577	65	63	59	56	69	46	52	50	40	44	53	59	62	52	59	61	31	19	49	30	27	1623
147	Coopering	2	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	5
148	Metal Treatment	131	10	14	15	11	18	15	24	14	9	15	15	14	19	26	22	26	21	8	2	4	9	442
149	Explosive and Thermic Compositions or Charges	50	2	4	3	3	1	1	2	1	4	3	3	0	2	3	1	2	2	3	0	0	0	90
150	Purses, Wallets, and Protective Covers	73	13	14	19	15	14	16	15	10	14	6	13	13	24	21	14	15	10	7	10	10	10	356
152	Resilient Tires and Wheels	234	16	30	17	16	16	25	19	14	13	16	16	17	22	17	13	21	13	11	17	12	11	586
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	1145	93	117	100	89	101	99	111	136	107	109	127	141	129	140	122	111	104	52	62	53	40	3288
157	Wheelwright Machines	68	11	5	7	7	7	5	3	5	4	1	2	3	5	7	2	1	1	2	3	5	6	160
159	Concentrating Evaporators	37	4	2	1	0	5	6	3	3	2	0	3	1	1	0	1	0	0	2	2	0	0	73
160	Flexible or Portable Closure, Partition, or Panel	393	51	76	60	78	74	60	52	70	69	82	84	86	111	92	81	70	74	61	57	53	35	1869
162	Paper Making and Fiber Liberation	125	12	14	16	14	11	18	14	12	15	12	20	10	13	21	9	9	6	4	7	10	8	380
163	Needle and Pin Making	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
164	Metal Founding	329	24	36	33	21	13	29	26	12	31	13	21	13	6	20	31	23	12	17	18	7	7	742
165	Heat Exchange	698	60	72	58	46	59	39	67	52	48	27	49	51	39	53	42	36	70	37	61	26	24	1714
166	Wells	595	52	58	64	71	78	71	80	67	58	53	73	56	81	126	70	79	69	50	77	75	82	2085
168	Farriery	42	8	7	4	13	13	10	5	2	4	6	6	4	11	8	9	7	5	6	2	4	5	181
169	Fire Extinguishers	167	11	21	16	27	30	22	13	9	25	31	31	42	40	24	26	20	12	17	23	16	10	633
171	Unearthing Plants or Buried Objects	56	3	0	8	4	3	2	6	3	1	1	2	1	4	2	5	0	1	1	5	0	1	109
172	Earth Working	636	28	56	51	34	39	34	38	50	47	42	65	51	54	49	41	33	32	34	26	10	10	1460
173	Tool Driving or Impacting	212	15	36	17	23	20	9	14	16	15	15	28	21	28	15	10	21	24	19	18	12	9	597
174	Electricity: Conductors and Insulators	291	34	31	42	39	37	45	46	49	39	48	83	78	59	84	95	80	72	102	87	61	64	1566
175	Boring or Penetrating the Earth	481	40	50	50	52	52	36	44	46	45	29	53	45	42	49	39	37	33	33	34	53	47	1390
177	Weighing Scales	200	23	27	20	11	16	20	12	11	2	12	19	13	10	15	13	19	14	6	9	21	7	500
178	Telegraphy	35	3	1	3	3	3	2	1	4	5	3	3	0	3	0	2	0	0	0	0	0	1	72
180	Motor Vehicles	749	74	65	55	71	60	58	76	59	66	35	60	70	73	70	78	75	56	81	83	73	68	2155
181	Acoustics	357	30	39	35	33	22	42	30	24	26	32	38	54	53	31	35	42	22	26	11	15	26	1023
182	Fire Escape, Ladder, or Scaffold	837	84	90	91	110	106	61	100	74	75	80	111	130	102	67	95	78	99	80	87	65	30	2652
184	Lubrication	110	8	11	21	15	16	15	14	23	25	11	14	17	14	20	12	7	7	5	8	4	4	381
185	Motors: Spring, Weight, or Animal Powered	20	0	2	3	0	1	1	1	0	0	3	0	1	2	1	1	1	0	1	0	0	0	38
186	Merchandising	33	3	2	1	2	7	3	1	6	5	5	4	0	3	4	2	4	0	1	1	1	0	89
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	111	9	7	8	17	14	14	21	12	22	16	16	28	17	16	14	11	10	6	15	18	11	413
188	Brakes	290	26	52	41	31	29	26	44	46	58	43	41	55	45	52	79	44	31	40	45	32	24	1174
190	Trunks and Hand-Carried Luggage	105	16	16	11	10	21	13	17	22	23	19	16	17	16	20	19	22	10	7	11	7	8	426
191	Electricity: Transmission To Vehicles	47	4	2	4	4	6	3	8	4	3	7	4	2	4	13	6	5	3	4	3	3	0	139
192	Clutches and Power-Stop Control	217	5	17	19	34	17	11	17	18	30	20	16	27	18	18	15	11	10	14	8	10	7	559
193	Conveyors, Chutes, Skids, Guides, and Ways	77	4	6	3	8	5	7	3	3	3	2	1	8	9	9	13	1	4	4	6	4	3	183
194	Check-Actuated Control Mechanisms	134	12	9	7	14	12	14	9	18	15	7	7	15	5	8	5	9	7	1	4	6	1	319
196	Mineral Oils: Apparatus	13	1	1	1	1	0	1	1	1	1	0	4	1	1	0	1	0	0	0	0	0	0	28

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
198	Conveyors: Power-Driven	584	68	60	67	68	73	60	81	49	44	45	57	55	70	63	66	56	50	39	42	36	37	1770
200	Electricity: Circuit Makers and Breakers	460	35	33	38	43	31	30	32	32	32	32	54	38	20	21	39	31	51	41	33	35	30	1191
201	Distillation: Processes, Thermolytic	36	0	3	0	0	5	0	2	2	0	3	2	1	0	0	1	2	0	1	3	0	1	62
202	Distillation: Apparatus	207	13	11	19	8	6	10	11	9	8	15	8	7	9	5	8	6	5	2	3	2	6	378
203	Distillation: Processes, Separatory	128	12	17	25	14	25	24	9	43	7	12	28	20	8	9	11	3	6	8	5	0	4	418
204	Chemistry: Electrical and Wave Energy	482	30	57	53	46	58	37	44	58	33	50	36	38	56	67	44	40	29	19	22	14	20	1333
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	335	22	22	27	26	32	41	41	38	25	19	25	27	30	48	33	17	25	12	12	20	12	889
206	Special Receptacle or Package	1516	214	273	252	244	208	238	239	231	216	235	343	321	312	243	217	192	174	186	131	122	136	6243
208	Mineral Oils: Processes and Products	149	4	14	14	7	10	3	11	6	16	6	7	13	8	7	5	7	4	3	5	5	7	311
209	Classifying, Separating, and Assorting Solids	477	36	44	40	42	36	48	45	35	28	32	36	43	37	36	36	15	27	29	22	11	18	1173
210	Liquid Purification or Separation	1816	206	264	232	249	300	276	224	249	264	255	258	281	273	310	246	206	208	204	187	183	168	6859
211	Supports: Racks	667	81	92	103	134	133	114	126	97	144	134	190	153	156	139	124	120	105	96	95	71	46	3120
212	Traversing Hoists	113	13	9	7	12	8	10	6	4	5	8	17	16	10	9	8	8	5	5	5	7	11	296
213	Railway Draft Appliances	25	1	1	0	3	2	0	2	0	2	0	1	0	3	4	2	1	3	1	4	1	0	56
215	Bottles and Jars	404	76	66	51	50	42	34	33	51	32	35	42	50	41	38	33	23	22	20	19	16	9	1187
216	Etching a Substrate: Processes	53	12	8	5	8	8	9	14	9	4	6	10	7	5	4	11	10	16	9	4	6	6	224
217	Wooden Receptacles	20	3	2	1	0	1	1	2	2	1	0	2	1	2	1	0	0	0	2	0	0	1	42
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices	19	2	2	2	1	1	2	2	0	2	0	0	0	2	3	0	0	2	0	1	0	0	41
219	Electric Heating	930	92	119	132	114	94	89	82	99	93	82	110	126	180	125	127	113	128	102	114	86	49	3186
220	Receptacles	875	110	154	201	176	161	174	158	154	156	145	182	219	184	186	154	119	106	68	83	67	63	3895
221	Article Dispensing	378	25	35	38	44	45	39	48	44	44	34	47	46	47	48	57	58	42	32	47	25	25	1248
222	Dispensing	1330	104	163	151	194	179	171	170	175	169	142	168	246	174	179	170	111	135	128	126	81	61	4527
223	Apparel Apparatus	234	20	15	30	40	32	18	17	21	34	45	39	47	61	54	26	20	34	21	22	35	25	890
224	Package and Article Carriers	843	118	144	158	153	114	142	150	184	178	181	202	195	165	177	149	133	132	76	55	53	35	3737
225	Severing by Tearing or Breaking	103	10	17	10	16	24	10	8	10	12	6	12	12	10	8	4	14	7	11	7	6	3	320
226	Advancing Material of Indeterminate Length	144	14	6	4	1	2	5	5	3	4	3	5	6	2	4	4	2	2	1	2	1	4	224
227	Elongated-Member-Driving Apparatus	213	22	36	18	18	18	15	14	17	17	24	22	22	26	23	32	27	27	29	19	19	11	669
228	Metal Fusion Bonding	214	23	32	35	24	25	27	20	29	22	23	13	23	23	26	24	19	21	20	12	5	7	667
229	Envelopes, Wrappers, and Paperboard Boxes	245	47	50	52	68	50	49	53	44	35	37	62	63	56	53	45	32	12	19	24	21	9	1126
231	Whips and Whip Apparatus	6	1	1	0	2	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	3	17
232	Deposit and Collection Receptacles	152	28	26	29	24	18	12	12	34	16	19	15	19	15	17	11	17	15	17	27	35	27	585
234	Selective Cutting (e.g., Punching)	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4
235	Registers	346	29	43	28	24	26	27	31	50	38	41	40	59	66	43	74	103	96	59	107	100	86	1516
236	Automatic Temperature and Humidity Regulation	267	16	20	12	11	18	19	19	15	8	10	15	13	22	14	13	14	10	7	10	15	8	556
237	Heating Systems	194	9	10	12	12	7	9	6	5	9	6	11	11	10	16	9	14	5	2	4	2	2	365
238	Railways: Surface Track	99	6	13	10	6	12	3	7	8	12	6	15	6	8	9	12	7	7	4	5	4	4	263
239	Fluid Sprinkling, Spraying, and Diffusing	1041	98	118	111	114	103	106	125	96	64	104	151	156	182	130	120	141	128	101	113	66	67	3435
241	Solid Material Comminution or Disintegration	516	51	70	69	63	58	87	68	59	70	59	61	81	62	43	57	58	50	41	53	56	42	1774
242	Winding, Tensioning, or Guiding	840	86	82	74	54	61	71	67	49	66	72	94	106	86	90	107	90	52	57	54	55	73	2386
244	Aeronautics and Astronautics	573	75	79	55	83	91	76	62	53	58	39	86	86	99	91	99	93	91	71	77	51	39	2127
245	Wire Fabrics and Structure	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	7
246	Railway Switches and Signals	31	5	2	1	3	3	5	5	11	4	6	11	2	10	12	8	10	5	2	3	5	6	150
248	Supports	1558	196	265	294	366	359	252	248	244	250	242	369	325	364	326	344	309	233	170	189	183	149	7235
249	Static Molds	364	27	29	21	23	19	17	12	14	16	22	24	14	16	18	17	9	16	8	16	16	6	724
250	Radiant Energy	675	59	111	95	111	90	79	69	88	80	76	93	84	70	70	71	100	96	70	111	86	88	2472
251	Valves and Valve Actuation	466	32	46	39	34	47	49	54	39	32	33	39	43	49	35	44	41	39	48	55	25	25	1314
252	Compositions	232	15	23	18	21	26	10	19	19	30	23	31	33	37	39	20	21	30	15	13	18	12	705
254	Implements or Apparatus for Applying Pushing or Pulling Force	593	51	65	47	44	47	71	42	35	34	57	49	81	74	66	65	76	63	68	75	55	57	1815
256	Fences	244	20	31	20	25	26	21	29	25	26	37	34	30	33	32	21	42	34	35	27	18	29	839
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	93	10	18	23	24	31	21	25	36	29	46	44	41	42	55	68	81	64	62	78	64	71	1026
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

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
260	Chemistry of Carbon Compounds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
261	Gas and Liquid Contact Apparatus	406	18	26	36	31	31	25	15	23	26	24	23	27	25	44	31	27	24	16	19	25	17	939
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	860	72	74	102	89	103	111	89	99	90	93	124	105	106	90	104	87	89	46	63	45	26	2667
266	Metallurgical Apparatus	254	17	18	7	14	9	8	10	20	13	13	13	5	14	10	11	10	14	3	7	5	3	478
267	Spring Devices	127	19	32	16	10	12	14	14	13	17	12	16	17	14	16	20	13	11	3	12	7	10	425
269	Work Holders	499	50	74	64	40	52	40	33	29	49	26	48	58	63	44	43	46	40	20	30	23	14	1385
270	Sheet-Material Associating	68	3	2	9	6	2	5	3	3	3	2	4	2	4	2	1	2	2	4	2	1	2	132
271	Sheet Feeding or Delivering	164	13	22	13	19	18	22	10	13	15	7	9	6	8	6	11	7	4	6	4	5	3	385
273	Amusement Devices: Games	1743	133	208	218	220	209	189	245	247	214	223	253	224	197	211	223	194	136	110	131	133	124	5785
277	Seal for a Joint or Juncture	287	21	23	13	18	20	16	18	17	21	24	21	25	18	33	38	21	20	12	12	8	5	691
278	Land Vehicles: Animal Draft Appliances	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
279	Chucks or Sockets	158	11	14	16	19	18	16	16	15	13	10	14	19	13	20	12	15	3	16	7	2	1	428
280	Land Vehicles	2573	282	315	268	324	276	323	363	345	342	251	409	402	468	456	426	386	364	335	333	334	303	9878
281	Books, Strips, and Leaves	136	18	31	25	26	24	29	19	26	24	30	34	44	25	22	17	7	12	9	11	6	3	578
283	Printed Matter	143	11	36	32	37	36	43	43	45	34	30	47	64	48	36	24	21	13	12	10	7	6	778
285	Pipe Joints or Couplings	602	49	71	47	61	59	64	70	65	59	41	70	75	49	52	51	49	43	33	38	31	51	1730
289	Knots and Knot Tying	54	3	4	1	4	2	1	1	1	3	7	2	6	4	9	5	4	5	2	3	2	3	126
290	Prime-Mover Dynamo Plants	366	21	16	7	9	10	7	12	23	8	7	22	13	23	29	26	15	60	47	64	59	79	923
291	Track Sanders	7	1	0	1	0	1	0	0	0	3	0	0	0	1	0	1	0	1	4	0	0	0	20
292	Closure Fasteners	600	44	65	64	86	77	36	37	45	63	73	43	54	54	28	66	47	30	36	31	50	33	1662
293	Vehicle Fenders	81	6	12	14	17	12	11	6	3	5	12	8	7	9	14	9	12	9	9	11	8	8	283
294	Handling: Hand and Hoist-Line Implements	895	90	90	79	74	81	101	97	106	117	109	150	130	124	81	119	77	45	47	69	76	58	2815
295	Railway Wheels and Axles	5	0	0	1	2	0	0	0	0	1	1	0	2	0	1	1	2	1	0	0	0	1	18
296	Land Vehicles: Bodies and Tops	782	83	125	148	136	127	100	85	95	116	113	140	152	165	176	126	139	147	121	133	135	111	3455
297	Chairs and Seats	855	107	148	119	115	118	82	165	120	171	161	183	220	263	159	176	182	179	139	180	134	164	4140
298	Land Vehicles: Dumping	94	8	9	5	8	5	8	7	9	5	5	8	7	10	11	7	12	18	9	9	3	5	262
299	Mining or In Situ Disintegration of Hard Material	233	21	17	18	15	16	16	6	11	8	11	10	12	10	15	8	12	7	4	9	6	23	488
300	Brush, Broom, and Mop Making	15	0	1	2	2	4	5	5	5	1	4	2	2	1	3	1	4	2	0	2	3	3	67
301	Land Vehicles: Wheels and Axles	144	17	15	28	26	31	24	25	17	26	13	27	29	40	45	43	40	34	27	28	24	20	723
303	Fluid-Pressure and Analogous Brake Systems	72	4	6	12	7	10	13	6	15	7	14	6	11	11	10	17	8	5	4	4	0	6	248
305	Wheel Substitutes for Land Vehicles	43	5	5	3	0	1	3	5	6	4	7	8	7	8	8	7	6	1	0	3	1	3	134
307	Electrical Transmission or Interconnection Systems	304	42	41	17	14	19	30	25	22	46	47	51	57	38	21	22	28	32	8	23	23	21	931
310	Electrical Generator or Motor Structure	441	45	60	33	43	43	48	40	34	42	51	73	79	66	72	70	61	88	59	55	39	44	1586
312	Supports: Cabinet Structure	585	49	58	42	45	71	63	54	68	66	57	87	79	82	51	70	60	56	35	28	25	19	1750
313	Electric Lamp and Discharge Devices	117	15	21	14	21	14	8	10	11	21	18	23	32	23	19	23	28	20	14	25	15	16	508
314	Electric Lamp and Discharge Devices: Consumable Electrodes	4	1	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	361	32	54	66	74	44	50	37	64	45	29	59	47	65	64	58	71	43	54	47	36	23	1423
318	Electricity: Motive Power Systems	375	42	39	54	38	32	34	39	47	38	34	46	35	44	33	33	21	22	18	23	27	20	1094
320	Electricity: Battery or Capacitor Charging or Discharging	122	7	12	6	6	21	30	21	10	24	32	32	34	40	41	38	33	31	19	14	17	9	599
322	Electricity: Single Generator Systems	74	5	3	4	4	3	5	4	1	4	5	5	2	3	6	1	3	2	3	3	3	2	145
323	Electricity: Power Supply or Regulation Systems	97	8	16	9	10	15	10	7	7	11	12	13	9	11	16	19	5	8	11	11	10	7	322
324	Electricity: Measuring and Testing	676	69	117	84	69	96	74	80	99	109	51	97	82	91	97	118	98	95	76	97	78	74	2527
326	Electronic Digital Logic Circuitry	17	4	1	7	3	9	4	10	7	7	5	11	7	4	8	10	8	8	9	6	18	13	176
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	137	11	18	11	8	21	13	16	10	16	11	20	23	23	24	22	17	20	14	21	9	19	484
329	Demodulators	15	1	2	0	3	0	1	2	1	2	1	0	0	1	0	1	0	1	0	0	0	0	31
330	Amplifiers	128	18	17	8	10	12	7	8	8	12	12	10	15	17	19	13	17	16	6	17	13	21	404
331	Oscillators	61	2	5	4	9	3	3	2	2	6	5	8	8	5	6	2	5	5	5	3	7	4	160
332	Modulators	16	0	0	2	3	1	0	1	5	3	0	2	1	1	2	0	1	0	0	1	2	0	41
333	Wave Transmission Lines and Networks	111	8	18	8	10	15	11	11	10	10	4	8	10	12	13	13	21	12	20	16	7	15	363
334	Tuners	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	Electricity: Magnetically Operated Switches, Magnets, and																							

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335	Electromagnets	157	11	7	8	11	11	13	12	10	16	14	9	18	14	17	16	16	13	22	17	12	13	437
336	Inductor Devices	54	1	4	7	1	3	3	6	5	6	8	6	10	9	4	6	15	19	14	18	11	2	212
337	Electricity: Electrothermally or Thermally Actuated Switches	126	2	11	7	7	6	5	4	7	4	14	17	23	17	15	13	20	8	7	12	9	6	340
338	Electrical Resistors	72	11	13	9	12	6	8	6	0	6	3	4	6	8	2	4	4	2	0	2	0	2	180
340	Communications: Electrical	1490	148	255	205	226	179	163	166	222	272	314	372	378	432	381	318	222	308	309	395	311	349	7415
341	Coded Data Generation or Conversion	112	15	29	23	10	14	22	17	24	23	32	33	25	28	34	43	34	24	21	25	27	27	642
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	206	14	20	21	19	21	28	28	27	36	24	40	34	34	39	37	27	26	26	23	24	27	781
343	Communications: Radio Wave Antennas	250	27	31	30	31	9	25	19	27	31	24	29	37	43	52	50	24	26	47	43	47	41	943
345	Computer Graphics Processing and Selective Visual Display Systems	122	35	32	25	28	27	21	46	47	47	76	85	108	112	122	112	107	82	85	104	99	74	1596
346	Recorders	65	6	5	4	3	0	0	1	2	2	0	1	3	0	1	0	0	0	0	0	1	0	94
347	Incremental Printing of Symbolic Information	54	11	7	8	7	6	1	6	6	4	9	17	10	19	16	22	20	19	23	30	25	33	353
348	Television	350	24	41	60	62	46	38	50	59	57	54	68	63	70	54	49	44	54	34	68	47	58	1450
349	Liquid Crystal Cells, Elements and Systems	31	7	10	7	4	12	6	4	17	19	11	9	7	7	12	9	12	11	12	8	1	5	221
351	Optics: Eye Examining, Vision Testing and Correcting	346	56	99	78	66	66	59	58	81	70	70	83	114	104	88	86	93	94	87	77	100	101	2076
352	Optics: Motion Pictures	140	1	4	8	16	10	6	1	3	6	10	7	14	5	8	4	6	8	3	5	4	4	273
353	Optics: Image Projectors	148	11	8	13	10	10	15	13	16	13	12	13	16	11	11	9	9	22	14	22	7	20	423
355	Photocopying	313	22	21	12	20	18	14	14	13	3	11	8	11	6	11	7	7	6	4	8	5	2	536
356	Optics: Measuring and Testing	477	36	63	55	62	57	48	38	67	61	61	70	76	75	32	60	58	73	55	62	70	62	1718
358	Facsimile and Static Presentation Processing	76	10	9	8	14	17	14	22	19	28	14	15	27	16	13	19	13	17	9	45	29	25	459
359	Optical: Systems and Elements	838	97	116	135	105	128	105	93	89	96	79	136	138	129	154	159	122	113	120	128	99	106	3285
360	Dynamic Magnetic Information Storage or Retrieval	273	21	29	29	20	22	25	25	23	23	15	27	18	20	18	20	16	15	7	11	9	3	669
361	Electricity: Electrical Systems and Devices	475	61	80	59	45	66	72	48	71	91	87	118	85	98	115	120	108	115	88	79	112	92	2285
362	Illumination	1004	156	179	183	207	219	141	176	207	219	221	271	259	351	343	327	367	303	278	366	317	225	6319
363	Electric Power Conversion Systems	146	17	26	21	19	16	25	16	14	23	22	25	22	28	32	32	19	13	11	15	14	9	565
365	Static Information Storage and Retrieval	66	6	9	9	11	10	20	24	17	26	27	32	24	30	27	19	25	17	22	28	23	25	497
366	Agitating	548	50	53	57	43	32	33	47	55	66	44	57	65	46	65	45	39	28	29	26	27	27	1482
367	Communications, Electrical: Acoustic Wave Systems and Devices	183	18	23	41	23	41	36	23	26	19	16	19	16	17	23	15	11	15	19	15	14	32	645
368	Horology: Time Measuring Systems or Devices	334	40	32	38	47	43	45	51	27	25	39	43	43	30	50	47	36	45	26	45	31	36	1153
369	Dynamic Information Storage or Retrieval	206	17	15	10	14	11	16	16	31	19	21	21	17	22	18	22	27	15	11	14	8	10	561
370	Multiplex Communications	108	10	17	12	10	13	12	10	34	28	28	34	28	35	35	25	22	39	32	71	63	78	744
372	Coherent Light Generators	104	21	25	36	24	13	14	21	26	18	22	19	14	16	16	14	26	39	23	21	13	15	540
373	Industrial Electric Heating Furnaces	76	5	3	4	3	5	5	3	5	3	0	0	7	12	6	6	3	3	1	1	0	3	154
374	Thermal Measuring and Testing	206	13	21	14	22	13	15	15	8	10	18	29	11	22	14	15	13	14	13	14	13	12	525
375	Pulse or Digital Communications	89	10	20	13	19	19	15	16	24	31	29	33	40	33	21	27	30	31	30	66	63	44	703
376	Induced Nuclear Reactions: Processes, Systems, and Elements	143	9	8	13	9	18	14	10	12	9	4	12	8	2	4	4	5	6	4	1	1	1	297
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	120	5	13	5	5	9	5	3	5	6	1	1	4	6	3	6	2	3	2	4	1	0	209
378	X-Ray or Gamma Ray Systems or Devices	222	26	27	31	42	35	31	28	25	33	22	36	18	32	28	26	26	17	23	30	32	29	819
379	Telephonic Communications	458	66	87	57	75	64	34	50	75	76	80	102	72	62	72	57	72	72	59	68	52	40	1850
380	Cryptography	54	11	4	17	20	11	15	23	12	15	22	22	8	18	15	11	4	8	8	15	11	8	332
381	Electrical Audio Signal Processing Systems and Devices	440	33	60	50	33	47	43	47	40	57	63	115	63	60	43	68	68	68	52	71	56	42	1619
382	Image Analysis	82	9	16	16	22	24	25	18	26	35	39	51	58	66	51	42	59	59	53	98	76	57	982
383	Flexible Bags	152	27	32	30	40	29	28	37	27	21	21	23	45	51	44	25	15	13	18	15	12	13	718
384	Bearings	307	17	24	31	26	31	21	34	37	25	16	25	23	20	32	25	18	11	13	9	7	8	760
385	Optical Waveguides	97	43	33	43	48	26	30	31	31	39	32	67	62	59	57	79	74	66	70	106	60	54	1207
386	Television Signal Processing for Dynamic Recording or Reproducing	55	9	17	12	13	7	7	3	4	6	11	7	10	11	10	13	5	10	2	4	7	10	233
388	Electricity: Motor Control Systems	37	3	0	2	4	1	1	7	3	4	1	0	4	1	1	0	0	1	0	3	1	1	75
392	Electric Resistance Heating Devices	195	22	19	21	14	22	20	21	21	13	16	27	32	31	31	23	18	12	23	23	22	13	639
396	Photography	470	46	33	43	44	26	20	29	15	34	27	61	42	24	21	29	39	34	16	15	22	21	1111
398	Optical Communications	62	6	8	7	7	4	5	9	7	9	7	9	9	6	7	10	15	9	12	16	14	12	250
399	Electrophotography	44	2	6	6	6	10	11	10	13	6	12	9	9	7	20	8	10	4	8	17	5	4	227



Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
400	Typewriting Machines	190	17	22	22	27	19	31	23	31	22	15	20	19	20	11	14	20	25	16	16	9	4	593
401	Coating Implements with Material Supply	310	39	41	56	78	45	37	59	46	33	23	36	110	98	124	90	77	89	71	71	59	57	1649
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	96	12	20	18	20	19	15	15	11	18	17	23	13	22	10	15	14	9	8	6	5	7	393
403	Joints and Connections	621	45	49	70	60	63	55	46	49	52	57	61	64	44	76	63	58	44	30	29	22	28	1686
404	Road Structure, Process, or Apparatus	402	43	72	72	80	52	72	59	61	51	51	46	57	63	49	66	56	71	41	84	54	46	1648
405	Hydraulic and Earth Engineering	958	86	134	120	166	150	148	88	91	145	99	135	151	101	107	149	129	118	101	135	84	98	3493
406	Conveyors: Fluid Current	127	8	15	12	19	13	10	4	5	8	6	6	7	8	14	12	11	6	3	10	1	0	305
407	Cutters, for Shaping	87	2	4	5	12	7	9	3	2	2	8	8	9	9	12	3	8	1	6	6	10	9	222
408	Cutting by Use of Rotating Axially Moving Tool	396	37	34	51	57	43	32	45	44	25	35	56	47	22	40	27	31	19	17	32	21	19	1130
409	Gear Cutting, Milling, or Planing	204	23	27	31	20	18	18	14	17	19	27	29	25	31	18	21	20	16	18	16	19	12	643
410	Freight Accommodation On Freight Carrier	150	23	20	23	22	16	16	20	30	23	16	28	35	47	47	37	47	48	34	41	34	30	787
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	333	47	50	60	39	53	54	42	49	52	52	63	59	55	46	42	34	35	27	28	13	15	1248
412	Bookbinding: Process and Apparatus	24	1	2	7	3	4	6	3	4	4	6	7	4	7	10	9	1	1	3	1	0	2	109
413	Sheet Metal Container Making	14	0	0	0	1	2	1	2	0	2	1	2	0	1	1	0	0	2	0	2	4	1	36
414	Material or Article Handling	1450	131	114	128	153	133	125	138	142	142	112	131	144	167	86	113	92	101	62	56	58	49	3827
415	Rotary Kinetic Fluid Motors or Pumps	273	32	22	15	22	32	24	22	22	29	13	13	13	23	30	37	39	31	36	31	36	16	811
416	Fluid Reaction Surfaces (i.e., Impellers)	316	26	29	22	9	22	40	30	36	31	24	17	29	43	36	42	29	35	30	34	29	29	938
417	Pumps	778	83	82	66	75	64	76	58	69	69	68	71	74	113	102	103	100	62	26	37	26	21	2223
418	Rotary Expansible Chamber Devices	261	23	19	24	20	23	18	25	22	20	17	17	12	31	27	24	22	14	10	11	6	9	655
419	Powder Metallurgy Processes	46	2	1	9	6	2	1	7	4	7	7	4	5	4	2	4	4	5	2	2	2	2	128
420	Alloys or Metallic Compositions	101	5	6	7	7	6	4	8	6	1	3	2	4	0	1	7	6	3	3	1	1	1	183
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	479	46	54	60	69	94	81	83	108	77	72	89	94	90	92	94	84	62	56	48	52	61	2045
423	Chemistry of Inorganic Compounds	428	32	27	40	33	28	26	30	28	24	17	27	28	24	41	34	36	24	15	23	24	18	1007
424	Drug, Bio-Affecting and Body Treating Compositions	731	104	151	127	132	151	152	128	142	186	250	295	337	292	361	352	321	200	134	186	151	143	5026
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	906	99	100	93	84	75	81	83	69	67	57	76	63	65	49	56	47	48	30	47	62	41	2298
426	Food or Edible Material: Processes, Compositions, and Products	755	90	117	115	104	99	94	88	98	111	107	105	154	159	165	121	98	94	47	51	46	21	2839
427	Coating Processes	526	54	49	38	52	62	38	64	74	58	64	80	73	75	77	58	65	50	24	22	24	29	1656
428	Stock Material or Miscellaneous Articles	1293	146	170	187	159	165	173	181	209	207	214	260	270	244	223	166	214	172	109	93	93	53	5001
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	227	18	22	19	18	17	20	22	35	71	30	29	32	27	28	25	40	16	24	21	15	12	768
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	236	19	10	23	23	14	12	16	23	28	13	23	22	27	25	34	27	25	19	22	14	13	668
431	Combustion	370	28	41	37	31	33	30	41	38	42	25	51	59	61	69	38	62	52	46	31	23	14	1222
432	Heating	257	20	18	16	16	12	9	7	3	2	10	11	15	12	9	11	17	5	4	6	4	3	467
433	Dentistry	1093	126	139	118	184	173	143	157	107	145	133	222	203	154	191	134	113	82	98	142	93	68	4018
434	Education and Demonstration	814	84	107	81	82	100	130	107	86	107	97	147	136	143	89	101	123	94	87	70	68	44	2897
435	Chemistry: Molecular Biology and Microbiology	490	61	64	72	66	71	89	99	114	126	182	225	252	205	246	175	180	139	122	155	122	100	3355
436	Chemistry: Analytical and Immunological Testing	234	27	32	16	23	24	33	31	29	42	39	53	38	41	43	30	38	29	9	18	35	30	894
438	Semiconductor Device Manufacturing: Process	98	12	9	10	16	19	20	16	33	24	20	36	52	56	68	65	83	72	44	50	40	61	904
439	Electrical Connectors	689	126	116	130	116	141	117	137	120	133	130	175	150	210	194	158	139	177	158	205	167	143	3831
440	Marine Propulsion	313	36	48	49	57	39	53	44	45	48	51	55	50	56	44	40	50	46	45	60	34	41	1304
441	Buoys, Rafts, and Aquatic Devices	273	45	54	61	45	51	41	65	59	51	56	66	50	55	54	59	55	45	55	64	52	40	1396
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	110	10	15	7	5	11	8	13	16	10	9	22	29	20	15	10	8	9	5	5	10	9	356
445	Electric Lamp or Space Discharge Component or Device Manufacturing	12	1	1	2	1	2	2	3	2	1	5	2	9	5	4	3	4	3	3	3	2	1	71
446	Amusement Devices: Toys	902	77	106	131	126	123	107	122	103	109	79	140	135	181	157	176	172	141	99	68	65	53	3372
449	Bee Culture	79	7	1	0	6	3	0	3	2	1	5	2	1	2	1	3	5	3	1	4	0	3	132
450	Foundation Garments	89	6	8	7	6	8	9	4	11	6	14	20	34	49	37	32	14	18	15	22	20	23	452
451	Abrading	650	78	85	88	84	81	96	69	73	81	88	80	92	101	121	93	81	96	84	100	53	42	2416
452	Butchering	358	29	22	38	28	40	36	40	31	33	21	17	22	32	31	11	19	15	16	28	23	30	920
453	Coin Handling	40	4	4	3	9	4	3	4	5	2	4	0	1	4	1	3	2	8	0	2	0	0	103

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
454	Ventilation	331	38	39	50	38	54	34	42	24	36	34	44	45	41	59	58	47	46	35	31	19	12	1157
455	Telecommunications	215	24	39	15	35	30	25	15	33	54	34	55	59	72	61	68	83	95	82	146	145	98	1483
460	Crop Threshing or Separating	51	3	5	11	8	8	5	4	8	12	1	9	5	8	5	5	2	4	4	4	2	1	165
462	Books, Strips, and Leaves for Manifolding	31	2	4	3	1	8	10	3	5	3	1	1	0	2	4	0	0	0	0	0	1	1	80
463	Amusement Devices: Games	166	16	27	17	29	24	28	40	25	36	28	65	52	63	63	52	58	43	47	39	44	47	1009
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	118	12	8	10	3	8	8	10	11	10	7	10	4	9	23	10	14	9	7	11	3	3	308
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus	50	3	1	1	1	3	6	3	4	2	2	4	4	2	0	3	3	1	1	2	1	1	98
472	Amusement Devices	157	9	28	33	21	18	29	21	22	24	26	47	31	25	21	23	28	19	22	18	12	12	646
473	Games Using Tangible Projectile	1658	180	262	307	321	327	301	386	423	395	363	471	382	324	316	308	310	290	255	299	263	198	8339
474	Endless Belt Power Transmission Systems or Components	196	19	35	30	27	13	24	33	34	23	25	17	14	28	13	19	10	6	7	11	5	8	597
475	Planetary Gear Transmission Systems or Components	169	35	39	25	36	33	26	20	22	25	19	24	35	35	21	22	25	16	25	15	19	22	708
476	Friction Gear Transmission Systems or Components	29	0	4	0	3	3	2	0	4	7	1	2	2	5	2	2	1	2	3	2	1	2	77
477	Interrelated Power Delivery Controls, Including Engine Control	64	3	6	8	7	2	1	4	6	8	6	5	5	4	1	4	6	3	4	7	2	7	163
482	Exercise Devices	1141	177	208	226	220	227	219	249	221	275	281	324	308	304	274	252	262	263	185	310	230	221	6377
483	Tool Changing	18	2	0	2	4	2	0	3	1	1	3	1	6	6	1	4	2	1	0	4	2	3	66
492	Roll or Roller	38	2	4	4	1	1	5	2	8	3	6	5	5	3	1	1	2	3	0	2	0	0	96
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	235	10	16	16	24	41	19	23	17	16	11	30	21	24	11	16	25	15	13	12	7	15	617
494	Imperforate Bowl: Centrifugal Separators	63	6	7	3	6	2	7	8	3	4	5	8	7	6	7	8	2	3	3	2	3	0	163
501	Compositions: Ceramic	65	9	11	11	9	12	6	13	11	13	7	10	11	5	12	12	14	5	6	4	5	6	257
502	Catalyst, Solid Sorbent, or Support Thereof: Product or Process of Making	113	5	9	12	17	17	21	9	10	8	8	12	16	18	11	14	4	4	2	5	8	8	331
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor	14	2	3	4	3	1	2	4	0	4	2	4	4	0	2	1	0	3	1	2	3	3	62
504	Plant Protecting and Regulating Compositions	49	2	6	9	8	18	8	5	5	8	11	10	28	14	16	11	9	5	5	4	4	1	236
505	Superconductor Technology: Apparatus, Material, Process	2	0	1	4	5	10	8	6	9	7	8	3	8	6	5	2	3	4	5	1	1	0	98
506	Combinatorial Chemistry Technology: Method, Library, Apparatus	0	0	0	0	0	0	0	0	0	6	2	3	8	9	3	6	10	4	2	0	0	0	53
507	Earth Boring, Well Treating, and Oil Field Chemistry	30	3	5	3	2	5	3	1	1	1	3	7	5	3	1	5	6	11	8	2	1	1	107
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions	49	3	7	6	6	7	7	5	9	8	8	11	13	10	10	7	8	4	2	6	5	2	193
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	101	14	13	13	15	10	11	12	19	22	23	34	41	23	29	30	30	26	12	21	10	13	522
512	Perfume Compositions	4	2	0	2	0	2	0	3	0	0	1	1	1	3	1	1	1	1	0	0	0	1	24
514	Drug, Bio-Affecting and Body Treating Compositions	856	90	156	151	173	126	121	117	148	185	208	248	268	242	277	243	201	152	128	120	114	81	4405
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	23	0	1	2	1	4	2	2	2	3	4	2	5	4	5	3	7	2	2	2	1	3	80
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof	5	0	1	0	0	1	0	2	2	1	0	1	0	1	4	1	0	2	1	2	3	1	28
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	167	16	12	8	14	20	17	8	16	8	13	17	18	9	15	11	16	5	8	1	3	2	404
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	14	1	1	1	1	3	2	1	6	5	1	2	5	4	2	1	6	3	3	3	1	0	66
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	136	13	9	16	12	11	13	11	16	13	11	20	15	13	14	12	12	6	4	6	7	3	373
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	227	10	20	16	24	33	22	28	26	32	24	40	29	25	22	27	30	18	17	23	13	12	718
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	149	6	9	24	20	19	19	12	13	10	12	15	11	10	14	13	11	9	5	7	13	5	406
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	71	9	3	5	9	5	10	9	1	7	4	9	9	8	14	8	23	8	6	6	2	3	229
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	17	1	3	2	1	1	2	1	3	0	1	1	0	2	0	0	1	1	0	1	0	0	38
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	129	7	11	11	15	14	23	13	11	6	11	15	12	9	14	15	7	7	12	9	13	9	373
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	147	7	14	6	13	20	13	17	13	13	36	45	38	18	40	30	34	31	12	17	25	29	618
534	Organic Compounds -- Part of the Class 532-570 Series	16	1	4	4	3	1	1	1	1	1	2	2	1	0	0	1	1	0	0	0	1	1	42
536	Organic Compounds -- Part of the Class 532-570 Series	75	4	7	12	7	11	11	5	15	24	18	34	31	19	31	20	25	17	14	22	21	13	436
540	Organic Compounds -- Part of the Class 532-570 Series	42	3	2	3	4	2	3	1	3	1	8	2	5	0	3	3	2	3	0	3	2	1	96

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
544	Organic Compounds -- Part of the Class 532-570 Series	55	4	2	4	3	3	6	6	4	3	2	2	4	3	1	3	3	5	5	5	1	0	124
546	Organic Compounds -- Part of the Class 532-570 Series	49	1	1	4	1	2	7	7	3	8	8	6	6	6	5	3	10	4	6	11	3	11	162
548	Organic Compounds -- Part of the Class 532-570 Series	48	3	5	6	5	7	4	4	5	6	2	4	7	2	2	3	3	2	3	4	4	2	131
549	Organic Compounds -- Part of the Class 532-570 Series	58	3	3	3	6	2	9	3	1	1	7	6	7	5	10	9	4	2	5	6	7	2	159
552	Organic Compounds -- Part of the Class 532-570 Series	22	0	2	0	5	1	0	0	1	0	0	1	2	0	1	1	1	2	0	0	1	0	40
554	Organic Compounds -- Part of the Class 532-570 Series	36	0	2	4	3	3	2	7	4	3	3	4	3	4	6	9	8	4	3	4	5	2	119
556	Organic Compounds -- Part of the Class 532-570 Series	39	3	1	3	6	4	5	2	6	6	6	3	8	3	4	2	9	2	3	1	5	5	126
558	Organic Compounds -- Part of the Class 532-570 Series	35	2	4	5	2	2	3	1	2	5	1	4	4	3	1	2	0	1	0	4	2	0	83
560	Organic Compounds -- Part of the Class 532-570 Series	48	3	4	8	7	4	3	5	6	5	6	4	4	1	7	7	4	3	0	1	3	3	136
562	Organic Compounds -- Part of the Class 532-570 Series	46	3	5	4	4	3	9	5	3	4	8	5	4	5	6	6	8	2	2	4	5	2	143
564	Organic Compounds -- Part of the Class 532-570 Series	39	1	5	4	4	6	2	2	10	3	4	3	2	5	10	7	3	2	2	6	4	1	125
568	Organic Compounds -- Part of the Class 532-570 Series	71	4	5	1	11	9	5	5	4	6	3	10	13	6	6	4	7	6	2	3	4	3	188
570	Organic Compounds -- Part of the Class 532-570 Series	15	0	2	1	0	5	0	0	0	1	4	2	3	1	5	0	0	0	0	0	2	0	41
585	Chemistry of Hydrocarbon Compounds	59	1	10	8	9	6	7	1	6	10	8	17	12	8	11	4	8	4	6	5	1	6	207
588	Hazardous or Toxic Waste Destruction or Containment	79	10	9	7	2	6	10	15	17	16	22	18	16	11	5	6	3	2	3	2	2	4	265
600	Surgery	1289	115	196	201	218	196	229	246	268	216	201	374	301	327	266	327	264	178	147	180	128	132	5999
601	Surgery: Kinesitherapy	353	55	51	48	62	67	41	36	60	51	40	73	43	49	69	50	49	45	41	68	66	47	1464
602	Surgery: Splint, Brace, or Bandage	499	60	65	72	80	62	56	62	76	58	71	121	102	109	80	70	95	63	63	69	32	36	2001
604	Surgery	1404	211	290	290	295	326	350	400	335	295	286	359	271	260	242	244	302	196	138	134	101	106	6835
606	Surgery	993	149	168	159	213	230	252	289	275	310	393	438	433	394	328	277	320	188	149	146	145	82	6331
607	Surgery: Light, Thermal, and Electrical Application	329	43	49	55	59	54	47	47	58	60	43	74	74	84	84	75	75	59	48	45	57	33	1552
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	521	82	94	93	73	105	82	89	78	125	96	116	118	136	157	148	147	136	98	105	71	55	2725
700	Data Processing: Generic Control Systems or Specific Applications	138	29	29	22	31	31	26	36	29	51	35	52	45	45	55	60	84	74	63	77	58	65	1135
701	Data Processing: Vehicles, Navigation, and Relative Location	66	5	19	11	11	15	15	18	28	21	20	31	31	37	65	67	54	47	64	48	46	46	765
702	Data Processing: Measuring, Calibrating, or Testing	121	21	23	24	25	18	24	29	15	37	37	42	44	39	43	67	83	89	66	77	76	77	1077
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	6	4	4	2	4	5	4	4	4	6	15	15	14	9	12	19	11	9	20	38	25	27	257
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	50	4	9	11	14	13	9	14	12	12	15	35	35	18	37	28	19	23	12	29	25	30	454
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination	59	10	16	19	17	23	33	34	14	31	46	83	145	117	69	75	79	60	114	191	147	197	1579
706	Data Processing: Artificial Intelligence	2	3	3	6	8	5	7	7	14	15	11	36	16	21	19	22	28	20	11	21	16	17	308
707	Data Processing: Database and File Management or Data Structures	14	0	3	3	3	2	9	14	17	14	23	53	61	44	52	60	80	90	59	80	83	77	841
708	Electrical Computers: Arithmetic Processing and Calculating	128	10	21	13	11	13	22	16	10	18	14	17	15	13	9	14	10	12	10	13	9	9	407
709	Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring	8	0	0	3	0	2	5	1	7	14	9	40	34	46	45	51	43	63	52	72	76	56	627
710	Electrical Computers and Digital Data Processing Systems: Input/Output	32	5	3	7	8	4	7	6	8	12	15	21	18	23	16	12	23	16	15	21	17	11	300
711	Electrical Computers and Digital Processing Systems: Memory	30	5	6	5	7	5	6	7	10	13	15	15	11	12	11	10	15	13	13	24	18	28	279
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)	24	2	9	9	1	5	7	3	7	11	12	19	9	4	9	6	5	2	4	10	7	7	172
713	Electrical Computers and Digital Processing Systems: Support	16	2	10	7	11	8	9	11	10	14	17	23	14	21	24	18	16	15	23	45	34	33	381
714	Error Detection/Correction and Fault Detection/Recovery	55	5	10	5	11	9	4	14	15	14	16	20	13	10	19	11	23	24	19	20	38	26	381
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing	20	6	11	10	6	12	14	13	13	14	25	35	38	24	38	21	29	30	32	63	50	35	539
716	Data Processing: Design and Analysis of Circuit or Semiconductor Mask	3	1	2	0	0	1	0	2	2	3	6	8	4	2	14	19	23	19	10	28	32	26	205
717	Data Processing: Software Development, Installation, and Management	6	0	1	1	1	2	0	3	6	7	4	7	15	12	13	11	7	9	10	9	12	14	150
718	Electrical Computers and Digital Processing Systems: Virtual Machine Task or Process Management or Task Management/Control	1	0	0	1	1	0	1	2	5	1	2	6	3	5	2	0	0	1	3	2	2	5	43
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)	0	1	0	0	0	0	1	0	2	1	1	4	0	2	2	4	6	3	2	6	0	3	38

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
720	Dynamic Optical Information Storage or Retrieval	5	1	1	1	2	1	0	0	3	3	1	5	4	5	2	6	7	7	8	6	1	7	76
725	Interactive Video Distribution Systems	40	4	4	7	10	7	3	10	7	18	9	16	24	12	19	12	11	11	6	12	8	7	257
726	Information Security	9	2	1	4	0	3	0	5	2	3	4	11	15	16	15	11	11	12	17	31	20	15	207
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	8	2	1	1	2	0	2	3	5	2	8	27	24	13	14	18	14	16	15	16	15	20	226
SUBTOTAL	UTILITY CLASSES	143918	14404	18132	17421	18205	17349	16615	17375	17508	18322	17701	22577	22867	22479	21786	20562	19674	17603	14760	16683	14091	12692	522724
D00	** Design Classification Undetermined **	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
D01	Edible Products	47	4	3	17	17	8	12	12	8	17	19	20	24	25	28	14	6	26	12	13	13	22	367
D02	Apparel and Haberdashery	632	67	85	92	107	70	149	156	165	175	167	275	232	184	144	193	168	150	120	159	208	271	3969
D03	Travel Goods and Personal Belongings	801	75	63	153	175	161	213	210	195	202	199	261	278	248	220	210	210	184	163	260	226	242	4949
D04	Brushware	164	30	22	32	34	35	57	39	62	62	43	62	46	76	72	88	52	31	26	52	30	60	1175
D05	Textile or Paper Yard Goods; Sheet Material	36	4	5	4	2	5	4	2	6	2	9	9	6	14	18	5	16	9	5	12	11	16	200
D06	Furnishings	2832	252	220	313	389	405	561	449	600	541	485	624	586	653	593	627	528	413	312	427	599	482	12891
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified	1171	123	154	156	154	170	251	238	229	311	201	278	242	318	295	225	288	262	189	347	319	350	6271
D08	Tools and Hardware	1454	189	193	256	301	296	384	352	399	356	305	453	394	481	363	310	420	375	249	399	448	485	8862
D09	Packages and Containers for Goods	630	60	50	101	141	97	132	132	133	145	143	138	133	166	176	138	170	114	106	145	172	192	3414
D10	Measuring, Testing, or Signalling Instruments	883	76	72	110	187	147	241	245	240	172	160	242	237	203	180	178	145	157	131	154	185	213	4558
D11	Jewelry, Symbolic Insignia, and Ornaments	1035	60	82	88	132	111	145	163	171	153	161	185	176	202	213	211	166	164	153	198	215	252	4436
D12	Transportation	1077	110	136	220	209	241	253	251	233	298	244	337	253	332	247	221	254	285	237	277	316	331	6362
D13	Equipment for Production, Distribution, or Transformation of Energy	211	23	18	27	47	41	52	55	64	47	60	68	95	100	92	99	100	55	37	82	85	119	1577
D14	Recording, Communication, or Information Retrieval Equipment	543	54	59	86	107	86	137	114	144	149	147	175	164	217	167	167	174	158	89	150	170	164	3421
D15	Machines Not Elsewhere Specified	511	39	46	64	46	103	100	62	116	77	65	87	55	68	59	57	77	79	58	103	131	89	2092
D16	Photography and Optical Equipment	215	19	14	55	34	49	43	52	42	74	58	75	70	94	48	58	86	47	45	46	87	71	1382
D17	Musical Instruments	215	18	12	33	29	27	28	27	24	19	19	33	35	22	35	20	32	21	18	38	22	47	774
D18	Printing and Office Machinery	163	8	8	16	24	15	20	13	11	18	12	17	17	25	16	24	20	12	11	43	27	27	547
D19	Office Supplies; Artists' and Teachers' Materials	532	44	55	62	112	92	116	118	137	95	109	142	120	132	123	91	103	109	87	83	98	144	2704
D20	Sales and Advertising Equipment	213	22	17	43	47	34	57	55	56	40	75	85	62	64	54	22	70	55	35	41	47	34	1228
D21	Games, Toys, and Sports Goods	2189	211	269	300	424	392	385	435	425	378	383	555	405	455	434	340	299	273	260	354	314	358	9838
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment	522	46	75	54	49	66	89	96	103	113	81	86	111	92	86	100	93	72	71	108	115	88	2316
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment	979	76	74	112	205	158	144	202	204	154	155	212	210	256	196	197	204	192	193	251	230	277	4881
D24	Medical and Laboratory Equipment	863	84	90	102	130	159	184	187	187	185	178	213	192	200	233	190	163	108	84	145	213	214	4304
D25	Building Units and Construction Elements	632	41	54	44	50	52	78	104	83	93	108	115	128	137	115	139	126	124	107	80	129	122	2661
D26	Lighting	455	58	62	62	99	88	84	128	136	174	146	209	162	253	311	260	249	199	135	228	283	288	4069
D27	Tobacco and Smokers' Supplies	184	8	4	9	13	4	7	14	18	19	17	44	49	34	35	34	36	35	35	57	57	40	753
D28	Cosmetic Products and Toilet Articles	393	49	64	126	53	35	65	86	75	74	91	89	84	158	133	93	102	98	61	77	63	71	2140
D29	Equipment for Safety, Protection, and Rescue	140	25	18	38	23	33	46	48	62	59	46	41	47	55	31	52	40	40	23	40	75	65	1047
D30	Animal Husbandry	390	53	32	41	68	62	88	83	77	82	92	69	73	119	60	60	62	61	68	86	77	106	1909
D32	Washing, Cleaning, or Drying Machine	269	27	28	61	55	39	54	82	89	70	85	86	67	64	49	56	68	40	30	50	88	85	1542
D34	Material or Article Handling Equipment	296	49	51	54	82	110	114	94	98	65	57	101	70	78	68	67	83	58	34	119	120	66	1934
D99	Miscellaneous	134	3	14	16	17	24	34	28	42	29	37	39	33	38	52	30	62	44	27	37	29	18	787
SUBTOTAL	DESIGN CLASSES	20811	2007	2149	2947	3562	3415	4327	4332	4634	4448	4157	5425	4856	5563	4946	4576	4672	4050	3211	4661	5203	5409	109361
PLT	Plants	696	132	188	98	119	75	101	97	78	83	91	124	101	91	125	261	232	156	105	199	163	267	3582
SUBTOTAL	PLANT CLASSES	696	132	188	98	119	75	101	97	78	83	91	124	101	91	125	261	232	156	105	199	163	267	3582
TOTAL	ALL CLASSES	165425	16543	20469	20466	21886	20839	21043	21804	22220	22853	21949	28126	27824	28133	26857	25399	24578	21809	18076	21543	19457	18368	635667

Patent Counts By Class By Year - Independent Inventors

PART A1

Granted: 01/01/1977 - 12/31/2008

A Patent Technology Monitoring Team Report

**Part A1-2. Patent Counts By Class By Year - Independent Inventors**  
**Patent Counts Based on ORIGINAL And CROSS-REFERENCE Classifications**  
**with Duplicate Patents Eliminated Within Classes**

Number 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 - 12/31/2008

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
001	** Classification Undetermined **	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	0	8
002	Apparel	1657	208	275	263	356	308	254	268	272	363	400	472	549	472	456	390	278	299	246	274	193	164	8417
004	Baths, Closets, Sinks, and Spitoons	1635	174	225	229	259	218	247	271	217	204	225	271	347	277	273	299	253	222	168	176	159	135	6484
005	Beds	1627	207	246	288	288	288	244	244	243	281	262	294	292	298	253	222	234	244	230	209	143	168	6805
007	Compound Tools	274	36	48	46	51	39	62	56	38	51	41	53	51	63	67	45	38	48	37	47	47	18	1256
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	273	18	27	23	16	18	26	26	24	28	21	28	35	31	27	18	25	13	13	12	15	11	728
012	Boot and Shoe Making	124	11	9	10	7	4	8	8	6	4	6	9	18	8	10	4	9	8	8	7	6	6	290
014	Bridges	154	15	19	15	26	18	13	16	26	27	19	15	24	21	11	24	22	28	21	22	22	16	574
015	Brushing, Scrubbing, and General Cleaning	2301	259	293	272	319	255	252	298	290	317	267	362	404	414	328	290	283	217	167	158	178	175	8099
016	Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, Etc.)	893	87	163	94	113	91	97	126	113	159	136	181	151	141	142	180	148	131	104	100	86	61	3497
019	Textiles: Fiber Preparation	141	4	18	19	15	9	8	17	17	8	12	9	16	13	16	18	5	2	0	4	5	4	360
023	Chemistry: Physical Processes	52	4	4	3	2	5	0	6	3	1	1	4	1	4	2	3	2	1	0	1	2	0	101
024	Buckles, Buttons, Clasps, Etc.	1779	183	218	257	245	219	185	202	201	224	240	244	240	239	242	217	240	163	121	150	125	114	6048
026	Textiles: Cloth Finishing	64	5	12	5	7	2	4	3	5	7	7	4	6	5	4	4	0	1	0	2	3	1	151
027	Undertaking	68	7	9	12	11	7	8	11	11	5	16	16	13	9	15	11	18	7	3	9	18	17	301
028	Textiles: Manufacturing	150	8	11	15	7	14	13	10	14	13	13	11	15	15	8	7	5	13	6	6	6	3	363
029	Metal Working	2808	261	317	296	307	254	284	247	240	224	252	232	224	256	260	258	238	223	192	221	177	124	7895
030	Cutlery	1663	178	219	217	253	190	180	192	184	209	167	218	232	220	197	201	190	177	130	136	116	70	5539
033	Geometrical Instruments	2092	178	213	253	255	238	185	184	230	192	151	206	170	205	205	189	206	216	208	165	170	144	6255
034	Drying and Gas or Vapor Contact with Solids	841	72	66	67	70	76	89	79	77	69	71	79	103	107	71	67	51	52	49	46	34	43	2279
036	Boots, Shoes, and Leggings	831	92	110	111	81	77	90	92	100	96	113	173	149	128	117	105	107	107	83	83	77	73	2995
037	Excavating	603	50	72	63	64	67	64	41	50	62	53	64	80	78	63	75	53	51	47	47	28	24	1799
038	Textiles: Ironing or Smoothing	151	18	21	16	23	15	14	17	12	19	15	14	23	20	19	12	9	19	11	8	21	9	486
040	Card, Picture, or Sign Exhibiting	1817	176	277	225	263	221	231	259	246	232	232	259	295	311	305	289	289	251	191	188	179	165	6901
042	Firearms	722	69	99	105	128	74	79	102	108	90	100	108	99	69	103	126	140	114	84	77	85	81	2762
043	Fishing, Trapping, and Vermin Destroying	1811	249	368	264	235	257	242	262	188	251	164	166	306	251	187	217	239	202	156	152	119	123	6409
044	Fuel and Related Compositions	263	22	25	17	15	17	18	19	16	16	11	13	19	29	23	19	19	18	14	12	9	13	627
047	Plant Husbandry	1051	91	126	123	141	122	124	143	143	135	103	150	137	168	139	136	126	73	86	87	56	50	3510
048	Gas: Heating and Illuminating	304	10	21	10	9	11	4	10	14	6	5	8	11	12	8	3	8	10	9	10	9	4	496
049	Movable or Removable Closures	998	91	131	99	97	96	70	92	108	127	104	104	120	127	111	99	85	94	69	87	56	37	3002
051	Abrasive Tool Making Process, Material, or Composition	110	11	13	13	14	22	18	15	14	10	22	7	7	11	6	9	7	8	5	3	6	6	337
052	Static Structures (e.g., Buildings)	4715	440	579	541	489	426	451	494	479	579	587	701	643	630	686	607	564	505	419	376	285	270	15466
053	Package Making	914	86	96	87	105	78	79	70	91	93	83	98	94	81	77	66	68	77	70	47	39	57	2556
054	Harness for Working Animal	148	18	15	14	23	28	19	22	20	15	11	26	14	30	25	33	38	25	13	26	23	26	612
055	Gas Separation	769	82	94	94	88	105	91	49	71	72	55	90	93	80	85	71	67	76	49	50	46	41	2318
056	Harvesters	950	75	84	122	117	105	95	94	118	96	54	84	100	95	70	77	64	60	68	53	27	38	2646

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
057	Textiles: Spinning, Twisting, and Twining	335	35	38	32	17	34	41	39	16	13	25	36	25	14	22	12	7	11	3	6	4	5	770
059	Chain, Staple, and Horseshoe Making	125	8	12	12	8	5	6	13	13	8	14	5	11	8	8	8	14	10	15	11	9	8	331
060	Power Plants	1892	138	130	101	108	114	121	101	95	89	93	130	118	116	132	123	108	120	113	151	95	75	4263
062	Refrigeration	1540	151	188	196	165	163	189	188	165	174	154	202	196	212	241	240	208	164	119	128	139	97	5219
063	Jewelry	230	45	31	31	37	48	39	25	49	39	47	39	38	41	33	42	47	33	28	35	31	35	1023
065	Glass Manufacturing	267	7	22	19	12	19	20	17	15	8	11	15	25	13	17	26	19	16	15	10	9	8	590
066	Textiles: Knitting	205	16	19	6	27	15	16	10	14	16	16	21	17	25	23	16	8	12	14	13	7	4	520
068	Textiles: Fluid Treating Apparatus	242	32	27	20	13	22	20	20	29	25	14	26	24	25	21	27	22	10	7	5	5	14	650
069	Leather Manufactures	51	3	4	2	6	1	0	1	1	2	1	2	0	1	2	2	2	2	1	0	1	1	86
070	Locks	1248	162	190	168	177	149	155	153	167	161	165	220	224	170	128	178	163	141	125	105	97	94	4540
071	Chemistry: Fertilizers	209	10	21	13	10	25	14	17	20	18	25	23	24	17	25	32	24	16	9	7	6	9	574
072	Metal Deforming	1190	85	122	103	97	69	78	73	63	80	91	107	101	96	79	60	64	62	53	94	78	48	2893
073	Measuring and Testing	3141	275	410	317	364	285	285	292	305	337	270	335	310	275	287	304	315	271	239	253	234	259	9363
074	Machine Element or Mechanism	2083	204	257	203	224	226	196	197	185	210	183	200	226	196	171	151	137	112	95	108	110	67	5741
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	372	24	29	25	24	25	22	32	32	20	20	29	23	19	37	34	23	17	8	12	11	9	847
076	Metal Tools and Implements, Making	254	27	28	24	22	28	21	14	22	17	27	15	16	26	13	12	10	7	7	9	6	5	610
079	Button Making	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	3
081	Tools	1351	177	201	188	204	160	183	179	143	186	149	190	256	300	317	252	191	213	230	272	223	153	5718
082	Turning	338	23	18	21	29	30	19	22	10	22	30	35	26	19	28	21	38	21	18	16	11	7	802
083	Cutting	1586	145	172	167	176	172	141	223	102	115	102	136	147	138	118	83	120	134	84	103	84	53	4201
084	Music	1312	120	134	128	136	112	111	128	146	162	118	167	189	196	184	148	150	132	106	146	161	168	4354
086	Ammunition and Explosive-Charge Making	97	8	15	3	13	7	13	7	6	2	4	8	3	6	4	8	7	3	6	8	4	2	234
087	Textiles: Braiding, Netting, and Lace Making	42	4	6	3	4	3	7	5	0	5	7	5	9	3	3	6	5	5	1	3	5	2	133
089	Ordnance	319	36	42	70	35	44	50	43	51	35	47	48	48	37	55	54	59	57	55	45	50	55	1335
091	Motors: Expansible Chamber Type	670	56	45	37	39	42	42	40	19	21	26	25	18	20	20	15	19	17	9	14	16	10	1220
092	Expansible Chamber Devices	626	75	71	65	70	46	49	59	46	38	25	40	36	38	40	38	32	18	19	15	25	17	1488
095	Gas Separation: Processes	310	37	39	38	43	48	46	30	41	51	46	37	47	32	51	50	41	29	40	27	19	31	1133
096	Gas Separation: Apparatus	623	64	63	82	60	75	65	41	41	56	54	56	74	57	75	74	49	61	52	49	47	43	1861
099	Foods and Beverages: Apparatus	1274	130	146	148	141	130	144	147	179	173	182	215	212	223	231	156	136	132	98	116	72	73	4458
100	Presses	750	50	71	60	68	91	78	75	67	57	75	72	51	43	37	28	34	30	23	39	30	39	1868
101	Printing	703	55	69	68	74	69	67	78	84	53	55	83	64	69	71	54	57	66	38	55	27	20	1979
102	Ammunition and Explosives	307	50	39	41	43	50	44	37	43	24	30	31	37	18	46	41	43	39	36	37	36	31	1103
104	Railways	453	39	46	36	39	36	33	32	47	36	41	39	34	26	34	42	43	35	29	21	12	22	1175
105	Railway Rolling Stock	366	25	31	30	21	26	28	21	24	26	22	26	13	20	27	18	19	13	18	15	12	10	811
106	Compositions: Coating or Plastic	766	52	59	44	79	64	82	95	76	66	73	83	78	69	69	63	79	67	38	38	41	28	2109
108	Horizontally Supported Planar Surfaces	1005	101	144	116	122	134	89	128	125	145	143	161	146	189	145	124	122	128	85	91	58	69	3570
109	Safes, Bank Protection, or a Related Device	199	25	28	20	19	9	16	15	14	11	17	22	21	18	6	22	12	6	9	10	10	12	521
110	Furnaces	600	58	44	61	59	53	62	76	44	41	34	44	37	37	36	31	21	20	21	25	8	19	1431
111	Planting	317	27	22	34	25	26	18	27	32	36	27	22	29	33	42	25	30	21	20	26	9	19	867
112	Sewing	365	27	35	22	39	35	26	22	27	31	29	46	43	35	40	31	18	24	22	24	14	15	970
114	Ships	1766	195	262	260	246	199	199	199	182	198	191	212	221	233	193	179	191	150	209	207	166	137	5995
116	Signals and Indicators	868	105	124	119	142	86	98	118	95	110	93	85	118	117	97	94	85	85	64	79	61	65	2908
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	91	14	2	9	7	7	5	8	13	7	6	16	9	12	9	5	7	6	3	6	11	17	270
118	Coating Apparatus	789	76	73	68	98	69	76	84	79	67	77	94	92	71	73	63	61	59	35	43	26	27	2200
119	Animal Husbandry	1442	161	169	205	248	263	212	222	202	237	227	342	290	276	257	312	303	232	211	236	200	140	6387
122	Liquid Heaters and Vaporizers	531	33	45	35	29	22	22	38	22	27	21	28	31	27	29	16	34	21	18	17	12	13	1071
123	Internal-Combustion Engines	2442	161	218	198	224	199	181	178	165	178	160	194	183	162	231	176	182	170	156	180	160	148	6246
124	Mechanical Guns and Projectors	558	61	86	64	72	76	79	82	91	87	105	82	72	73	76	75	98	101	69	72	66	56	2201
125	Stone Working	184	13	16	20	16	18	15	13	14	13	20	15	16	26	21	15	22	27	25	29	16	14	568

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
126	Stoves and Furnaces	3489	173	195	167	149	125	157	145	137	150	124	152	176	183	151	94	126	117	103	71	41	32	6257
127	Sugar, Starch, and Carbohydrates	64	1	1	4	4	12	5	7	8	5	4	7	10	6	5	6	2	3	2	2	3	1	162
128	Surgery	1631	159	290	291	356	317	298	369	368	374	345	437	369	372	327	296	312	266	224	235	156	129	7921
131	Tobacco	415	26	34	27	28	29	10	20	22	27	29	51	43	42	18	22	24	29	10	12	10	6	934
132	Toilet	679	63	99	109	133	97	97	115	102	129	127	200	247	181	133	108	103	78	38	70	84	57	3049
134	Cleaning and Liquid Contact with Solids	855	103	122	104	140	120	109	110	137	125	104	140	182	158	132	133	104	80	68	58	58	53	3195
135	Tent, Canopy, Umbrella, or Cane	545	75	123	98	102	89	109	139	101	128	133	137	121	132	161	119	119	126	105	81	105	100	2948
136	Batteries: Thermoelectric and Photoelectric	373	22	29	21	24	23	19	22	24	26	24	26	18	27	22	23	17	24	16	14	10	2	806
137	Fluid Handling	3138	296	385	325	329	344	311	335	264	259	266	309	365	372	359	236	238	208	206	213	174	139	9071
138	Pipes and Tubular Conduits	945	71	94	79	92	84	74	75	76	74	58	81	112	101	86	82	64	62	50	48	34	35	2477
139	Textiles: Weaving	199	7	22	9	21	16	12	15	23	15	11	15	12	12	12	9	1	15	8	10	2	3	449
140	Wireworking	187	14	10	15	10	8	8	13	12	12	10	15	17	12	13	5	9	6	11	14	8	4	413
141	Fluent Material Handling, with Receiver or Receiver Coacting Means	873	80	114	92	109	104	102	115	120	124	98	108	140	129	129	116	94	115	91	71	69	48	3041
142	Wood Turning	30	3	1	5	7	5	2	3	4	3	5	3	6	4	2	0	5	0	0	2	1	0	91
144	Woodworking	920	101	98	90	98	97	74	82	72	68	82	82	96	89	81	83	84	60	44	66	49	37	2553
147	Coopering	4	0	1	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	1	0	0	0	10
148	Metal Treatment	263	19	23	31	27	36	32	39	29	16	23	26	26	30	39	36	44	36	13	11	8	13	820
149	Explosive and Thermic Compositions or Charges	82	4	5	4	5	2	4	5	3	8	5	7	2	2	3	1	4	3	5	2	0	0	156
150	Purses, Wallets, and Protective Covers	191	35	43	62	62	40	45	43	46	57	52	63	66	76	74	57	45	39	30	34	28	31	1219
152	Resilient Tires and Wheels	318	24	47	28	28	23	29	33	19	25	20	27	29	28	27	24	36	22	25	30	22	14	878
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	2143	182	214	205	183	207	189	205	225	184	176	238	232	205	230	188	190	162	98	103	95	70	5924
157	Wheelwright Machines	82	13	6	8	7	8	6	4	5	6	3	4	5	7	8	3	3	2	8	5	5	6	204
159	Concentrating Evaporators	157	16	12	17	8	10	14	11	14	7	11	15	9	5	7	13	6	11	9	7	3	8	370
160	Flexible or Portable Closure, Partition, or Panel	782	104	137	129	149	128	111	105	129	138	126	148	148	174	144	131	123	111	88	90	81	65	3341
162	Paper Making and Fiber Liberation	235	24	20	26	22	20	27	26	21	24	28	29	20	21	27	14	17	10	10	11	13	11	656
163	Needle and Pin Making	3	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	8
164	Metal Founding	488	34	43	43	27	22	32	34	25	34	23	28	16	11	31	41	30	14	17	20	8	12	1033
165	Heat Exchange	1858	134	117	111	91	115	99	118	103	107	67	125	115	103	143	107	94	127	82	95	70	58	4039
166	Wells	907	76	93	88	100	116	89	107	91	89	76	111	90	118	153	102	106	92	73	102	102	99	2980
168	Farriery	50	8	10	10	16	14	11	5	2	6	8	7	5	12	9	11	10	7	9	3	7	6	226
169	Fire Extinguishers	248	17	27	26	36	38	26	24	19	38	41	41	58	54	39	42	31	25	27	28	24	15	924
171	Unearthing Plants or Buried Objects	100	4	0	10	7	9	10	13	4	3	2	5	5	6	3	5	1	2	3	6	0	1	199
172	Earth Working	1057	61	95	110	75	68	64	67	95	82	67	97	84	87	75	68	62	46	49	49	17	18	2493
173	Tool Driving or Impacting	435	27	50	37	43	38	24	31	30	34	23	41	36	46	30	24	39	39	30	27	27	22	1133
174	Electricity: Conductors and Insulators	797	98	97	87	96	94	90	90	76	90	87	147	133	108	155	160	125	141	144	129	96	99	3139
175	Boring or Penetrating the Earth	838	65	85	81	83	84	61	61	73	68	48	74	67	69	72	67	76	57	52	65	78	70	2294
177	Weighing Scales	296	34	38	27	22	24	24	16	16	11	19	30	19	18	18	22	26	20	11	14	25	15	745
178	Telegraphy	81	8	6	3	8	4	6	4	4	11	5	9	6	8	4	6	7	0	4	2	4	3	193
180	Motor Vehicles	1403	134	156	112	141	127	114	146	141	150	118	142	166	146	138	167	149	124	145	145	129	127	4320
181	Acoustics	623	51	73	74	54	58	69	52	44	47	51	66	79	79	53	63	63	46	48	30	27	41	1791
182	Fire Escape, Ladder, or Scaffold	1194	116	128	137	155	150	99	134	101	112	111	154	166	152	100	124	113	142	105	117	96	50	3756
184	Lubrication	261	23	37	48	39	37	37	39	53	55	28	35	41	40	46	30	25	22	19	17	14	11	957
185	Motors: Spring, Weight, or Animal Powered	66	2	7	5	2	4	2	1	1	4	5	2	4	6	5	5	4	2	5	1	1	1	135
186	Merchandising	51	5	3	2	6	9	4	3	11	7	6	5	8	4	5	6	3	6	0	4	2	0	150
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	210	17	16	19	27	27	28	37	25	30	27	24	36	25	21	26	25	13	12	21	25	16	707
188	Brakes	868	73	114	91	78	71	79	97	98	104	85	111	108	110	91	115	75	67	65	66	48	48	2662
190	Trunks and Hand-Carried Luggage	239	37	43	42	42	41	40	36	48	58	49	50	55	43	50	52	45	24	26	22	23	23	1088
191	Electricity: Transmission To Vehicles	102	7	5	8	5	9	5	12	8	6	10	9	9	14	21	18	10	6	9	5	4	3	285
192	Clutches and Power-Stop Control	523	24	53	42	61	45	34	40	31	67	46	32	59	49	44	36	38	30	28	30	19	18	1349
193	Conveyors, Chutes, Skids, Guides, and Ways	196	22	16	14	16	16	19	10	16	11	9	10	11	17	18	19	9	5	5	12	8	10	469
194	Check-Actuated Control Mechanisms	180	18	11	13	21	16	18	14	21	23	16	12	17	10	15	9	11	8	4	8	6	4	455

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
196	Mineral Oils: Apparatus	42	3	2	6	1	2	2	4	4	3	1	9	8	1	6	3	1	1	1	0	1	0	101
198	Conveyors: Power-Driven	1280	128	130	137	129	135	111	117	84	76	76	89	82	101	103	104	80	72	55	60	52	59	3260
200	Electricity: Circuit Makers and Breakers	1220	94	137	117	118	104	93	95	92	95	93	119	103	80	64	81	72	77	61	61	68	51	3095
201	Distillation: Processes, Thermolytic	137	2	11	3	2	10	3	6	7	3	3	5	4	4	3	3	3	4	1	5	1	2	222
202	Distillation: Apparatus	396	22	22	32	15	17	21	19	21	16	21	23	18	21	10	20	12	12	8	12	5	11	754
203	Distillation: Processes, Separatory	326	28	31	48	22	35	39	25	52	19	30	40	28	18	12	24	11	8	10	8	2	8	824
204	Chemistry: Electrical and Wave Energy	862	63	107	102	81	108	88	94	117	86	88	92	75	103	135	84	73	74	50	38	36	54	2610
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	512	31	34	36	32	49	51	63	54	41	39	51	41	47	68	52	30	37	21	26	31	21	1367
206	Special Receptacle or Package	2971	411	536	504	512	461	494	457	448	431	441	626	590	582	494	416	394	333	296	250	249	240	12136
208	Mineral Oils: Processes and Products	253	8	26	22	16	19	12	15	15	26	12	18	30	15	19	11	14	9	4	10	7	10	571
209	Classifying, Separating, and Assorting Solids	816	69	80	74	81	75	97	74	65	53	57	59	72	59	50	54	37	40	40	37	25	28	2042
210	Liquid Purification or Separation	2680	286	356	324	363	403	373	325	335	368	344	367	399	370	420	337	306	275	253	242	236	221	9583
211	Supports: Racks	1590	190	236	214	270	251	221	214	196	262	220	300	287	284	238	216	222	180	166	159	123	99	6138
212	Traversing Hoists	260	30	30	24	24	17	19	17	23	25	19	25	28	34	22	25	23	15	18	12	17	21	728
213	Railway Draft Appliances	39	2	3	1	3	3	0	2	0	2	0	2	1	3	4	2	1	5	2	5	1	1	82
215	Bottles and Jars	811	132	134	117	119	97	92	87	103	90	96	101	112	121	96	88	73	64	55	49	40	34	2711
216	Etching a Substrate: Processes	127	24	12	13	18	17	11	21	24	11	10	17	14	13	18	23	23	27	11	15	10	18	477
217	Wooden Receptacles	120	10	13	11	7	8	9	8	4	5	6	7	4	7	6	4	5	1	3	3	1	3	245
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices	31	2	3	2	1	1	3	3	1	6	1	1	1	3	4	0	0	2	0	1	0	0	66
219	Electric Heating	1719	158	204	201	177	156	167	154	169	153	148	206	200	257	191	172	164	182	134	152	111	73	5248
220	Receptacles	2363	293	384	401	403	385	413	368	346	389	328	417	437	429	390	350	319	274	222	241	195	179	9526
221	Article Dispensing	659	54	61	69	86	81	70	78	65	76	49	81	76	72	77	102	87	61	52	66	40	42	2104
222	Dispensing	2473	207	306	283	334	309	293	325	292	296	250	291	383	308	308	283	206	231	214	221	145	131	8089
223	Apparel Apparatus	363	35	41	50	56	45	30	29	32	47	64	51	60	75	64	36	24	39	24	29	39	30	1263
224	Package and Article Carriers	1516	215	263	289	286	248	266	267	290	308	303	335	347	314	297	248	241	214	138	130	136	76	6727
225	Severing by Tearing or Breaking	198	22	32	21	27	32	14	17	15	22	10	22	23	23	11	16	27	17	19	14	14	11	607
226	Advancing Material of Indeterminate Length	333	29	24	24	14	11	17	10	18	14	14	17	14	10	11	7	4	6	4	4	5	5	595
227	Elongated-Member-Driving Apparatus	328	29	43	23	29	30	37	31	33	26	36	30	35	37	28	41	37	37	35	28	22	11	986
228	Metal Fusion Bonding	468	43	49	47	36	43	43	30	42	39	32	26	41	42	43	34	39	33	25	17	9	10	1191
229	Envelopes, Wrappers, and Paperboard Boxes	695	99	131	117	140	104	105	98	95	78	85	115	106	107	104	83	73	37	57	45	43	27	2544
231	Whips and Whip Apparatus	12	1	1	1	2	3	0	1	0	0	1	0	1	3	0	1	1	2	1	1	1	3	36
232	Deposit and Collection Receptacles	224	33	32	42	45	25	27	18	39	23	29	19	30	24	21	14	20	24	22	32	41	30	814
234	Selective Cutting (e.g., Punching)	7	1	2	0	0	2	0	0	0	0	0	2	1	0	1	0	0	1	0	1	0	1	19
235	Registers	612	60	86	64	54	55	54	67	93	84	76	80	118	119	73	100	129	128	89	138	131	118	2528
236	Automatic Temperature and Humidity Regulation	546	36	49	32	23	33	27	38	29	20	18	25	25	39	24	32	25	22	20	21	18	21	1123
237	Heating Systems	628	37	39	36	29	19	24	20	12	18	15	14	30	29	23	15	20	18	9	10	8	3	1056
238	Railways: Surface Track	142	8	16	18	14	17	13	9	15	20	10	22	12	12	15	13	14	10	8	8	5	6	407
239	Fluid Sprinkling, Spraying, and Diffusing	1931	187	224	224	201	195	202	252	168	139	191	249	265	292	221	214	205	181	146	168	112	114	6081
241	Solid Material Comminution or Disintegration	774	76	95	89	89	90	128	107	99	96	83	95	116	87	59	74	85	61	52	64	70	58	2547
242	Winding, Tensioning, or Guiding	1364	134	139	124	111	97	112	115	97	114	118	128	156	133	122	142	125	84	85	86	70	99	3755
244	Aeronautics and Astronautics	879	95	114	79	114	127	103	87	67	81	59	107	110	120	119	129	122	113	91	98	72	53	2939
245	Wire Fabrics and Structure	12	2	2	0	2	0	3	2	1	2	2	0	3	1	1	1	0	2	2	2	1	1	42
246	Railway Switches and Signals	57	8	5	6	7	3	8	7	14	6	9	15	8	16	16	15	16	9	5	5	9	9	253
248	Supports	3941	450	597	632	713	661	569	577	548	604	551	749	673	741	651	659	606	508	397	411	413	315	15966
249	Static Molds	689	58	72	54	57	48	44	57	35	45	61	60	51	49	50	49	42	33	30	39	29	12	1664
250	Radiant Energy	1363	114	206	169	182	167	147	125	175	150	154	177	170	142	142	138	172	154	109	155	133	130	4574
251	Valves and Valve Actuation	1448	133	169	136	135	165	141	153	138	117	107	124	138	147	136	100	98	92	111	111	74	63	4036
252	Compositions	661	57	60	56	56	60	46	49	64	80	68	66	75	72	74	74	62	57	33	34	36	22	1862
254	Implements or Apparatus for Applying Pushing or Pulling Force	1131	106	115	105	92	99	114	96	102	89	101	95	132	137	124	106	119	105	98	110	89	77	3342
256	Fences	393	30	49	33	54	52	34	53	52	54	61	55	64	57	52	51	72	63	53	44	33	42	1451
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	494	49	67	69	82	87	76	110	130	117	131	164	172	173	240	243	247	237	179	210	165	177	3619



Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
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	47	4	3	2	3	1	1	1	0	0	1	0	2	0	1	0	0	0	0	0	0	0	66
261	Gas and Liquid Contact Apparatus	1156	61	77	76	81	84	59	58	62	58	57	59	52	60	65	52	43	47	37	30	35	29	2338
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	2138	204	234	252	221	225	260	250	209	226	202	269	234	225	206	196	193	159	100	120	94	49	6266
266	Metallurgical Apparatus	385	30	29	15	22	19	19	22	30	19	26	21	17	29	17	19	19	23	7	8	8	8	792
267	Spring Devices	436	51	71	46	47	36	33	43	38	42	28	37	45	27	30	44	27	31	19	28	24	24	1207
269	Work Holders	1020	108	148	146	95	121	94	95	73	109	77	106	113	109	92	86	95	77	50	68	51	32	2965
270	Sheet-Material Associating	96	9	8	12	6	5	6	9	5	5	3	7	3	9	4	3	4	5	9	3	3	3	217
271	Sheet Feeding or Delivering	355	30	34	26	31	33	33	19	29	21	11	19	18	20	14	16	13	9	10	10	7	6	764
273	Amusement Devices: Games	2479	210	301	300	341	307	295	359	325	302	303	371	322	287	297	303	290	207	162	183	176	155	8275
277	Seal for a Joint or Juncture	555	47	53	55	49	47	36	50	41	45	38	29	38	30	58	57	34	36	30	22	25	15	1390
278	Land Vehicles: Animal Draft Appliances	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5
279	Chucks or Sockets	418	27	39	44	53	34	28	34	31	30	24	34	44	23	39	17	25	10	29	14	17	13	1027
280	Land Vehicles	3886	429	506	415	481	442	495	565	515	518	392	600	576	652	620	628	530	495	441	450	439	390	14465
281	Books, Strips, and Leaves	314	39	61	62	61	52	57	47	58	49	59	73	79	65	43	46	31	26	24	26	13	10	1295
283	Printed Matter	447	39	73	89	67	81	89	85	73	67	66	102	116	101	79	56	45	34	36	31	25	16	1817
285	Pipe Joints or Couplings	1278	111	160	113	139	126	116	134	109	95	96	121	156	110	105	97	103	84	67	70	64	79	3533
289	Knots and Knot Tying	83	3	6	3	6	5	3	4	7	7	12	5	8	7	12	8	6	6	5	5	2	3	206
290	Prime-Mover Dynamo Plants	557	31	25	18	18	19	10	24	30	13	18	34	23	36	37	32	22	69	64	79	73	90	1322
291	Track Sanders	14	2	2	1	0	2	0	0	0	3	0	0	1	2	1	2	1	1	4	1	0	0	37
292	Closure Fasteners	1009	98	123	101	137	122	84	88	90	115	110	99	114	107	75	111	102	75	68	69	72	56	3025
293	Vehicle Fenders	160	14	22	28	23	22	18	13	9	10	19	17	20	13	21	14	22	14	14	14	11	16	514
294	Handling: Hand and Hoist-Line Implements	1784	211	231	201	191	178	186	178	206	195	185	237	212	209	134	188	136	89	101	108	108	92	5360
295	Railway Wheels and Axles	20	1	0	2	2	1	0	0	2	3	1	0	2	1	2	1	2	1	0	0	0	1	42
296	Land Vehicles: Bodies and Tops	1275	151	198	226	231	188	160	155	154	184	168	215	210	257	260	192	204	211	169	184	175	145	5312
297	Chairs and Seats	1505	188	268	233	235	224	182	281	224	280	247	296	316	355	267	260	261	252	208	236	176	210	6704
298	Land Vehicles: Dumping	197	13	20	16	26	15	19	13	15	13	11	16	14	18	15	12	17	28	11	13	7	7	516
299	Mining or In Situ Disintegration of Hard Material	364	32	35	26	28	24	33	11	20	15	22	20	20	25	19	19	21	15	11	19	11	31	821
300	Brush, Broom, and Mop Making	43	1	4	3	9	5	5	5	6	2	6	6	6	1	6	1	5	2	1	2	3	3	125
301	Land Vehicles: Wheels and Axles	272	32	26	42	45	44	39	42	36	52	30	43	46	54	56	55	53	45	33	40	36	31	1152
303	Fluid-Pressure and Analogous Brake Systems	118	9	11	16	9	14	21	16	21	13	17	13	16	13	16	21	15	8	7	6	1	8	389
305	Wheel Substitutes for Land Vehicles	90	9	10	6	6	3	9	11	13	4	8	10	10	14	10	11	10	4	4	5	3	5	255
307	Electrical Transmission or Interconnection Systems	690	69	95	60	63	63	61	59	73	105	103	121	126	93	60	62	77	65	37	65	45	36	2228
310	Electrical Generator or Motor Structure	801	78	93	60	70	79	78	66	72	69	72	104	101	90	106	94	85	116	87	87	56	68	2532
312	Supports: Cabinet Structure	1177	114	122	121	103	138	125	117	125	145	126	174	170	172	118	138	126	105	78	76	63	55	3688
313	Electric Lamp and Discharge Devices	334	36	40	42	34	30	21	22	32	39	27	41	58	37	47	42	49	42	32	44	25	28	1102
314	Electric Lamp and Discharge Devices: Consumable Electrodes	9	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	13
315	Electric Lamp and Discharge Devices: Systems	595	57	89	91	104	64	66	50	85	73	49	79	71	91	94	73	97	65	72	69	54	39	2127
318	Electricity: Motive Power Systems	630	64	68	78	61	45	49	65	69	62	44	71	52	64	55	49	39	35	36	37	34	32	1739
320	Electricity: Battery or Capacitor Charging or Discharging	165	12	19	14	13	29	41	28	19	36	42	42	46	47	54	46	44	38	27	23	25	16	826
322	Electricity: Single Generator Systems	128	9	8	6	11	10	10	4	3	13	11	8	5	7	8	4	8	9	16	11	7	10	306
323	Electricity: Power Supply or Regulation Systems	221	15	34	21	27	23	20	18	11	25	19	27	21	30	30	39	21	17	20	17	17	8	681
324	Electricity: Measuring and Testing	1094	115	171	134	128	130	113	108	146	148	104	148	119	132	154	166	139	127	112	144	109	112	3853
326	Electronic Digital Logic Circuitry	38	6	7	8	6	11	9	18	8	11	12	15	11	9	12	17	12	13	11	8	19	18	279
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	393	23	37	34	26	37	26	35	29	37	18	42	39	38	36	34	30	29	24	33	22	29	1051
329	Demodulators	42	3	3	0	6	4	3	3	8	4	2	2	3	3	2	2	0	2	0	1	2	1	96
330	Amplifiers	202	23	31	12	17	16	8	9	9	19	16	22	21	19	25	16	23	22	7	22	17	26	582
331	Oscillators	182	4	14	13	15	6	8	7	6	13	9	17	17	9	14	8	10	7	8	5	10	7	389
332	Modulators	49	3	3	3	6	2	2	3	7	6	2	2	5	5	4	7	1	2	3	3	7	0	125
333	Wave Transmission Lines and Networks	230	26	32	24	24	25	25	24	26	25	19	30	25	27	21	24	30	20	29	20	15	20	741
334	Tuners	23	0	0	1	0	0	0	0	2	0	0	0	0	1	0	0	1	0	0	0	1	0	29

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets	325	33	26	19	23	20	25	27	21	29	26	23	31	24	24	19	28	23	33	26	22	21	848
336	Inductor Devices	167	10	17	15	10	11	10	15	15	19	13	17	17	12	10	12	18	28	21	24	14	5	480
337	Electricity: Electrothermally or Thermally Actuated Switches	213	15	16	13	15	15	10	7	10	11	18	21	27	22	20	18	23	16	9	18	13	7	537
338	Electrical Resistors	279	26	28	31	25	22	17	12	6	14	13	14	13	20	8	10	9	7	4	6	7	4	575
340	Communications: Electrical	2630	296	462	349	355	318	274	298	354	429	455	544	532	569	518	464	359	431	425	553	424	473	11512
341	Coded Data Generation or Conversion	252	30	52	33	23	30	37	23	37	40	56	54	50	53	51	57	51	36	39	44	45	38	1131
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	318	21	30	37	28	34	44	47	38	61	46	73	66	68	87	72	62	55	66	59	53	56	1421
343	Communications: Radio Wave Antennas	343	33	44	35	45	13	31	26	38	38	30	47	54	55	61	58	35	38	51	53	60	55	1243
345	Computer Graphics Processing and Selective Visual Display Systems	288	58	73	57	49	55	39	74	76	91	113	132	152	183	182	165	158	136	143	173	151	125	2673
346	Recorders	194	18	19	13	14	8	5	4	5	7	2	3	6	2	4	3	1	1	1	0	2	2	314
347	Incremental Printing of Symbolic Information	121	18	20	17	14	14	10	17	19	19	21	33	21	28	25	35	33	27	26	44	28	43	633
348	Television	693	76	117	138	143	139	107	127	140	167	169	207	199	182	190	155	153	170	129	204	152	154	3911
349	Liquid Crystal Cells, Elements and Systems	83	12	13	14	10	17	8	7	26	23	17	16	16	16	25	17	23	19	28	20	10	15	435
351	Optics: Eye Examining, Vision Testing and Correcting	479	72	122	100	90	88	73	78	98	85	93	101	132	130	111	107	110	110	97	93	115	118	2602
352	Optics: Motion Pictures	283	11	16	26	32	18	19	11	13	16	15	17	22	11	11	10	12	16	4	10	8	6	587
353	Optics: Image Projectors	271	14	14	19	15	16	21	17	25	15	15	17	25	18	15	20	13	33	20	27	17	29	676
355	Photocopying	424	30	34	19	29	25	17	23	15	10	16	15	18	7	19	10	14	9	12	15	8	6	775
356	Optics: Measuring and Testing	850	78	109	98	112	104	108	84	111	112	110	128	131	124	67	91	98	101	93	102	97	89	2997
358	Facsimile and Static Presentation Processing	137	21	26	24	31	32	22	34	43	41	30	36	56	33	19	30	30	34	20	56	42	31	828
359	Optical: Systems and Elements	1486	158	190	226	170	186	160	160	152	146	120	186	202	189	217	224	184	171	169	186	147	143	5172
360	Dynamic Magnetic Information Storage or Retrieval	462	40	59	47	45	42	48	43	39	47	30	44	26	30	34	31	34	21	12	21	13	6	1174
361	Electricity: Electrical Systems and Devices	1017	106	153	105	118	131	112	103	139	146	148	205	174	193	197	193	190	213	158	148	153	152	4254
362	Illumination	1423	211	254	265	297	274	214	271	300	324	314	404	383	482	482	428	480	414	373	462	394	315	8764
363	Electric Power Conversion Systems	235	30	43	28	29	26	36	24	22	30	32	35	32	38	39	41	29	22	21	23	24	14	853
365	Static Information Storage and Retrieval	114	8	19	11	23	19	31	33	28	34	37	40	34	38	30	25	33	22	33	39	29	35	715
366	Agitating	920	96	91	93	81	68	71	79	94	98	77	103	98	86	93	69	55	55	49	43	38	47	2504
367	Communications, Electrical: Acoustic Wave Systems and Devices	369	31	45	65	40	59	63	30	38	38	38	38	38	35	32	29	23	26	26	27	26	47	1163
368	Horology: Time Measuring Systems or Devices	457	54	48	56	56	56	58	65	37	38	53	62	55	52	66	67	47	59	40	55	39	48	1568
369	Dynamic Information Storage or Retrieval	313	38	28	19	27	23	25	24	42	28	32	42	27	34	29	30	35	21	18	27	15	12	889
370	Multiplex Communications	155	13	30	21	19	23	20	13	43	57	42	62	54	56	53	44	46	59	61	117	110	113	1211
372	Coherent Light Generators	162	31	34	46	31	16	24	28	32	28	31	27	23	21	22	22	36	44	32	29	18	22	759
373	Industrial Electric Heating Furnaces	125	9	6	9	6	9	5	9	9	7	2	4	9	19	8	11	4	8	2	3	0	3	267
374	Thermal Measuring and Testing	494	52	58	47	46	41	34	34	23	41	37	60	31	44	42	33	38	34	32	33	33	33	1320
375	Pulse or Digital Communications	186	15	37	25	36	35	20	32	41	62	62	70	76	65	47	57	53	60	59	102	91	72	1303
376	Induced Nuclear Reactions: Processes, Systems, and Elements	306	18	16	22	16	22	22	16	17	21	16	17	10	8	9	5	9	8	6	2	3	1	570
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	295	16	31	13	13	15	14	12	12	12	6	4	6	11	8	8	3	8	5	6	1	0	499
378	X-Ray or Gamma Ray Systems or Devices	342	36	40	43	55	51	44	35	33	48	26	47	31	41	34	37	33	24	36	49	43	43	1171
379	Telephonic Communications	632	102	128	98	103	94	54	82	108	123	111	148	126	121	110	92	109	116	106	111	99	74	2847
380	Cryptography	89	17	15	32	41	23	29	34	22	27	44	43	26	39	30	25	16	20	27	36	26	27	688
381	Electrical Audio Signal Processing Systems and Devices	638	49	102	85	59	69	69	65	56	72	81	151	79	87	56	91	93	91	74	92	82	59	2300
382	Image Analysis	126	19	26	25	39	30	39	25	43	55	63	73	95	88	71	71	87	91	84	144	117	93	1504
383	Flexible Bags	549	92	109	107	121	84	92	93	104	83	75	101	122	122	106	68	57	46	42	47	42	36	2298
384	Bearings	501	49	53	57	48	51	46	65	56	44	33	47	36	32	55	47	35	19	21	19	15	19	1348
385	Optical Waveguides	208	59	49	57	63	34	39	57	42	55	46	87	80	75	72	98	91	87	95	139	74	63	1670
386	Television Signal Processing for Dynamic Recording or Reproducing	137	12	25	25	30	23	22	16	21	19	31	21	22	21	20	21	15	19	13	12	10	16	551
388	Electricity: Motor Control Systems	61	4	2	5	11	2	4	9	5	8	3	4	8	5	3	1	1	2	2	5	7	2	154
392	Electric Resistance Heating Devices	511	47	50	42	29	43	44	48	50	34	33	59	63	54	48	42	36	35	40	31	26	27	1392
396	Photography	687	63	52	64	70	40	35	52	30	47	38	81	62	43	33	36	48	51	28	31	33	36	1660
398	Optical Communications	82	9	12	10	7	8	9	14	10	19	15	19	24	19	19	30	21	20	25	28	21	18	439

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
399	Electrophotography	86	3	9	13	10	16	16	16	21	7	13	19	13	11	24	13	14	8	11	27	10	8	368
400	Typewriting Machines	367	35	43	39	40	37	47	35	59	43	37	42	39	34	23	29	37	34	35	23	26	9	1113
401	Coating Implements with Material Supply	663	80	99	115	134	102	83	114	84	92	56	94	156	137	153	114	101	110	89	96	71	67	2810
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	170	16	32	26	37	27	26	28	20	31	33	43	32	39	23	26	18	18	13	17	11	8	694
403	Joints and Connections	2117	217	259	239	204	212	203	210	210	214	201	214	209	211	198	192	195	152	133	106	97	88	6081
404	Road Structure, Process, or Apparatus	685	78	98	117	108	93	105	90	106	88	95	88	101	98	88	97	85	121	70	113	75	64	2663
405	Hydraulic and Earth Engineering	1480	143	205	186	224	208	211	151	160	222	156	191	215	153	165	198	184	183	157	176	128	137	5233
406	Conveyors: Fluid Current	247	15	27	20	27	21	17	6	15	18	12	10	14	13	20	14	19	11	7	12	5	4	554
407	Cutters, for Shaping	201	15	12	18	29	22	17	11	10	6	22	19	20	23	19	8	16	5	10	11	18	10	522
408	Cutting by Use of Rotating Axially Moving Tool	774	59	74	87	107	74	53	71	67	58	67	92	87	54	80	51	58	43	38	54	48	29	2125
409	Gear Cutting, Milling, or Planing	432	49	46	58	52	44	40	27	34	33	55	58	47	63	42	52	40	29	30	35	36	25	1327
410	Freight Accommodation On Freight Carrier	287	35	46	43	45	35	38	31	51	46	34	47	49	59	60	53	61	58	42	50	49	39	1258
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	767	93	98	130	79	106	112	82	96	120	103	118	121	107	95	78	74	73	50	61	34	34	2631
412	Bookbinding: Process and Apparatus	61	4	4	10	7	7	11	4	9	6	10	8	6	11	12	9	3	3	7	4	0	4	200
413	Sheet Metal Container Making	33	1	1	1	3	3	1	5	0	5	1	3	4	7	2	0	2	2	0	3	4	1	82
414	Material or Article Handling	2426	238	224	224	261	260	219	229	225	217	195	208	223	256	164	194	178	168	109	104	112	91	6525
415	Rotary Kinetic Fluid Motors or Pumps	662	63	40	30	42	46	50	49	51	51	29	32	30	50	59	64	66	61	52	53	55	39	1674
416	Fluid Reaction Surfaces (i.e., Impellers)	810	58	68	54	39	58	69	64	68	57	41	48	62	85	70	75	66	65	69	74	55	59	2114
417	Pumps	1525	150	151	106	140	121	134	123	118	118	107	119	125	155	155	153	127	102	51	78	50	48	3956
418	Rotary Expansible Chamber Devices	453	31	30	44	32	45	36	37	40	31	32	35	25	47	46	37	37	37	29	26	19	22	1171
419	Powder Metallurgy Processes	94	7	9	13	14	8	3	13	7	12	10	7	11	12	6	9	14	10	3	3	5	6	276
420	Alloys or Metallic Compositions	173	7	20	14	20	13	8	18	16	8	11	11	13	9	11	25	21	17	8	2	3	4	432
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	1355	132	147	146	169	188	180	181	211	178	179	213	213	197	222	191	198	140	118	114	115	127	4914
423	Chemistry of Inorganic Compounds	825	66	67	63	56	65	61	76	61	69	44	66	66	56	73	67	63	43	31	33	44	32	2027
424	Drug, Bio-Affecting and Body Treating Compositions	1071	136	209	184	194	196	195	176	213	251	335	394	455	389	489	476	449	279	207	251	213	196	6958
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	1710	201	203	177	158	148	152	150	151	142	132	157	133	129	117	115	93	97	59	90	84	58	4456
426	Food or Edible Material: Processes, Compositions, and Products	1310	140	204	181	181	143	144	120	149	163	178	184	239	240	228	179	152	146	80	94	69	45	4569
427	Coating Processes	1424	118	144	127	136	129	111	130	134	123	132	166	161	165	153	134	143	124	63	60	73	56	4006
428	Stock Material or Miscellaneous Articles	3414	348	418	403	353	335	338	342	353	351	344	398	409	383	380	304	353	274	192	170	168	100	10130
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	314	27	32	24	28	35	34	31	42	94	43	45	43	48	40	40	51	26	30	24	22	19	1092
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	360	38	21	37	37	21	18	25	34	33	22	42	40	44	37	50	39	39	33	38	24	21	1053
431	Combustion	654	51	64	59	51	58	49	64	59	62	44	75	83	88	92	57	83	65	57	40	38	24	1917
432	Heating	521	39	34	31	29	30	23	27	18	15	21	24	27	32	27	24	25	16	6	13	7	7	996
433	Dentistry	1287	151	160	152	213	196	170	183	131	171	150	245	231	179	221	163	151	106	108	162	103	85	4718
434	Education and Demonstration	1360	136	189	142	162	170	200	161	163	189	180	228	223	228	164	178	181	148	136	124	124	82	4868
435	Chemistry: Molecular Biology and Microbiology	836	92	118	116	114	133	153	155	171	189	248	367	387	320	389	299	319	246	188	233	213	199	5485
436	Chemistry: Analytical and Immunological Testing	506	69	81	53	78	72	89	93	87	114	116	143	121	105	113	79	113	83	47	60	72	86	2380
438	Semiconductor Device Manufacturing: Process	184	18	16	19	26	31	25	34	49	31	25	53	61	78	103	90	116	118	82	78	66	90	1393
439	Electrical Connectors	1049	162	180	188	164	187	161	183	177	188	189	246	194	274	247	233	198	244	208	249	218	184	5323
440	Marine Propulsion	460	53	68	71	84	64	69	63	62	66	71	76	70	80	63	57	62	61	60	76	49	45	1830
441	Buoys, Rafts, and Aquatic Devices	484	72	83	92	86	79	70	96	84	76	83	91	74	86	85	79	78	66	71	85	72	53	2145
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	251	25	35	29	19	22	24	32	42	28	27	49	57	46	40	19	20	27	18	16	23	18	867
445	Electric Lamp or Space Discharge Component or Device Manufacturing	42	4	3	4	2	4	2	3	5	3	6	5	11	7	5	5	6	4	4	10	2	4	141
446	Amusement Devices: Toys	1621	158	221	243	244	245	220	243	206	225	178	260	242	291	257	266	250	225	157	128	111	102	6093
449	Bee Culture	85	7	1	1	7	3	0	3	4	1	5	2	1	2	1	4	5	6	1	4	0	3	146
450	Foundation Garments	120	8	20	14	14	16	18	7	17	18	21	28	54	68	45	39	16	21	19	27	25	27	642
451	Abrading	1051	117	122	124	126	107	142	94	103	109	113	107	124	127	154	123	111	120	100	125	73	51	3423
452	Butchering	424	35	28	47	32	47	41	42	34	36	22	23	24	35	42	13	23	22	20	35	28	33	1086

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
453	Coin Handling	66	5	8	5	11	6	4	5	7	5	4	2	2	5	1	4	4	8	0	3	0	0	155
454	Ventilation	733	72	84	98	70	95	62	71	52	75	59	87	70	77	98	93	79	74	68	49	35	22	2223
455	Telecommunications	464	58	70	47	64	71	55	47	74	100	77	105	117	120	96	120	113	141	120	209	206	170	2644
460	Crop Threshing or Separating	69	5	5	12	12	11	6	6	10	17	2	11	12	13	11	10	4	5	5	5	4	1	236
462	Books, Strips, and Leaves for Manifoldng	72	7	10	8	2	11	19	12	12	6	5	6	10	9	9	9	0	6	3	0	1	1	218
463	Amusement Devices: Games	223	24	38	26	37	39	37	50	31	45	50	94	86	106	105	100	99	85	89	67	90	71	1592
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	272	22	33	23	22	22	16	24	19	17	26	20	23	23	35	15	22	13	11	14	7	5	684
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus	119	9	16	18	7	8	11	13	8	7	6	8	7	5	5	5	5	1	4	5	1	2	270
472	Amusement Devices	312	30	41	66	41	40	48	49	46	47	48	75	59	48	42	44	42	38	39	35	27	22	1239
473	Games Using Tangible Projectile	2147	211	326	368	386	382	368	450	483	450	431	541	447	376	370	363	362	336	299	328	293	213	9930
474	Endless Belt Power Transmission Systems or Components	353	33	55	38	47	24	36	45	44	36	35	25	27	38	15	29	20	12	15	17	6	12	962
475	Planetary Gear Transmission Systems or Components	247	46	50	37	44	44	30	26	28	39	26	30	40	47	25	31	28	23	31	26	27	27	952
476	Friction Gear Transmission Systems or Components	51	5	6	1	6	3	4	5	6	10	5	3	6	7	2	3	2	3	5	3	3	2	141
477	Interrelated Power Delivery Controls, Including Engine Control	112	7	10	12	9	4	4	5	11	14	9	10	12	7	3	7	8	5	9	11	4	9	282
482	Exercise Devices	1463	224	260	276	286	283	283	305	265	316	331	396	364	355	307	292	309	299	217	343	260	244	7678
483	Tool Changing	26	4	2	2	5	3	1	5	3	1	3	5	9	9	1	7	2	1	2	5	3	4	103
492	Roll or Roller	107	7	13	17	6	6	13	5	16	15	11	15	12	18	9	9	6	12	11	7	4	5	324
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	427	29	39	43	55	61	45	44	33	33	30	53	43	37	27	28	33	28	32	20	16	17	1173
494	Imperforate Bowl: Centrifugal Separators	112	8	11	10	17	11	12	17	8	9	10	15	16	10	11	12	6	3	3	3	6	1	311
501	Compositions: Ceramic	180	14	18	26	24	24	26	28	25	27	22	22	23	17	31	20	22	13	13	8	8	7	598
502	Catalyst, Solid Sorbent, or Support Thereof: Product or Process of Making	248	14	20	19	28	26	28	21	20	17	21	27	32	32	30	21	16	11	14	11	17	12	685
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Thereof	22	2	4	4	4	5	2	4	1	4	3	7	4	1	3	3	2	4	1	4	4	5	93
504	Plant Protecting and Regulating Compositions	79	3	8	12	9	21	11	6	5	9	14	15	38	16	23	20	15	9	8	6	6	3	336
505	Superconductor Technology: Apparatus, Material, Process	88	2	5	9	7	15	14	9	13	10	12	8	14	17	9	6	11	6	6	3	3	4	271
506	Combinatorial Chemistry Technology: Method, Library, Apparatus	0	0	0	0	0	0	0	0	0	6	2	3	8	9	3	6	10	4	3	0	0	0	54
507	Earth Boring, Well Treating, and Oil Field Chemistry	59	6	9	8	4	8	9	2	3	3	5	13	5	9	6	8	6	14	11	4	3	3	198
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions	64	5	8	6	11	9	9	8	11	10	10	16	16	12	12	7	10	6	3	8	5	2	248
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	208	22	21	24	24	16	21	19	31	34	32	49	66	43	43	46	38	39	23	28	20	18	865
512	Perfume Compositions	11	3	1	3	3	2	1	3	4	3	2	4	3	7	5	1	3	2	0	0	2	2	65
514	Drug, Bio-Affecting and Body Treating Compositions	1245	155	248	228	260	224	213	186	235	319	354	409	450	366	445	405	348	240	201	203	170	134	7038
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	92	3	7	13	12	8	10	10	11	11	11	13	10	11	11	10	11	11	3	3	5	6	282
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof	21	0	2	0	0	2	1	2	2	3	0	2	1	2	5	1	1	2	1	2	5	1	56
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	319	28	22	16	18	29	29	22	22	16	21	32	28	17	23	18	23	7	15	4	7	3	719
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	63	7	3	6	2	5	5	3	12	10	5	6	9	7	8	6	12	8	3	5	6	4	195
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	281	24	26	31	27	25	38	25	39	26	32	45	38	17	38	33	34	14	21	16	16	7	853
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	582	38	52	49	56	56	43	52	54	57	55	81	56	54	60	59	60	34	39	37	34	22	1630
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	396	20	31	42	40	44	42	30	35	29	29	45	35	33	29	35	34	20	16	23	31	11	1050
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	180	19	10	13	20	18	25	19	9	12	12	17	22	14	20	11	32	13	15	12	10	6	509
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	48	3	6	3	2	7	5	5	5	2	2	3	0	3	2	2	1	2	0	2	1	1	105
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	374	19	23	28	24	32	43	28	35	22	24	29	33	19	29	32	14	19	14	20	20	15	896
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	362	26	45	33	51	53	59	53	61	65	109	161	138	94	133	98	115	99	72	74	98	79	2078
534	Organic Compounds -- Part of the Class 532-570 Series	41	3	7	7	5	4	4	3	3	2	5	8	2	4	2	2	2	0	0	0	1	1	106

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
536	Organic Compounds -- Part of the Class 532-570 Series	214	23	28	31	35	43	29	29	48	81	88	145	173	121	136	105	115	82	71	95	70	57	1819
540	Organic Compounds -- Part of the Class 532-570 Series	91	7	10	8	11	5	7	4	8	6	20	10	11	6	8	12	7	7	4	11	3	4	260
544	Organic Compounds -- Part of the Class 532-570 Series	167	10	18	22	15	18	14	14	18	23	20	19	24	26	20	21	20	21	14	16	12	11	543
546	Organic Compounds -- Part of the Class 532-570 Series	157	12	23	20	11	20	19	16	20	30	25	23	20	32	26	20	33	23	14	26	13	18	601
548	Organic Compounds -- Part of the Class 532-570 Series	157	17	23	15	20	26	15	21	16	30	20	17	20	16	16	25	24	20	12	17	17	8	552
549	Organic Compounds -- Part of the Class 532-570 Series	131	5	15	16	15	10	20	12	11	15	18	27	25	23	25	20	18	12	10	13	18	7	466
552	Organic Compounds -- Part of the Class 532-570 Series	56	2	3	6	9	3	2	1	5	2	3	2	7	2	4	3	5	3	1	2	3	1	125
554	Organic Compounds -- Part of the Class 532-570 Series	87	3	7	7	8	5	4	11	9	10	11	8	8	11	11	17	13	13	5	5	6	6	265
556	Organic Compounds -- Part of the Class 532-570 Series	116	7	5	8	12	10	7	7	11	12	14	7	14	5	14	8	9	6	4	1	10	5	292
558	Organic Compounds -- Part of the Class 532-570 Series	95	7	12	9	4	10	12	4	12	11	6	10	15	6	6	9	3	4	3	8	5	4	255
560	Organic Compounds -- Part of the Class 532-570 Series	148	12	23	16	13	16	21	15	13	21	13	13	16	10	15	21	19	8	3	3	5	4	428
562	Organic Compounds -- Part of the Class 532-570 Series	143	15	26	13	14	14	21	13	17	13	17	15	17	10	22	16	15	8	9	11	12	6	447
564	Organic Compounds -- Part of the Class 532-570 Series	122	6	15	13	12	12	9	8	19	19	17	11	10	11	19	19	14	6	6	12	6	3	369
568	Organic Compounds -- Part of the Class 532-570 Series	178	10	23	20	23	31	23	17	31	15	18	34	35	18	13	14	15	17	8	8	9	6	566
570	Organic Compounds -- Part of the Class 532-570 Series	27	0	5	3	5	15	3	0	3	3	5	2	4	3	7	2	0	1	2	0	3	0	93
585	Chemistry of Hydrocarbon Compounds	131	5	23	20	16	25	17	9	31	16	15	26	27	24	19	9	19	10	8	14	2	12	478
588	Hazardous or Toxic Waste Destruction or Containment	104	11	15	11	7	12	22	33	37	37	43	31	39	28	18	27	10	11	7	10	11	9	533
600	Surgery	1786	191	282	284	320	282	341	373	375	314	256	502	411	433	372	423	354	266	210	254	198	198	8425
601	Surgery: Kinesitherapy	606	82	85	76	97	111	66	75	111	110	90	126	100	101	110	84	95	82	62	101	92	72	2534
602	Surgery: Splint, Brace, or Bandage	601	79	88	93	108	96	99	103	118	90	115	174	156	159	113	122	131	107	92	100	46	50	2840
604	Surgery	2195	303	440	397	442	439	514	562	480	442	426	522	414	405	342	336	412	273	189	184	157	148	10022
606	Surgery	1367	209	249	239	292	344	386	440	427	462	547	607	578	519	435	385	443	292	229	228	200	134	9012
607	Surgery: Light, Thermal, and Electrical Application	557	60	81	89	94	82	80	86	107	97	80	124	137	155	138	115	135	101	81	76	84	48	2607
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	713	99	125	120	111	151	116	118	106	160	133	168	154	174	188	200	181	159	121	129	88	67	3581
700	Data Processing: Generic Control Systems or Specific Applications	283	42	54	50	50	53	44	67	59	83	62	110	101	74	84	94	129	120	102	129	90	107	1987
701	Data Processing: Vehicles, Navigation, and Relative Location	135	12	35	19	26	24	22	35	39	44	37	76	73	70	110	111	96	82	106	115	95	98	1460
702	Data Processing: Measuring, Calibrating, or Testing	320	43	63	39	42	45	44	47	38	64	65	78	77	62	75	103	121	124	100	120	119	110	1899
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	11	5	8	3	5	7	9	8	7	11	23	18	26	17	20	26	26	20	31	56	38	50	425
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	88	6	17	18	23	19	21	22	27	24	33	50	47	29	46	40	37	38	21	54	44	46	750
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination	111	17	25	29	30	35	47	50	24	49	77	110	192	154	125	136	143	142	194	274	224	271	2459
706	Data Processing: Artificial Intelligence	9	4	6	12	15	11	16	13	23	29	22	53	31	31	32	38	44	29	22	34	24	25	523
707	Data Processing: Database and File Management or Data Structures	29	2	8	7	7	10	14	18	32	24	46	92	115	92	99	105	133	136	112	167	170	133	1551
708	Electrical Computers: Arithmetic Processing and Calculating	221	15	40	23	22	25	31	28	20	32	33	34	42	29	20	32	21	19	16	21	15	14	753
709	Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring	11	2	0	4	2	3	7	6	7	23	26	60	59	77	80	89	92	106	91	147	143	111	1146
710	Electrical Computers and Digital Data Processing Systems: Input/Output	39	7	4	7	8	5	11	10	19	21	29	40	26	33	29	20	31	25	21	32	35	21	473
711	Electrical Computers and Digital Processing Systems: Memory	53	8	8	5	10	7	11	12	21	20	33	35	28	21	24	17	25	27	20	40	29	39	493
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)	42	4	14	10	3	8	8	6	10	16	20	30	13	13	19	12	11	8	13	20	12	14	306
713	Electrical Computers and Digital Processing Systems: Support	36	8	17	18	24	16	23	25	21	39	42	53	37	46	41	36	34	37	45	86	66	70	820
714	Error Detection/Correction and Fault Detection/Recovery	97	11	25	8	19	19	9	24	31	40	40	52	35	39	39	35	42	37	38	42	63	38	783
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing	36	7	17	12	9	19	20	34	25	28	50	86	82	62	80	58	73	74	62	106	94	61	1095
716	Data Processing: Design and Analysis of Circuit or Semiconductor Mask	8	3	3	1	0	3	0	4	5	3	9	10	4	4	17	29	29	25	18	36	43	37	291
717	Data Processing: Software Development, Installation, and Management	7	1	1	1	1	2	0	3	7	8	8	13	19	14	15	17	12	12	17	21	25	22	226
718	Electrical Computers and Digital Processing Systems: Virtual Machine Task or Process Management or Task Management/Control	2	0	0	1	2	1	1	3	5	3	3	9	9	7	3	10	7	9	9	6	9	6	105

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)	0	1	0	0	0	0	1	0	5	3	4	8	3	7	7	14	13	9	8	12	2	9	106
720	Dynamic Optical Information Storage or Retrieval	11	3	2	3	4	1	3	3	6	4	1	7	6	7	3	7	8	7	8	6	1	7	108
725	Interactive Video Distribution Systems	72	9	8	16	19	12	14	12	16	32	19	32	39	31	26	17	20	20	13	28	23	19	497
726	Information Security	11	2	2	4	1	4	0	5	2	4	11	20	21	29	25	22	21	25	26	53	36	41	365
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	8	2	1	1	2	1	2	3	5	4	8	30	25	22	19	20	18	20	17	17	18	21	264
901	Robots	160	26	26	17	35	26	22	18	19	19	16	20	19	16	16	20	16	12	10	8	6	7	534
902	Electronic Funds Transfer	107	8	8	5	6	4	5	6	6	2	12	9	4	11	2	4	5	3	3	6	5	4	225
903	Hybrid Electric Vehicles (Hevs)	32	2	0	2	1	4	4	8	3	7	7	8	6	6	3	9	8	7	7	1	1	2	128
930	Peptide or Protein Sequence	108	19	11	0	0	3	3	3	0	0	2	4	4	4	6	2	1	2	1	0	1	0	174
968	Horology	539	53	54	46	1	0	0	0	0	0	2	0	1	1	0	0	1	0	0	0	0	1	699
976	Nuclear Technology	344	31	33	16	7	5	2	1	4	4	3	3	0	2	0	1	0	0	0	0	1	0	457
977	Nanotechnology	5	0	1	1	1	2	5	7	7	11	15	14	27	17	25	23	41	27	8	11	13	22	283
984	Musical Instruments	1104	106	120	76	0	0	0	0	0	0	0	0	0	1	2	1	3	0	0	1	2	1	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	89	13	9	7	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	123
G9B	Information Storage Based On Relative Movement Between Record Carrier and Transducer	900	115	116	106	111	112	134	139	137	146	158	190	140	137	142	135	136	108	84	70	49	43	3408
SUBTOTAL	UTILITY CLASSES	261251	26016	32778	30695	31765	30116	29040	30025	30009	31481	29963	37586	37728	36778	35215	32992	31794	28306	23702	26265	22361	19938	895804
D00	** Design Classification Undetermined **	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
D01	Edible Products	67	7	6	20	22	9	13	17	10	19	24	27	27	30	32	21	6	27	13	19	15	22	453
D02	Apparel and Haberdashery	801	100	110	122	156	101	172	179	188	205	195	300	253	210	154	209	179	160	128	181	221	280	4604
D03	Travel Goods and Personal Belongings	1255	119	105	218	236	227	290	271	270	263	249	332	338	313	270	250	247	206	181	283	243	261	6427
D04	Brushware	233	46	33	39	49	51	69	58	73	88	71	94	74	95	85	112	59	43	35	58	39	69	1573
D05	Textile or Paper Yard Goods; Sheet Material	74	6	8	7	6	5	4	5	6	6	11	15	10	17	19	7	17	9	9	14	12	18	285
D06	Furnishings	3955	355	352	447	536	539	713	577	719	651	583	734	675	742	651	694	580	463	353	467	632	526	15944
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified	2002	196	241	232	231	237	370	324	312	396	262	341	285	362	332	258	311	290	204	380	341	368	8275
D08	Tools and Hardware	2315	265	268	340	411	394	462	446	492	448	384	550	471	545	405	341	458	397	289	446	489	514	11130
D09	Packages and Containers for Goods	890	95	78	147	201	150	176	189	196	218	207	210	179	207	216	160	196	139	124	184	193	205	4560
D10	Measuring, Testing, or Signalling Instruments	1240	129	118	157	234	192	269	278	282	201	200	291	262	230	204	199	158	166	141	172	194	221	5538
D11	Jewelry, Symbolic Insignia, and Ornaments	1537	92	123	123	177	157	211	219	234	199	207	239	219	252	254	250	197	186	175	225	236	274	5786
D12	Transportation	1479	267	246	342	330	361	390	344	350	361	289	374	285	356	283	240	269	306	254	303	335	343	8107
D13	Equipment for Production, Distribution, or Transformation of Energy	308	35	26	50	76	66	74	86	85	77	74	85	118	110	99	106	105	64	40	86	87	121	1978
D14	Recording, Communication, or Information Retrieval Equipment	675	78	88	110	131	117	165	139	180	178	185	212	182	237	181	183	194	172	104	172	180	177	4040
D15	Machines Not Elsewhere Specified	836	57	62	84	57	124	140	91	152	141	89	106	82	77	64	58	81	82	58	108	133	97	2779
D16	Photography and Optical Equipment	291	29	21	63	42	57	49	55	49	80	63	82	74	102	51	60	88	50	46	51	90	74	1567
D17	Musical Instruments	273	26	20	37	34	32	37	41	35	36	26	40	46	26	42	23	40	21	19	39	25	51	969
D18	Printing and Office Machinery	293	18	23	28	43	27	51	28	28	31	18	30	26	34	20	28	25	16	12	44	30	29	882
D19	Office Supplies; Artists' and Teachers' Materials	880	62	76	82	143	142	153	155	182	129	154	209	162	157	156	121	135	132	109	97	109	154	3699
D20	Sales and Advertising Equipment	284	30	22	56	62	55	82	81	90	73	95	114	90	82	59	29	78	62	44	53	58	44	1643
D21	Games, Toys, and Sports Goods	2661	261	330	367	517	475	482	564	550	496	461	677	512	543	487	388	342	319	305	414	354	403	11908
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment	760	84	118	114	90	97	108	116	128	139	95	97	116	102	97	108	98	80	74	113	120	97	2951
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment	1264	91	91	123	227	179	167	223	232	175	184	239	231	280	209	206	210	201	203	259	239	282	5515
D24	Medical and Laboratory Equipment	1302	152	169	185	195	229	243	235	233	231	200	246	220	226	252	199	187	128	95	163	224	226	5540
D25	Building Units and Construction Elements	1188	80	81	67	83	111	111	153	141	123	127	144	142	145	125	156	147	129	113	87	135	129	3717
D26	Lighting	588	67	78	73	121	125	111	154	159	200	179	234	183	275	328	272	257	221	147	231	293	301	4597
D27	Tobacco and Smokers' Supplies	230	10	11	14	19	6	9	18	21	20	26	49	55	38	40	42	37	38	35	59	60	42	879

Class	Class Title	Pre 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	All Years
D28	Cosmetic Products and Toilet Articles	521	58	84	147	83	57	86	130	103	112	127	114	105	176	154	103	115	112	64	82	71	73	2677
D29	Equipment for Safety, Protection, and Rescue	248	54	38	52	34	42	58	65	80	73	60	52	53	67	36	58	41	44	26	42	77	72	1372
D30	Animal Husbandry	556	80	57	66	120	118	154	140	145	135	117	88	80	130	72	74	81	75	72	92	98	113	2663
D32	Washing, Cleaning, or Drying Machine	383	50	45	79	76	65	81	103	122	100	105	121	92	90	69	66	83	54	42	61	102	94	2083
D34	Material or Article Handling Equipment	517	151	137	121	204	228	206	146	169	97	81	117	86	96	76	73	87	65	41	123	125	70	3016
D99	Miscellaneous	220	7	25	23	23	29	40	31	53	34	43	48	37	45	59	33	67	48	32	44	31	20	992
<b>SUBTOTAL</b>	<b>DESIGN CLASSES</b>	<b>30126</b>	<b>3157</b>	<b>3290</b>	<b>4135</b>	<b>4969</b>	<b>4804</b>	<b>5746</b>	<b>5661</b>	<b>6069</b>	<b>5735</b>	<b>5191</b>	<b>6611</b>	<b>5770</b>	<b>6397</b>	<b>5581</b>	<b>5127</b>	<b>5175</b>	<b>4505</b>	<b>3587</b>	<b>5152</b>	<b>5592</b>	<b>5770</b>	<b>138150</b>
PLT	Plants	696	132	188	98	119	75	101	97	78	83	91	124	101	92	125	261	232	156	105	199	163	267	3583
<b>SUBTOTAL</b>	<b>PLANT CLASSES</b>	<b>696</b>	<b>132</b>	<b>188</b>	<b>98</b>	<b>119</b>	<b>75</b>	<b>101</b>	<b>97</b>	<b>78</b>	<b>83</b>	<b>91</b>	<b>124</b>	<b>101</b>	<b>92</b>	<b>125</b>	<b>261</b>	<b>232</b>	<b>156</b>	<b>105</b>	<b>199</b>	<b>163</b>	<b>267</b>	<b>3583</b>
<b>TOTAL</b>	<b>ALL CLASSES</b>	<b>292073</b>	<b>29305</b>	<b>36256</b>	<b>34928</b>	<b>36853</b>	<b>34995</b>	<b>34887</b>	<b>35783</b>	<b>36156</b>	<b>37299</b>	<b>35245</b>	<b>44321</b>	<b>43599</b>	<b>43267</b>	<b>40921</b>	<b>38380</b>	<b>37201</b>	<b>32967</b>	<b>27394</b>	<b>31616</b>	<b>28116</b>	<b>25975</b>	<b>1037537</b>

Patent Counts By Class By Year - Independent Inventors  
PART A1  
Granted: 01/01/1977 - 12/31/2008  
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