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

Patent Counts By Class By Year - Independent Inventors

PART A1
Granted: 01/01/1977 - 12/31/2010
A Patent Technology Monitoring Team Report

Parts of the Report

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

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

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

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

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

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

[CONTACT INFORMATION -](#)

Patent Counts By Class By Year - Independent Inventors
PART A1
Granted: 01/01/1977 - 12/31/2010
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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 475 total classes and 165,000 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, 2010).**

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). For a limited number of patents, the PRIMARY classification has been changed from class 001 and D00 to another class more indicative of the subject matter of the patents. These changes have been made only in cases where the patents could be associated with a class other than class 001 and D00.

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

PATENTS INCLUDED IN THIS REPORT

This Patent Technology Monitoring Team (PTMT) Report profiles patent activity for U.S. patents granted between **01/01/1977 and 12/31/2010**. 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 - 12/31/2010**. These profiled documents hereafter will be referred to as "patents".

PART A1 -- DATA DISTRIBUTION BY YEAR OF GRANT

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

Report Printing and the Use of Spreadsheet Software

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

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

Patent Counts By Class By Year - Independent Inventors

PART A1

Granted: 01/01/1977 - 12/31/2010

A Patent Technology Monitoring Team Report

Part A1-1. Patent Counts Based on ORIGINAL Classification Only

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

Table A1-1, Breakout by U.S. Patent Classification System Class
Patent Counts Distributed by Year of Patent Grant
Patents Granted: 01/01/1977 - 12/31/2010

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
001	** Classification Undetermined **	7	0	0	0	0	1	0	0	0	0	0	1	0	1	0	2	2	3	3	1	1	5	27
002	Apparel	1522	175	255	220	161	176	152	266	296	348	427	372	375	308	205	220	178	206	129	123	81	179	6374
004	Baths, Closets, Sinks, and Spitoons	1388	176	182	148	174	190	152	136	152	212	264	218	201	236	198	177	133	123	110	84	54	108	4816
005	Beds	1297	191	193	214	165	157	152	208	175	181	190	206	177	166	189	188	186	169	120	138	139	162	4963
007	Compound Tools	168	19	25	15	28	21	12	24	17	23	23	26	34	24	14	21	21	21	23	2	8	10	579
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	175	11	9	11	14	18	14	17	14	22	18	17	16	15	14	6	8	7	7	9	7	9	438
012	Boot and Shoe Making	78	7	4	2	5	5	3	2	3	5	13	1	6	2	6	6	1	2	2	4	1	3	161
014	Bridges	105	8	12	4	8	12	16	15	10	10	17	6	7	15	11	17	8	11	16	11	10	10	339
015	Brushing, Scrubbing, and General Cleaning	1738	143	166	134	144	193	199	236	181	237	238	251	186	175	175	137	111	106	123	126	104	152	5255
016	Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, Etc.)	458	39	54	37	40	63	55	69	66	92	76	70	64	97	78	67	57	50	38	21	36	55	1682
019	Textiles: Fiber Preparation	117	15	14	6	5	13	10	6	8	5	10	10	8	14	4	1	0	3	1	3	3	2	258
023	Chemistry: Physical Processes	15	0	0	2	0	3	1	0	0	1	1	3	0	1	1	0	0	0	1	0	1	1	31
024	Buckles, Buttons, Clasps, Etc.	899	111	125	103	79	81	98	95	131	121	116	121	130	126	141	79	46	79	61	55	54	64	2915
026	Textiles: Cloth Finishing	38	4	4	2	1	1	1	4	5	1	4	2	2	0	0	1	0	2	2	1	1	4	80
027	Undertaking	61	11	9	6	7	7	5	5	12	11	9	5	9	6	15	6	2	9	18	15	12	15	255
028	Textiles: Manufacturing	55	6	6	6	2	9	6	5	4	4	7	4	3	4	1	7	2	4	1	3	3	1	143
029	Metal Working	1742	156	169	145	168	127	133	131	144	137	120	152	158	142	157	136	125	140	115	81	82	109	4569
030	Cutlery	1337	151	155	118	104	109	98	124	97	136	137	129	116	146	124	127	93	87	74	49	51	68	3630
033	Geometrical Instruments	1710	185	177	171	113	117	167	121	96	132	112	143	148	134	150	163	169	120	141	113	133	145	4660
034	Drying and Gas or Vapor Contact with Solids	609	36	46	47	50	52	49	43	56	59	75	78	51	49	41	40	39	38	21	36	11	18	1544
036	Boots, Shoes, and Leggings	821	81	61	47	69	73	64	65	86	126	106	96	83	76	76	81	66	67	69	55	57	87	2412
037	Excavating	432	37	36	43	38	23	31	47	29	35	43	49	40	49	31	34	30	22	17	12	35	48	1161
038	Textiles: Ironing or Smoothing	121	13	13	9	8	12	9	13	7	11	14	10	11	9	7	11	8	7	14	7	4	13	331
040	Card, Picture, or Sign Exhibiting	1232	113	112	78	95	113	100	92	98	124	135	154	140	148	180	131	101	96	101	106	93	88	3630
042	Firearms	691	93	112	63	61	70	82	63	84	88	77	49	77	104	108	88	65	66	64	60	61	79	2305
043	Fishing, Trapping, and Vermin Destroying	2101	231	208	215	220	219	163	223	135	139	263	214	141	183	205	171	135	130	98	101	107	133	5735
044	Fuel and Related Compositions	209	14	8	9	13	13	14	12	9	4	15	22	10	10	14	14	10	6	5	9	17	17	454
047	Plant Husbandry	826	82	100	79	82	108	106	100	62	88	103	124	98	103	94	52	60	62	41	34	48	90	2542
048	Gas: Heating and Illuminating	113	7	3	4	0	4	6	0	2	7	3	4	3	0	2	6	1	8	5	3	7	8	196
049	Movable or Removable Closures	591	44	50	48	33	51	60	61	41	55	47	50	57	42	35	53	27	30	22	16	21	24	1458
051	Abrasive Tool Making Process, Material, or Composition	85	11	11	14	18	7	8	5	14	4	4	6	4	5	4	3	2	2	3	2	0	1	213
052	Static Structures (e.g., Buildings)	3750	351	304	261	309	348	301	384	431	495	465	459	529	433	401	359	294	234	179	170	235	374	11066
053	Package Making	687	56	76	52	46	45	65	60	51	71	57	54	47	33	37	53	53	30	26	41	41	35	1716
054	Harness for Working Animal	131	14	19	18	14	15	12	13	9	20	8	20	17	24	28	18	10	20	19	20	13	5	467
055	Gas Separation	277	24	30	31	28	9	15	25	17	35	36	28	33	24	30	29	16	21	18	25	27	24	802
056	Harvesters	773	91	88	77	78	71	88	75	39	65	80	71	48	64	43	48	57	42	22	19	26	35	2000
057	Textiles: Spinning, Twisting, and Twining	334	28	13	27	39	32	14	8	16	34	17	10	15	10	5	6	0	5	2	5	1	1	622

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
059	Chain, Staple, and Horseshoe Making	70	8	4	2	4	9	7	6	10	4	9	6	4	5	11	9	11	6	6	5	5	2	203
060	Power Plants	1387	64	68	77	88	61	56	61	69	82	86	91	100	92	84	91	82	116	63	48	51	68	2985
062	Refrigeration	1339	145	130	105	142	141	110	127	122	150	144	156	192	201	170	116	89	105	106	74	54	81	3999
063	Jewelry	193	19	27	35	25	14	30	25	32	21	24	25	19	30	30	24	18	19	24	25	14	15	688
065	Glass Manufacturing	192	10	4	13	9	13	4	6	5	11	22	8	7	18	12	8	10	9	5	4	3	2	375
066	Textiles: Knitting	181	2	19	4	12	4	3	12	15	10	12	18	20	14	6	11	10	10	7	3	10	13	396
068	Textiles: Fluid Treating Apparatus	126	6	9	10	9	9	12	11	7	15	15	10	8	15	14	2	2	2	2	11	5	4	304
069	Leather Manufactures	39	2	4	0	0	1	0	2	1	0	0	1	1	1	1	2	1	0	1	1	1	2	61
070	Locks	1088	116	123	102	104	105	122	103	128	174	170	104	92	121	129	96	88	79	58	71	60	46	3279
071	Chemistry: Fertilizers	134	9	3	18	6	10	16	14	19	17	11	11	12	19	8	8	1	4	0	4	4	8	336
072	Metal Deforming	1034	73	72	42	60	53	40	57	63	84	83	69	52	46	42	37	42	71	54	38	34	34	2180
073	Measuring and Testing	2463	187	205	167	159	173	203	217	189	209	196	166	167	205	219	179	161	162	160	181	136	127	6231
074	Machine Element or Mechanism	951	81	79	116	92	91	85	109	90	102	112	101	86	58	73	53	32	41	46	28	40	32	2498
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	285	15	11	12	13	21	25	12	14	17	14	14	27	25	17	8	8	7	8	4	9	10	576
076	Metal Tools and Implements, Making	161	6	15	13	5	10	16	10	10	7	3	15	5	3	7	1	3	3	2	3	1	0	299
079	Button Making	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
081	Tools	1192	126	134	109	115	129	91	116	79	118	182	215	251	187	139	157	177	235	184	129	59	94	4218
082	Turning	259	10	15	16	12	14	7	9	19	19	19	15	22	13	30	12	12	9	3	3	2	11	531
083	Cutting	1010	92	100	84	76	58	51	58	47	72	93	73	66	45	57	99	52	57	47	30	39	38	2344
084	Music	1345	113	109	91	87	104	124	128	95	130	158	173	152	121	131	123	96	132	149	161	185	214	4121
086	Ammunition and Explosive-Charge Making	88	3	9	5	10	3	5	2	4	5	1	6	2	6	3	1	4	6	1	2	9	9	184
087	Textiles: Braiding, Netting, and Lace Making	30	2	1	2	5	0	0	1	2	1	5	2	0	5	5	5	1	2	3	2	0	2	76
089	Ordnance	247	43	22	24	27	24	32	17	20	27	28	21	29	31	31	35	19	20	24	25	21	34	801
091	Motors: Expansible Chamber Type	300	19	18	17	19	18	4	9	9	10	6	9	5	8	6	8	4	5	5	1	3	3	486
092	Expansible Chamber Devices	208	33	29	16	12	25	22	16	7	18	12	10	13	15	17	9	8	6	14	12	6	5	513
095	Gas Separation: Processes	233	23	20	27	19	13	14	16	21	23	28	14	28	27	22	17	22	16	11	16	9	27	646
096	Gas Separation: Apparatus	345	41	25	27	29	19	21	27	19	21	27	22	25	25	17	23	23	24	15	12	19	25	831
099	Foods and Beverages: Apparatus	896	78	72	88	92	93	126	102	130	148	133	149	150	110	96	89	60	64	27	48	33	65	2849
100	Presses	423	17	40	45	41	37	29	28	34	37	25	21	22	11	27	16	14	24	15	22	14	8	950
101	Printing	510	43	53	49	49	51	69	39	49	67	50	56	53	36	49	52	27	42	17	10	19	15	1405
102	Ammunition and Explosives	260	30	33	36	31	28	32	18	15	19	21	11	34	28	27	28	24	21	24	21	20	24	785
104	Railways	252	23	27	20	14	16	24	20	25	22	18	14	20	29	23	21	22	8	5	14	24	18	659
105	Railway Rolling Stock	106	10	11	13	13	6	8	13	11	12	3	12	14	12	6	6	11	7	5	4	7	9	299
106	Compositions: Coating or Plastic	345	27	31	31	34	59	35	44	33	39	44	32	39	32	39	38	24	20	25	17	18	29	1035
108	Horizontally Supported Planar Surfaces	493	44	42	51	28	62	62	83	77	77	83	103	68	63	66	72	43	43	14	28	36	35	1673
109	Safes, Bank Protection, or a Related Device	138	11	5	2	10	5	3	5	11	9	9	8	3	7	5	2	4	2	3	1	1	3	247
110	Furnaces	351	42	36	35	29	44	29	23	19	30	15	17	21	19	12	15	16	18	5	10	6	8	800
111	Planting	226	26	18	16	12	18	23	28	22	10	22	21	29	19	24	13	12	18	7	14	21	20	619
112	Sewing	325	16	34	28	19	20	16	20	18	32	40	29	35	26	11	16	19	20	9	13	12	11	769
114	Ships	1521	179	181	148	139	144	138	147	139	141	154	175	147	133	137	108	162	155	130	102	96	91	4467
116	Signals and Indicators	403	49	62	34	34	49	38	35	28	23	32	41	37	42	32	44	33	28	27	27	24	33	1155
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	73	6	4	2	2	6	7	3	4	9	8	8	7	4	3	3	3	3	7	16	5	4	187
118	Coating Apparatus	403	25	48	36	33	37	43	32	37	40	47	32	32	34	31	21	15	22	14	14	17	14	1027
119	Animal Husbandry	1411	169	200	209	180	186	164	194	186	288	227	216	207	256	249	176	156	180	154	120	95	141	5364
122	Liquid Heaters and Vaporizers	288	20	12	8	9	17	11	11	6	16	15	14	11	10	25	11	13	11	8	6	11	7	540
123	Internal-Combustion Engines	2225	139	182	159	142	126	131	137	123	159	136	129	195	147	156	132	138	156	133	128	98	114	5185
124	Mechanical Guns and Projectors	502	44	54	51	53	60	67	70	91	59	60	56	60	52	67	80	48	48	53	33	42	78	1728
125	Stone Working	121	14	6	9	9	11	8	10	15	10	12	14	16	12	11	17	14	24	10	11	2	7	363
126	Stoves and Furnaces	2664	112	96	60	83	79	75	65	61	73	93	102	90	48	70	65	63	37	18	19	30	46	4049

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
127	Sugar, Starch, and Carbohydrates	39	2	2	7	4	5	3	2	1	4	6	1	4	1	0	0	1	1	2	1	0	2	88
128	Surgery	1066	149	188	151	149	181	191	215	205	245	195	176	170	171	160	159	115	126	81	64	59	93	4309
131	Tobacco	403	25	24	26	7	15	22	23	22	41	27	29	13	19	17	24	9	8	6	5	9	9	783
132	Toilet	621	76	92	68	73	85	72	87	88	169	195	141	104	86	75	57	25	46	62	36	40	34	2332
134	Cleaning and Liquid Contact with Solids	554	57	83	68	62	65	90	68	56	76	120	98	79	83	74	48	34	33	37	33	37	35	1890
135	Tent, Canopy, Umbrella, or Cane	415	60	50	52	60	101	62	77	84	90	80	83	127	79	71	87	63	44	64	63	65	72	1949
136	Batteries: Thermoelectric and Photoelectric	179	8	10	6	4	10	13	16	11	14	9	22	15	19	10	14	9	8	6	0	13	13	409
137	Fluid Handling	2020	185	190	195	183	181	147	141	143	171	237	251	223	128	126	135	128	137	118	80	69	95	5283
138	Pipes and Tubular Conduits	340	14	32	28	20	31	30	29	23	45	63	52	45	34	24	23	24	20	17	16	27	24	961
139	Textiles: Weaving	170	5	14	10	3	5	11	11	7	7	5	8	8	5	1	8	7	8	1	3	1	6	304
140	Wireworking	109	8	4	4	3	9	8	7	5	9	5	8	6	3	5	2	1	10	7	2	4	1	220
141	Fluent Material Handling, with Receiver or Receiver Coacting Means	561	44	50	53	54	73	69	72	68	62	76	68	88	81	60	80	66	52	51	22	31	45	1826
142	Wood Turning	21	1	3	4	1	1	1	1	2	1	5	2	0	0	1	0	0	0	0	0	0	0	44
144	Woodworking	705	59	56	69	46	52	50	40	44	53	59	62	52	59	61	31	19	49	30	27	24	38	1685
147	Coopering	3	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5
148	Metal Treatment	155	15	11	18	15	24	14	9	15	15	14	19	26	22	26	21	8	2	4	9	10	6	458
149	Explosive and Thermic Compositions or Charges	56	3	3	1	1	2	1	4	3	3	0	2	3	1	2	2	3	0	0	0	2	1	93
150	Purses, Wallets, and Protective Covers	100	19	15	14	16	15	10	14	6	13	13	24	21	14	15	10	7	10	10	10	19	11	386
152	Resilient Tires and Wheels	280	17	16	16	25	19	14	13	16	16	17	22	17	13	21	13	11	17	12	11	10	12	608
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	1354	100	89	101	99	111	136	107	109	127	141	129	140	122	111	104	52	62	53	40	38	79	3404
157	Wheelwright Machines	84	7	7	7	5	3	5	4	1	2	3	5	7	2	1	1	2	3	5	6	4	3	167
159	Concentrating Evaporators	43	1	0	5	6	3	3	2	0	3	1	1	0	1	0	0	2	2	0	0	1	1	75
160	Flexible or Portable Closure, Partition, or Panel	520	60	78	74	60	52	70	69	82	84	86	111	92	81	70	74	61	57	53	35	38	55	1962
162	Paper Making and Fiber Liberation	151	16	14	11	18	14	12	15	12	20	10	13	21	9	9	6	4	7	10	8	13	6	399
163	Needle and Pin Making	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
164	Metal Founding	389	33	21	13	29	26	12	31	13	21	13	6	20	31	23	12	17	18	7	7	2	10	754
165	Heat Exchange	830	58	46	59	39	67	52	48	27	49	51	39	53	42	36	70	37	61	26	24	17	17	1748
166	Wells	705	64	71	78	71	80	67	58	53	73	56	81	126	70	79	69	50	77	75	82	55	103	2243
168	Farriery	57	4	13	13	10	5	2	4	6	6	4	11	8	9	7	5	6	2	4	5	8	2	191
169	Fire Extinguishers	199	16	27	30	22	13	9	25	31	31	42	40	24	26	20	12	17	23	16	10	13	21	667
171	Unearthing Plants or Buried Objects	59	8	4	3	2	6	3	1	1	2	1	4	2	5	0	1	1	5	0	1	1	4	114
172	Earth Working	720	51	34	39	34	38	50	47	42	65	51	54	49	41	33	32	34	26	10	10	15	18	1493
173	Tool Driving or Impacting	263	17	23	20	9	14	16	15	15	28	21	28	15	10	21	24	19	18	12	9	6	8	611
174	Electricity: Conductors and Insulators	356	42	39	37	45	46	49	39	48	83	78	59	84	95	80	72	102	87	61	64	75	65	1706
175	Boring or Penetrating the Earth	571	50	52	52	36	44	46	45	29	53	45	42	49	39	37	33	33	34	53	47	58	68	1516
177	Weighing Scales	250	20	11	16	20	12	11	2	12	19	13	10	15	13	19	14	6	9	21	7	15	10	525
178	Telegraphy	39	3	3	3	2	1	4	5	3	3	0	3	0	2	0	0	0	0	0	1	0	0	72
180	Motor Vehicles	887	55	71	60	58	76	59	66	35	60	70	73	70	79	75	56	81	84	74	69	75	99	2332
181	Acoustics	426	35	33	22	42	30	24	26	32	38	54	53	31	35	42	22	26	11	15	26	39	29	1091
182	Fire Escape, Ladder, or Scaffold	1011	91	110	106	61	100	74	75	80	111	130	102	67	95	78	99	80	87	65	30	19	39	2710
184	Lubrication	129	21	15	16	15	14	23	25	11	14	17	14	20	12	7	7	5	8	4	4	3	6	390
185	Motors: Spring, Weight, or Animal Powered	22	3	0	1	1	1	0	0	3	0	1	2	1	1	1	0	1	0	0	0	1	2	41
186	Merchandising	38	1	2	7	3	1	6	5	5	4	0	3	4	2	2	4	0	1	1	0	0	0	89
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	127	8	17	14	14	21	12	22	16	16	28	17	16	14	11	10	6	15	18	11	10	6	429
188	Brakes	368	41	31	29	26	44	46	58	43	41	55	45	52	79	44	31	40	45	31	24	25	22	1220
190	Trunks and Hand-Carried Luggage	137	11	10	21	13	17	22	23	19	16	17	16	20	20	22	10	7	11	7	8	9	8	444
191	Electricity: Transmission To Vehicles	53	4	4	6	3	8	4	3	7	4	2	4	13	6	5	3	4	3	3	0	2	0	141
192	Clutches and Power-Stop Control	239	19	34	17	11	17	18	30	20	16	27	18	18	15	11	10	14	8	10	7	7	10	576
193	Conveyors, Chutes, Skids, Guides, and Ways	87	3	8	5	7	3	3	3	2	1	8	9	9	13	1	4	4	6	4	3	4	6	193
194	Check-Actuated Control Mechanisms	155	7	14	12	14	9	18	15	7	7	15	5	8	5	9	7	1	4	6	1	4	4	327
196	Mineral Oils: Apparatus	15	1	1	0	1	1	1	1	0	4	1	1	0	1	0	0	0	0	0	0	0	1	29

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
	Conveyors: Power-Driven	712	67	68	73	60	81	49	44	45	57	55	70	63	66	56	50	39	42	36	37	29	45	1844
200	Electricity: Circuit Makers and Breakers	528	38	43	31	30	32	32	32	32	54	38	20	21	39	31	51	41	33	35	30	21	24	1236
201	Distillation: Processes, Thermolytic	39	0	0	5	0	2	2	0	3	2	1	0	0	1	2	0	1	3	0	1	3	5	70
202	Distillation: Apparatus	231	19	8	6	10	11	9	8	15	8	7	9	5	8	6	5	2	3	2	6	5	6	389
203	Distillation: Processes, Separatory	157	25	14	25	24	9	43	7	12	28	20	8	9	11	3	6	8	5	0	4	7	4	429
204	Chemistry: Electrical and Wave Energy	570	53	46	58	37	44	58	33	50	36	38	56	67	45	39	29	19	23	15	21	12	30	1379
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	379	27	26	32	41	41	38	26	19	25	28	30	48	34	17	25	12	12	20	12	12	15	919
206	Special Receptacle or Package	2003	252	244	208	238	239	232	216	235	343	321	312	243	217	192	174	186	131	122	136	135	163	6542
208	Mineral Oils: Processes and Products	167	14	7	10	3	11	6	16	6	7	13	8	7	5	7	4	3	5	5	7	2	7	320
209	Classifying, Separating, and Assorting Solids	557	40	42	36	48	45	35	28	32	36	43	37	36	36	15	27	29	22	11	18	18	25	1216
210	Liquid Purification or Separation	2284	232	249	300	276	224	249	264	255	258	280	273	310	246	207	208	204	187	183	167	168	198	7222
211	Supports: Racks	840	103	134	133	114	126	97	144	134	190	153	156	139	124	120	105	96	95	71	46	46	73	3239
212	Traversing Hoists	135	7	12	8	10	6	4	5	8	17	16	10	9	8	8	5	5	5	7	11	10	4	310
213	Railway Draft Appliances	27	0	3	2	0	2	0	2	0	1	0	3	4	2	1	3	1	4	1	0	1	2	59
215	Bottles and Jars	546	51	50	42	34	33	51	32	35	42	50	41	38	33	23	22	20	19	16	9	15	23	1225
216	Etching a Substrate: Processes	73	5	8	8	9	14	9	4	6	10	7	5	4	11	10	16	9	4	6	6	6	3	233
217	Wooden Receptacles	25	1	0	1	1	2	2	1	0	2	1	2	1	0	0	0	2	0	0	1	0	3	45
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices	23	2	1	1	2	2	0	2	0	0	0	2	3	0	0	2	0	1	0	0	0	0	41
219	Electric Heating	1141	132	114	94	89	82	99	93	82	110	126	180	125	127	113	128	102	114	86	49	46	55	3287
220	Receptacles	1139	201	176	161	174	158	154	156	145	182	219	184	186	154	119	106	68	83	67	63	84	100	4079
221	Article Dispensing	438	38	44	45	39	48	44	44	34	47	46	47	48	57	58	42	32	47	25	25	17	26	1291
222	Dispensing	1597	151	194	179	171	170	175	169	142	168	246	174	179	170	111	135	128	126	81	61	53	99	4679
223	Apparel Apparatus	269	30	40	32	18	17	21	34	45	39	47	61	54	26	20	34	21	22	35	25	8	21	919
224	Package and Article Carriers	1105	158	153	114	142	150	184	178	181	202	195	165	177	149	133	132	76	55	53	35	26	71	3834
225	Severing by Tearing or Breaking	130	10	16	24	10	8	10	12	6	12	12	10	8	4	14	7	11	7	6	3	4	8	332
226	Advancing Material of Indeterminate Length	164	4	1	2	5	5	3	4	3	5	6	2	4	4	2	2	1	2	1	4	0	1	225
227	Elongated-Member-Driving Apparatus	271	18	18	18	15	14	17	17	24	22	22	26	23	32	27	27	29	19	19	11	11	12	692
228	Metal Fusion Bonding	269	35	24	25	27	20	29	22	23	13	23	23	26	24	19	21	20	12	5	7	9	11	687
229	Envelopes, Wrappers, and Paperboard Boxes	342	52	68	50	49	53	44	35	37	62	63	56	53	45	32	12	19	24	21	9	10	20	1156
231	Whips and Whip Apparatus	8	0	2	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	3	1	2	20
232	Deposit and Collection Receptacles	206	29	24	18	12	12	34	16	19	15	19	15	17	11	17	15	18	27	35	27	15	10	611
234	Selective Cutting (e.g., Punching)	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4
235	Registers	418	28	24	26	27	31	50	38	40	41	60	67	43	74	103	96	59	107	100	86	80	92	1690
236	Automatic Temperature and Humidity Regulation	304	12	11	18	19	19	15	8	10	15	13	22	14	13	14	10	7	10	15	8	6	10	573
237	Heating Systems	213	12	12	7	9	6	5	9	6	11	11	10	16	9	14	5	2	4	2	2	2	0	367
238	Railways: Surface Track	118	10	6	12	3	7	8	12	6	15	6	8	9	12	7	7	4	5	4	4	2	7	272
239	Fluid Sprinkling, Spraying, and Diffusing	1257	111	114	103	106	125	96	64	104	151	156	182	130	120	141	128	101	113	66	67	56	92	3583
241	Solid Material Comminution or Disintegration	637	69	63	58	87	68	59	70	59	61	81	62	43	57	58	50	41	53	56	42	62	57	1893
242	Winding, Tensioning, or Guiding	1008	74	54	61	71	67	49	66	72	94	106	86	90	107	90	52	57	54	55	73	46	46	2478
244	Aeronautics and Astronautics	727	55	83	91	76	62	53	58	39	86	86	99	91	99	93	91	71	77	51	39	54	58	2239
245	Wire Fabrics and Structure	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	0	7
246	Railway Switches and Signals	38	1	3	3	5	5	11	4	6	11	2	10	12	8	10	5	2	3	5	6	5	7	162
248	Supports	2019	294	366	359	252	248	244	250	242	369	325	364	326	344	310	233	170	189	183	149	194	271	7701
249	Static Molds	420	21	23	19	17	12	14	16	22	24	14	16	18	17	9	16	8	16	16	6	9	9	742
250	Radiant Energy	838	94	111	88	78	67	87	74	73	90	82	69	69	71	96	93	69	111	86	88	91	105	2630
251	Valves and Valve Actuation	544	39	34	47	49	54	39	32	33	39	43	49	35	44	41	39	48	55	25	25	14	23	1351
252	Compositions	270	18	21	26	10	19	19	30	23	31	33	37	39	20	21	30	15	13	18	12	12	20	737
254	Implements or Apparatus for Applying Pushing or Pulling Force	709	47	44	47	71	42	35	34	57	49	81	74	66	65	76	63	68	75	55	57	39	53	1907
256	Fences	295	20	25	26	21	29	25	26	37	34	30	33	32	21	42	34	35	27	18	29	29	17	885
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	119	23	24	31	21	25	36	29	46	44	41	42	55	68	82	64	62	79	64	71	65	110	1201
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 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
260	Chemistry of Carbon Compounds	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
261	Gas and Liquid Contact Apparatus	450	36	31	31	25	15	23	26	24	23	27	25	44	31	27	24	16	19	25	17	26	13	978
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	1006	102	89	103	111	89	99	90	93	124	105	106	90	104	87	89	46	63	45	26	43	82	2792
266	Metallurgical Apparatus	289	7	14	9	8	10	20	13	13	13	5	14	10	11	10	14	3	7	5	3	12	9	499
267	Spring Devices	178	16	10	12	14	14	13	17	12	16	17	14	16	20	13	11	3	12	7	10	9	6	440
269	Work Holders	623	64	40	52	40	33	29	49	26	48	58	63	44	43	46	40	20	30	23	14	9	14	1408
270	Sheet-Material Associating	73	9	6	2	5	3	3	3	2	4	2	4	2	1	2	2	4	2	1	2	0	5	137
271	Sheet Feeding or Delivering	199	13	19	18	22	10	13	15	7	9	6	8	6	11	7	4	6	4	5	3	7	12	404
273	Amusement Devices: Games	2085	218	220	209	190	245	249	215	223	255	224	198	211	223	195	136	110	131	133	124	126	131	6051
277	Seal for a Joint or Juncture	331	13	18	20	16	18	17	21	24	21	25	18	33	38	21	20	12	12	8	5	2	6	699
278	Land Vehicles: Animal Draft Appliances	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
279	Chucks or Sockets	183	16	19	18	16	16	15	13	10	14	19	13	20	12	15	3	16	7	2	1	4	4	436
280	Land Vehicles	3173	268	324	276	323	363	345	342	251	409	402	468	456	426	386	364	335	333	334	303	280	339	10500
281	Books, Strips, and Leaves	185	25	26	24	29	19	26	24	30	34	44	25	22	17	7	12	9	11	6	3	5	7	590
283	Printed Matter	190	32	37	36	43	43	45	34	30	47	64	48	36	24	21	13	12	10	7	6	2	5	785
285	Pipe Joints or Couplings	722	47	61	59	64	70	65	59	41	70	75	49	52	51	49	43	33	38	31	51	30	43	1803
289	Knots and Knot Tying	61	1	4	2	1	1	1	3	7	2	6	4	9	5	4	5	2	3	2	3	6	2	134
290	Prime-Mover Dynamo Plants	403	7	9	10	7	12	23	8	7	22	13	23	29	26	15	60	47	64	58	79	71	80	1073
291	Track Sanders	8	1	0	1	0	0	0	3	0	0	0	1	0	1	0	1	4	0	0	0	1	1	22
292	Closure Fasteners	709	64	86	77	36	37	45	63	73	43	54	54	28	66	47	30	36	31	50	33	25	26	1713
293	Vehicle Fenders	99	14	17	12	10	6	3	5	12	8	7	9	14	9	12	9	9	11	8	8	7	5	294
294	Handling: Hand and Hoist-Line Implements	1075	79	74	81	101	97	106	117	109	150	130	124	81	119	77	45	47	69	76	58	50	71	2936
295	Railway Wheels and Axles	4	1	2	0	0	0	0	1	1	0	2	0	1	1	2	1	0	0	0	1	0	0	17
296	Land Vehicles: Bodies and Tops	991	148	136	127	101	85	95	116	114	141	152	166	177	126	139	147	121	133	135	111	101	107	3669
297	Chairs and Seats	1107	119	115	118	82	165	120	171	161	183	220	263	159	176	181	179	139	180	134	164	121	153	4410
298	Land Vehicles: Dumping	111	5	8	5	8	7	9	5	5	8	7	10	11	7	12	18	9	9	3	5	3	8	273
299	Mining or In Situ Disintegration of Hard Material	271	18	15	16	16	6	11	8	11	10	12	10	15	8	12	7	4	9	6	23	15	14	517
300	Brush, Broom, and Mop Making	16	2	2	4	5	5	5	1	4	2	2	1	3	1	4	2	0	2	3	3	0	1	68
301	Land Vehicles: Wheels and Axles	176	28	26	31	24	25	17	26	13	27	29	40	45	43	40	34	27	27	24	20	14	19	755
303	Fluid-Pressure and Analogous Brake Systems	82	12	7	10	13	6	15	7	14	6	11	11	10	17	8	5	4	4	0	6	2	8	258
305	Wheel Substitutes for Land Vehicles	53	3	0	1	3	5	6	4	7	8	7	8	8	7	6	1	0	3	1	3	1	7	142
307	Electrical Transmission or Interconnection Systems	387	17	14	19	30	25	22	46	47	51	57	38	21	22	28	32	8	23	24	21	25	49	1006
310	Electrical Generator or Motor Structure	547	33	43	43	48	40	34	42	51	73	79	66	72	70	61	88	59	55	39	44	59	72	1718
312	Supports: Cabinet Structure	692	42	45	71	63	54	68	66	57	87	80	82	51	70	60	56	35	29	25	19	16	25	1793
313	Electric Lamp and Discharge Devices	153	14	21	14	8	10	11	21	18	23	32	23	19	23	28	20	14	25	15	16	10	21	539
314	Electric Lamp and Discharge Devices: Consumable Electrodes	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
315	Electric Lamp and Discharge Devices: Systems	447	66	74	44	50	37	64	45	29	59	47	65	64	58	71	43	54	47	36	23	24	38	1485
318	Electricity: Motive Power Systems	456	54	38	32	34	39	47	38	34	46	35	44	33	33	21	22	18	23	27	20	33	29	1156
320	Electricity: Battery or Capacitor Charging or Discharging	141	6	6	21	30	21	10	24	32	32	34	40	41	38	33	31	19	14	17	9	25	34	658
322	Electricity: Single Generator Systems	82	4	4	3	5	4	1	4	5	5	2	3	6	1	3	2	3	3	3	2	3	4	152
323	Electricity: Power Supply or Regulation Systems	121	9	10	15	10	7	7	11	12	13	9	11	16	19	5	8	11	11	10	7	9	7	338
324	Electricity: Measuring and Testing	861	84	68	96	74	80	98	108	52	97	82	91	97	118	97	95	76	97	78	74	66	62	2651
326	Electronic Digital Logic Circuitry	24	7	3	9	4	10	7	7	6	12	7	4	8	11	8	9	9	8	18	13	19	32	235
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	166	11	8	21	13	16	10	16	11	20	23	23	24	23	17	20	14	21	9	19	13	18	516
329	Demodulators	18	0	3	0	1	2	1	2	1	0	0	1	0	1	0	1	0	0	0	0	2	0	33
330	Amplifiers	163	8	10	12	7	8	8	12	12	10	15	17	19	13	17	16	6	17	13	21	16	17	437
331	Oscillators	68	4	9	3	3	2	2	6	5	8	8	5	6	2	5	5	5	3	7	4	15	9	184
332	Modulators	16	2	3	1	0	1	5	3	0	2	1	1	2	0	1	0	0	1	2	0	0	3	44
333	Wave Transmission Lines and Networks	137	8	10	15	11	11	10	10	4	8	10	12	13	13	21	12	20	16	7	15	10	8	381
334	Tuners	3	1	0	0	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																							

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
335	Electromagnets	175	8	11	11	13	12	10	16	14	9	18	14	17	16	16	13	22	17	12	13	10	15	462
336	Inductor Devices	59	7	1	3	3	6	5	6	8	6	10	9	4	6	15	19	14	18	11	2	9	8	229
337	Electricity: Electrothermally or Thermally Actuated Switches	139	7	7	6	5	4	7	4	14	17	23	17	15	13	20	8	7	12	9	6	7	14	361
338	Electrical Resistors	96	9	12	6	8	6	0	6	3	4	6	8	2	4	4	2	0	2	0	2	0	5	185
340	Communications: Electrical	1893	205	226	179	164	166	222	272	314	372	378	432	381	318	222	308	309	395	311	349	271	320	8007
341	Coded Data Generation or Conversion	156	23	10	14	22	17	24	23	32	33	25	28	34	43	34	24	21	25	27	27	30	36	708
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	240	21	19	21	28	28	27	36	24	40	34	34	39	37	27	26	26	23	24	27	23	24	828
343	Communications: Radio Wave Antennas	308	30	31	9	25	19	27	31	24	29	37	43	52	50	24	26	47	43	47	41	35	37	1015
345	Computer Graphics Processing and Selective Visual Display Systems	189	25	28	27	21	46	47	47	76	86	108	112	122	112	107	82	85	104	99	74	66	117	1780
346	Recorders	76	4	3	0	0	1	2	2	0	1	3	0	1	0	0	0	0	0	1	0	0	0	94
347	Incremental Printing of Symbolic Information	72	8	7	6	1	6	6	4	9	17	10	19	16	22	20	19	23	30	25	33	9	16	378
348	Television	416	60	62	46	38	50	59	57	54	68	63	70	54	49	44	55	34	68	47	58	54	86	1592
349	Liquid Crystal Cells, Elements and Systems	48	7	4	12	6	4	17	19	11	9	7	7	12	9	12	11	12	8	1	5	10	12	243
351	Optics: Eye Examining, Vision Testing and Correcting	501	78	66	66	59	58	81	70	70	83	114	104	88	86	93	94	87	77	100	101	88	111	2275
352	Optics: Motion Pictures	145	8	16	10	6	1	3	6	10	7	14	5	8	4	6	8	3	5	4	4	3	3	279
353	Optics: Image Projectors	167	13	10	10	15	13	16	13	12	13	16	11	11	9	9	22	14	22	7	20	12	9	444
355	Photocopying	356	12	20	18	14	14	13	3	11	8	11	6	11	7	7	6	4	8	5	2	3	1	540
356	Optics: Measuring and Testing	578	55	62	59	48	38	67	61	61	70	76	75	32	60	58	73	55	62	70	62	64	70	1856
358	Facsimile and Static Presentation Processing	95	8	14	17	14	22	19	28	14	15	27	16	13	19	14	17	9	45	29	25	52	59	571
359	Optical: Systems and Elements	1051	135	105	128	105	93	89	96	79	136	138	129	154	159	122	113	120	128	99	106	71	96	3452
360	Dynamic Magnetic Information Storage or Retrieval	323	29	20	22	25	25	23	23	15	27	18	20	18	20	16	15	7	11	9	3	9	16	694
361	Electricity: Electrical Systems and Devices	614	59	45	66	70	46	72	91	87	117	84	98	115	119	108	114	88	78	110	92	94	131	2498
362	Illumination	1338	183	206	219	141	176	207	219	221	271	259	351	343	327	367	303	277	366	317	225	239	291	6846
363	Electric Power Conversion Systems	189	21	19	16	25	16	14	23	22	25	22	28	32	32	19	13	11	15	14	9	18	20	603
365	Static Information Storage and Retrieval	81	10	11	10	20	24	17	26	27	33	24	30	28	19	25	17	22	28	23	25	60	50	610
366	Agitating	651	57	43	33	34	47	55	66	44	57	65	46	65	45	39	28	29	26	27	27	24	29	1537
367	Communications, Electrical: Acoustic Wave Systems and Devices	224	41	23	41	36	23	26	19	16	19	16	17	23	15	11	15	19	15	14	32	13	27	685
368	Horology: Time Measuring Systems or Devices	407	38	47	43	45	51	27	25	39	43	43	30	50	47	36	45	26	45	31	36	25	37	1216
369	Dynamic Information Storage or Retrieval	238	10	14	11	16	16	31	19	21	21	17	22	18	22	27	15	11	14	8	11	20	26	608
370	Multiplex Communications	135	12	10	13	12	10	34	28	28	34	28	35	35	25	22	39	32	71	63	78	128	196	1068
372	Coherent Light Generators	150	36	24	13	14	21	26	18	22	19	14	16	16	14	26	39	23	21	13	15	22	15	577
373	Industrial Electric Heating Furnaces	84	4	3	5	5	3	5	3	0	0	7	12	6	6	3	3	1	1	0	3	1	0	155
374	Thermal Measuring and Testing	240	14	22	13	15	15	8	10	18	29	11	22	14	15	13	14	13	14	13	12	12	15	552
375	Pulse or Digital Communications	119	13	19	19	15	16	24	31	29	33	40	33	21	27	30	31	30	66	63	44	61	83	847
376	Induced Nuclear Reactions: Processes, Systems, and Elements	160	13	9	18	14	10	12	9	4	12	8	2	4	4	5	6	4	1	1	1	2	1	300
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	138	5	5	9	5	3	5	6	1	1	4	6	3	6	2	3	2	4	1	0	0	0	209
378	X-Ray or Gamma Ray Systems or Devices	275	31	42	35	31	28	25	33	22	36	18	32	28	26	26	17	23	30	32	29	40	39	898
379	Telephonic Communications	611	57	75	64	34	51	75	76	80	102	72	62	73	57	72	72	59	68	52	40	51	52	1955
380	Cryptography	69	17	20	11	15	23	12	15	22	22	8	18	15	11	4	8	8	15	11	8	12	33	377
381	Electrical Audio Signal Processing Systems and Devices	533	50	33	47	43	47	40	57	63	115	63	60	43	68	68	68	52	71	56	42	47	71	1737
382	Image Analysis	107	16	22	24	25	18	26	35	39	52	58	66	51	42	59	59	53	98	78	57	81	117	1183
383	Flexible Bags	211	30	40	29	28	37	27	21	21	23	45	51	44	25	15	13	18	15	12	13	10	10	738
384	Bearings	348	31	26	31	21	34	37	25	16	25	23	20	32	25	18	11	13	9	7	8	6	4	770
385	Optical Waveguides	173	43	48	26	30	31	31	39	32	67	62	59	57	79	74	66	70	106	60	54	47	39	1293
386	Motion Video Signal Processing for Recording or Reproducing	81	12	13	7	7	3	4	6	11	7	10	11	10	13	5	10	2	4	7	10	6	7	246
388	Electricity: Motor Control Systems	40	2	4	1	1	7	3	4	1	0	4	1	1	0	0	1	0	3	1	1	0	1	76
392	Electric Resistance Heating Devices	236	21	14	22	20	21	21	13	16	27	32	31	31	23	18	12	23	23	22	13	16	15	670
396	Photography	549	43	44	26	20	29	15	34	27	61	42	24	21	29	39	34	16	15	22	21	33	34	1178
398	Optical Communications	76	7	7	4	5	9	7	9	7	9	9	6	7	10	15	9	12	16	14	12	21	26	297
399	Electrophotography	52	6	6	10	11	10	13	6	12	9	9	7	20	8	10	4	8	17	5	4	8	6	241

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
400	Typewriting Machines	229	22	27	19	31	23	31	22	15	20	19	20	11	14	20	25	16	16	9	4	3	5	601
401	Coating Implements with Material Supply	390	56	78	45	37	59	46	33	23	36	110	98	124	89	77	89	71	71	59	57	37	41	1726
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	128	18	20	19	15	15	11	18	17	23	13	22	10	15	14	9	8	6	5	7	1	8	402
403	Joints and Connections	715	70	60	63	55	46	49	52	57	61	64	44	76	63	58	44	30	29	22	28	14	20	1720
404	Road Structure, Process, or Apparatus	517	72	80	52	72	59	61	51	51	46	57	63	49	66	56	71	41	84	54	46	57	64	1769
405	Hydraulic and Earth Engineering	1178	120	166	150	148	88	91	145	99	135	151	101	107	149	129	118	101	135	84	98	82	96	3671
406	Conveyors: Fluid Current	150	12	19	13	10	4	5	8	6	6	7	8	14	12	11	6	3	10	1	0	3	5	313
407	Cutters, for Shaping	93	5	12	7	9	3	2	2	8	8	9	9	12	3	8	1	6	6	10	9	4	2	228
408	Cutting by Use of Rotating Axially Moving Tool	467	51	57	43	32	45	44	25	35	56	47	22	40	27	31	19	17	32	21	19	19	15	1164
409	Gear Cutting, Milling, or Planing	254	31	20	18	18	14	17	19	27	29	25	31	18	21	20	16	18	16	19	12	12	9	664
410	Freight Accommodation On Freight Carrier	193	23	22	16	16	20	30	23	16	28	35	47	47	37	47	48	34	41	34	30	28	28	843
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	430	60	39	53	54	42	49	52	52	63	59	55	46	42	34	35	27	28	13	15	15	29	1292
412	Bookbinding: Process and Apparatus	27	7	3	4	6	3	4	4	6	7	4	7	10	9	1	1	3	1	0	2	1	3	113
413	Sheet Metal Container Making	14	0	1	2	1	2	0	2	1	2	0	1	1	0	0	2	0	2	4	1	0	0	36
414	Material or Article Handling	1695	128	153	133	125	138	142	142	112	131	144	167	86	113	92	101	62	56	58	49	52	57	3936
415	Rotary Kinetic Fluid Motors or Pumps	327	15	22	32	24	22	22	29	13	13	13	23	30	37	39	31	36	31	36	16	15	33	859
416	Fluid Reaction Surfaces (i.e., Impellers)	371	22	9	22	40	30	36	31	24	17	29	43	36	42	29	35	30	34	29	29	14	26	978
417	Pumps	943	66	75	64	76	58	69	69	68	71	74	113	102	103	100	62	26	37	27	21	23	21	2268
418	Rotary Expandible Chamber Devices	303	24	20	23	18	25	22	20	17	17	12	31	27	24	22	14	10	11	6	9	12	15	682
419	Powder Metallurgy Processes	49	9	6	2	1	7	4	7	7	4	5	4	2	4	4	5	2	2	2	2	4	2	134
420	Alloys or Metallic Compositions	112	7	7	6	4	8	6	1	3	2	4	0	1	7	6	3	3	1	1	1	1	2	186
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	570	60	68	90	77	82	106	75	72	89	93	89	91	92	84	62	56	47	51	60	36	84	2134
423	Chemistry of Inorganic Compounds	487	40	33	28	26	30	28	24	17	27	28	24	41	34	36	24	15	23	24	18	13	37	1057
424	Drug, Bio-Affecting and Body Treating Compositions	991	128	133	152	156	130	147	190	253	307	339	296	369	354	322	207	136	188	156	144	135	209	5442
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	1105	93	84	75	81	83	69	67	57	76	63	65	49	56	47	48	30	47	62	41	37	36	2371
426	Food or Edible Material: Processes, Compositions, and Products	962	115	104	99	94	88	98	111	107	105	154	159	166	121	98	94	47	52	46	21	24	36	2901
427	Coating Processes	629	38	52	62	38	64	74	58	64	80	73	75	77	58	65	50	24	22	24	29	26	43	1725
428	Stock Material or Miscellaneous Articles	1609	187	159	165	173	181	209	207	214	260	270	244	223	166	214	172	109	93	93	53	59	91	5151
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	267	19	18	17	20	22	35	71	30	29	32	27	28	24	40	16	24	21	15	12	24	31	822
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	266	23	23	14	12	16	23	28	13	23	22	27	25	34	27	25	19	22	14	13	10	23	702
431	Combustion	439	37	31	33	30	41	38	42	25	51	59	61	69	38	62	52	46	31	23	14	23	23	1268
432	Heating	295	16	16	12	9	7	3	2	10	11	15	12	9	11	17	5	4	6	4	3	1	5	473
433	Dentistry	1358	118	184	173	143	157	107	145	133	222	203	154	191	134	113	82	98	142	93	68	30	71	4119
434	Education and Demonstration	1005	81	82	100	130	107	86	107	97	147	136	143	89	101	123	94	88	71	68	45	49	51	3000
435	Chemistry: Molecular Biology and Microbiology	617	72	66	71	89	99	114	126	182	225	252	205	246	175	180	139	122	155	122	100	142	167	3666
436	Chemistry: Analytical and Immunological Testing	293	16	23	24	33	31	29	42	39	53	39	41	43	30	38	30	9	18	35	31	32	36	965
438	Semiconductor Device Manufacturing: Process	119	10	16	19	20	16	33	24	20	36	52	56	68	66	83	72	44	51	41	61	52	84	1043
439	Electrical Connectors	931	130	116	141	118	137	120	133	130	175	150	210	194	158	139	177	159	205	167	143	117	131	4081
440	Marine Propulsion	397	49	57	39	53	44	45	48	51	55	50	56	44	40	50	46	45	60	34	40	29	31	1363
441	Buoys, Rafts, and Aquatic Devices	372	61	45	51	41	65	59	51	56	66	50	55	54	59	55	45	55	64	52	40	36	34	1466
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	135	7	5	11	8	13	16	10	9	22	29	20	15	10	8	9	5	5	10	9	8	9	373
445	Electric Lamp or Space Discharge Component or Device Manufacturing	14	2	1	2	2	3	2	1	5	2	9	5	4	3	4	3	3	3	2	1	2	3	76
446	Amusement Devices: Toys	1086	131	126	123	107	122	103	109	79	140	135	181	157	176	172	141	99	68	65	53	39	70	3482
449	Bee Culture	87	0	6	3	0	3	2	1	5	2	1	2	1	3	5	3	1	4	0	3	3	3	138
450	Foundation Garments	103	7	6	8	9	4	11	6	14	20	34	49	37	32	14	18	15	22	20	23	15	20	487
451	Abrading	813	88	84	81	96	69	73	81	88	80	92	101	121	93	81	96	84	100	53	42	45	36	2497
452	Butchering	409	38	28	40	36	40	31	33	21	17	22	32	31	11	19	15	16	28	23	30	24	17	961
453	Coin Handling	48	3	9	4	3	4	5	2	4	0	1	4	1	3	2	8	0	2	0	0	2	2	107

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
454	Ventilation	408	50	38	54	34	42	24	36	34	44	45	41	59	58	47	46	35	31	19	12	15	14	1186
455	Telecommunications	278	15	35	30	25	15	33	54	34	55	59	72	61	68	83	95	82	147	145	98	152	194	1830
460	Crop Threshing or Separating	59	11	8	8	5	4	8	12	1	9	5	8	5	5	2	4	4	4	2	1	2	4	171
462	Books, Strips, and Leaves for Manifoldng	37	3	1	8	10	3	5	3	1	1	0	2	4	0	0	0	0	0	1	1	0	0	80
463	Amusement Devices: Games	209	17	29	24	28	40	25	36	28	65	52	63	63	52	58	43	47	39	44	47	24	54	1087
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	138	10	3	8	8	10	11	10	7	10	4	9	23	10	14	9	7	11	3	3	3	2	313
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus	54	1	1	3	6	3	4	2	2	4	4	2	0	3	3	1	1	2	1	1	1	1	100
472	Amusement Devices	194	33	21	18	29	21	22	24	26	47	31	25	21	23	28	19	22	18	12	12	10	27	683
473	Games Using Tangible Projectile	2100	307	321	327	301	386	423	395	363	471	382	324	316	308	310	290	255	299	263	198	196	267	8802
474	Endless Belt Power Transmission Systems or Components	250	30	27	13	24	33	34	23	25	17	14	28	13	19	10	6	7	11	5	8	6	13	616
475	Planetary Gear Transmission Systems or Components	243	25	36	33	26	20	22	25	19	24	35	35	21	22	25	16	25	15	19	22	16	19	743
476	Friction Gear Transmission Systems or Components	33	0	3	3	2	0	4	7	1	2	2	5	2	2	1	2	3	2	1	2	1	3	81
477	Interrelated Power Delivery Controls, Including Engine Control	73	8	7	2	1	4	6	8	6	5	5	4	1	4	6	3	4	7	2	7	4	8	175
482	Exercise Devices	1526	226	220	227	219	249	221	275	281	324	308	304	274	252	262	263	185	310	230	221	245	340	6962
483	Tool Changing	20	2	4	2	0	3	1	1	3	1	6	6	1	4	2	1	0	4	2	3	5	2	73
492	Roll or Roller	44	4	1	1	5	2	8	3	6	5	5	3	1	1	2	3	0	2	0	0	1	2	99
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	261	16	24	41	19	23	17	16	11	30	21	24	11	16	25	15	13	12	7	15	11	7	635
494	Imperforate Bowl: Centrifugal Separators	76	3	6	2	7	8	3	4	5	8	7	6	7	8	2	3	3	2	3	0	4	1	168
501	Compositions: Ceramic	85	11	9	12	6	13	11	13	7	10	11	5	12	12	14	5	6	4	5	6	5	2	264
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making	127	12	17	17	21	9	10	8	8	12	16	18	11	14	4	4	2	5	8	8	7	13	351
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor	19	4	3	1	2	4	0	4	2	4	4	0	2	1	0	3	1	2	3	3	2	5	69
504	Plant Protecting and Regulating Compositions	57	9	8	18	8	5	5	8	11	10	28	14	16	11	9	5	5	4	4	1	5	2	243
505	Superconductor Technology: Apparatus, Material, Process	3	4	5	10	8	6	9	7	8	3	8	6	5	2	3	4	5	1	1	0	3	0	101
506	Combinatorial Chemistry Technology: Method, Library, Apparatus	0	0	0	0	0	0	0	6	2	3	8	9	3	6	10	4	2	0	0	0	4	4	61
507	Earth Boring, Well Treating, and Oil Field Chemistry	38	3	2	5	3	1	1	1	3	7	5	3	1	5	6	11	8	2	1	1	9	7	123
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions	59	6	6	7	7	5	9	8	8	11	13	10	10	7	8	4	2	6	5	2	4	9	206
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	128	13	15	10	11	12	19	22	23	34	41	23	29	30	30	26	12	21	10	13	16	8	546
512	Perfume Compositions	6	2	0	2	0	3	0	0	1	1	1	3	1	1	1	1	0	0	0	1	0	2	26
514	Drug, Bio-Affecting and Body Treating Compositions	1096	150	172	125	117	114	143	181	205	234	266	238	268	240	200	144	125	116	109	80	100	167	4590
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	24	2	1	4	2	2	2	3	4	2	5	4	5	3	7	2	2	2	1	3	4	4	88
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof	6	0	0	1	0	2	2	1	0	1	0	1	4	1	0	2	1	2	3	1	0	0	28
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	195	8	14	20	17	8	16	8	13	17	18	9	15	11	16	5	8	1	3	2	3	1	408
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	16	1	1	3	2	1	6	5	1	2	5	4	2	1	6	3	3	3	1	0	0	2	68
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	158	16	12	11	13	11	16	13	11	20	15	13	14	12	12	6	4	6	7	3	4	13	390
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	257	16	24	33	22	28	26	32	24	40	29	25	22	27	30	18	17	23	13	12	15	20	753
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	164	24	20	19	19	12	13	10	12	15	11	10	14	13	11	9	5	7	13	5	3	6	415
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	83	5	9	5	10	9	1	7	4	9	9	8	14	8	23	8	6	6	2	3	4	4	237
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	21	2	1	1	2	1	3	0	1	1	0	2	0	0	1	1	0	1	0	0	0	0	38
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	147	11	15	14	23	13	11	6	11	15	12	9	14	15	7	7	12	9	13	9	6	6	385
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	168	6	13	20	14	18	13	13	36	46	38	18	40	30	34	31	12	17	25	29	21	32	674
534	Organic Compounds -- Part of the Class 532-570 Series	21	4	3	1	1	1	1	1	2	2	1	0	0	1	1	0	0	0	1	1	0	2	44
536	Organic Compounds -- Part of the Class 532-570 Series	86	12	7	11	11	5	15	24	18	34	31	19	31	20	25	17	14	22	21	13	17	20	473
540	Organic Compounds -- Part of the Class 532-570 Series	47	3	4	2	3	1	3	1	8	2	5	0	3	3	2	3	0	3	2	1	1	1	98

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
544	Organic Compounds -- Part of the Class 532-570 Series	61	4	3	3	6	6	4	3	2	2	4	3	1	3	3	5	5	5	1	0	0	5	129
546	Organic Compounds -- Part of the Class 532-570 Series	51	4	1	2	7	7	3	8	8	6	6	6	5	3	10	4	6	11	3	11	8	11	181
548	Organic Compounds -- Part of the Class 532-570 Series	56	6	5	7	4	4	5	6	2	4	7	2	2	3	3	2	3	4	4	2	3	6	140
549	Organic Compounds -- Part of the Class 532-570 Series	64	3	6	2	9	3	1	1	7	6	7	5	10	9	4	2	5	6	7	2	2	1	162
552	Organic Compounds -- Part of the Class 532-570 Series	24	0	5	1	0	0	1	0	0	1	2	0	1	1	1	2	0	0	1	0	0	0	40
554	Organic Compounds -- Part of the Class 532-570 Series	38	4	3	3	2	7	4	3	3	4	3	4	6	9	8	4	3	4	5	2	3	0	122
556	Organic Compounds -- Part of the Class 532-570 Series	43	3	6	4	5	2	6	6	6	3	8	3	4	2	9	2	3	1	5	5	1	2	129
558	Organic Compounds -- Part of the Class 532-570 Series	41	5	2	2	3	1	2	5	1	4	4	3	1	2	0	1	0	4	2	0	1	1	85
560	Organic Compounds -- Part of the Class 532-570 Series	55	8	7	4	3	5	6	5	6	4	4	1	7	7	4	3	0	1	3	3	2	3	141
562	Organic Compounds -- Part of the Class 532-570 Series	54	4	4	3	9	5	3	4	8	5	4	5	6	6	8	2	2	4	5	2	0	5	148
564	Organic Compounds -- Part of the Class 532-570 Series	45	4	4	6	2	2	10	3	4	3	2	5	10	7	3	2	2	6	4	1	0	3	128
568	Organic Compounds -- Part of the Class 532-570 Series	80	1	11	9	5	5	4	6	3	10	13	6	6	4	7	6	2	3	4	3	2	11	201
570	Organic Compounds -- Part of the Class 532-570 Series	17	1	0	5	0	0	0	1	4	2	3	1	5	0	0	0	0	0	2	0	0	1	42
585	Chemistry of Hydrocarbon Compounds	70	8	9	6	7	1	6	10	8	17	12	8	11	4	8	4	6	5	1	6	4	4	215
588	Hazardous or Toxic Waste Destruction or Containment	98	7	2	6	10	15	17	16	22	18	16	11	5	6	3	2	3	2	2	4	4	3	272
600	Surgery	1603	201	219	196	230	247	269	216	201	374	301	327	267	328	264	178	147	180	128	132	123	171	6302
601	Surgery: Kinesitherapy	459	48	62	67	41	36	60	51	40	73	43	49	69	50	49	45	41	68	66	47	23	33	1520
602	Surgery: Splint, Brace, or Bandage	624	72	80	62	56	62	76	58	71	121	102	109	80	70	95	63	63	69	32	36	45	76	2122
604	Surgery	1905	290	295	327	351	400	335	297	286	360	271	260	242	245	302	196	139	135	101	106	97	192	7132
606	Surgery	1310	159	213	230	252	289	275	310	393	438	433	394	328	277	320	188	149	146	145	82	103	166	6600
607	Surgery: Light, Thermal, and Electrical Application	421	55	59	54	47	47	58	60	43	74	74	84	84	75	75	59	48	45	57	33	28	42	1622
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	698	93	73	105	82	89	78	125	96	116	118	136	157	148	147	136	98	105	71	55	63	91	2880
700	Data Processing: Generic Control Systems or Specific Applications	196	22	31	31	26	36	29	51	35	52	45	45	55	60	84	74	63	77	58	65	50	64	1249
701	Data Processing: Vehicles, Navigation, and Relative Location	90	11	11	15	15	18	28	21	20	31	31	37	66	67	54	47	64	48	46	46	44	66	876
702	Data Processing: Measuring, Calibrating, or Testing	165	24	25	18	24	29	15	37	37	42	45	39	43	67	83	89	66	77	76	77	55	73	1206
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	14	2	4	5	4	4	4	6	15	15	14	9	12	19	11	9	20	38	25	27	22	30	309
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	63	11	14	13	9	14	12	12	15	35	35	18	37	28	19	23	12	31	26	30	23	43	523
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination	85	19	17	23	33	34	14	31	47	82	144	118	69	75	80	60	113	189	148	197	243	431	2252
706	Data Processing: Artificial Intelligence	8	6	8	5	7	7	14	15	11	36	16	21	19	22	28	21	11	22	16	17	34	70	414
707	Data Processing: Database and File Management or Data Structures	15	2	3	2	8	13	16	14	21	50	57	42	46	56	77	83	56	71	79	73	78	161	1023
708	Electrical Computers: Arithmetic Processing and Calculating	159	13	11	13	22	16	10	18	14	17	17	13	9	14	10	12	10	13	9	9	14	12	435
709	Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring	8	3	0	2	5	1	7	14	9	41	34	46	46	52	44	64	54	74	77	56	108	184	929
710	Electrical Computers and Digital Data Processing Systems: Input/Output	40	7	8	4	7	6	8	12	15	21	18	23	16	12	23	16	15	21	17	11	27	25	352
711	Electrical Computers and Digital Processing Systems: Memory	42	5	7	5	7	7	10	13	15	16	11	12	11	10	15	14	13	26	18	28	31	36	352
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)	35	9	1	5	7	3	7	11	12	19	9	4	9	6	5	2	4	10	7	7	11	18	201
713	Electrical Computers and Digital Processing Systems: Support	28	7	11	8	9	11	10	14	18	23	14	21	24	18	16	16	23	45	34	33	46	85	514
714	Error Detection/Correction and Fault Detection/Recovery	70	5	11	9	4	14	15	14	16	20	13	10	19	11	23	24	19	20	38	26	60	58	499
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing	37	10	6	12	14	13	14	14	25	35	38	24	40	23	29	30	32	64	49	35	37	87	668
716	Computer-Aided Design and Analysis of Circuits and Semiconductor Masks	3	0	0	1	0	2	2	3	4	6	4	2	13	16	22	18	10	23	28	26	30	45	258
717	Data Processing: Software Development, Installation, and Management	7	1	1	2	0	4	6	7	5	7	16	12	14	11	7	10	10	9	12	14	16	36	207
718	Electrical Computers and Digital Processing Systems: Virtual Machine Task or Process Management or Task Management/Control	1	1	1	0	1	2	5	1	2	6	3	5	2	0	0	1	3	2	2	5	6	3	52
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)	1	0	0	0	1	0	2	1	1	4	0	2	2	4	6	3	2	6	0	4	6	14	59

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
720	Dynamic Optical Information Storage or Retrieval	7	1	2	1	0	0	3	3	1	5	4	5	2	6	7	7	8	6	1	7	7	4	87
725	Interactive Video Distribution Systems	48	7	10	7	3	10	7	18	9	16	24	12	19	12	11	11	6	12	8	7	15	32	304
726	Information Security	12	4	0	3	0	5	2	3	4	11	15	16	15	11	11	13	17	31	20	15	33	42	283
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	11	1	2	0	2	3	5	2	8	27	24	13	14	18	14	16	15	16	15	20	12	18	256
850	Scanning-Probe Techniques or Apparatus; Applications of Scanning-Probe Techniques, e.g., Scanning Probe Microscopy [Spm]	7	1	0	2	1	2	1	6	3	3	2	1	1	0	4	3	1	0	0	0	0	2	40
SUBTOTAL	UTILITY CLASSES	176454	17421	18205	17349	16615	17375	17508	18322	17701	22577	22867	22479	21786	20561	19674	17603	14760	16683	14089	12692	12611	16764	552096
D00	** Design Classification Undetermined **	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
D01	Edible Products	54	17	17	8	12	12	8	17	19	20	24	25	28	14	7	26	12	13	13	22	20	19	407
D02	Apparel and Haberdashery	784	92	107	70	149	156	165	175	167	275	232	184	144	193	168	150	120	159	208	271	297	354	4620
D03	Travel Goods and Personal Belongings	946	154	177	162	216	212	197	204	199	263	279	249	224	211	212	184	166	262	229	242	235	279	5502
D04	Brushware	216	32	34	35	57	39	62	62	43	62	46	76	72	88	52	31	26	52	30	60	27	49	1251
D05	Textile or Paper Yard Goods; Sheet Material	45	4	2	5	4	2	6	2	9	9	6	14	18	5	16	9	5	12	11	16	10	11	221
D06	Furnishings	3306	313	390	405	561	449	600	541	485	624	586	653	595	628	528	414	311	429	599	482	490	469	13858
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified	1449	157	155	170	251	238	229	312	201	279	242	318	295	225	288	262	189	347	321	350	321	373	6972
D08	Tools and Hardware	1836	256	301	296	384	352	399	356	305	453	394	481	363	310	420	375	249	399	448	485	414	386	9662
D09	Packages and Containers for Goods	728	97	137	96	128	129	131	141	142	135	131	165	169	137	168	113	104	141	168	190	197	201	3748
D10	Measuring, Testing, or Signalling Instruments	1032	110	187	147	241	245	240	172	160	242	237	203	180	178	145	157	131	154	185	213	158	135	4852
D11	Jewelry, Symbolic Insignia, and Ornaments	1177	88	132	111	145	163	171	153	161	185	176	202	213	211	166	164	153	199	215	252	199	208	4844
D12	Transportation	1323	220	210	241	253	251	233	298	244	337	253	333	247	221	253	285	237	277	317	331	314	291	6969
D13	Equipment for Production, Distribution, or Transformation of Energy	252	27	47	41	52	55	64	47	60	68	95	100	92	99	100	55	37	82	85	119	108	66	1751
D14	Recording, Communication, or Information Retrieval Equipment	655	86	106	86	137	114	144	149	147	175	164	217	167	167	174	158	89	150	168	164	165	172	3754
D15	Machines Not Elsewhere Specified	596	64	46	103	100	62	116	77	65	87	55	67	59	57	77	79	58	103	131	89	94	103	2288
D16	Photography and Optical Equipment	248	55	34	49	43	53	42	74	58	75	70	94	48	58	86	47	45	46	87	71	79	67	1529
D17	Musical Instruments	245	33	29	27	28	27	24	19	19	33	35	22	35	20	32	21	18	38	22	47	26	36	836
D18	Printing and Office Machinery	179	16	24	15	20	13	11	18	12	17	17	25	16	24	20	12	11	43	27	27	39	10	596
D19	Office Supplies; Artists' and Teachers' Materials	631	62	112	92	117	119	136	95	109	142	120	132	123	90	103	109	87	83	98	144	90	63	2857
D20	Sales and Advertising Equipment	252	43	47	34	57	55	56	40	75	85	62	64	54	22	70	55	35	41	47	34	45	55	1328
D21	Games, Toys, and Sports Goods	2669	300	424	392	385	435	426	378	384	555	405	455	434	341	299	273	260	354	314	358	273	291	10405
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment	643	54	49	66	89	96	103	113	81	86	111	92	86	100	93	72	71	108	115	88	109	122	2547
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment	1129	113	205	158	144	201	204	154	155	212	211	256	196	197	204	192	193	251	230	278	179	233	5295
D24	Medical and Laboratory Equipment	1037	103	130	159	184	187	187	186	178	213	192	200	233	190	163	108	84	145	213	214	204	312	4822
D25	Building Units and Construction Elements	727	44	50	52	78	104	83	93	108	115	128	137	115	139	126	124	107	80	129	122	116	158	2935
D26	Lighting	575	62	99	88	84	128	136	174	146	209	162	253	311	260	249	199	135	228	283	288	233	203	4505
D27	Tobacco and Smokers' Supplies	196	9	13	4	7	14	18	19	17	44	49	34	35	34	36	35	35	57	57	40	22	31	806
D28	Cosmetic Products and Toilet Articles	506	126	53	35	65	86	75	74	91	89	84	158	133	93	102	98	61	77	63	71	80	90	2310
D29	Equipment for Safety, Protection, and Rescue	183	38	23	33	46	48	62	59	46	41	47	55	31	52	40	40	23	40	75	65	56	42	1145
D30	Animal Husbandry	475	41	68	62	88	83	77	82	92	69	73	119	60	59	62	61	68	86	77	106	86	120	2114
D32	Washing, Cleaning, or Drying Machine	325	61	55	39	54	82	89	70	85	86	67	64	49	56	68	40	30	50	88	85	64	70	1677
D34	Material or Article Handling Equipment	397	54	82	110	114	94	98	65	57	101	70	78	68	67	83	58	34	119	120	66	82	64	2081
D99	Miscellaneous	151	16	17	24	34	28	42	29	37	39	33	38	53	30	62	44	27	36	29	19	14	45	847
SUBTOTAL	DESIGN CLASSES	24967	2947	3562	3415	4327	4332	4634	4448	4157	5425	4856	5563	4946	4576	4672	4050	3211	4661	5203	5409	4846	5128	119335
PLT	Plants	1016	98	119	75	101	97	78	83	91	124	101	91	125	261	232	156	105	199	163	268	270	231	4084
SUBTOTAL	PLANT CLASSES	1016	98	119	75	101	97	78	83	91	124	101	91	125	261	232	156	105	199	163	268	270	231	4084
TOTAL	ALL CLASSES	202437	20466	21886	20839	21043	21804	22220	22853	21949	28126	27824	28133	26857	25398	24578	21809	18076	21543	19455	18369	17727	22123	675515

Patent Counts By Class By Year - Independent Inventors

PART A1

Granted: 01/01/1977 - 12/31/2010

A Patent Technology Monitoring Team Report

Part A1-2.

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 - 12/31/2010

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
001	** Classification Undetermined **	7	0	0	0	0	1	0	0	0	0	0	1	0	1	0	2	2	3	3	1	1	5	27
002	Apparel	2140	263	356	308	254	268	272	363	400	472	549	472	456	390	278	299	246	274	193	165	132	249	8799
004	Baths, Closets, Sinks, and Spittoons	2034	229	259	218	247	271	217	204	225	271	347	277	273	299	253	222	168	176	159	135	86	159	6729
005	Beds	2081	288	288	288	244	244	243	281	262	294	292	298	253	222	234	244	230	209	143	168	168	199	7173
007	Compound Tools	358	46	51	39	62	56	38	51	41	53	51	63	67	45	38	48	37	47	47	18	20	28	1304
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	318	23	16	18	26	26	24	28	21	28	35	31	27	18	25	13	13	12	15	11	10	17	755
012	Boot and Shoe Making	144	10	7	4	8	8	6	4	6	9	18	8	10	4	9	8	8	7	6	6	3	5	298
014	Bridges	188	15	26	18	13	16	26	27	19	15	24	21	11	24	22	28	21	22	22	16	14	16	604
015	Brushing, Scrubbing, and General Cleaning	2853	272	319	255	252	298	290	317	267	362	404	414	328	289	283	217	167	158	178	175	158	203	8459
016	Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, Etc.)	1143	94	113	91	97	126	113	159	136	181	151	141	142	179	148	131	104	100	86	61	77	106	3679
019	Textiles: Fiber Preparation	163	19	15	9	8	17	17	8	12	9	16	13	16	18	5	2	0	4	5	4	4	4	368
023	Chemistry: Physical Processes	60	3	2	5	0	6	3	1	1	4	1	4	2	3	2	1	0	1	2	0	2	2	105
024	Buckles, Buttons, Clasps, Etc.	2180	257	245	219	185	202	201	224	240	244	240	240	242	217	240	163	121	150	125	114	108	143	6300
026	Textiles: Cloth Finishing	81	5	7	2	4	3	5	7	7	4	6	5	4	4	0	1	0	2	3	1	2	4	157
027	Undertaking	84	12	11	7	8	11	11	5	16	16	13	9	15	11	18	7	3	9	18	17	13	17	331
028	Textiles: Manufacturing	169	15	7	14	13	10	14	13	13	11	15	15	8	7	5	13	6	6	6	3	4	4	371
029	Metal Working	3387	297	308	254	284	247	240	224	252	232	224	257	260	258	238	223	192	221	178	124	126	161	8187
030	Cutlery	2060	217	253	190	180	192	184	209	167	218	232	220	197	201	190	177	130	136	116	70	81	101	5721
033	Geometrical Instruments	2483	253	255	238	185	184	230	192	151	206	170	205	205	189	206	216	208	165	171	144	161	170	6587
034	Drying and Gas or Vapor Contact with Solids	979	67	70	76	89	79	77	69	71	79	103	107	71	67	51	52	49	46	34	43	19	27	2325
036	Boots, Shoes, and Leggings	1033	111	81	77	90	92	100	96	113	173	149	128	117	105	107	107	83	83	77	73	65	112	3172
037	Excavating	725	63	64	67	64	41	50	62	53	64	80	78	63	75	53	51	47	47	28	24	48	66	1913
038	Textiles: Ironing or Smoothing	190	16	23	15	14	17	12	19	15	14	23	20	19	12	9	19	11	8	21	9	11	14	511
040	Card, Picture, or Sign Exhibiting	2270	225	264	221	231	259	246	232	232	259	295	312	305	289	289	251	191	189	180	165	152	159	7216
042	Firearms	890	105	128	74	79	102	108	90	100	108	99	69	103	126	140	114	84	77	85	81	79	112	2953
043	Fishing, Trapping, and Vermin Destroying	2428	265	235	257	242	262	188	251	164	167	307	251	187	218	240	202	156	152	119	123	133	162	6709
044	Fuel and Related Compositions	310	17	15	17	18	19	16	16	11	13	19	29	23	19	19	18	14	12	9	13	20	19	666
047	Plant Husbandry	1268	123	141	122	124	143	143	135	103	150	137	168	139	136	126	73	86	87	56	50	64	116	3690
048	Gas: Heating and Illuminating	335	10	9	11	4	10	14	6	5	8	11	12	8	3	8	10	9	10	9	4	12	13	521
049	Movable or Removable Closures	1220	99	97	96	70	92	108	127	104	104	120	127	111	99	85	94	69	87	56	37	50	65	3117
051	Abrasive Tool Making Process, Material, or Composition	134	13	14	22	18	15	14	10	22	7	7	11	6	9	7	8	5	3	6	6	5	5	347
052	Static Structures (e.g., Buildings)	5734	541	489	426	451	494	479	579	587	701	643	630	686	607	564	505	419	376	285	270	337	506	16309
053	Package Making	1096	87	105	78	79	70	91	93	83	98	94	81	77	66	68	77	70	47	39	57	57	52	2665
054	Harness for Working Animal	181	14	23	28	19	22	20	15	11	26	14	30	25	33	38	25	13	26	23	26	17	10	639
055	Gas Separation	945	94	88	105	91	49	71	72	55	90	93	80	85	71	67	76	49	50	46	41	46	51	2415
056	Harvesters	1109	122	117	105	95	94	118	96	54	84	100	95	70	77	64	60	68	53	27	38	36	53	2735

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
057	Textiles: Spinning, Twisting, and Twining	408	32	17	34	41	39	16	13	25	36	25	14	22	12	7	11	3	6	4	5	6	3	779
059	Chain, Staple, and Horseshoe Making	145	12	8	5	6	13	13	8	14	5	11	8	8	8	14	10	15	11	9	8	7	4	342
060	Power Plants	2160	101	108	114	121	101	95	89	93	130	118	116	132	123	108	120	113	151	95	75	79	107	4449
062	Refrigeration	1879	196	165	163	189	188	165	174	154	202	196	212	241	240	208	164	119	128	139	97	79	125	5423
063	Jewelry	306	31	37	48	39	25	49	39	47	39	38	41	33	42	47	34	28	35	31	35	18	24	1066
065	Glass Manufacturing	296	19	12	19	20	17	15	8	11	15	25	13	17	26	19	16	15	10	9	8	7	3	600
066	Textiles: Knitting	240	6	27	15	16	10	14	16	16	21	17	25	23	16	8	12	14	13	7	4	11	13	544
068	Textiles: Fluid Treating Apparatus	301	20	13	22	20	20	29	25	14	26	24	25	21	27	22	10	7	5	5	14	8	9	667
069	Leather Manufactures	58	2	6	1	0	1	1	2	1	2	0	1	2	2	2	2	1	0	1	1	1	2	89
070	Locks	1600	168	177	149	155	153	167	161	165	220	224	170	128	178	163	141	125	105	97	94	88	71	4699
071	Chemistry: Fertilizers	240	13	10	25	14	17	20	18	25	23	24	17	25	32	24	16	9	7	6	9	8	18	600
072	Metal Deforming	1397	103	97	69	78	73	63	80	91	107	101	96	79	60	64	62	53	94	78	48	46	40	2979
073	Measuring and Testing	3827	317	364	285	285	292	305	337	270	335	310	275	287	304	315	271	239	253	234	259	191	188	9743
074	Machine Element or Mechanism	2544	203	224	226	196	197	185	210	183	200	226	196	171	151	137	112	95	108	110	67	79	75	5895
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	425	25	24	25	22	32	32	20	20	29	23	19	37	34	23	17	8	12	11	9	12	17	876
076	Metal Tools and Implements, Making	309	24	22	28	21	14	22	17	27	15	16	26	13	12	10	7	7	9	6	5	10	1	621
079	Button Making	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	3
081	Tools	1729	188	204	160	183	179	143	186	149	190	256	300	317	252	191	213	230	272	223	153	89	118	5925
082	Turning	379	21	29	30	19	22	10	22	30	35	26	19	28	21	38	21	18	16	11	7	4	15	821
083	Cutting	1903	167	176	172	141	123	102	115	102	136	147	138	119	83	120	134	84	103	84	53	57	71	4330
084	Music	1566	128	136	112	111	128	146	162	118	167	189	196	184	148	150	132	106	146	161	168	194	230	4778
086	Ammunition and Explosive-Charge Making	120	3	13	7	13	7	6	2	4	8	3	6	4	8	7	3	6	8	4	2	14	12	260
087	Textiles: Braiding, Netting, and Lace Making	52	3	4	3	7	5	0	5	7	5	9	3	3	6	5	5	1	3	5	2	1	2	136
089	Ordnance	395	70	35	44	49	43	49	34	47	46	48	37	54	53	59	57	55	45	50	55	47	69	1441
091	Motors: Expansible Chamber Type	771	37	39	42	42	40	19	21	26	25	18	20	20	15	19	17	9	14	16	10	9	6	1235
092	Expansible Chamber Devices	772	65	70	46	49	59	46	38	25	40	36	38	40	38	32	18	19	15	25	17	17	15	1520
095	Gas Separation: Processes	386	38	43	48	46	30	41	51	46	37	47	32	51	50	41	29	40	27	19	31	21	41	1195
096	Gas Separation: Apparatus	750	82	60	75	65	41	41	56	54	56	74	57	75	74	49	61	52	49	47	43	37	59	1957
099	Foods and Beverages: Apparatus	1550	148	141	130	144	147	179	173	182	215	212	223	231	156	136	132	98	116	72	73	51	94	4603
100	Presses	871	60	68	91	78	75	67	57	75	72	51	43	37	28	34	30	23	39	30	39	33	15	1916
101	Printing	827	68	74	69	67	78	84	53	55	83	64	69	71	54	57	66	38	55	27	20	25	23	2027
102	Ammunition and Explosives	396	41	43	50	44	37	43	24	30	31	37	18	46	41	43	39	36	37	36	31	34	29	1166
104	Railways	538	36	39	36	33	32	47	36	41	39	34	26	34	42	43	35	29	21	12	22	33	26	1234
105	Railway Rolling Stock	422	30	21	26	28	21	24	26	22	26	13	20	27	18	19	13	18	15	12	10	11	14	836
106	Compositions: Coating or Plastic	877	44	79	64	82	95	76	66	73	83	78	69	69	63	79	67	38	38	41	28	27	47	2183
108	Horizontally Supported Planar Surfaces	1250	116	122	134	89	128	125	145	143	161	146	189	145	124	122	128	85	91	58	69	74	72	3716
109	Safes, Bank Protection, or a Related Device	252	20	19	9	16	15	14	11	17	22	21	18	6	22	12	6	9	10	10	12	8	14	543
110	Furnaces	702	61	59	53	62	76	44	41	34	44	37	37	36	31	21	20	21	25	8	19	15	18	1464
111	Planting	366	34	25	26	18	27	32	36	27	22	29	33	42	25	30	21	20	26	9	19	26	26	919
112	Sewing	427	22	39	35	26	22	27	31	29	46	43	35	40	31	18	24	22	24	14	15	12	12	994
114	Ships	2223	260	246	199	199	199	182	198	191	212	221	233	193	179	191	150	209	207	166	137	131	122	6248
116	Signals and Indicators	1097	119	142	86	98	118	95	110	93	85	118	117	97	94	85	84	64	79	61	65	56	65	3028
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	107	9	7	7	5	8	13	7	6	16	9	12	9	5	7	6	3	6	11	17	8	6	284
118	Coating Apparatus	938	68	98	69	76	84	79	67	77	94	92	71	73	63	61	59	35	43	26	27	29	36	2265
119	Animal Husbandry	1772	205	248	263	212	222	202	237	227	342	290	276	257	312	303	232	211	236	200	140	133	184	6704
122	Liquid Heaters and Vaporizers	609	35	29	22	22	38	22	27	21	28	31	27	29	16	34	21	18	17	12	13	18	19	1108
123	Internal-Combustion Engines	2821	198	224	199	181	178	165	178	160	194	183	162	231	176	182	170	156	180	160	148	123	143	6512
124	Mechanical Guns and Projectors	705	64	72	76	79	82	91	87	105	82	72	73	76	75	98	101	69	72	66	56	61	100	2362
125	Stone Working	213	20	16	18	15	13	14	13	20	15	16	26	21	15	22	27	25	29	16	14	8	10	586

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
126	Stoves and Furnaces	3857	167	149	125	157	145	137	150	124	152	176	183	151	94	126	117	103	71	41	32	53	79	6389
127	Sugar, Starch, and Carbohydrates	66	4	4	12	5	7	8	5	4	7	10	6	5	6	2	3	2	2	3	1	0	5	167
128	Surgery	2080	291	356	317	298	369	368	374	345	437	369	372	327	296	312	266	225	235	156	129	122	176	8220
131	Tobacco	475	27	28	29	10	20	22	27	29	51	43	42	18	22	24	29	10	12	10	6	12	13	959
132	Toilet	841	109	133	97	97	115	102	129	127	200	247	181	133	108	103	78	38	70	84	57	48	49	3146
134	Cleaning and Liquid Contact with Solids	1080	104	140	120	109	110	137	125	104	140	182	158	132	133	104	80	68	58	58	53	58	61	3314
135	Tent, Canopy, Umbrella, or Cane	743	98	102	89	109	139	101	128	133	137	121	132	161	119	119	126	105	81	105	100	89	100	3137
136	Batteries: Thermoelectric and Photoelectric	424	21	24	23	19	22	24	26	24	26	18	27	22	23	17	24	16	14	10	2	20	24	850
137	Fluid Handling	3819	325	329	344	311	335	264	259	266	309	365	372	359	236	238	208	206	213	174	139	119	176	9366
138	Pipes and Tubular Conduits	1110	79	92	84	74	75	76	74	58	81	112	101	86	82	64	62	50	48	34	35	51	47	2575
139	Textiles: Weaving	228	9	21	16	12	15	23	15	11	15	12	12	12	9	1	15	8	10	2	3	3	8	460
140	Wireworking	211	15	10	8	8	13	12	12	10	15	17	12	13	5	9	6	11	14	8	4	6	3	422
141	Fluent Material Handling, with Receiver or Receiver Coacting Means	1067	92	109	104	102	115	120	124	98	108	140	129	129	116	94	115	91	71	69	48	53	77	3171
142	Wood Turning	34	5	7	5	2	3	4	3	5	3	6	4	2	0	5	0	0	2	1	0	1	0	92
144	Woodworking	1119	90	98	97	74	82	72	68	82	82	96	89	81	83	84	60	44	66	49	37	41	50	2644
147	Coopering	5	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	1	0	0	0	0	0	10
148	Metal Treatment	305	31	27	36	32	39	29	16	23	26	26	30	39	36	44	36	13	11	8	13	14	12	846
149	Explosive and Thermic Compositions or Charges	91	4	5	2	4	5	3	8	5	7	2	2	3	1	4	3	5	2	0	0	2	3	161
150	Purses, Wallets, and Protective Covers	269	62	62	40	45	43	46	57	52	63	66	76	74	57	45	39	30	34	28	31	28	29	1276
152	Resilient Tires and Wheels	389	28	28	23	29	34	19	24	20	27	29	28	27	25	36	22	25	30	21	14	16	22	916
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	2539	205	183	207	189	205	225	184	176	238	232	205	230	188	190	162	98	103	95	70	69	115	6108
157	Wheelwright Machines	101	8	7	8	6	4	5	6	3	4	5	7	8	3	3	2	8	5	5	6	4	3	211
159	Concentrating Evaporators	185	17	8	10	14	11	14	7	11	15	9	5	7	13	6	11	9	7	3	8	9	10	389
160	Flexible or Portable Closure, Partition, or Panel	1023	129	149	128	111	105	129	138	126	149	148	174	144	131	125	113	90	90	81	65	61	85	3494
162	Paper Making and Fiber Liberation	279	26	22	20	27	26	21	24	28	29	20	21	27	14	17	10	10	11	13	11	17	9	682
163	Needle and Pin Making	4	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	8
164	Metal Founding	565	43	27	22	32	34	25	34	23	28	16	11	31	41	30	14	17	20	8	12	6	10	1049
165	Heat Exchange	2109	111	91	115	99	118	103	107	67	125	115	103	143	107	94	127	82	95	70	58	42	61	4142
166	Wells	1076	88	100	116	89	107	91	89	76	111	90	118	153	102	106	92	73	102	102	99	79	130	3189
168	Farriery	68	10	16	14	11	5	2	6	8	7	5	12	9	11	10	7	9	3	7	6	12	7	245
169	Fire Extinguishers	292	26	36	38	26	24	19	38	41	41	58	54	39	42	31	25	27	28	24	15	20	27	971
171	Unearthing Plants or Buried Objects	104	10	7	9	10	13	4	3	2	5	5	6	3	5	1	2	3	6	0	1	2	5	206
172	Earth Working	1213	110	75	68	64	67	95	82	67	97	84	87	75	68	62	46	49	49	17	18	32	43	2568
173	Tool Driving or Impacting	512	37	43	38	24	31	30	34	23	41	36	46	30	24	39	39	30	27	27	22	14	21	1168
174	Electricity: Conductors and Insulators	992	87	96	94	90	90	76	90	87	147	133	108	155	160	125	141	144	129	96	99	110	105	3354
175	Boring or Penetrating the Earth	988	81	83	84	61	61	73	68	48	74	67	69	72	67	76	57	52	65	78	71	70	94	2459
177	Weighing Scales	369	28	22	24	25	16	16	11	19	30	19	18	19	22	26	21	11	14	25	15	19	12	781
178	Telegraphy	95	3	8	4	6	4	4	11	5	9	6	8	4	6	7	0	4	2	4	3	4	3	200
180	Motor Vehicles	1693	112	141	127	114	146	141	150	118	142	164	146	138	168	149	123	145	145	129	127	112	156	4586
181	Acoustics	747	74	54	58	69	52	44	47	51	66	79	79	53	63	63	46	48	30	27	41	50	40	1881
182	Fire Escape, Ladder, or Scaffold	1438	137	155	150	99	134	101	112	111	154	166	152	100	124	113	142	105	117	96	50	41	62	3859
184	Lubrication	321	48	39	37	37	39	53	55	28	35	41	40	46	30	25	22	19	17	14	11	6	12	975
185	Motors: Spring, Weight, or Animal Powered	75	5	2	4	2	1	1	4	5	2	4	6	5	5	4	2	5	1	1	1	2	3	140
186	Merchandising	59	2	6	9	4	3	11	7	6	5	8	4	5	6	3	6	0	4	2	0	1	2	153
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	243	19	27	27	28	37	25	30	27	24	36	25	21	26	25	13	12	21	25	16	14	17	738
188	Brakes	1055	91	78	71	79	97	98	104	85	111	108	110	91	115	75	67	65	66	47	48	39	41	2741
190	Trunks and Hand-Carried Luggage	319	42	42	41	40	36	48	58	49	50	55	43	50	52	45	24	26	22	23	23	23	22	1133
191	Electricity: Transmission To Vehicles	114	8	5	9	5	12	8	6	10	9	9	14	21	18	10	6	9	5	4	3	5	1	291
192	Clutches and Power-Stop Control	600	42	61	45	34	40	31	67	46	32	59	49	44	36	38	30	28	30	19	18	12	18	1379
193	Conveyors, Chutes, Skids, Guides, and Ways	234	14	16	16	19	10	16	11	9	10	11	17	18	19	9	5	5	12	8	10	6	9	484
194	Check-Actuated Control Mechanisms	209	13	21	16	18	14	21	23	16	12	17	10	15	9	11	8	4	8	6	4	5	10	470

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
	Mineral Oils: Apparatus	47	6	1	2	2	4	4	3	1	9	8	1	6	3	1	1	1	0	1	0	0	2	103
198	Conveyors: Power-Driven	1538	137	129	135	111	117	84	76	76	89	82	101	103	104	80	72	55	60	52	59	42	63	3365
200	Electricity: Circuit Makers and Breakers	1451	117	118	104	93	95	92	95	93	119	103	80	64	81	72	77	61	61	68	51	42	46	3183
201	Distillation: Processes, Thermolytic	150	3	2	10	3	6	7	3	3	5	4	4	3	3	3	4	1	5	1	2	4	8	234
202	Distillation: Apparatus	440	32	15	17	21	19	21	16	21	23	18	21	10	20	12	12	8	12	5	11	13	18	785
203	Distillation: Processes, Separatory	385	48	22	35	39	25	52	19	30	40	28	18	12	24	11	8	10	8	2	8	10	13	847
204	Chemistry: Electrical and Wave Energy	1033	102	81	108	88	94	117	86	88	92	75	103	135	84	73	74	50	38	36	55	30	57	2699
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	577	36	32	49	51	63	54	42	39	51	42	47	68	52	30	37	21	26	31	21	20	27	1416
206	Special Receptacle or Package	3918	504	512	461	494	457	448	431	441	626	590	582	494	416	394	333	296	250	249	240	234	300	12670
208	Mineral Oils: Processes and Products	287	22	16	19	12	15	15	26	12	18	30	15	19	11	14	9	4	10	7	10	11	16	598
209	Classifying, Separating, and Assorting Solids	965	74	81	75	97	74	65	53	57	59	72	59	50	54	37	40	40	37	25	28	31	34	2107
210	Liquid Purification or Separation	3322	324	363	403	372	325	334	368	344	367	399	370	420	337	306	273	253	242	235	221	210	271	10059
211	Supports: Racks	2016	214	270	251	221	214	196	262	220	300	287	284	238	216	222	180	166	159	123	99	103	119	6360
212	Traversing Hoists	320	24	24	17	19	17	23	25	19	25	28	34	22	25	23	15	18	12	17	21	14	17	759
213	Railway Draft Appliances	44	1	3	3	0	2	0	2	0	2	1	3	4	2	1	5	2	5	1	1	1	2	85
215	Bottles and Jars	1077	117	119	97	92	87	103	90	96	101	112	121	96	88	73	64	55	49	40	34	50	63	2824
216	Etching a Substrate: Processes	163	13	18	17	11	21	24	11	10	17	14	13	18	23	23	27	11	15	10	18	9	7	493
217	Wooden Receptacles	143	11	7	8	9	8	4	5	6	7	4	7	6	4	5	1	3	3	1	3	1	7	253
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices	36	2	1	1	3	3	1	6	1	1	1	3	4	0	0	2	0	1	0	0	1	0	67
219	Electric Heating	2081	201	177	156	167	154	169	153	148	206	200	257	191	172	164	182	134	152	111	73	77	92	5417
220	Receptacles	3040	401	403	385	413	368	346	389	328	417	437	429	390	350	319	274	222	241	195	179	203	247	9976
221	Article Dispensing	774	69	86	81	70	78	65	76	49	81	76	72	77	102	87	61	52	66	40	42	42	51	2197
222	Dispensing	2986	283	334	309	293	325	292	296	250	291	383	308	308	283	206	231	214	221	145	131	110	168	8367
223	Apparel Apparatus	439	50	56	45	30	29	32	47	64	51	60	75	64	36	24	39	24	29	39	30	13	33	1309
224	Package and Article Carriers	1994	289	286	248	266	267	290	308	303	335	347	314	297	248	241	214	138	130	136	76	96	158	6981
225	Severing by Tearing or Breaking	252	21	27	32	14	17	15	22	10	22	23	23	11	16	27	17	19	14	14	11	12	14	633
226	Advancing Material of Indeterminate Length	386	24	14	11	17	10	18	14	14	17	14	10	11	7	4	6	4	4	5	5	1	3	599
227	Elongated-Member-Driving Apparatus	400	23	29	30	37	31	33	26	36	30	35	37	28	41	37	37	35	28	22	11	17	16	1019
228	Metal Fusion Bonding	560	47	36	43	43	30	42	39	32	26	41	42	43	34	39	33	25	17	9	10	16	16	1223
229	Envelopes, Wrappers, and Paperboard Boxes	925	117	140	104	105	98	95	78	85	115	106	107	104	83	73	37	57	45	43	27	20	45	2609
231	Whips and Whip Apparatus	14	1	2	3	0	1	0	0	1	0	1	3	0	1	1	2	1	1	1	3	2	2	40
232	Deposit and Collection Receptacles	289	42	45	25	27	18	39	23	29	19	30	24	21	14	20	24	22	32	41	30	20	14	848
234	Selective Cutting (e.g., Punching)	10	0	0	2	0	0	0	0	0	2	1	0	1	0	0	1	0	1	0	1	1	1	21
235	Registers	758	64	54	55	54	67	93	84	76	80	118	119	73	100	129	128	89	138	131	118	100	139	2767
236	Automatic Temperature and Humidity Regulation	632	32	23	33	27	38	29	20	18	25	25	39	24	32	25	22	20	21	18	21	11	20	1155
237	Heating Systems	704	36	29	19	24	20	12	18	15	14	30	29	23	15	20	18	9	10	8	3	8	4	1068
238	Railways: Surface Track	166	18	14	17	13	9	15	20	10	22	12	12	15	13	14	10	8	8	5	6	2	9	418
239	Fluid Sprinkling, Spraying, and Diffusing	2342	224	201	195	202	252	168	139	191	249	265	292	221	214	205	181	146	168	112	114	93	152	6326
241	Solid Material Comminution or Disintegration	945	89	89	90	128	107	99	96	83	95	116	87	59	74	85	61	52	64	70	58	79	72	2698
242	Winding, Tensioning, or Guiding	1637	124	111	97	112	115	97	114	118	128	156	133	122	142	125	84	85	86	70	99	63	74	3892
244	Aeronautics and Astronautics	1088	79	114	127	103	87	67	81	59	107	110	120	119	129	122	113	91	98	72	53	71	78	3088
245	Wire Fabrics and Structure	16	0	2	0	3	2	1	2	2	0	3	1	1	1	0	2	2	2	1	1	0	0	42
246	Railway Switches and Signals	70	6	7	3	8	7	14	6	9	15	8	16	16	15	16	9	5	5	9	9	8	10	271
248	Supports	4988	632	713	661	569	577	548	604	551	749	673	741	651	659	607	508	397	411	413	315	400	493	16860
249	Static Molds	819	54	57	48	44	57	35	45	61	60	51	49	50	49	42	33	30	39	29	12	20	23	1707
250	Radiant Energy	1680	168	182	167	146	124	173	148	154	175	169	141	142	138	170	154	109	155	133	130	130	153	4841
251	Valves and Valve Actuation	1750	136	134	165	141	153	138	117	107	124	138	147	136	100	98	92	111	111	74	63	53	66	4154
252	Compositions	778	56	56	60	46	49	64	80	68	66	75	72	74	74	62	57	33	34	36	22	25	41	1928
254	Implements or Apparatus for Applying Pushing or Pulling Force	1352	105	92	99	114	96	102	89	101	95	132	137	124	106	119	105	98	110	89	77	60	89	3491
256	Fences	472	33	54	52	34	53	52	54	61	55	64	57	52	51	72	63	53	44	33	42	39	34	1524
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	598	68	82	86	76	111	132	119	130	162	175	176	238	241	247	236	174	206	166	185	137	199	3944

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	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	54	2	3	1	1	1	0	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0	66
261	Gas and Liquid Contact Apparatus	1294	76	81	84	59	58	62	58	57	59	52	60	65	52	43	47	37	30	35	29	45	30	2413
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	2576	252	221	225	260	250	209	226	202	269	234	225	206	196	193	159	100	120	94	49	73	117	6456
266	Metallurgical Apparatus	444	15	22	19	19	22	30	19	26	21	17	29	17	19	19	23	7	8	8	8	17	13	822
267	Spring Devices	558	46	47	36	33	43	38	42	28	37	45	27	30	44	27	31	19	28	24	24	20	13	1240
269	Work Holders	1276	146	95	121	94	95	73	109	77	106	113	109	92	86	95	77	50	68	51	32	36	44	3045
270	Sheet-Material Associating	113	12	6	5	6	9	5	5	3	7	3	9	4	3	4	5	9	3	3	3	0	5	222
271	Sheet Feeding or Delivering	419	26	31	33	33	19	29	21	11	19	18	20	14	16	13	9	10	10	7	6	8	13	785
273	Amusement Devices: Games	2990	300	341	307	295	359	325	302	303	371	322	287	297	303	290	207	162	183	176	155	151	167	8593
277	Seal for a Joint or Juncture	655	55	49	47	36	50	41	45	38	29	38	30	58	57	34	36	30	22	25	15	14	20	1424
278	Land Vehicles: Animal Draft Appliances	3	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5
279	Chucks or Sockets	484	44	53	34	28	34	31	30	24	34	44	23	39	17	25	10	29	14	17	13	18	19	1064
280	Land Vehicles	4823	415	481	442	495	565	515	518	392	600	576	652	620	628	530	495	441	450	439	390	358	433	15258
281	Books, Strips, and Leaves	414	62	61	52	57	47	58	49	59	73	79	65	43	46	31	26	24	26	13	10	13	16	1324
283	Printed Matter	559	89	67	81	89	85	73	67	66	102	116	101	79	56	45	34	36	31	25	16	11	22	1850
285	Pipe Joints or Couplings	1549	113	139	126	116	134	109	95	96	121	156	110	105	97	103	84	67	70	64	79	51	70	3654
289	Knots and Knot Tying	92	3	6	5	3	4	7	7	12	5	8	7	12	8	6	6	5	5	2	3	6	4	216
290	Prime-Mover Dynamo Plants	613	18	18	19	10	24	30	13	18	34	23	36	37	32	22	69	64	79	73	90	82	109	1513
291	Track Sanders	18	1	0	2	0	0	0	3	0	0	1	2	1	2	1	1	4	1	0	0	1	1	39
292	Closure Fasteners	1230	101	137	122	85	88	90	115	110	99	114	107	75	111	102	75	68	69	72	56	44	49	3119
293	Vehicle Fenders	196	28	23	22	17	13	9	10	19	17	20	13	21	14	22	14	14	14	11	16	8	10	531
294	Handling: Hand and Hoist-Line Implements	2226	201	191	178	186	178	206	195	185	237	212	209	134	188	136	89	101	108	108	92	77	104	5541
295	Railway Wheels and Axles	20	2	2	1	0	0	2	3	1	0	2	1	2	1	2	1	0	0	0	1	0	0	41
296	Land Vehicles: Bodies and Tops	1625	226	231	188	161	155	154	184	168	216	210	257	260	192	204	211	169	184	175	145	135	147	5597
297	Chairs and Seats	1957	233	235	224	182	281	224	279	247	295	316	355	267	260	260	252	207	236	176	210	170	200	7066
298	Land Vehicles: Dumping	230	16	26	15	19	13	15	13	11	16	14	18	15	12	17	28	11	13	7	7	10	14	540
299	Mining or In Situ Disintegration of Hard Material	431	26	28	24	33	11	20	15	22	20	20	25	19	19	21	15	11	19	11	31	27	25	873
300	Brush, Broom, and Mop Making	48	3	9	5	5	5	6	2	6	6	6	1	6	1	5	2	1	2	3	3	0	1	126
301	Land Vehicles: Wheels and Axles	330	42	45	44	39	41	36	52	30	43	46	54	56	55	53	45	34	39	36	31	18	35	1204
303	Fluid-Pressure and Analogous Brake Systems	138	16	9	14	21	16	21	13	17	13	16	13	16	21	15	8	7	6	1	8	4	11	404
305	Wheel Substitutes for Land Vehicles	109	6	6	3	9	11	13	4	8	10	10	14	10	11	10	4	4	5	3	5	2	10	267
307	Electrical Transmission or Interconnection Systems	854	60	63	63	61	59	73	105	103	121	126	93	60	62	77	65	37	65	46	36	51	73	2353
310	Electrical Generator or Motor Structure	972	59	70	79	77	66	72	69	69	104	101	90	106	94	85	116	87	87	56	68	78	94	2699
312	Supports: Cabinet Structure	1413	121	103	138	125	117	125	145	126	174	170	172	118	139	126	106	78	76	63	55	49	77	3816
313	Electric Lamp and Discharge Devices	410	42	34	30	21	22	32	39	27	41	58	37	47	42	49	42	32	44	25	28	29	38	1169
314	Electric Lamp and Discharge Devices: Consumable Electrodes	10	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	13
315	Electric Lamp and Discharge Devices: Systems	741	91	104	64	66	50	85	73	49	79	71	91	94	73	97	65	72	69	54	39	43	62	2232
318	Electricity: Motive Power Systems	763	78	61	45	49	65	69	62	44	71	52	64	55	49	39	35	36	37	34	32	45	35	1820
320	Electricity: Battery or Capacitor Charging or Discharging	196	14	13	29	41	28	19	36	42	42	46	47	54	46	44	38	27	23	25	16	30	47	903
322	Electricity: Single Generator Systems	145	6	11	10	10	4	3	13	11	8	5	7	8	4	8	9	16	11	7	10	11	5	322
323	Electricity: Power Supply or Regulation Systems	270	21	27	23	20	18	11	25	19	27	21	30	30	39	21	17	20	17	17	8	17	20	718
324	Electricity: Measuring and Testing	1376	134	127	130	113	108	146	148	103	148	119	132	153	167	138	126	112	144	108	112	90	95	4029
326	Electronic Digital Logic Circuitry	51	8	6	11	9	18	8	11	12	15	11	9	12	18	12	13	11	10	19	18	24	38	344
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	453	34	26	37	26	35	29	37	18	42	39	38	36	34	30	29	24	33	22	29	30	52	1133
329	Demodulators	48	0	6	4	3	3	8	4	2	2	3	3	2	2	0	2	0	1	2	1	4	2	102
330	Amplifiers	256	12	17	16	8	9	9	19	16	22	21	19	25	16	23	22	7	22	17	26	23	30	635
331	Oscillators	200	13	15	6	8	7	6	13	9	17	17	9	14	8	10	7	8	5	10	7	17	11	417
332	Modulators	55	3	6	2	2	3	7	6	2	2	5	5	4	7	1	2	3	3	7	0	5	5	135
333	Wave Transmission Lines and Networks	288	24	24	25	25	24	26	25	19	30	25	27	21	24	30	20	29	20	15	19	24	15	779
334	Tuners	23	1	0	0	0	0	2	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	29

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets	384	19	23	20	25	27	21	29	26	23	31	24	25	19	28	23	33	26	22	21	17	20	886
336	Inductor Devices	194	15	10	11	10	15	15	19	13	17	17	12	10	12	18	28	21	24	14	5	11	13	504
337	Electricity: Electrothermally or Thermally Actuated Switches	244	13	15	15	10	7	10	11	18	21	27	22	20	18	23	16	9	18	13	7	9	15	561
338	Electrical Resistors	333	31	25	22	17	12	6	14	13	14	13	20	8	10	9	7	4	6	7	4	4	8	587
340	Communications: Electrical	3388	349	355	318	274	298	354	429	455	544	532	569	518	464	359	431	425	553	424	473	387	462	12361
341	Coded Data Generation or Conversion	334	33	23	30	37	23	37	40	56	54	50	53	51	57	51	36	39	44	45	38	42	53	1226
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	369	37	28	34	44	47	38	61	46	73	66	68	87	73	62	56	67	59	54	60	60	49	1538
343	Communications: Radio Wave Antennas	420	35	45	13	31	26	38	38	30	47	54	55	61	58	35	38	51	53	60	55	45	47	1335
345	Computer Graphics Processing and Selective Visual Display Systems	419	57	49	55	39	74	76	91	113	132	152	183	182	165	158	136	143	173	151	125	124	186	2983
346	Recorders	231	13	14	8	5	4	5	7	2	3	6	2	4	3	1	1	1	0	2	2	0	0	314
347	Incremental Printing of Symbolic Information	159	17	14	14	10	17	19	19	21	33	21	28	25	35	33	27	26	44	28	43	15	19	667
348	Television	885	139	143	138	107	127	140	168	171	209	200	184	192	157	154	172	131	211	155	165	132	190	4270
349	Liquid Crystal Cells, Elements and Systems	108	14	10	17	8	7	26	23	17	16	16	16	25	17	23	19	28	20	10	15	15	21	471
351	Optics: Eye Examining, Vision Testing and Correcting	673	100	90	88	73	78	98	85	93	101	132	130	111	107	110	110	97	93	115	118	96	122	2820
352	Optics: Motion Pictures	310	26	32	18	19	11	13	16	15	17	22	11	11	10	12	16	4	10	8	6	7	12	606
353	Optics: Image Projectors	299	19	15	16	21	17	25	15	15	17	25	18	15	20	13	33	20	27	17	29	21	22	719
355	Photocopying	488	19	29	25	17	23	15	10	16	15	18	7	19	10	14	9	12	15	8	6	7	7	789
356	Optics: Measuring and Testing	1037	98	112	105	108	84	111	112	110	129	131	124	67	91	98	101	93	102	97	89	75	105	3179
358	Facsimile and Static Presentation Processing	184	24	31	32	22	34	43	41	30	36	56	33	19	30	31	34	20	56	42	31	64	80	973
359	Optical: Systems and Elements	1834	226	170	186	160	160	152	146	120	186	202	189	217	223	184	171	169	186	147	143	121	157	5449
360	Dynamic Magnetic Information Storage or Retrieval	561	47	45	42	48	43	39	47	30	44	26	30	34	31	34	21	12	21	13	6	14	23	1211
361	Electricity: Electrical Systems and Devices	1267	105	117	131	109	102	140	146	149	204	173	193	197	193	190	211	158	148	153	152	144	186	4568
362	Illumination	1888	265	297	274	214	271	300	324	314	404	383	482	482	428	480	414	373	462	394	315	308	370	9442
363	Electric Power Conversion Systems	308	28	29	26	36	24	22	30	33	35	32	38	39	41	29	22	21	23	24	14	26	33	913
365	Static Information Storage and Retrieval	141	12	23	19	31	33	28	34	37	41	34	38	30	25	33	22	33	39	29	35	72	67	856
366	Agitating	1108	93	81	68	71	79	95	98	77	103	98	86	93	69	55	55	49	43	38	47	37	47	2590
367	Communications, Electrical: Acoustic Wave Systems and Devices	445	65	40	59	63	30	38	38	38	38	38	35	32	29	23	26	26	27	26	47	27	40	1230
368	Horology: Time Measuring Systems or Devices	560	56	56	56	58	65	37	38	53	62	55	52	66	67	47	59	40	55	39	48	37	42	1648
369	Dynamic Information Storage or Retrieval	379	19	27	23	25	24	42	28	32	42	27	34	29	30	35	21	18	27	15	13	29	34	953
370	Multiplex Communications	198	21	19	23	20	13	43	57	42	62	54	56	53	44	46	59	61	117	110	113	184	289	1684
372	Coherent Light Generators	227	46	31	16	24	28	32	28	31	27	23	21	22	22	36	44	32	29	18	22	30	22	811
373	Industrial Electric Heating Furnaces	140	9	6	9	5	9	9	7	2	4	9	19	8	11	4	8	2	3	0	3	6	2	275
374	Thermal Measuring and Testing	603	47	46	41	34	34	23	41	38	61	31	44	42	34	38	34	32	33	33	36	18	21	1364
375	Pulse or Digital Communications	237	25	36	35	20	32	41	62	63	71	76	65	47	57	53	60	59	104	93	73	86	114	1509
376	Induced Nuclear Reactions: Processes, Systems, and Elements	340	22	16	22	22	16	17	21	16	17	10	8	9	5	9	8	6	2	3	1	3	3	576
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	342	13	13	15	14	12	12	12	6	4	6	11	8	8	3	8	5	6	1	0	0	5	504
378	X-Ray or Gamma Ray Systems or Devices	418	43	55	51	44	35	33	48	26	47	31	41	34	37	33	24	36	49	43	43	54	54	1279
379	Telephonic Communications	862	98	103	94	54	82	108	123	111	148	126	121	111	92	109	116	106	111	99	74	95	106	3049
380	Cryptography	121	32	41	23	29	34	22	27	44	43	26	39	30	25	16	20	27	36	26	27	41	77	806
381	Electrical Audio Signal Processing Systems and Devices	789	85	59	69	69	65	56	72	81	151	79	87	56	91	93	91	74	92	82	59	71	97	2468
382	Image Analysis	171	25	39	30	40	25	43	55	63	74	95	88	71	71	87	91	84	144	119	93	126	195	1829
383	Flexible Bags	750	107	121	84	92	93	104	83	75	101	122	122	106	68	57	46	42	47	42	36	32	40	2370
384	Bearings	603	57	48	51	46	65	56	44	33	47	36	32	55	47	35	19	21	19	15	19	13	12	1373
385	Optical Waveguides	316	57	63	34	39	57	42	55	46	87	80	75	72	98	91	87	95	139	74	63	53	60	1783
386	Motion Video Signal Processing for Recording or Reproducing	174	25	30	23	22	16	21	19	31	21	24	22	20	21	15	19	12	12	11	19	14	11	582
388	Electricity: Motor Control Systems	67	5	11	2	4	9	5	8	3	4	8	5	3	1	1	2	2	5	7	2	3	5	162
392	Electric Resistance Heating Devices	608	42	29	43	44	48	50	34	33	59	63	54	48	42	36	35	40	31	26	27	26	21	1439
396	Photography	802	64	70	40	35	52	30	47	38	81	62	43	33	36	48	51	28	31	33	36	43	54	1757
398	Optical Communications	103	10	7	8	9	14	10	19	15	19	24	19	19	30	21	20	25	28	21	18	28	39	506

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
399	Electrophotography	98	13	10	16	16	16	21	7	13	19	13	11	24	13	14	8	11	27	10	8	14	12	394
400	Typewriting Machines	445	39	40	37	47	35	59	43	37	42	39	34	23	29	37	34	35	23	26	9	12	15	1140
401	Coating Implements with Material Supply	842	115	134	102	83	114	84	92	56	94	156	137	153	113	101	110	89	96	71	67	48	53	2910
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	218	26	37	27	26	28	20	31	33	43	32	39	23	26	18	18	13	17	11	8	2	12	708
403	Joints and Connections	2593	239	204	212	203	210	210	214	201	214	209	211	198	192	195	152	133	106	97	88	83	105	6269
404	Road Structure, Process, or Apparatus	861	117	108	93	105	90	106	88	95	88	101	98	88	97	85	121	70	113	75	64	83	87	2833
405	Hydraulic and Earth Engineering	1828	186	224	208	211	151	160	222	156	191	215	153	165	198	184	183	157	176	128	137	129	139	5501
406	Conveyors: Fluid Current	289	20	27	21	17	6	15	18	12	10	14	13	20	14	19	11	7	12	5	4	6	6	566
407	Cutters, for Shaping	228	18	30	22	17	11	10	6	22	19	20	22	19	8	16	5	10	11	18	10	9	11	542
408	Cutting by Use of Rotating Axially Moving Tool	907	87	107	74	53	71	67	58	67	92	87	55	80	51	58	43	38	54	48	30	36	26	2189
409	Gear Cutting, Milling, or Planing	527	58	52	45	40	27	34	33	55	58	47	63	42	52	40	29	30	35	36	25	16	17	1361
410	Freight Accommodation On Freight Carrier	368	43	45	35	38	31	51	46	34	47	49	59	60	53	61	58	42	50	49	39	34	36	1328
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	958	130	79	106	112	82	96	120	103	118	121	107	95	78	74	73	50	61	34	34	28	57	2716
412	Bookbinding: Process and Apparatus	69	10	7	7	11	4	9	6	10	8	6	11	12	9	3	3	7	4	0	4	2	7	209
413	Sheet Metal Container Making	35	1	3	3	1	5	0	5	1	3	4	7	2	0	2	2	0	3	4	1	1	0	83
414	Material or Article Handling	2888	224	261	260	219	229	225	217	195	208	223	256	164	194	178	168	109	104	112	91	101	121	6747
415	Rotary Kinetic Fluid Motors or Pumps	765	30	42	46	50	49	51	51	29	32	30	50	59	64	66	61	52	53	55	39	30	54	1758
416	Fluid Reaction Surfaces (i.e., Impellers)	936	54	39	58	69	64	68	57	41	48	62	85	70	75	66	65	69	74	55	59	33	54	2201
417	Pumps	1826	106	140	121	134	123	118	118	107	119	125	155	155	153	127	102	51	78	50	48	52	61	4069
418	Rotary Expansible Chamber Devices	514	44	32	45	36	37	40	31	32	35	25	47	46	37	37	37	29	26	19	22	23	31	1225
419	Powder Metallurgy Processes	110	13	14	8	3	13	7	12	10	7	11	12	6	9	14	10	3	3	5	6	7	6	289
420	Alloys or Metallic Compositions	200	14	20	13	8	18	16	8	11	11	13	9	11	25	21	17	8	2	3	4	4	6	442
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	1626	146	168	187	180	180	210	177	179	212	211	196	220	190	197	140	118	112	114	126	118	171	5178
423	Chemistry of Inorganic Compounds	958	63	56	65	61	76	61	69	44	66	66	56	73	67	63	43	31	33	44	32	35	70	2132
424	Drug, Bio-Affecting and Body Treating Compositions	1419	185	194	197	197	176	216	254	338	402	457	391	495	477	449	284	208	254	215	197	201	290	7496
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	2115	177	158	148	152	150	151	142	132	157	133	129	117	115	93	97	59	90	84	58	59	68	4584
426	Food or Edible Material: Processes, Compositions, and Products	1654	181	181	143	144	120	149	163	178	185	239	240	228	179	152	146	80	94	69	45	41	73	4684
427	Coating Processes	1686	127	136	129	111	130	134	123	132	166	161	165	153	134	143	124	63	60	73	56	51	83	4140
428	Stock Material or Miscellaneous Articles	4181	403	353	335	338	342	353	351	344	398	409	383	381	304	353	274	192	171	168	100	116	166	10415
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	373	24	28	35	34	31	42	94	43	44	43	48	40	40	51	26	30	24	22	19	40	42	1173
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	419	37	37	22	18	25	34	33	22	43	40	44	37	51	39	39	33	38	24	21	24	32	1112
431	Combustion	769	59	51	58	49	64	59	62	44	75	83	88	92	57	83	65	57	40	38	24	39	39	1995
432	Heating	594	31	29	30	23	27	18	15	21	24	27	32	27	24	25	16	6	13	7	7	5	8	1009
433	Dentistry	1598	152	213	196	170	183	131	171	150	245	231	179	221	163	151	106	108	162	103	85	46	99	4863
434	Education and Demonstration	1685	142	162	170	200	161	163	189	180	228	223	228	164	178	181	148	136	125	124	83	87	110	5067
435	Chemistry: Molecular Biology and Microbiology	1047	116	114	133	153	155	171	189	248	367	387	321	389	299	319	246	188	233	213	199	227	286	6000
436	Chemistry: Analytical and Immunological Testing	656	53	78	72	89	93	87	114	116	143	121	105	113	79	113	84	47	60	72	86	69	84	2534
438	Semiconductor Device Manufacturing: Process	218	19	26	31	25	34	49	31	25	53	61	78	103	91	116	118	82	79	67	90	73	118	1587
439	Electrical Connectors	1391	188	164	187	162	182	177	188	189	246	194	274	247	233	198	244	208	249	218	184	163	182	5668
440	Marine Propulsion	581	71	84	64	69	63	62	66	71	76	70	80	63	57	62	61	60	76	49	44	37	43	1909
441	Buoys, Rafts, and Aquatic Devices	639	92	86	79	70	96	84	76	83	91	74	86	85	79	78	66	71	85	72	53	45	49	2239
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	311	29	19	22	24	32	42	28	27	49	57	46	40	19	20	27	18	16	23	18	21	15	903
445	Electric Lamp or Space Discharge Component or Device Manufacturing	49	4	2	4	2	3	5	3	6	5	11	7	5	5	6	4	4	10	2	4	3	5	149
446	Amusement Devices: Toys	2000	243	244	245	220	243	206	225	178	260	242	291	257	266	250	225	157	128	111	102	88	123	6304
449	Bee Culture	93	1	7	3	0	3	4	1	5	2	1	2	1	4	5	6	1	4	0	3	4	3	153
450	Foundation Garments	148	14	14	16	18	7	17	18	21	28	54	68	45	39	16	21	19	27	25	27	18	26	686
451	Abrading	1290	124	126	107	142	94	103	109	113	107	124	127	154	123	111	120	100	125	73	51	51	43	3517
452	Butchering	487	47	32	47	41	42	34	36	22	23	24	35	42	13	23	22	20	35	28	33	27	17	1130

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
453	Coin Handling	79	5	11	6	4	5	7	5	4	2	2	5	1	4	4	8	0	3	0	0	2	5	162
454	Ventilation	889	98	70	95	62	71	52	75	59	87	70	77	98	93	79	74	68	49	35	22	38	38	2299
455	Telecommunications	592	47	64	71	55	47	74	100	78	105	117	120	96	120	113	141	120	210	206	170	236	300	3182
460	Crop Threshing or Separating	79	12	12	11	6	6	10	17	2	11	12	13	11	10	4	5	5	5	4	1	2	6	244
462	Books, Strips, and Leaves for Manifolding	89	8	2	11	19	12	12	6	5	6	10	9	9	9	0	6	3	0	1	1	0	0	218
463	Amusement Devices: Games	285	26	37	39	37	50	31	45	50	94	86	106	105	100	99	85	89	67	90	71	55	96	1743
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	327	23	22	22	16	24	19	17	26	20	23	23	35	15	22	14	11	14	6	5	8	5	697
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus	144	18	7	8	11	13	8	7	6	8	7	5	5	5	5	1	4	5	1	2	2	3	275
472	Amusement Devices	383	66	41	40	48	49	46	47	48	75	59	48	42	44	42	38	39	35	27	22	23	45	1307
473	Games Using Tangible Projectile	2684	368	386	382	368	450	483	450	431	541	447	376	370	363	362	336	299	328	293	213	213	300	10443
474	Endless Belt Power Transmission Systems or Components	441	38	47	24	36	45	44	36	35	25	27	38	15	29	20	12	15	17	6	12	12	16	990
475	Planetary Gear Transmission Systems or Components	343	37	44	44	30	26	28	39	26	30	40	47	25	31	28	23	31	26	27	27	20	27	999
476	Friction Gear Transmission Systems or Components	62	1	6	3	4	5	6	10	5	3	6	7	2	3	2	3	5	3	3	2	4	4	149
477	Interrelated Power Delivery Controls, Including Engine Control	129	12	9	4	4	5	11	14	9	10	12	7	3	7	8	5	9	11	4	9	10	13	305
482	Exercise Devices	1947	277	286	283	284	305	265	316	331	396	364	355	307	292	309	299	217	344	260	244	262	381	8324
483	Tool Changing	33	3	5	4	1	5	3	1	3	5	9	9	1	7	2	1	2	5	3	4	5	3	114
492	Roll or Roller	127	17	6	6	13	5	16	15	11	15	12	18	9	9	6	12	11	7	4	5	5	7	336
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	495	43	55	61	45	44	33	33	30	53	43	37	27	28	33	28	32	20	16	17	20	14	1207
494	Imperforate Bowl: Centrifugal Separators	131	10	17	11	12	17	8	9	10	15	16	10	11	12	6	3	3	3	6	1	5	1	317
501	Compositions: Ceramic	212	26	24	24	26	28	25	27	22	22	23	17	31	20	22	13	13	8	8	7	8	7	613
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making	282	19	28	26	28	21	20	17	21	27	32	32	30	21	16	11	14	11	17	12	10	22	717
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor	28	4	4	5	2	4	1	4	3	7	4	1	3	3	2	4	1	4	4	5	3	5	101
504	Plant Protecting and Regulating Compositions	90	12	9	21	11	6	5	9	14	15	38	16	23	20	15	9	8	6	6	3	7	4	347
505	Superconductor Technology: Apparatus, Material, Process	95	9	7	15	14	9	13	10	12	8	14	17	9	6	11	6	6	3	3	4	6	4	281
506	Combinatorial Chemistry Technology: Method, Library, Apparatus	0	0	0	0	0	0	0	6	2	3	8	9	3	6	10	4	3	0	0	0	4	4	62
507	Earth Boring, Well Treating, and Oil Field Chemistry	74	8	4	8	9	2	3	3	5	13	5	9	6	8	6	14	11	4	3	3	10	12	220
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions	77	6	11	9	9	8	11	10	10	16	16	12	12	7	10	6	3	8	5	2	5	11	264
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	251	24	24	16	21	19	31	34	32	49	66	43	43	46	38	39	23	28	20	18	24	13	902
512	Perfume Compositions	15	3	3	2	1	3	4	3	2	4	3	7	5	1	3	2	0	0	2	2	1	2	68
514	Drug, Bio-Affecting and Body Treating Compositions	1648	228	260	224	212	185	235	319	354	408	450	366	443	405	348	239	201	203	170	134	146	245	7423
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	102	13	12	8	10	10	11	11	11	13	10	11	11	10	11	11	3	3	5	6	11	7	300
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof	23	0	0	2	1	2	2	3	0	2	1	2	5	1	1	2	1	2	5	1	2	0	58
520	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	369	16	18	29	29	22	22	16	21	32	28	17	23	18	23	7	15	4	7	3	6	5	730
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	73	6	2	5	5	3	12	10	5	6	9	7	8	6	12	8	3	5	6	4	0	3	198
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	331	31	27	25	38	25	39	26	32	45	38	17	38	33	34	14	21	16	16	7	7	21	881
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	672	49	56	56	43	52	54	57	55	81	56	54	60	59	60	34	39	37	34	22	30	40	1700
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	447	42	40	44	42	30	35	29	29	45	35	33	29	35	34	21	16	23	31	11	11	16	1078
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	209	13	20	18	25	19	9	12	12	17	22	14	20	11	32	13	15	12	10	6	6	11	526
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	57	3	2	7	5	5	5	2	2	3	0	3	2	2	1	2	0	2	1	1	0	0	105
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	416	28	24	32	43	28	35	22	24	29	33	19	29	32	14	19	14	20	20	15	14	16	926
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	433	33	51	53	59	53	61	65	109	162	138	94	133	98	115	99	72	74	98	79	64	91	2234
532	Organic Compounds -- Part of the Class 532-570 Series	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
534	Organic Compounds -- Part of the Class 532-570 Series	51	7	5	4	4	3	3	2	5	8	2	4	2	2	2	0	0	0	1	1	0	3	109
536	Organic Compounds -- Part of the Class 532-570 Series	265	31	35	43	29	29	48	81	88	145	173	121	136	105	115	82	71	95	70	57	70	72	1961
540	Organic Compounds -- Part of the Class 532-570 Series	108	8	11	5	7	4	8	6	20	10	11	6	8	12	7	7	4	11	3	4	3	2	265
544	Organic Compounds -- Part of the Class 532-570 Series	195	22	15	18	14	14	18	23	20	19	24	26	20	21	20	21	14	16	12	11	8	24	575
546	Organic Compounds -- Part of the Class 532-570 Series	192	20	11	20	19	16	20	30	25	23	20	32	26	20	33	23	14	26	13	18	21	33	655
548	Organic Compounds -- Part of the Class 532-570 Series	197	15	20	26	15	21	16	30	20	17	20	16	16	25	24	20	12	17	17	8	13	21	586
549	Organic Compounds -- Part of the Class 532-570 Series	151	16	15	10	20	12	11	15	18	27	25	23	25	20	18	12	10	13	18	7	8	10	484
552	Organic Compounds -- Part of the Class 532-570 Series	61	6	9	3	2	1	5	2	3	2	7	2	4	3	5	3	1	2	3	1	0	1	126
554	Organic Compounds -- Part of the Class 532-570 Series	97	7	8	5	4	11	9	10	11	8	8	11	11	17	13	13	5	5	6	6	5	3	273
556	Organic Compounds -- Part of the Class 532-570 Series	128	8	12	10	7	7	11	12	14	7	14	5	14	8	9	6	4	1	10	5	4	5	301
558	Organic Compounds -- Part of the Class 532-570 Series	114	9	4	10	12	4	12	11	6	10	15	6	6	9	3	4	3	8	5	4	4	3	262
560	Organic Compounds -- Part of the Class 532-570 Series	183	16	13	16	21	15	13	21	13	13	16	10	15	21	19	8	3	3	5	4	8	4	440
562	Organic Compounds -- Part of the Class 532-570 Series	184	13	14	14	21	13	17	13	17	15	17	11	22	16	15	8	9	11	12	6	3	14	465
564	Organic Compounds -- Part of the Class 532-570 Series	143	13	12	12	9	8	19	19	17	11	10	11	19	19	14	6	6	12	6	3	6	8	383
568	Organic Compounds -- Part of the Class 532-570 Series	211	20	23	31	23	17	31	15	18	34	35	18	13	14	15	17	8	8	9	6	11	14	591
570	Organic Compounds -- Part of the Class 532-570 Series	32	3	5	15	3	0	3	3	5	2	4	3	7	2	0	1	2	0	3	0	0	2	95
585	Chemistry of Hydrocarbon Compounds	159	20	16	25	17	9	31	16	15	26	27	24	19	9	19	10	8	14	2	12	9	9	496
588	Hazardous or Toxic Waste Destruction or Containment	130	11	7	12	22	33	37	37	43	31	39	28	18	27	10	11	7	10	11	9	7	10	550
600	Surgery	2259	284	320	282	342	373	375	314	256	502	411	433	373	423	354	266	210	254	198	198	194	262	8883
601	Surgery: Kinesitherapy	775	77	97	111	66	75	112	110	90	127	100	101	112	84	96	83	62	101	92	72	47	60	2650
602	Surgery: Splint, Brace, or Bandage	768	93	108	96	99	103	118	90	115	174	156	159	113	122	131	107	92	100	46	50	57	99	2996
604	Surgery	2938	397	442	439	514	561	480	442	426	522	414	405	342	337	412	273	189	185	157	148	143	261	10427
606	Surgery	1825	239	292	344	386	440	427	462	547	607	578	519	435	385	443	292	229	228	200	134	154	241	9407
607	Surgery: Light, Thermal, and Electrical Application	698	89	94	82	80	86	107	97	80	124	137	155	138	115	135	101	81	76	84	48	50	59	2716
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	937	120	111	151	116	118	106	160	133	168	154	174	188	200	181	159	121	129	88	67	82	126	3789
700	Data Processing: Generic Control Systems or Specific Applications	379	50	50	53	44	67	59	83	62	110	101	74	84	94	129	120	102	129	90	107	86	110	2183
701	Data Processing: Vehicles, Navigation, and Relative Location	182	19	26	24	22	35	39	44	37	76	73	70	110	111	96	82	106	115	95	98	83	117	1660
702	Data Processing: Measuring, Calibrating, or Testing	426	39	42	45	44	47	38	64	65	78	78	62	75	103	121	124	100	120	119	110	101	122	2123
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	24	3	5	7	9	8	7	11	23	18	26	17	20	26	26	20	31	56	38	50	47	48	520
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	111	18	23	19	21	22	27	24	33	50	47	29	46	40	37	38	21	54	46	47	35	87	875
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination	152	29	29	35	47	50	23	48	77	111	188	153	122	134	138	138	183	270	220	266	306	528	3247
706	Data Processing: Artificial Intelligence	19	12	15	11	16	13	23	29	22	53	31	31	32	38	44	29	22	34	24	25	44	88	655
707	Data Processing: Database and File Management or Data Structures	42	7	7	10	14	18	32	24	47	92	115	93	99	105	133	136	112	171	173	142	132	204	1908
708	Electrical Computers: Arithmetic Processing and Calculating	276	23	22	25	31	28	20	32	33	34	43	29	20	32	21	19	16	21	15	14	18	22	794
709	Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring	13	4	2	3	7	6	7	23	26	60	59	77	80	89	93	106	91	149	144	111	177	316	1643
710	Electrical Computers and Digital Data Processing Systems: Input/Output	50	7	8	5	11	10	19	21	29	40	26	33	29	20	31	25	21	32	35	21	46	49	568
711	Electrical Computers and Digital Processing Systems: Memory	69	5	10	7	11	11	21	20	33	35	28	21	24	17	25	28	20	41	29	39	52	71	617
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)	60	10	3	8	8	6	10	16	20	30	13	13	19	12	11	9	14	20	12	14	18	33	359
713	Electrical Computers and Digital Processing Systems: Support	61	18	24	16	23	25	21	39	43	53	37	46	41	36	34	37	45	87	66	70	94	166	1082
714	Error Detection/Correction and Fault Detection/Recovery	133	8	19	19	8	24	31	40	40	53	35	38	39	35	42	39	39	42	63	40	81	82	950
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing	60	12	9	19	20	34	25	28	50	86	82	62	81	58	73	74	62	107	93	60	86	155	1336
716	Computer-Aided Design and Analysis of Circuits and Semiconductor Masks	8	1	0	1	0	4	3	3	7	7	4	4	14	27	28	23	16	32	42	35	37	54	350
717	Data Processing: Software Development, Installation, and Management	9	1	1	2	0	4	7	8	8	13	19	14	15	17	12	13	17	21	25	22	33	58	319
718	Electrical Computers and Digital Processing Systems: Virtual	2	1	2	1	1	3	5	3	3	9	9	7	3	10	7	9	9	6	9	6	12	16	133

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
	Machine Task or Process Management or Task Management/Control																							
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)	1	0	0	0	1	0	5	3	4	8	3	7	7	14	13	9	8	12	2	9	11	21	138
720	Dynamic Optical Information Storage or Retrieval	16	3	4	1	3	3	6	4	1	7	6	7	3	7	8	7	8	6	1	7	9	8	125
725	Interactive Video Distribution Systems	89	16	19	12	14	12	16	32	19	32	39	31	26	17	20	20	13	28	23	19	36	75	608
726	Information Security	15	4	1	4	0	5	2	4	11	20	21	29	25	22	21	25	26	53	36	41	64	104	533
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	11	1	2	1	2	3	5	4	8	30	25	22	19	20	18	20	17	17	18	21	15	23	302
850	Scanning-Probe Techniques or Apparatus; Applications of Scanning-Probe Techniques, e.g., Scanning Probe Microscopy [Spm]	19	3	2	7	5	6	7	10	6	8	6	3	5	5	11	9	7	0	0	0	1	2	122
901	Robots	212	17	35	26	22	18	19	19	16	20	19	16	16	20	16	12	10	8	6	7	5	7	546
902	Electronic Funds Transfer	123	5	6	4	6	6	6	2	12	9	4	11	2	4	5	3	3	6	5	4	3	1	230
903	Hybrid Electric Vehicles (Hevs)	27	1	1	4	3	8	2	7	6	6	3	5	2	6	8	4	5	0	4	6	7	1	116
930	Peptide or Protein Sequence	138	0	0	3	3	3	0	0	2	4	4	4	6	2	1	2	1	0	1	0	1	1	176
968	Horology	646	46	1	0	0	0	0	0	0	2	0	1	1	0	0	1	0	0	0	1	1	0	700
976	Nuclear Technology	408	16	7	5	2	1	4	4	3	3	0	2	0	1	0	0	0	0	1	0	0	0	457
977	Nanotechnology	6	1	1	2	5	7	7	11	15	14	27	18	25	23	41	27	8	11	13	22	13	25	322
984	Musical Instruments	1330	76	0	0	0	0	0	0	0	0	0	1	2	1	3	0	0	1	2	1	0	0	1417
987	Organic Compounds Containing a Bi, Sb, As, or P Atom or Containing a Metal Atom of the 6th To 8th Group of the Periodic System	111	7	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	123
G9B	Information Storage Based On Relative Movement Between Record Carrier and Transducer	1125	103	108	111	130	139	135	146	158	192	140	137	143	135	133	108	83	71	52	52	0	1	3402
SUBTOTAL	UTILITY CLASSES	320027	30700	31762	30122	29040	30027	30012	31491	29973	37604	37733	36792	35223	32997	31799	28320	23696	26282	22379	19990	19894	26165	942028
D00	** Design Classification Undetermined **	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
D01	Edible Products	80	20	22	9	13	17	10	19	24	27	27	30	32	21	7	27	13	19	15	22	21	21	496
D02	Apparel and Haberdashery	1011	122	156	101	172	179	188	205	195	300	253	210	154	209	179	160	128	181	221	280	305	367	5276
D03	Travel Goods and Personal Belongings	1487	219	238	228	292	273	272	265	249	334	339	314	274	251	249	206	184	285	246	260	246	294	7005
D04	Brushware	311	39	49	51	69	58	73	88	71	94	74	95	85	112	59	43	35	58	39	69	38	57	1667
D05	Textile or Paper Yard Goods; Sheet Material	88	7	6	5	4	5	6	6	11	15	10	17	19	7	17	9	9	14	12	18	11	12	308
D06	Furnishings	4663	447	537	540	715	578	719	652	584	735	676	743	654	697	581	465	354	473	632	527	520	521	17013
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified	2439	233	233	238	370	323	312	397	262	342	285	362	332	258	311	290	205	380	343	368	344	387	9014
D08	Tools and Hardware	2848	340	411	394	462	446	492	448	384	550	471	545	405	341	458	397	289	446	489	514	441	415	11986
D09	Packages and Containers for Goods	1051	143	198	150	173	186	195	215	207	207	178	207	213	159	194	138	123	181	189	203	229	222	4961
D10	Measuring, Testing, or Signalling Instruments	1488	157	234	192	269	278	282	201	200	291	262	230	204	199	158	166	141	172	194	221	170	142	5851
D11	Jewelry, Symbolic Insignia, and Ornaments	1752	123	177	157	211	219	234	199	207	239	219	252	254	250	197	186	175	226	236	274	232	220	6239
D12	Transportation	1992	342	331	361	390	344	350	361	289	374	285	357	283	240	269	306	254	303	336	343	334	307	8751
D13	Equipment for Production, Distribution, or Transformation of Energy	369	50	76	66	74	86	85	78	74	85	118	110	99	106	105	64	40	86	87	121	112	68	2159
D14	Recording, Communication, or Information Retrieval Equipment	841	110	130	117	165	139	180	178	185	212	182	237	181	183	195	172	104	172	181	177	172	190	4403
D15	Machines Not Elsewhere Specified	955	84	57	124	140	91	152	141	89	107	82	76	64	58	81	82	58	108	133	97	100	105	2984
D16	Photography and Optical Equipment	341	63	42	57	49	56	49	80	63	82	74	102	51	60	88	50	46	51	90	74	82	70	1720
D17	Musical Instruments	319	37	34	32	37	41	35	36	26	40	46	26	42	23	40	21	19	39	25	51	29	39	1037
D18	Printing and Office Machinery	333	28	43	27	48	26	28	29	17	30	26	34	19	27	25	16	12	44	30	29	45	13	929
D19	Office Supplies; Artists' and Teachers' Materials	1018	82	143	142	154	155	181	129	154	210	162	157	156	120	135	132	109	97	109	154	99	69	3867
D20	Sales and Advertising Equipment	336	56	62	55	82	81	90	73	95	114	90	82	59	29	78	62	44	53	58	44	50	63	1756
D21	Games, Toys, and Sports Goods	3252	367	517	475	482	564	550	496	464	680	512	544	489	389	342	320	305	415	355	403	309	342	12572
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment	962	114	90	97	108	116	128	139	95	97	116	102	97	108	98	80	74	113	120	97	116	128	3195
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment	1446	124	227	179	167	221	231	175	184	239	232	280	209	206	210	201	203	259	239	283	183	248	5946
D24	Medical and Laboratory Equipment	1623	186	195	229	243	235	233	231	200	246	220	226	252	199	187	128	95	163	224	226	212	333	6086
D25	Building Units and Construction Elements	1349	67	83	111	111	153	141	123	127	144	142	145	125	156	147	129	113	87	135	129	123	165	4005

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
D26	Lighting	733	73	121	125	111	154	159	200	179	234	183	275	328	272	257	221	147	231	293	301	246	214	5057
D27	Tobacco and Smokers' Supplies	251	14	19	6	9	18	21	20	26	49	55	38	40	42	37	38	35	59	60	42	26	35	940
D28	Cosmetic Products and Toilet Articles	664	147	83	57	86	130	103	112	127	114	105	176	155	103	115	112	64	82	71	73	90	101	2870
D29	Equipment for Safety, Protection, and Rescue	340	52	34	42	58	65	80	73	60	52	53	67	36	58	41	44	26	42	77	72	65	47	1484
D30	Animal Husbandry	693	66	121	118	154	140	145	137	117	88	80	131	72	74	81	75	72	93	99	115	96	127	2894
D32	Washing, Cleaning, or Drying Machine	479	79	76	65	81	103	122	100	105	121	92	90	69	66	83	54	42	61	102	94	70	81	2235
D34	Material or Article Handling Equipment	806	121	204	228	206	146	169	97	81	117	86	96	76	73	87	65	41	123	125	70	86	72	3175
D99	Miscellaneous	252	23	23	29	40	31	53	34	43	48	37	45	60	33	67	48	32	43	31	21	18	52	1063
SUBTOTAL	DESIGN CLASSES	36572	4135	4972	4807	5745	5657	6068	5737	5194	6617	5772	6401	5588	5129	5178	4507	3591	5159	5597	5772	5220	5527	148945
PLT	Plants	1016	98	119	75	101	97	78	83	91	124	101	92	125	261	232	156	105	199	163	268	270	231	4085
SUBTOTAL	PLANT CLASSES	1016	98	119	75	101	97	78	83	91	124	101	92	125	261	232	156	105	199	163	268	270	231	4085
TOTAL	ALL CLASSES	357615	34933	36853	35004	34886	35781	36158	37311	35258	44345	43606	43285	40936	38387	37209	32983	27392	31640	28139	26030	25384	31923	1095058

Patent Counts By Class By Year - Independent Inventors
PART A1
Granted: 01/01/1977 - 12/31/2010
A Patent Technology Monitoring Team Report

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