

## Patent Counts By Class By Year - Independent Inventors JANUARY 1977 -- DECEMBER 2013

PATENTS DISTRIBUTED BY CALENDAR YEAR OF GRANT

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### Parts of the Report

[Description of the Report](#)

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

#### [PART I. Patent Counts Based on ORIGINAL Classification Only -](#)

Part I counts patents only 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 (non-design) patent is counted in class 001. Design patents with an unknown "original" classification are counted in design class D00. See the Description of the Report section, below, for further details.

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

Part II counts patents according to the "original" and "cross-reference" classifications assigned to each patent. Counts of duplicate patents are eliminated within each class, but not among classes. For example, the same patent would be counted once in Class 2 and once in Class 4 if it has classifications assigned in both classes. If the patent record is incomplete and the classification is unknown, then the (non-design) patent is counted in class 001. Design patents with unknown classification are counted in design class D00. See the Description of the Report section, below, for further details.

[CONTACT INFORMATION -](#)

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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" classifications 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. Patent classifications used to produce this report are those assigned to patents as of December 31, 2013. Please refer to the U.S. Patent and Trademark Office *Manual of Patent Classification* for further information regarding the patent classification system.

This report counts all patent documents including utility, design, plant, and reissue patents as well as statutory invention registrations and defensive publications.

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## Report Printing and the Use of Spreadsheet Software

This report can be printed from an Internet browser - for such printing, optimal results are usually obtained by printing in landscape orientation with minimal margins and a small text font.

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

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**Patent Counts By Class By Year - Independent Inventors**  
**Patents Granted: 1977 - 2013**  
*A Patent Technology Monitoring Team Report*

**Part I, Patent Counts By Class By Year - Independent Inventors**  
**Patent Counts Based on ORIGINAL Classification Only**

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

*PART I, Patent Counts By Class By Year, Independent Inventor Patents, Breakout by U.S. Patent Classification System Class.*  
*Patent Counts Based on ORIGINAL Patent Classification Only are presented.*  
*Patents Granted: 01/01/1977 - 12/31/2013*

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
001	** Classification Undetermined **	7	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	11
002	Apparel	2172	161	176	152	266	296	348	427	372	375	308	205	220	178	206	129	123	81	179	179	184	182	6919
004	Baths, Closets, Sinks, and Spittoons	1894	174	190	152	136	152	212	264	218	201	236	198	177	133	123	111	84	54	108	141	158	123	5239
005	Beds	1895	165	157	152	208	175	181	190	206	177	166	189	188	186	169	120	138	139	162	144	155	174	5436
007	Compound Tools	227	28	21	12	24	17	23	23	26	34	24	14	21	21	21	23	2	8	10	14	8	17	618
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	206	14	18	14	17	14	22	18	17	16	15	14	6	8	7	7	9	7	9	10	11	5	464
012	Boot and Shoe Making	91	5	5	3	2	3	5	13	1	6	2	6	6	1	2	2	4	1	3	5	3	0	169
014	Bridges	129	8	12	16	15	10	10	17	6	7	15	11	17	8	11	16	11	10	10	12	17	19	387
015	Brushing, Scrubbing, and General Cleaning	2182	144	193	199	236	181	237	238	251	186	175	175	137	111	106	123	126	104	152	122	147	177	5702
016	Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, Etc.)	588	40	63	55	69	66	92	76	70	64	97	78	67	57	50	38	21	36	55	55	41	64	1842
019	Textiles: Fiber Preparation	152	5	13	10	6	8	5	10	10	8	14	4	1	0	3	1	3	3	2	3	3	4	268
023	Chemistry: Physical Processes	17	0	3	1	0	0	1	1	3	0	1	1	0	0	0	1	0	1	1	1	1	3	36
024	Buckles, Buttons, Clasps, Etc.	1238	79	81	98	95	131	121	116	121	130	126	141	79	46	79	61	55	54	64	65	86	99	3165
026	Textiles: Cloth Finishing	48	1	1	1	4	5	1	4	2	2	0	0	1	0	2	2	1	1	4	0	5	0	85
027	Undertaking	87	7	7	5	5	12	11	9	5	9	6	15	6	2	9	18	15	12	15	21	17	12	305
028	Textiles: Manufacturing	73	2	9	6	5	4	4	7	4	3	4	1	7	2	4	1	3	3	1	1	2	3	149
029	Metal Working	2212	168	127	133	131	144	137	120	152	158	142	157	136	125	140	115	81	82	109	129	151	145	4994
030	Cutlery	1762	104	109	98	124	97	136	137	129	116	146	124	127	93	87	74	49	51	68	72	60	75	3838
033	Geometrical Instruments	2242	113	117	167	121	96	132	112	143	148	134	150	163	169	120	141	113	133	145	135	102	90	4986
034	Drying and Gas or Vapor Contact with Solids	738	50	52	49	43	56	59	75	78	51	49	41	40	39	38	21	36	11	18	26	34	21	1625
036	Boots, Shoes, and Leggings	1010	69	73	64	65	86	126	106	96	83	76	76	81	66	67	69	55	57	87	59	69	72	2612
037	Excavating	548	38	23	31	47	29	36	43	49	40	49	33	34	30	22	17	12	35	48	29	33	25	1251
038	Textiles: Ironing or Smoothing	156	8	12	9	13	7	11	14	10	11	9	7	11	8	7	14	7	4	13	2	9	14	356
040	Card, Picture, or Sign Exhibiting	1535	95	113	100	92	98	124	135	154	140	148	180	131	101	96	101	106	93	88	115	92	87	3924

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
042	Firearms	959	61	70	82	63	84	88	77	49	77	104	108	88	65	66	65	60	61	79	99	126	113	2644
043	Fishing, Trapping, and Vermin Destroying	2755	220	219	163	223	135	139	263	214	141	183	205	171	135	130	98	101	107	133	97	108	107	6047
044	Fuel and Related Compositions	240	13	13	14	12	9	4	15	22	10	10	14	14	10	6	5	9	17	17	8	12	20	494
047	Plant Husbandry	1087	82	108	106	100	62	88	103	124	98	103	94	52	60	62	41	34	48	90	56	83	83	2764
048	Gas: Heating and Illuminating	127	0	4	6	0	2	7	3	4	3	0	2	6	1	8	5	3	7	8	13	13	11	233
049	Movable or Removable Closures	733	33	51	60	61	41	55	47	50	57	42	35	53	27	30	22	16	21	24	12	37	57	1564
051	Abrasive Tool Making Process, Material, or Composition	121	18	7	8	5	14	4	4	6	4	5	4	3	2	2	3	2	0	1	3	6	6	228
052	Static Structures (e.g., Buildings)	4666	309	348	301	384	431	495	465	459	529	433	401	359	295	234	180	170	235	374	315	390	487	12260
053	Package Making	871	46	45	65	60	51	71	57	54	47	33	37	53	53	30	26	41	41	35	34	30	30	1810
054	Harness for Working Animal	182	14	15	12	13	9	20	8	20	17	24	28	18	10	20	19	20	13	5	8	14	10	499
055	Gas Separation	362	28	9	15	25	17	35	36	28	33	24	30	29	16	21	18	25	27	24	28	20	33	883
056	Harvesters	1030	78	71	88	75	39	65	80	71	48	64	43	48	57	42	22	19	26	35	26	29	27	2083
057	Textiles: Spinning, Twisting, and Twining	402	39	32	14	8	16	34	17	10	15	10	5	6	0	5	2	5	1	1	6	2	3	633
059	Chain, Staple, and Horseshoe Making	84	4	9	7	6	10	4	9	6	4	5	11	9	11	6	6	5	5	2	1	1	5	210
060	Power Plants	1596	88	61	56	61	69	82	86	91	100	92	84	91	82	116	63	48	51	68	75	66	119	3245
062	Refrigeration	1719	142	141	110	127	122	150	144	156	192	201	170	116	89	105	106	74	54	81	67	64	73	4203
063	Jewelry	274	25	14	30	25	32	21	24	25	19	30	30	24	18	19	24	25	14	15	10	20	18	736
065	Glass Manufacturing	219	9	13	4	6	5	11	22	8	7	18	12	8	10	9	5	4	3	2	5	4	2	386
066	Textiles: Knitting	206	12	4	3	12	15	10	12	18	20	14	6	11	10	10	7	3	10	13	10	3	6	415
068	Textiles: Fluid Treating Apparatus	151	9	9	12	11	7	15	15	10	8	15	14	2	2	2	2	11	5	4	3	5	3	315
069	Leather Manufactures	45	0	1	0	2	1	0	0	1	1	1	1	2	1	0	1	1	1	2	0	0	0	61
070	Locks	1429	104	105	122	103	128	174	170	104	92	121	129	96	88	79	58	71	60	46	48	48	52	3427
071	Chemistry: Fertilizers	164	6	10	16	14	19	17	11	11	12	19	8	8	1	4	0	4	4	8	8	11	8	363
072	Metal Deforming	1221	60	53	40	57	63	84	83	69	52	46	42	37	42	71	54	38	34	34	22	44	29	2275
073	Measuring and Testing	3022	159	173	203	217	189	209	196	166	167	205	219	179	161	162	160	181	136	126	117	124	130	6601
074	Machine Element or Mechanism	1227	92	91	85	109	90	102	112	101	86	58	73	53	32	41	46	28	40	32	38	48	59	2643
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	323	13	21	25	12	14	17	14	14	27	25	17	8	8	7	8	4	9	10	8	9	14	607
076	Metal Tools and Implements, Making	195	5	10	16	10	10	7	3	15	5	3	7	1	3	3	2	3	1	0	1	3	3	306
079	Button Making	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
081	Tools	1561	115	129	91	116	79	118	182	215	251	187	139	157	177	236	184	129	59	94	84	100	153	4556
082	Turning	300	12	14	7	9	19	19	19	15	22	13	30	12	12	9	3	3	2	11	12	8	9	560
083	Cutting	1286	76	58	51	58	47	72	93	73	66	45	57	99	52	57	47	30	39	38	40	39	48	2471
084	Music	1658	87	104	124	128	95	130	158	173	152	121	131	123	96	132	149	161	185	214	162	172	174	4629

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
086	Ammunition and Explosive-Charge Making	105	10	3	5	2	4	5	1	6	2	6	3	1	4	6	1	2	9	9	1	1	4	190
087	Textiles: Braiding, Netting, and Lace Making	35	5	0	0	1	2	1	5	2	0	5	5	5	1	2	3	2	0	2	1	1	2	80
089	Ordnance	336	27	24	32	17	20	27	28	21	29	31	31	35	19	20	24	25	21	34	47	54	51	953
091	Motors: Expansible Chamber Type	354	19	18	4	9	9	10	6	9	5	8	6	8	4	5	5	1	3	3	2	2	3	493
092	Expansible Chamber Devices	286	12	25	22	16	7	18	12	10	13	15	17	9	8	6	14	12	6	5	7	6	4	530
095	Gas Separation: Processes	303	19	13	14	16	21	23	28	14	28	27	22	17	22	16	11	16	9	27	29	34	37	746
096	Gas Separation: Apparatus	438	29	19	21	27	19	21	27	22	25	25	17	23	23	24	15	12	19	25	15	23	20	889
099	Foods and Beverages: Apparatus	1134	92	93	126	102	130	148	133	149	150	110	96	89	60	64	27	48	33	65	48	67	69	3033
100	Presses	525	41	37	29	28	34	37	25	21	22	11	27	16	14	25	15	22	14	8	13	10	18	992
101	Printing	654	49	51	69	39	49	67	50	56	53	36	49	52	27	42	17	10	19	15	17	13	14	1448
102	Ammunition and Explosives	359	31	28	32	18	15	19	21	11	34	28	27	28	24	21	24	21	20	24	34	34	30	883
104	Railways	322	14	16	24	20	25	22	18	14	20	29	23	21	22	8	5	14	24	18	20	19	21	719
105	Railway Rolling Stock	140	13	6	8	13	11	12	3	12	14	12	6	6	11	7	5	4	7	9	10	7	8	324
106	Compositions: Coating or Plastic	434	34	59	35	44	33	39	44	32	39	32	39	38	24	20	25	17	18	29	30	36	28	1129
108	Horizontally Supported Planar Surfaces	630	28	62	62	83	77	77	83	103	68	63	66	72	43	43	14	28	36	35	48	66	69	1856
109	Safes, Bank Protection, or a Related Device	156	10	5	3	5	11	9	9	8	3	7	5	2	4	2	3	1	1	3	1	5	8	261
110	Furnaces	464	29	44	29	23	19	30	15	17	21	19	12	15	16	18	5	10	6	8	5	12	4	821
111	Planting	286	12	18	23	28	22	10	22	21	29	19	24	13	12	18	7	14	21	20	12	9	17	657
112	Sewing	403	19	20	16	20	18	32	40	29	35	26	11	16	19	20	9	13	12	11	10	14	12	805
114	Ships	2028	139	144	138	147	139	141	154	175	147	133	137	108	162	155	130	102	96	91	98	102	66	4732
116	Signals and Indicators	548	34	49	38	35	28	23	32	41	37	42	32	44	33	28	27	27	24	33	17	22	23	1217
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	85	2	6	7	3	4	9	8	8	7	4	3	3	3	3	7	16	5	4	7	8	9	211
118	Coating Apparatus	512	33	37	43	32	37	40	47	32	32	34	31	21	15	22	14	14	17	14	20	14	18	1079
119	Animal Husbandry	1989	180	186	164	194	186	288	227	216	207	256	249	176	156	180	154	120	95	141	168	173	170	5875
122	Liquid Heaters and Vaporizers	328	9	17	11	11	6	16	15	14	11	10	25	11	13	11	8	6	11	7	6	10	4	560
123	Internal-Combustion Engines	2704	142	126	131	137	123	159	135	129	195	147	156	132	138	156	133	128	98	114	99	99	117	5498
124	Mechanical Guns and Projectors	651	53	60	67	70	91	59	60	56	60	52	67	80	48	48	53	33	42	78	52	56	64	1900
125	Stone Working	150	9	11	8	10	15	10	12	14	16	12	11	17	14	24	10	11	2	7	4	4	9	380
126	Stoves and Furnaces	2932	83	79	75	65	61	73	93	102	90	48	70	65	63	37	18	19	30	46	61	61	63	4234
127	Sugar, Starch, and Carbohydrates	50	4	5	3	2	1	4	6	1	4	1	0	0	1	1	2	1	0	2	1	0	2	91
128	Surgery	1554	149	181	191	215	205	245	195	176	170	171	160	159	115	126	81	64	59	93	101	124	117	4651
131	Tobacco	478	7	15	22	23	22	41	27	29	13	19	17	24	9	8	6	5	9	9	17	20	28	848
132	Toilet	857	73	85	72	87	88	169	195	141	104	86	75	57	25	46	62	36	40	34	54	80	81	2547
134	Cleaning and Liquid Contact with Solids	762	62	65	90	68	56	76	120	98	79	83	74	48	34	33	37	33	37	35	52	39	61	2042

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
135	Tent, Canopy, Umbrella, or Cane	577	60	101	62	77	84	90	80	83	127	79	71	87	63	44	64	63	65	72	89	69	94	2201
136	Batteries: Thermoelectric and Photoelectric	203	4	10	13	16	11	14	9	22	15	19	10	14	9	8	6	0	13	13	30	28	22	489
137	Fluid Handling	2590	183	181	147	141	143	171	237	251	223	128	126	135	128	137	118	80	69	95	71	96	124	5574
138	Pipes and Tubular Conduits	414	20	31	30	29	23	45	63	52	45	34	24	23	24	20	17	16	27	24	27	27	25	1040
139	Textiles: Weaving	199	3	5	11	11	7	7	5	8	8	5	1	8	7	8	1	3	1	6	4	6	4	318
140	Wireworking	125	3	9	8	7	5	9	5	8	6	3	5	2	1	10	7	2	4	1	3	1	1	225
141	Fluent Material Handling, with Receiver or Receiver Coating Means	708	54	73	69	72	68	62	76	68	88	81	60	80	66	52	51	22	31	45	48	38	46	1958
142	Wood Turning	29	1	1	1	1	2	1	5	2	0	0	1	0	0	0	0	0	0	0	0	0	0	44
144	Woodworking	889	46	52	50	40	44	53	59	62	52	59	61	31	19	49	30	27	24	38	44	21	10	1760
147	Coopering	3	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5
148	Metal Treatment	198	15	24	14	9	15	15	14	19	26	22	26	21	8	2	4	9	10	6	4	8	17	486
149	Explosive and Thermic Compositions or Charges	63	1	2	1	4	3	3	0	2	3	1	2	2	3	0	0	0	2	1	5	5	3	106
150	Purses, Wallets, and Protective Covers	148	16	15	10	14	6	13	13	24	21	14	15	10	7	10	10	10	19	11	9	13	11	419
152	Resilient Tires and Wheels	329	25	19	14	13	16	16	17	22	17	13	21	13	11	17	12	11	10	12	11	23	11	653
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	1643	99	111	136	107	109	127	141	129	140	122	111	103	52	62	53	40	38	79	77	73	88	3640
157	Wheelwright Machines	105	5	3	5	4	1	2	3	5	7	2	1	1	2	3	5	6	4	3	4	5	4	180
159	Concentrating Evaporators	49	6	3	3	2	0	3	1	1	0	1	0	0	2	2	0	0	1	1	1	3	1	80
160	Flexible or Portable Closure, Partition, or Panel	732	60	52	70	69	82	84	86	111	92	81	70	74	62	57	53	35	38	55	44	63	46	2116
162	Paper Making and Fiber Liberation	192	18	14	12	15	12	20	10	13	21	9	9	6	4	7	10	8	13	6	11	12	12	434
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	456	29	26	12	31	13	21	13	6	20	31	23	12	17	18	7	7	2	10	13	12	9	788
165	Heat Exchange	993	39	67	52	48	27	49	51	39	53	42	36	70	37	61	26	24	17	17	19	19	24	1810
166	Wells	918	71	80	67	58	53	73	55	81	126	70	78	69	50	77	75	82	55	103	69	82	92	2484
168	Farriery	87	10	5	2	4	6	6	4	11	8	9	7	5	6	2	4	5	8	2	0	2	3	196
169	Fire Extinguishers	272	22	13	9	25	31	31	42	40	24	26	20	12	17	23	16	10	13	21	12	13	20	712
171	Unearthing Plants or Buried Objects	74	2	6	3	1	1	2	1	4	2	5	0	1	1	5	0	1	1	4	0	0	1	115
172	Earth Working	844	34	38	50	47	42	65	51	55	49	41	33	32	34	26	10	10	15	18	25	20	19	1558
173	Tool Driving or Impacting	324	9	14	16	15	15	28	21	28	15	10	21	24	19	18	12	9	6	8	10	16	8	646
174	Electricity: Conductors and Insulators	474	45	46	49	39	48	83	78	59	84	95	80	72	102	87	61	64	75	65	51	54	52	1863
175	Boring or Penetrating the Earth	725	36	44	46	45	29	53	45	42	49	39	37	33	33	34	53	47	58	68	37	50	41	1644
177	Weighing Scales	297	20	12	11	2	12	19	13	10	15	13	19	14	6	9	21	7	15	10	6	6	11	548
178	Telegraphy	48	2	1	4	5	3	3	0	3	0	2	0	0	0	0	0	1	0	0	1	0	3	76
180	Motor Vehicles	1073	58	76	59	66	35	60	70	73	70	79	75	56	81	84	73	69	75	99	77	81	112	2601

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
181	Acoustics	516	42	30	24	26	32	38	54	53	31	35	42	22	26	11	15	26	39	29	39	33	37	1200
182	Fire Escape, Ladder, or Scaffold	1318	61	100	74	75	80	111	130	102	67	95	78	99	80	87	65	30	19	39	54	81	76	2921
184	Lubrication	181	15	14	23	25	11	15	17	14	20	12	7	7	5	8	4	4	3	6	2	6	4	403
185	Motors: Spring, Weight, or Animal Powered	26	1	1	0	0	3	0	1	2	1	1	1	0	1	0	0	0	1	2	1	2	3	47
186	Merchandising	48	3	1	6	5	5	4	0	3	4	2	2	4	0	1	1	0	0	0	1	0	1	91
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	166	14	21	12	22	16	16	28	17	16	14	11	10	6	15	18	11	10	6	6	14	6	455
188	Brakes	469	26	44	46	58	43	41	55	45	52	79	44	31	40	45	31	24	25	22	29	22	34	1305
190	Trunks and Hand-Carried Luggage	179	13	17	22	23	19	16	17	16	20	20	22	10	7	11	7	8	9	8	12	13	24	493
191	Electricity: Transmission To Vehicles	67	3	8	4	3	7	4	2	4	13	6	5	3	4	3	3	0	2	0	3	2	4	150
192	Clutches and Power-Stop Control	309	11	17	18	30	20	16	27	18	18	15	11	10	14	8	10	7	7	10	6	7	12	601
193	Conveyors, Chutes, Skids, Guides, and Ways	103	7	3	3	3	2	1	8	9	9	13	1	4	4	6	4	3	4	6	4	2	4	203
194	Check-Actuated Control Mechanisms	188	14	9	18	15	7	7	15	5	8	5	9	7	1	4	6	1	4	4	0	2	2	331
196	Mineral Oils: Apparatus	17	1	1	1	1	0	4	1	1	0	1	0	0	0	0	0	0	0	1	0	0	2	31
198	Conveyors: Power-Driven	920	60	81	49	44	45	57	55	70	63	66	56	50	39	42	36	37	29	45	38	28	45	1955
200	Electricity: Circuit Makers and Breakers	640	30	32	32	32	32	54	38	20	21	39	31	51	41	33	35	30	21	24	28	26	16	1306
201	Distillation: Processes, Thermolytic	44	0	2	2	0	3	2	1	0	0	1	2	0	1	3	0	1	3	5	2	5	2	79
202	Distillation: Apparatus	264	10	11	9	8	15	8	7	9	5	8	6	5	2	3	2	6	5	6	4	7	11	411
203	Distillation: Processes, Separatory	221	24	9	43	7	12	28	20	8	9	11	3	6	8	5	0	4	7	4	8	8	8	453
204	Chemistry: Electrical and Wave Energy	727	37	44	58	33	50	36	38	56	67	45	39	29	19	23	15	21	12	30	23	38	36	1476
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	464	41	41	38	26	19	25	28	30	48	34	17	25	12	12	20	12	12	15	18	24	20	981
206	Special Receptacle or Package	2707	238	239	232	216	235	343	321	312	243	217	192	174	186	131	122	136	135	163	160	168	173	7043
208	Mineral Oils: Processes and Products	198	3	11	6	16	6	7	13	8	7	5	7	4	3	5	5	7	2	7	8	9	14	351
209	Classifying, Separating, and Assorting Solids	675	48	45	35	28	32	36	43	37	36	36	15	27	29	22	11	18	18	25	26	17	29	1288
210	Liquid Purification or Separation	3063	276	225	250	267	255	258	281	273	310	248	208	208	204	187	183	167	168	198	176	175	151	7731
211	Supports: Racks	1210	114	126	97	144	134	190	153	156	139	124	120	105	96	95	71	46	46	73	103	74	109	3525
212	Traversing Hoists	162	10	6	4	5	8	17	16	10	9	8	8	5	5	5	7	11	10	4	3	1	2	316
213	Railway Draft Appliances	32	0	2	0	2	0	1	0	3	4	2	1	3	1	4	1	0	1	2	2	1	2	64
215	Bottles and Jars	689	34	33	51	32	35	42	50	41	38	33	23	22	20	19	16	9	15	23	26	35	38	1324
216	Etching a Substrate: Processes	94	9	14	9	4	6	10	7	5	4	11	10	16	9	4	6	6	6	3	5	3	9	250
217	Wooden Receptacles	27	1	2	2	1	0	2	1	2	1	0	0	0	2	0	0	1	0	3	2	1	0	48
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices	27	2	2	0	2	0	0	0	2	3	0	0	2	0	1	0	0	0	0	0	1	4	46
219	Electric Heating	1481	89	82	99	93	82	110	126	180	125	127	113	128	102	114	86	49	46	55	50	67	84	3488

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
220	Receptacles	1677	175	158	154	156	145	182	219	184	186	154	119	106	68	83	67	63	84	100	121	149	197	4547
221	Article Dispensing	565	39	48	44	44	34	47	46	47	48	57	58	42	32	47	25	25	17	26	29	15	29	1364
222	Dispensing	2121	171	170	175	169	142	168	246	174	179	170	111	135	128	126	81	61	53	99	77	104	122	4982
223	Apparel Apparatus	371	18	17	21	34	45	39	47	61	54	26	20	34	21	22	35	25	8	21	17	25	21	982
224	Package and Article Carriers	1530	142	150	184	178	181	202	195	165	177	149	133	132	76	55	53	35	26	71	72	75	105	4086
225	Severing by Tearing or Breaking	180	10	8	10	12	6	12	12	10	8	4	14	7	11	7	6	3	4	8	1	5	6	344
226	Advancing Material of Indeterminate Length	171	5	5	3	4	3	5	6	2	4	4	2	2	1	2	1	4	0	1	0	0	1	226
227	Elongated-Member-Driving Apparatus	325	15	14	17	17	24	22	22	26	23	32	27	27	29	19	19	11	11	12	14	6	8	720
228	Metal Fusion Bonding	353	27	20	29	22	23	13	23	23	26	24	19	21	20	12	5	7	9	11	11	9	10	717
229	Envelopes, Wrappers, and Paperboard Boxes	512	49	53	44	35	37	62	63	56	53	45	32	12	19	24	21	9	10	20	22	9	13	1200
231	Whips and Whip Apparatus	10	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	3	1	2	1	0	0	21
232	Deposit and Collection Receptacles	277	12	12	34	16	19	15	19	15	17	11	17	15	17	27	35	27	15	10	11	10	8	639
234	Selective Cutting (e.g., Punching)	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4
235	Registers	496	27	31	50	38	40	41	60	68	43	74	103	96	59	107	100	86	80	92	95	95	118	1999
236	Automatic Temperature and Humidity Regulation	345	19	19	15	8	10	15	13	22	14	13	14	10	7	10	15	8	6	10	14	14	11	612
237	Heating Systems	244	9	6	5	9	6	11	11	10	16	9	14	5	2	4	2	2	2	0	3	0	5	375
238	Railways: Surface Track	146	3	7	8	12	6	15	6	8	9	12	7	7	4	5	4	4	2	7	7	6	9	294
239	Fluid Sprinkling, Spraying, and Diffusing	1585	106	125	96	64	104	151	156	182	130	120	141	128	101	113	66	67	56	92	77	57	85	3802
241	Solid Material Comminution or Disintegration	827	87	68	59	70	59	61	81	62	43	57	58	50	41	53	56	42	62	57	66	52	51	2062
242	Winding, Tensioning, or Guiding	1197	71	67	49	66	72	94	106	86	90	107	90	52	57	54	55	73	46	46	40	28	37	2583
244	Aeronautics and Astronautics	956	76	62	53	58	39	86	86	99	91	99	93	91	71	78	51	39	54	58	80	87	94	2501
245	Wire Fabrics and Structure	3	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	0	0	0	2	9
246	Railway Switches and Signals	45	5	5	11	4	6	11	2	10	12	8	10	5	2	3	5	6	5	7	4	6	3	175
248	Supports	3047	252	248	244	250	242	369	325	364	326	344	310	233	171	189	183	149	194	271	200	231	210	8352
249	Static Molds	483	17	12	14	16	22	24	14	16	18	17	9	16	8	16	16	6	9	9	10	10	12	774
250	Radiant Energy	1129	78	67	87	74	73	90	82	69	69	71	96	93	69	111	86	88	91	105	85	99	113	2925
251	Valves and Valve Actuation	664	49	54	39	32	33	39	43	49	35	44	41	39	48	55	25	25	14	23	20	38	31	1440
252	Compositions	334	10	19	19	30	23	31	33	37	39	20	21	30	15	13	18	12	12	20	25	24	23	808
254	Implements or Apparatus for Applying Pushing or Pulling Force	849	71	42	35	34	57	49	81	74	66	65	76	63	68	75	55	57	39	53	41	64	71	2085
256	Fences	366	21	29	25	26	37	34	30	33	32	21	42	34	35	27	18	29	29	17	14	16	19	934
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	197	21	25	36	29	46	44	41	42	55	68	82	64	62	79	64	71	65	110	75	62	91	1429
258	Railway Mail Delivery	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3



Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
260	Chemistry of Carbon Compounds	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
261	Gas and Liquid Contact Apparatus	548	25	15	23	26	24	23	27	25	44	31	27	24	16	19	25	17	26	13	27	36	23	1064
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	1299	111	89	99	90	93	124	105	106	90	104	87	89	46	63	45	26	43	82	72	57	61	2981
266	Metallurgical Apparatus	319	8	10	20	13	13	13	5	14	10	11	10	14	3	7	5	3	12	9	7	11	15	532
267	Spring Devices	216	14	14	13	17	12	16	17	14	16	20	13	11	3	12	7	10	9	6	6	7	9	462
269	Work Holders	779	42	33	29	49	26	48	58	63	44	43	46	40	20	30	23	14	9	14	32	37	46	1525
270	Sheet-Material Associating	90	5	3	3	3	2	4	2	4	2	1	2	2	4	2	1	2	0	5	5	0	2	144
271	Sheet Feeding or Delivering	248	22	10	13	15	7	9	6	8	6	11	7	4	6	4	5	3	7	12	5	2	4	414
273	Amusement Devices: Games	2732	190	245	249	215	223	255	224	198	211	223	195	136	110	131	133	124	126	131	96	94	131	6372
277	Seal for a Joint or Juncture	382	16	18	17	21	24	21	25	18	33	38	21	20	12	12	8	5	2	6	8	13	6	726
278	Land Vehicles: Animal Draft Appliances	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
279	Chucks or Sockets	236	16	16	15	13	10	14	19	13	20	12	15	3	16	7	2	1	4	4	8	9	5	458
280	Land Vehicles	4043	323	363	345	342	251	409	402	468	456	426	386	364	335	333	335	303	280	339	310	365	384	11562
281	Books, Strips, and Leaves	260	29	19	26	24	30	34	44	25	22	17	7	12	9	11	6	3	5	7	7	6	4	607
283	Printed Matter	295	43	43	45	34	30	47	64	48	36	24	21	13	12	10	7	6	2	5	4	5	11	805
285	Pipe Joints or Couplings	889	64	70	65	59	41	70	75	49	52	51	49	43	33	38	31	51	30	43	33	30	33	1899
289	Knots and Knot Tying	68	1	1	1	3	7	2	6	4	9	5	4	5	2	3	2	3	6	2	4	6	6	150
290	Prime-Mover Dynamo Plants	429	7	12	23	8	7	22	13	23	29	26	15	60	47	64	58	79	71	80	106	119	152	1450
291	Track Sanders	10	0	0	0	3	0	0	0	1	0	1	0	1	4	0	0	0	1	1	1	0	2	25
292	Closure Fasteners	936	36	37	45	63	73	43	54	54	28	66	47	30	36	31	50	33	25	26	27	26	36	1802
293	Vehicle Fenders	142	10	6	3	5	12	8	7	9	14	9	12	9	9	11	8	8	7	5	8	6	8	316
294	Handling: Hand and Hoist-Line Implements	1290	98	97	106	117	109	148	130	123	81	119	76	45	46	67	76	58	50	71	74	82	102	3165
295	Railway Wheels and Axles	7	0	0	0	1	1	0	2	0	1	1	2	1	0	0	0	1	0	0	0	1	1	19
296	Land Vehicles: Bodies and Tops	1402	101	85	95	116	114	141	152	166	177	126	139	147	121	133	135	111	101	107	85	99	104	3957
297	Chairs and Seats	1459	82	165	120	171	161	183	220	263	159	176	181	179	139	180	134	164	121	153	123	134	144	4811
298	Land Vehicles: Dumping	129	8	7	9	5	5	8	7	10	11	7	12	18	9	9	3	5	3	8	11	9	7	300
299	Mining or In Situ Disintegration of Hard Material	320	16	6	11	8	11	10	12	10	15	8	12	7	4	9	6	23	15	14	8	9	14	548
300	Brush, Broom, and Mop Making	24	5	5	5	1	4	2	2	1	3	1	4	2	0	2	3	3	0	1	2	3	3	76
301	Land Vehicles: Wheels and Axles	261	24	25	17	26	13	27	29	40	45	43	40	34	27	27	24	20	14	19	27	11	13	806
303	Fluid-Pressure and Analogous Brake Systems	111	13	6	15	7	14	6	11	11	10	17	8	5	4	4	0	6	2	8	6	2	4	270
305	Wheel Substitutes for Land Vehicles	57	3	5	6	4	7	8	7	8	8	7	6	1	0	3	1	3	1	7	2	1	1	146
307	Electrical Transmission or Interconnection Systems	437	30	25	22	46	47	51	57	38	21	22	28	32	8	24	24	21	25	49	39	51	37	1134
310	Electrical Generator or Motor Structure	666	48	40	34	42	51	73	79	66	72	70	61	88	59	55	39	44	59	72	64	72	63	1917

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
312	Supports: Cabinet Structure	850	63	54	68	66	57	87	80	82	51	70	60	56	35	29	25	19	16	25	31	35	32	1891
313	Electric Lamp and Discharge Devices	202	8	10	11	21	18	23	32	23	19	23	28	20	14	25	15	16	10	21	19	29	23	610
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	631	50	37	64	45	29	59	47	65	64	58	71	43	54	47	36	23	24	38	46	69	81	1681
318	Electricity: Motive Power Systems	580	34	39	47	38	34	46	35	44	33	33	21	22	18	23	27	20	33	29	30	41	34	1261
320	Electricity: Battery or Capacitor Charging or Discharging	174	30	21	10	24	32	32	34	40	41	38	33	31	19	14	17	9	25	34	40	52	40	790
322	Electricity: Single Generator Systems	93	5	4	1	4	5	5	2	3	6	1	3	2	3	3	3	2	3	4	4	3	0	159
323	Electricity: Power Supply or Regulation Systems	155	10	7	7	11	12	13	9	11	16	19	5	8	11	11	10	7	9	7	6	12	16	372
324	Electricity: Measuring and Testing	1108	74	80	98	108	52	98	82	91	97	118	97	95	76	97	78	74	66	62	65	76	65	2857
326	Electronic Digital Logic Circuitry	43	4	10	7	7	6	12	7	4	8	11	8	9	9	8	18	13	19	32	12	16	11	274
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	206	13	16	10	16	11	20	23	23	24	23	17	20	14	21	9	19	13	18	12	9	22	559
329	Demodulators	21	1	2	1	2	1	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	33
330	Amplifiers	193	7	8	8	12	12	10	15	17	19	13	17	16	6	17	13	21	16	17	10	15	13	475
331	Oscillators	84	3	2	2	6	5	8	8	5	6	2	5	5	5	3	7	4	15	9	12	7	5	208
332	Modulators	22	0	1	5	3	0	2	1	1	2	0	1	0	0	1	2	0	0	3	3	1	2	50
333	Wave Transmission Lines and Networks	169	11	11	10	10	4	8	10	12	13	13	21	12	20	16	7	15	10	8	5	8	12	405
334	Tuners	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets	205	13	12	10	16	14	9	18	14	17	16	16	13	22	17	12	13	10	15	14	22	12	510
336	Inductor Devices	70	3	6	5	6	8	6	10	9	4	6	15	19	14	18	11	2	9	8	6	12	11	258
337	Electricity: Electrothermally or Thermally Actuated Switches	159	5	4	7	4	14	17	23	17	15	13	20	8	7	12	9	6	7	14	6	10	2	379
338	Electrical Resistors	122	8	6	0	6	3	4	6	8	2	4	4	2	0	2	0	2	0	5	5	2	3	194
340	Communications: Electrical	2494	164	165	222	273	314	372	378	431	381	318	223	308	309	394	311	349	271	320	271	290	331	8889
341	Coded Data Generation or Conversion	205	22	17	24	23	32	33	25	28	34	43	34	24	21	25	27	27	30	36	15	17	16	758
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	301	28	28	27	36	24	40	34	34	39	37	27	26	26	23	24	27	23	24	35	19	23	905
343	Communications: Radio Wave Antennas	378	25	19	27	31	24	29	37	43	52	50	24	26	47	43	47	41	35	37	25	20	30	1090
345	Computer Graphics Processing and Selective Visual Display Systems	269	21	46	47	47	76	86	108	112	122	112	107	82	85	104	99	74	66	117	78	106	145	2109
346	Recorders	83	0	1	2	2	0	1	3	0	1	0	0	0	0	0	1	0	0	0	0	0	0	94
347	Incremental Printing of Symbolic Information	93	1	6	6	4	9	17	10	19	16	22	20	19	23	30	25	33	9	16	12	16	16	422
348	Television	584	38	50	59	57	54	68	63	70	54	49	44	55	34	68	47	58	54	86	72	106	108	1878

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
349	Liquid Crystal Cells, Elements and Systems	71	6	4	17	19	11	9	7	7	12	9	12	11	12	8	1	5	10	12	16	13	13	285
351	Optics: Eye Examining, Vision Testing and Correcting	711	59	58	81	70	70	83	114	104	88	86	93	94	87	77	100	101	88	111	79	71	60	2485
352	Optics: Motion Pictures	179	6	1	3	6	10	7	14	5	8	4	6	8	3	5	4	4	3	3	0	3	5	287
353	Optics: Image Projectors	200	15	13	16	13	12	13	16	11	11	9	9	22	14	22	7	20	12	9	15	17	11	487
355	Photocopying	406	14	14	13	3	11	8	11	6	11	7	7	6	4	8	5	2	3	1	3	1	0	544
356	Optics: Measuring and Testing	754	48	38	67	61	60	70	76	75	32	60	58	73	55	62	70	62	64	70	60	58	78	2051
358	Facsimile and Static Presentation Processing	134	14	22	19	28	14	15	27	16	13	19	14	17	9	45	29	25	52	59	34	29	23	657
359	Optical: Systems and Elements	1418	105	93	89	96	79	136	138	129	154	159	122	113	120	128	99	106	72	96	79	73	81	3685
360	Dynamic Magnetic Information Storage or Retrieval	394	25	25	23	23	15	27	18	20	18	20	16	15	7	11	9	3	9	16	5	12	4	715
361	Electricity: Electrical Systems and Devices	784	70	46	72	91	87	117	84	98	115	119	108	114	88	78	110	92	94	131	95	94	114	2801
362	Illumination	1947	141	176	207	219	221	271	259	351	343	327	367	303	277	366	317	225	239	291	253	287	323	7710
363	Electric Power Conversion Systems	245	25	16	14	23	22	25	22	28	32	32	19	13	11	15	14	9	18	20	12	15	17	647
365	Static Information Storage and Retrieval	112	20	24	17	26	27	33	24	30	28	19	25	17	22	28	23	25	60	50	38	21	37	706
366	Agitating	784	34	47	55	66	44	57	65	46	65	45	39	28	30	26	27	27	24	29	37	46	33	1654
367	Communications, Electrical: Acoustic Wave Systems and Devices	329	36	23	26	19	16	19	16	17	23	15	11	15	19	15	14	32	13	27	9	17	18	729
368	Horology: Time Measuring Systems or Devices	535	45	52	27	25	39	43	43	30	50	47	36	45	26	45	31	36	25	37	34	26	32	1309
369	Dynamic Information Storage or Retrieval	273	16	16	31	19	21	21	17	22	18	22	27	15	11	14	8	11	20	26	13	7	11	639
370	Multiplex Communications	173	12	10	34	28	28	34	28	35	35	25	22	39	32	71	63	78	128	196	105	95	90	1361
372	Coherent Light Generators	223	14	21	26	18	22	19	14	16	16	14	26	39	23	21	13	15	22	15	24	12	15	628
373	Industrial Electric Heating Furnaces	96	5	3	5	3	0	0	7	12	6	6	3	3	1	1	0	3	1	0	1	1	1	158
374	Thermal Measuring and Testing	289	15	15	8	10	18	29	11	22	14	15	13	14	13	14	13	12	12	15	9	22	11	594
375	Pulse or Digital Communications	171	15	16	24	31	29	33	40	33	21	27	30	31	30	66	63	44	61	83	47	47	51	993
376	Induced Nuclear Reactions: Processes, Systems, and Elements	200	14	10	12	9	4	12	8	2	4	4	5	6	4	1	1	1	2	1	4	5	3	312
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	156	5	3	5	6	1	1	4	6	3	6	2	3	2	4	1	0	0	0	0	1	0	209
378	X-Ray or Gamma Ray Systems or Devices	383	31	28	25	33	22	36	18	32	28	26	26	17	23	30	32	29	40	39	21	31	22	972
379	Telephonic Communications	807	34	51	75	76	80	102	72	63	72	57	72	72	59	68	52	40	51	52	53	47	90	2145
380	Cryptography	117	15	23	12	15	22	22	8	18	15	11	4	8	8	15	11	8	12	33	18	23	30	448
381	Electrical Audio Signal Processing Systems and Devices	662	43	47	40	57	63	115	63	60	43	68	68	68	52	71	56	42	47	71	110	175	117	2138
382	Image Analysis	169	25	18	26	35	39	52	58	66	51	42	59	59	53	98	78	57	81	117	113	107	114	1517
383	Flexible Bags	310	28	37	27	21	21	23	45	51	44	25	15	13	18	15	12	13	10	10	19	20	24	801
384	Bearings	435	21	34	37	25	16	25	23	20	32	25	18	11	13	9	7	8	6	4	4	8	7	788

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
385	Optical Waveguides	290	30	31	31	39	32	67	62	59	57	79	74	66	70	106	60	54	47	39	22	33	30	1378
386	Motion Video Signal Processing for Recording or Reproducing	113	7	3	4	6	11	7	10	11	10	13	5	10	2	4	7	10	6	7	11	10	24	291
388	Electricity: Motor Control Systems	47	1	7	3	4	1	0	4	1	1	0	0	1	0	3	1	1	0	1	0	0	0	76
392	Electric Resistance Heating Devices	293	20	21	21	13	16	27	32	31	31	23	18	12	23	23	22	13	16	15	16	26	13	725
396	Photography	662	20	29	15	34	27	61	42	24	21	29	39	34	16	15	22	21	33	34	46	46	39	1309
398	Optical Communications	95	5	9	7	9	7	9	9	6	7	10	15	9	12	16	14	12	21	26	16	21	14	349
399	Electrophotography	74	11	10	13	6	12	9	9	7	20	8	10	4	8	17	5	4	8	6	4	3	1	249
400	Typewriting Machines	297	31	23	31	22	15	20	19	20	11	14	20	25	16	16	9	4	3	5	6	2	7	616
401	Coating Implements with Material Supply	569	37	59	46	33	23	36	110	98	124	90	77	89	71	71	59	57	37	41	37	72	64	1900
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	185	15	15	11	18	17	23	13	22	10	15	14	9	8	6	5	7	1	8	0	3	6	411
403	Joints and Connections	909	55	46	49	52	57	61	64	44	76	63	58	44	30	29	22	28	14	20	21	30	25	1797
404	Road Structure, Process, or Apparatus	721	72	59	61	51	51	46	57	63	49	66	56	71	40	84	54	46	57	64	42	42	53	1905
405	Hydraulic and Earth Engineering	1614	148	87	90	142	99	135	151	101	107	147	128	118	101	135	83	98	82	96	82	74	106	3924
406	Conveyors: Fluid Current	194	10	4	5	8	6	7	7	8	14	12	11	6	3	10	1	0	3	5	1	7	9	331
407	Cutters, for Shaping	117	9	3	2	2	8	8	9	9	12	3	8	1	6	6	10	9	4	2	1	1	1	231
408	Cutting by Use of Rotating Axially Moving Tool	618	32	45	44	25	35	56	47	22	40	27	31	19	17	32	21	19	19	15	11	14	16	1205
409	Gear Cutting, Milling, or Planing	323	18	14	17	19	27	29	25	31	18	21	20	16	18	16	19	12	12	9	7	3	6	680
410	Freight Accommodation On Freight Carrier	254	16	20	30	23	16	28	35	47	47	37	47	48	34	41	34	30	28	28	31	35	31	940
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	582	54	42	49	52	52	63	59	55	46	42	34	35	27	28	13	15	15	29	34	30	52	1408
412	Bookbinding: Process and Apparatus	41	6	3	4	4	6	7	4	7	10	9	1	1	3	1	0	2	1	3	2	1	0	116
413	Sheet Metal Container Making	17	1	2	0	2	1	2	0	1	1	0	0	2	0	2	4	1	0	0	1	0	0	37
414	Material or Article Handling	2111	125	138	142	142	112	131	144	167	86	113	92	101	62	56	58	49	52	57	67	66	53	4124
415	Rotary Kinetic Fluid Motors or Pumps	396	24	22	22	29	13	13	13	23	30	37	39	31	36	31	36	16	15	33	34	53	38	984
416	Fluid Reaction Surfaces (i.e., Impellers)	424	40	30	36	31	24	17	29	43	36	42	29	35	30	34	29	29	14	26	35	42	46	1101
417	Pumps	1149	76	58	69	69	68	71	74	113	102	103	100	62	26	37	27	21	23	21	53	71	51	2444
418	Rotary Expandible Chamber Devices	370	18	25	22	20	17	17	12	31	27	24	22	14	10	11	6	9	12	15	7	13	13	715
419	Powder Metallurgy Processes	66	1	7	4	7	7	4	5	4	2	4	4	5	2	2	2	2	4	2	5	4	2	145
420	Alloys or Metallic Compositions	132	4	8	6	1	3	2	4	0	1	7	6	3	3	1	1	1	1	2	2	6	0	194
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	788	77	82	106	75	72	89	94	89	91	92	84	62	56	47	51	61	36	85	87	108	96	2428
423	Chemistry of Inorganic Compounds	589	26	30	28	24	17	27	28	24	41	34	36	24	15	23	24	18	13	37	29	41	36	1164
424	Drug, Bio-Affecting and Body Treating Compositions	1404	156	130	147	190	253	307	339	296	369	354	322	207	136	188	156	144	135	208	215	258	299	6213

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	1357	81	83	69	67	57	76	63	65	49	56	47	48	30	47	62	41	37	36	37	40	38	2486
426	Food or Edible Material: Processes, Compositions, and Products	1279	94	88	98	111	107	105	154	159	166	121	98	94	47	52	46	21	24	36	41	74	47	3062
427	Coating Processes	781	38	64	74	58	64	80	73	75	77	58	65	51	24	22	24	29	26	43	40	37	40	1843
428	Stock Material or Miscellaneous Articles	2120	173	181	209	207	214	260	270	244	223	166	214	172	109	93	93	53	59	91	125	128	116	5520
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	321	20	22	35	71	30	29	32	27	28	24	40	16	24	21	15	12	24	31	28	31	40	921
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	326	12	16	23	28	13	23	22	27	25	34	27	25	19	22	14	13	10	23	11	11	10	734
431	Combustion	540	30	41	38	42	25	51	59	61	69	38	62	52	46	31	23	14	23	23	9	14	19	1310
432	Heating	339	9	7	3	2	10	11	15	12	9	11	17	5	4	6	4	3	1	5	1	5	5	484
433	Dentistry	1833	143	157	107	145	133	222	203	154	191	134	113	82	98	142	93	68	30	71	67	101	121	4408
434	Education and Demonstration	1268	130	107	86	107	97	147	136	143	89	101	123	94	88	71	68	46	49	51	69	95	142	3307
435	Chemistry: Molecular Biology and Microbiology	825	89	99	114	126	182	225	252	205	246	175	179	139	121	154	122	100	142	167	154	148	142	4106
436	Chemistry: Analytical and Immunological Testing	356	33	31	29	42	39	53	38	41	43	30	38	30	9	18	35	30	32	36	30	38	29	1060
438	Semiconductor Device Manufacturing: Process	164	20	16	33	24	20	36	52	56	68	66	83	72	44	51	41	61	52	84	59	55	57	1214
439	Electrical Connectors	1317	118	138	120	133	130	175	150	210	194	158	139	177	159	205	167	143	117	131	130	111	95	4417
440	Marine Propulsion	542	53	44	45	48	51	55	50	56	44	40	50	46	45	60	34	40	29	31	30	29	39	1461
441	Buoys, Rafts, and Aquatic Devices	529	40	65	59	51	56	66	50	54	54	59	55	45	55	64	52	40	36	34	29	33	43	1569
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	158	8	13	16	10	9	22	29	20	15	10	8	9	5	5	10	9	8	9	9	8	8	398
445	Electric Lamp or Space Discharge Component or Device Manufacturing	19	2	3	2	1	5	2	9	5	4	3	4	3	3	3	2	1	2	3	4	3	3	86
446	Amusement Devices: Toys	1466	107	122	103	109	79	140	135	181	157	176	172	141	99	68	65	53	39	70	72	45	60	3659
449	Bee Culture	96	0	3	2	1	5	2	1	2	1	3	5	3	1	4	0	3	3	3	4	1	4	147
450	Foundation Garments	124	9	4	11	6	14	20	34	49	37	32	14	18	15	22	20	23	15	20	21	36	32	576
451	Abrading	1066	96	69	73	81	88	80	92	101	121	93	81	96	84	100	53	42	45	36	42	51	64	2654
452	Butchering	515	36	40	31	33	21	17	22	32	31	11	19	15	16	28	23	30	24	17	17	14	17	1009
453	Coin Handling	64	3	4	5	2	4	0	1	4	1	3	2	8	0	2	0	0	2	2	2	2	2	113
454	Ventilation	550	34	42	24	36	34	44	45	41	59	58	47	46	35	31	19	12	15	14	14	18	27	1245
455	Telecommunications	357	25	15	33	54	34	55	60	72	61	68	82	95	82	147	145	98	152	195	166	245	274	2515
460	Crop Threshing or Separating	86	5	4	8	12	1	9	5	8	5	5	2	4	4	4	2	1	2	4	2	3	4	180
462	Books, Strips, and Leaves for Manifolding	49	10	3	5	3	1	1	0	2	4	0	0	0	0	0	1	1	0	0	0	0	0	80
463	Amusement Devices: Games	279	28	40	25	36	28	65	52	63	63	52	58	43	47	39	44	47	24	54	78	151	168	1484
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	159	8	10	11	10	7	10	4	9	23	10	14	9	7	11	3	3	3	2	6	6	7	332

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus	59	6	3	4	2	2	4	4	2	0	3	3	1	1	2	1	1	1	1	4	0	0	104
472	Amusement Devices	266	29	21	22	24	26	47	31	25	21	23	28	19	22	18	12	12	10	27	35	21	26	765
473	Games Using Tangible Projectile	3055	301	386	423	395	363	471	382	324	316	308	310	290	255	299	263	198	196	267	266	266	247	9581
474	Endless Belt Power Transmission Systems or Components	320	24	33	34	23	25	17	14	28	13	19	10	6	7	11	5	8	6	13	9	11	15	651
475	Planetary Gear Transmission Systems or Components	337	26	20	22	25	19	24	35	35	21	22	25	16	25	15	19	22	16	19	14	25	39	821
476	Friction Gear Transmission Systems or Components	39	2	0	4	7	1	2	2	5	2	2	1	2	3	2	1	2	1	3	1	3	1	86
477	Interrelated Power Delivery Controls, Including Engine Control	90	1	4	6	8	6	5	5	4	1	4	6	3	4	7	2	7	4	8	6	4	1	186
482	Exercise Devices	2198	219	249	221	275	281	324	308	304	274	252	262	263	185	310	230	221	246	340	352	183	178	7675
483	Tool Changing	28	0	3	1	1	3	1	6	6	1	4	2	1	0	4	2	3	4	2	0	1	0	73
492	Roll or Roller	50	5	2	8	3	6	5	5	3	1	1	2	3	0	2	0	0	1	2	5	2	0	106
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	342	19	23	17	16	11	30	21	24	11	16	25	15	13	12	7	15	11	7	5	10	12	662
494	Imperforate Bowl: Centrifugal Separators	87	7	8	3	4	5	8	7	6	7	8	2	3	3	2	3	0	4	1	6	5	2	181
501	Compositions: Ceramic	117	6	13	11	12	7	10	11	5	12	12	14	5	6	4	5	6	5	2	3	7	4	277
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making	173	21	9	10	8	8	12	16	18	11	14	4	4	2	5	8	8	7	13	9	13	7	380
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor	27	2	4	0	4	2	4	4	0	2	1	0	3	1	2	3	3	2	5	2	1	3	75
504	Plant Protecting and Regulating Compositions	92	8	5	5	8	11	10	28	14	16	11	9	5	5	4	4	1	5	2	5	6	4	258
505	Superconductor Technology: Apparatus, Material, Process	22	8	6	9	7	8	3	8	6	5	2	3	4	5	1	1	0	3	0	5	2	4	112
506	Combinatorial Chemistry Technology: Method, Library, Apparatus	0	0	0	0	6	2	3	8	9	3	6	11	4	3	1	0	0	4	4	4	3	1	72
507	Earth Boring, Well Treating, and Oil Field Chemistry	48	3	1	1	1	3	7	5	3	1	5	6	11	8	2	1	1	9	7	4	3	2	132
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions	78	7	5	9	8	8	11	13	10	10	7	8	4	2	6	5	2	4	9	5	9	7	227
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	166	11	12	19	22	23	34	41	23	29	30	30	26	12	21	10	13	16	8	23	18	15	602
512	Perfume Compositions	10	0	3	0	0	1	1	1	3	1	1	1	1	0	0	0	1	0	2	0	0	2	28
514	Drug, Bio-Affecting and Body Treating Compositions	1543	117	114	143	181	205	234	266	238	268	240	200	144	125	116	109	80	100	168	159	172	228	5150
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	31	2	2	2	3	4	2	5	4	5	3	7	2	2	2	1	3	4	4	1	1	4	94

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof	7	0	2	2	1	0	1	0	1	4	1	0	2	1	2	3	1	0	0	3	4	7	42
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	237	17	8	16	8	13	17	18	9	15	11	16	5	8	1	3	2	3	1	14	6	4	432
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	21	2	1	6	5	1	2	5	4	2	1	6	3	3	3	1	0	0	2	1	0	1	70
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	197	13	11	16	13	11	20	15	13	14	12	12	6	4	6	7	3	4	13	9	12	18	429
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	330	22	28	26	32	24	40	29	25	22	27	30	18	17	23	13	12	15	20	13	16	22	804
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	227	19	12	13	10	12	15	11	10	14	13	11	9	5	7	13	5	3	6	7	9	6	437
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	102	10	9	1	7	4	9	9	8	14	8	23	8	6	6	2	3	4	4	6	1	7	251
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	25	2	1	3	0	1	1	0	2	0	0	1	1	0	1	0	0	0	0	0	1	1	40
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	187	23	13	11	6	11	15	12	9	14	15	7	7	12	9	13	9	6	6	11	8	9	413
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	207	14	18	13	13	36	46	38	18	40	30	34	32	12	17	25	29	21	32	27	27	22	751
534	Organic Compounds -- Part of the Class 532-570 Series	29	1	1	1	1	2	2	1	0	0	1	1	0	0	0	1	1	0	2	1	0	1	46
536	Organic Compounds -- Part of the Class 532-570 Series	116	11	5	15	24	18	34	31	19	31	20	25	17	14	22	21	13	17	20	24	22	22	541
540	Organic Compounds -- Part of the Class 532-570 Series	55	3	1	3	1	8	2	5	0	3	3	2	3	0	3	2	1	1	1	2	2	3	104
544	Organic Compounds -- Part of the Class 532-570 Series	71	6	6	4	3	2	2	4	3	1	3	3	5	5	5	1	0	0	5	9	4	7	149
546	Organic Compounds -- Part of the Class 532-570 Series	58	7	7	3	8	8	6	6	6	5	3	10	4	6	11	3	11	8	11	10	6	9	206
548	Organic Compounds -- Part of the Class 532-570 Series	74	4	4	5	6	2	4	7	2	2	3	3	2	3	4	4	2	3	6	10	4	4	158
549	Organic Compounds -- Part of the Class 532-570 Series	75	9	3	1	1	7	6	7	5	10	9	4	2	5	6	7	2	2	1	1	4	5	172
552	Organic Compounds -- Part of the Class 532-570 Series	30	0	0	1	0	0	1	2	0	1	1	1	2	0	0	1	0	0	0	1	3	1	45
554	Organic Compounds -- Part of the Class 532-570 Series	48	2	7	4	3	3	4	3	4	6	9	8	4	3	4	5	2	3	0	6	5	6	139
556	Organic Compounds -- Part of the Class 532-570 Series	56	5	2	6	6	6	3	8	3	4	2	9	2	3	1	5	5	1	2	4	3	2	138
558	Organic Compounds -- Part of the Class 532-570 Series	50	3	1	2	5	1	4	4	3	1	2	0	1	0	4	2	0	1	1	3	1	3	92
560	Organic Compounds -- Part of the Class 532-570 Series	74	3	5	6	5	6	4	4	1	7	7	4	3	0	1	3	3	2	3	1	4	4	150
	Organic Compounds -- Part of the Class																							

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
562	532-570 Series	65	9	5	3	4	8	5	4	5	6	6	8	2	2	4	5	2	0	5	2	4	4	158
564	Organic Compounds -- Part of the Class 532-570 Series	59	2	2	10	3	4	3	2	5	10	7	3	2	2	6	4	1	0	3	3	6	3	140
568	Organic Compounds -- Part of the Class 532-570 Series	101	5	5	4	6	3	10	13	6	6	4	7	6	2	3	4	3	2	11	6	1	5	213
570	Organic Compounds -- Part of the Class 532-570 Series	23	0	0	0	1	4	2	3	1	5	0	0	0	0	0	2	0	0	1	2	0	0	44
585	Chemistry of Hydrocarbon Compounds	93	7	1	6	10	8	17	12	8	11	4	8	4	6	5	1	6	4	4	12	8	9	244
588	Hazardous or Toxic Waste Destruction or Containment	113	10	15	17	16	22	18	16	11	5	6	3	2	3	2	2	4	4	3	7	6	7	292
600	Surgery	2218	230	247	269	216	201	374	301	327	267	328	264	178	147	180	128	132	123	171	178	236	288	7003
601	Surgery: Kinesitherapy	636	41	36	60	51	40	73	43	49	69	50	49	45	41	68	66	47	23	33	40	61	59	1680
602	Surgery: Splint, Brace, or Bandage	838	56	62	76	58	71	121	102	109	80	70	95	63	63	69	32	36	45	76	76	62	67	2327
604	Surgery	2817	351	400	335	297	286	360	271	260	242	245	302	196	139	135	101	106	97	192	174	239	235	7780
606	Surgery	1912	252	289	275	310	393	438	433	394	328	277	320	188	149	146	145	82	103	166	189	295	334	7418
607	Surgery: Light, Thermal, and Electrical Application	589	47	47	58	60	43	74	74	84	84	75	75	59	48	45	57	33	28	42	57	76	109	1864
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	969	82	89	78	125	96	116	118	136	157	148	147	136	98	105	71	55	63	91	98	118	134	3230
700	Data Processing: Generic Control Systems or Specific Applications	280	26	36	29	51	35	52	45	45	55	60	84	74	64	77	58	65	50	64	93	96	119	1558
701	Data Processing: Vehicles, Navigation, and Relative Location	127	15	18	28	20	20	30	31	37	67	67	54	48	64	48	46	46	44	65	82	101	129	1187
702	Data Processing: Measuring, Calibrating, or Testing	231	24	29	15	37	37	42	45	39	43	67	83	89	66	77	76	77	55	73	62	81	90	1438
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	25	4	4	4	6	15	15	14	9	12	19	11	9	20	38	25	27	22	30	26	31	40	406
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	101	9	14	12	12	15	35	35	18	37	28	19	23	12	31	26	30	23	43	32	54	53	662
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination	145	33	34	14	31	47	82	144	118	70	75	81	61	114	192	149	196	249	434	407	480	557	3713
706	Data Processing: Artificial Intelligence	27	7	7	14	15	11	36	16	21	19	22	28	21	11	22	16	17	34	70	60	50	48	572
707	Data Processing: Database and File Management or Data Structures	22	8	13	16	14	21	49	56	42	44	56	76	81	55	69	79	73	72	162	136	175	191	1510
708	Electrical Computers: Arithmetic Processing and Calculating	196	22	16	10	18	14	17	17	13	9	14	10	12	10	13	9	9	14	12	15	10	24	484
709	Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring	13	5	1	7	14	9	41	34	46	46	52	44	65	54	75	77	56	108	184	132	122	133	1318
710	Electrical Computers and Digital Data Processing Systems: Input/Output	59	7	6	8	12	15	21	18	23	17	12	23	16	15	21	17	11	27	25	24	17	16	410
	Electrical Computers and Digital																							



Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
711	Processing Systems: Memory	59	7	7	10	13	15	16	11	12	11	10	15	14	13	26	18	28	31	36	34	39	31	456
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)	50	7	3	7	11	12	19	9	4	9	6	5	2	4	10	7	7	11	18	21	11	10	243
713	Electrical Computers and Digital Processing Systems: Support	54	9	11	10	14	18	23	14	21	24	18	16	16	23	45	34	33	46	86	47	60	61	683
714	Error Detection/Correction and Fault Detection/Recovery	95	4	14	15	14	16	20	13	10	19	11	23	24	19	20	38	26	60	58	27	22	13	561
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing	65	14	13	14	14	25	35	38	24	40	23	29	30	32	64	49	35	37	87	48	63	92	871
716	Computer-Aided Design and Analysis of Circuits and Semiconductor Masks	4	0	2	2	3	4	6	4	2	13	16	22	18	10	23	28	26	30	45	13	19	22	312
717	Data Processing: Software Development, Installation, and Management	11	0	4	6	7	5	7	16	12	14	11	7	10	10	9	12	14	16	36	26	30	32	295
718	Electrical Computers and Digital Processing Systems: Virtual Machine Task or Process Management or Task Management/Control	3	1	2	5	1	2	6	3	5	2	0	0	1	3	2	2	5	6	3	10	7	8	77
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)	1	1	0	2	1	1	4	0	2	2	4	6	3	2	6	0	4	6	14	6	7	4	76
720	Dynamic Optical Information Storage or Retrieval	11	0	0	3	3	1	5	4	5	2	6	7	7	8	6	1	7	7	4	6	4	0	97
725	Interactive Video Distribution Systems	72	3	10	7	18	9	16	24	12	19	12	11	11	6	12	8	7	15	32	37	45	47	433
726	Information Security	19	0	5	2	3	4	11	15	16	15	11	11	13	17	31	20	15	33	41	46	60	103	491
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	14	2	3	5	2	8	27	24	13	14	18	14	16	15	16	15	20	12	18	12	14	19	301
850	Scanning-Probe Techniques or Apparatus; Applications of Scanning-Probe Techniques, e.g., Scanning Probe Microscopy [Spm]	10	1	2	1	6	3	3	2	1	1	0	4	3	1	0	0	0	0	2	2	3	3	48
D01	Edible Products	96	12	13	8	17	19	20	24	25	28	14	7	26	12	13	13	22	20	19	22	14	26	470
D02	Apparel and Haberdashery	1053	149	156	165	175	167	275	232	184	144	193	168	150	120	159	208	271	297	354	301	333	315	5569
D03	Travel Goods and Personal Belongings	1450	219	217	203	206	200	267	288	249	227	214	212	185	166	262	231	243	235	282	242	261	287	6346
D04	Brushware	317	57	39	62	62	43	62	46	76	72	88	52	31	26	52	30	60	27	49	31	37	39	1358
D05	Textile or Paper Yard Goods; Sheet Material	56	5	2	6	2	9	9	6	14	18	5	16	9	5	12	11	16	10	11	15	32	11	280
D06	Furnishings	4269	542	433	577	531	478	612	570	648	588	622	520	408	308	428	593	479	483	462	429	556	453	14989
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified	1964	254	241	231	313	202	281	243	318	295	226	288	263	190	347	322	351	321	373	309	372	448	8152
D08	Tools and Hardware	2709	386	354	404	356	305	454	394	482	363	310	422	376	250	399	450	485	415	385	305	371	309	10684
D09	Packages and Containers for Goods	1059	128	129	131	141	142	135	131	165	169	137	168	114	104	141	168	190	197	201	156	175	195	4276

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
D10	Measuring, Testing, or Signalling Instruments	1478	241	244	238	171	160	240	235	202	179	177	143	157	131	152	184	213	158	135	119	110	91	5158
D11	Jewelry, Symbolic Insignia, and Ornaments	1508	145	163	171	153	161	185	176	202	213	210	166	164	153	198	215	251	200	204	191	221	197	5447
D12	Transportation	1999	254	251	234	299	244	338	254	333	247	221	253	285	237	277	317	331	314	291	213	243	276	7711
D13	Equipment for Production, Distribution, or Transformation of Energy	370	53	55	64	47	60	68	96	100	92	99	100	55	37	82	85	119	108	66	85	100	119	2060
D14	Recording, Communication, or Information Retrieval Equipment	947	139	115	147	151	148	177	166	218	168	168	177	159	89	154	169	166	167	174	168	187	267	4421
D15	Machines Not Elsewhere Specified	810	101	62	116	78	65	87	55	67	59	57	77	79	58	103	131	89	94	107	75	100	135	2605
D16	Photography and Optical Equipment	387	43	53	42	75	58	75	70	94	48	58	86	47	45	46	87	71	79	67	73	67	69	1740
D17	Musical Instruments	334	28	27	25	19	19	33	35	22	35	20	32	21	18	38	22	47	26	36	34	29	44	944
D18	Printing and Office Machinery	237	21	13	11	18	12	17	17	25	16	24	20	12	11	43	27	27	39	10	18	3	15	636
D19	Office Supplies; Artists' and Teachers' Materials	909	118	118	138	94	112	144	119	133	124	91	106	110	87	83	97	144	91	65	104	73	69	3129
D20	Sales and Advertising Equipment	385	56	56	57	40	75	85	66	64	54	22	70	55	35	41	47	34	47	55	64	89	88	1585
D21	Games, Toys, and Sports Goods	3791	386	436	427	379	385	557	405	455	434	341	299	273	260	354	314	358	273	291	321	291	346	11376
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment	813	89	96	103	114	81	86	111	92	86	100	93	72	71	108	115	88	109	122	134	133	164	2980
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment	1607	145	201	205	154	155	212	211	256	196	197	204	192	193	251	230	278	179	233	198	156	220	5873
D24	Medical and Laboratory Equipment	1436	184	188	188	186	178	213	192	200	233	190	163	108	84	145	213	214	204	312	243	184	249	5507
D25	Building Units and Construction Elements	878	78	105	84	93	109	115	128	137	115	139	126	124	107	80	130	122	116	159	89	117	107	3258
D26	Lighting	825	84	129	136	175	146	209	162	253	311	261	249	199	135	228	283	288	233	203	222	170	197	5098
D27	Tobacco and Smokers' Supplies	223	7	14	18	19	17	44	49	34	35	34	36	35	35	57	57	40	22	31	19	21	40	887
D28	Cosmetic Products and Toilet Articles	722	66	86	75	74	91	89	84	160	134	93	102	98	61	77	63	71	80	90	109	103	68	2596
D29	Equipment for Safety, Protection, and Rescue	277	46	49	62	59	46	41	47	55	31	52	40	40	23	40	75	65	56	42	57	81	62	1346
D30	Animal Husbandry	648	88	83	77	83	92	69	74	119	61	59	64	61	68	86	78	106	86	120	106	129	118	2475
D32	Washing, Cleaning, or Drying Machine	480	54	82	89	70	85	86	67	64	49	57	68	40	31	50	88	85	64	70	67	76	93	1915
D34	Material or Article Handling Equipment	646	115	94	98	65	56	101	70	79	68	67	83	58	34	119	121	66	82	64	89	81	66	2322
D99	Miscellaneous	208	34	28	42	29	37	39	33	38	54	30	62	44	27	36	29	19	14	45	28	31	30	937
PLT	Plants	1308	101	97	78	83	91	124	101	91	125	261	232	156	105	199	163	268	270	231	187	213	168	4652
ALL	ALL CLASSES	265603	21042	21804	22220	22852	21948	28126	27823	28133	26857	25399	24578	21809	18076	21543	19455	18369	17727	22123	20466	22375	24084	742412

## Part II, Patent Counts By Class By Year - Independent Inventors Patent Counts Based on ORIGINAL and CROSS-REFERENCE Classifications with Duplicate Patents Eliminated Within Classes

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

*PART II, Patent Counts By Class By Year, Independent Inventor Patents, Breakout by U.S. Patent Classification System Class.  
 Patent Counts Based on ORIGINAL and CROSS-REFERENCE Patent Classifications are presented.  
 Duplicate patent counts are eliminated within each class.  
 Patents Granted: 01/01/1977 - 12/31/2013*

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
001	** Classification Undetermined **	7	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	11
002	Apparel	3067	254	268	272	363	400	472	549	472	456	390	278	299	246	274	193	165	132	249	262	258	272	9591
004	Baths, Closets, Sinks, and Spitoons	2740	247	271	217	204	225	271	347	277	273	299	253	222	168	176	160	135	86	159	190	216	167	7303
005	Beds	2945	244	244	243	281	262	294	292	298	253	222	234	244	230	209	143	168	168	199	185	196	224	7778
007	Compound Tools	494	62	56	38	51	41	53	51	63	67	45	38	48	37	47	47	18	20	28	25	27	33	1389
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	375	26	26	24	28	21	28	35	31	27	18	25	13	13	12	15	11	10	17	11	16	6	788
012	Boot and Shoe Making	165	8	8	6	4	6	9	18	8	10	4	9	8	8	7	6	6	3	5	10	8	6	322
014	Bridges	247	13	16	26	27	19	15	24	21	11	24	22	28	21	22	22	16	14	16	19	21	23	667
015	Brushing, Scrubbing, and General Cleaning	3700	252	298	290	317	267	362	404	414	328	290	283	217	167	158	178	175	158	203	195	213	247	9116
016	Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, Etc.)	1441	97	126	113	159	136	181	151	141	142	180	148	131	104	100	86	61	77	106	91	86	114	3971
019	Textiles: Fiber Preparation	206	8	17	17	8	12	9	16	13	16	18	5	2	0	4	5	4	4	4	5	3	4	380
023	Chemistry: Physical Processes	70	0	6	3	1	1	4	1	4	2	3	2	1	0	1	2	0	2	2	2	3	4	114
024	Buckles, Buttons, Clasps, Etc.	2901	185	202	201	224	240	244	240	240	243	217	240	163	121	151	125	114	108	143	137	168	178	6785
026	Textiles: Cloth Finishing	95	4	3	5	7	7	4	6	5	4	4	0	1	0	2	3	1	2	4	0	5	0	162
027	Undertaking	114	8	11	11	5	16	16	13	9	15	11	18	7	3	9	18	17	13	17	22	19	18	390
028	Textiles: Manufacturing	205	13	10	14	13	13	11	15	15	8	7	5	13	6	6	6	3	4	4	2	2	5	380
029	Metal Working	4246	284	247	240	224	252	232	224	257	259	258	238	223	192	221	178	124	127	161	196	235	222	8840
030	Cutlery	2720	180	192	184	209	167	218	232	220	197	201	190	177	130	136	116	70	81	101	105	97	120	6043
033	Geometrical Instruments	3228	185	184	230	192	151	206	170	205	205	189	206	216	208	165	171	144	161	170	160	128	114	6988
034	Drying and Gas or Vapor Contact with Solids	1192	89	79	77	69	71	79	103	107	71	67	51	52	49	46	34	43	19	27	36	53	30	2444
036	Boots, Shoes, and Leggings	1302	90	92	100	96	113	173	149	128	117	105	107	107	83	83	77	73	65	112	77	85	93	3427

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
037	Excavating	919	65	41	50	62	53	65	80	78	63	75	54	51	47	47	28	24	48	66	39	42	36	2033
038	Textiles: Ironing or Smoothing	244	14	17	12	19	15	14	23	20	19	12	9	19	11	8	21	9	11	14	3	10	19	543
040	Card, Picture, or Sign Exhibiting	2980	231	259	246	232	232	259	295	312	305	289	289	251	191	189	180	165	152	159	172	147	149	7684
042	Firearms	1198	79	102	108	90	100	108	99	69	103	126	140	114	84	77	86	81	79	112	126	159	135	3375
043	Fishing, Trapping, and Vermin Destroying	3186	242	262	188	251	164	167	307	251	187	218	240	202	156	153	119	123	133	162	115	126	127	7079
044	Fuel and Related Compositions	359	18	19	16	16	11	13	19	29	23	19	19	18	14	12	9	13	20	19	16	21	24	727
047	Plant Husbandry	1654	124	143	143	135	103	150	137	168	139	136	126	73	86	87	56	50	64	116	69	109	118	3986
048	Gas: Heating and Illuminating	365	4	10	14	6	5	8	11	12	8	3	8	10	9	10	9	4	12	13	17	19	16	573
049	Movable or Removable Closures	1512	70	92	108	127	104	104	120	127	111	99	85	94	69	87	56	37	50	65	33	81	100	3331
051	Abrasive Tool Making Process, Material, or Composition	183	18	15	14	10	22	7	7	11	6	9	7	8	5	3	6	6	5	5	8	11	11	377
052	Static Structures (e.g., Buildings)	7190	451	494	479	579	587	701	643	630	686	607	564	505	419	376	285	270	337	506	459	524	610	17902
053	Package Making	1366	79	70	91	93	83	98	94	81	77	66	68	77	70	47	39	57	57	52	50	48	50	2813
054	Harness for Working Animal	246	19	22	20	15	11	26	14	30	25	33	38	25	13	26	23	26	17	10	10	18	11	678
055	Gas Separation	1232	91	49	71	72	55	90	93	80	85	71	67	76	49	50	46	41	46	51	57	45	54	2571
056	Harvesters	1454	95	94	118	96	54	84	100	95	70	77	64	60	68	53	27	38	36	53	40	49	38	2863
057	Textiles: Spinning, Twisting, and Twining	491	41	39	16	13	25	36	25	14	22	12	7	11	3	6	4	5	6	3	11	3	5	798
059	Chain, Staple, and Horseshoe Making	170	6	13	13	8	14	5	11	8	8	8	14	10	15	11	9	8	7	4	2	8	6	358
060	Power Plants	2483	121	101	95	89	93	130	118	116	132	123	108	120	113	151	95	75	79	107	124	102	160	4835
062	Refrigeration	2403	189	188	165	174	154	202	196	212	241	240	208	164	119	128	139	97	79	125	112	100	120	5755
063	Jewelry	422	39	25	49	39	47	39	38	41	33	42	47	34	28	35	31	35	18	24	18	34	40	1158
065	Glass Manufacturing	346	20	17	15	8	11	15	25	13	17	26	19	16	15	10	9	8	7	3	8	6	5	619
066	Textiles: Knitting	288	16	10	14	16	16	21	17	25	23	16	8	12	14	13	7	4	11	13	13	6	10	573
068	Textiles: Fluid Treating Apparatus	356	20	20	29	25	14	26	24	25	21	27	22	10	7	5	5	14	8	9	7	10	5	689
069	Leather Manufactures	67	0	1	1	2	1	2	0	1	2	2	2	2	1	0	1	1	1	2	0	1	0	90
070	Locks	2094	155	153	167	161	165	220	224	170	128	178	163	141	125	105	97	94	88	71	77	77	88	4941
071	Chemistry: Fertilizers	288	14	17	20	18	25	23	24	17	25	32	24	16	9	7	6	9	8	18	18	18	19	655
072	Metal Deforming	1666	78	73	63	80	91	107	101	96	79	60	64	62	53	94	78	48	46	40	36	66	38	3119
073	Measuring and Testing	4792	285	292	305	337	270	335	310	275	287	304	315	271	239	253	234	259	191	188	187	209	207	10345
074	Machine Element or Mechanism	3197	196	197	185	210	183	200	226	196	171	151	137	112	95	108	110	67	79	75	75	90	104	6164
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	499	22	32	32	20	20	29	23	19	37	34	23	17	8	12	11	9	12	17	10	14	19	919
076	Metal Tools and Implements, Making	383	21	14	22	17	27	15	16	26	13	12	10	7	7	9	6	5	10	1	6	8	9	644
079	Button Making	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3
081	Tools	2281	183	179	143	186	149	190	256	300	317	252	191	213	230	273	223	153	89	118	119	131	186	6362

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
082	Turning	459	19	22	10	22	30	35	26	19	28	21	38	21	18	16	11	7	4	15	14	9	10	854
083	Cutting	2418	141	123	102	115	102	136	147	138	119	83	120	134	84	103	84	53	57	71	67	58	71	4526
084	Music	1942	111	128	146	162	118	167	189	196	184	148	150	132	106	146	161	168	194	230	178	190	186	5332
086	Ammunition and Explosive-Charge Making	143	13	7	6	2	4	8	3	6	4	8	7	3	6	8	4	2	14	12	4	1	9	274
087	Textiles: Braiding, Netting, and Lace Making	62	7	5	0	5	7	5	9	3	3	6	5	5	1	3	5	2	1	2	1	1	3	141
089	Ordnance	544	49	43	49	34	47	46	48	37	54	53	59	57	55	45	50	55	47	69	80	102	93	1716
091	Motors: Expansible Chamber Type	889	42	40	19	21	26	25	18	20	20	15	19	17	9	14	16	10	9	6	6	7	8	1256
092	Expansible Chamber Devices	952	49	59	46	38	25	40	36	38	40	38	32	18	19	15	25	17	17	15	18	15	15	1567
095	Gas Separation: Processes	515	46	30	41	51	46	37	47	32	51	50	41	29	40	27	19	31	21	41	52	55	60	1362
096	Gas Separation: Apparatus	967	65	41	41	56	54	56	74	57	75	74	49	61	52	49	47	43	37	59	50	55	60	2122
099	Foods and Beverages: Apparatus	1970	144	147	179	173	182	215	212	223	231	156	136	132	98	116	72	73	51	94	80	118	115	4917
100	Presses	1089	78	75	67	57	75	72	51	43	37	28	34	30	23	40	30	39	33	15	24	18	34	1992
101	Printing	1036	67	78	84	53	55	83	64	69	71	54	57	66	38	55	27	20	25	23	30	23	24	2102
102	Ammunition and Explosives	530	44	37	43	24	30	31	37	18	46	41	43	39	36	37	36	31	34	30	44	49	40	1300
104	Railways	649	33	32	47	36	41	39	34	26	34	42	43	35	29	21	12	22	33	26	30	30	33	1327
105	Railway Rolling Stock	499	28	21	24	26	22	26	13	20	27	18	19	13	18	15	12	10	11	14	19	16	14	885
106	Compositions: Coating or Plastic	1064	82	95	76	66	73	83	78	69	69	63	79	67	38	38	41	28	27	47	49	54	41	2327
108	Horizontally Supported Planar Surfaces	1622	89	128	125	145	143	161	146	189	145	124	122	128	85	91	58	69	74	72	77	112	107	4012
109	Safes, Bank Protection, or a Related Device	300	16	15	14	11	17	22	21	18	6	22	12	6	9	10	10	12	8	14	10	10	15	578
110	Furnaces	875	62	76	44	41	34	44	37	37	36	31	21	20	21	25	8	19	15	18	18	27	14	1523
111	Planting	451	18	27	32	36	27	22	29	33	42	25	30	21	20	26	9	19	26	26	17	13	27	976
112	Sewing	523	26	22	27	31	29	46	43	35	40	31	18	24	22	24	14	15	12	13	12	18	15	1040
114	Ships	2927	199	199	182	198	191	212	221	233	193	179	191	150	209	207	166	136	131	122	132	146	104	6628
116	Signals and Indicators	1447	98	118	95	110	93	85	118	117	97	94	85	84	64	79	61	65	56	64	50	56	47	3183
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	130	5	8	13	7	6	16	9	12	9	5	7	6	3	6	11	17	8	6	8	11	10	313
118	Coating Apparatus	1173	76	84	79	67	77	94	92	71	73	63	61	59	35	43	26	27	29	36	41	23	37	2366
119	Animal Husbandry	2488	212	222	202	237	227	342	290	276	257	312	303	232	211	236	200	140	133	184	205	206	206	7321
122	Liquid Heaters and Vaporizers	695	22	38	22	27	21	28	31	27	29	16	34	21	18	17	12	13	18	19	15	16	11	1150
123	Internal-Combustion Engines	3441	181	178	165	178	160	194	182	162	231	176	182	170	156	180	160	148	123	143	127	131	152	6920
124	Mechanical Guns and Projectors	917	79	82	91	87	105	82	72	73	76	75	98	101	69	72	66	56	61	100	69	83	73	2587
125	Stone Working	267	15	13	14	13	20	15	16	26	21	15	22	27	25	29	16	14	8	10	6	9	14	615
126	Stoves and Furnaces	4298	157	145	137	150	124	152	176	183	151	94	126	117	103	71	41	32	53	79	101	96	107	6693
127	Sugar, Starch, and Carbohydrates	86	5	7	8	5	4	7	10	6	5	6	2	3	2	2	3	1	0	5	7	3	6	183

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
128	Surgery	3044	298	369	368	374	345	437	369	372	327	296	312	266	225	235	157	129	122	176	196	213	193	8823
131	Tobacco	559	10	20	22	27	29	51	43	42	18	22	24	29	10	12	10	6	12	13	17	24	32	1032
132	Toilet	1180	97	115	102	129	127	200	247	181	133	108	103	78	38	70	84	57	48	49	77	102	102	3427
134	Cleaning and Liquid Contact with Solids	1444	109	110	137	125	104	140	182	158	132	133	104	80	68	58	58	53	58	61	79	56	83	3532
135	Tent, Canopy, Umbrella, or Cane	1032	109	139	101	128	133	137	121	132	161	119	119	126	105	81	105	100	89	100	112	92	129	3470
136	Batteries: Thermoelectric and Photoelectric	492	19	22	24	26	24	26	18	27	22	23	17	24	16	14	10	2	20	24	42	56	50	998
137	Fluid Handling	4816	311	335	264	259	266	309	365	372	359	236	238	208	206	213	174	139	119	176	129	180	215	9889
138	Pipes and Tubular Conduits	1365	74	75	76	74	58	81	112	101	86	82	64	62	50	48	34	35	51	47	47	48	56	2726
139	Textiles: Weaving	274	12	15	23	15	11	15	12	12	12	9	1	15	8	10	2	3	3	8	4	7	8	479
140	Wireworking	244	8	13	12	12	10	15	17	12	13	5	9	6	11	14	8	4	6	3	8	3	14	447
141	Fluent Material Handling, with Receiver or Receiver Coacting Means	1372	102	115	120	124	98	108	140	129	129	116	94	115	91	71	69	48	53	77	75	67	79	3392
142	Wood Turning	51	2	3	4	3	5	3	6	4	2	0	5	0	0	2	1	0	1	0	2	0	0	94
144	Woodworking	1404	74	82	72	68	82	82	96	89	81	83	84	60	44	66	49	37	41	50	56	27	20	2747
147	Coopering	5	0	0	1	0	1	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	10
148	Metal Treatment	398	32	39	29	16	23	26	26	30	39	36	44	36	13	11	8	13	14	12	10	16	22	893
149	Explosive and Thermic Compositions or Charges	102	4	5	3	8	5	7	2	2	3	1	4	3	5	2	0	0	2	3	5	6	5	177
150	Purses, Wallets, and Protective Covers	433	45	43	46	57	52	63	66	76	74	57	45	39	30	34	28	31	28	29	24	38	27	1365
152	Resilient Tires and Wheels	468	29	34	19	24	20	27	29	28	27	25	36	22	25	30	21	14	16	21	17	25	19	976
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	3133	189	205	225	184	176	238	232	205	230	188	190	162	98	103	95	70	69	115	120	115	127	6469
157	Wheelwright Machines	124	6	4	5	6	3	4	5	7	8	3	3	2	8	5	5	6	4	3	4	7	5	227
159	Concentrating Evaporators	220	14	11	14	7	11	15	9	5	7	13	6	11	9	7	3	8	9	10	11	9	10	419
160	Flexible or Portable Closure, Partition, or Panel	1429	111	105	129	138	126	150	148	174	144	132	125	113	91	90	81	65	61	85	68	99	88	3752
162	Paper Making and Fiber Liberation	347	27	26	21	24	28	29	20	21	27	14	17	10	10	11	13	11	17	9	12	16	14	724
163	Needle and Pin Making	5	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	8
164	Metal Founding	657	32	34	25	34	23	28	16	11	31	41	30	14	17	20	8	12	6	10	17	15	13	1094
165	Heat Exchange	2427	99	118	103	107	67	125	115	103	143	107	94	127	82	95	70	58	42	61	58	70	57	4328
166	Wells	1380	89	107	91	89	76	111	90	118	153	102	106	92	73	102	102	99	79	130	101	112	119	3521
168	Farriery	108	11	5	2	6	8	7	5	12	9	11	10	7	9	3	7	6	12	7	0	5	4	254
169	Fire Extinguishers	392	26	24	19	38	41	41	58	54	39	42	31	25	27	28	24	15	20	27	19	18	23	1031
171	Unearthing Plants or Buried Objects	130	10	13	4	3	2	5	5	6	3	5	1	2	3	6	0	1	2	5	0	0	3	209
172	Earth Working	1466	64	67	95	82	67	97	84	89	75	68	62	46	49	49	17	18	32	43	37	40	32	2679
173	Tool Driving or Impacting	631	24	31	30	34	23	41	36	46	30	24	39	39	30	27	27	22	14	21	18	25	15	1227
174	Electricity: Conductors and Insulators	1269	90	90	76	90	87	147	133	108	155	160	125	141	144	129	96	99	110	105	90	79	87	3610

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
175	Boring or Penetrating the Earth	1237	61	61	73	68	48	74	67	69	72	67	76	57	52	65	78	71	70	94	62	69	59	2650
177	Weighing Scales	445	26	16	16	11	20	30	19	18	19	22	26	22	11	14	25	15	19	12	9	9	21	825
178	Telegraphy	110	6	4	4	11	5	9	6	8	4	6	7	0	4	2	4	3	4	3	7	7	17	231
180	Motor Vehicles	2073	114	146	141	150	118	142	164	146	138	168	149	122	144	144	129	127	112	156	137	138	184	5042
181	Acoustics	933	69	52	44	47	51	66	79	79	53	63	63	46	48	30	27	41	50	40	66	56	56	2059
182	Fire Escape, Ladder, or Scaffold	1880	99	134	101	112	111	154	166	152	100	124	113	142	105	117	96	50	41	62	73	95	101	4128
184	Lubrication	445	37	39	53	55	28	35	41	40	46	30	25	22	19	17	14	11	6	12	7	12	10	1004
185	Motors: Spring, Weight, or Animal Powered	86	2	1	1	4	5	2	4	6	5	5	4	2	5	1	1	1	2	3	2	2	3	147
186	Merchandising	76	4	3	11	7	6	5	8	4	5	6	3	6	0	4	2	0	1	2	4	0	2	159
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	316	28	37	25	30	27	24	36	25	21	26	25	13	12	21	25	16	14	17	18	31	13	800
188	Brakes	1295	79	97	98	104	85	111	108	110	91	115	75	67	65	66	47	48	39	41	45	37	57	2880
190	Trunks and Hand-Carried Luggage	444	40	36	48	58	49	50	55	43	50	52	45	24	26	22	23	23	23	22	25	28	39	1225
191	Electricity: Transmission To Vehicles	136	5	12	8	6	10	9	9	14	21	18	10	6	9	5	4	3	5	1	7	4	6	308
192	Clutches and Power-Stop Control	747	34	40	31	67	46	32	59	49	44	36	38	30	28	30	19	18	12	18	10	16	20	1424
193	Conveyors, Chutes, Skids, Guides, and Ways	280	19	10	16	11	9	10	11	17	18	19	9	5	5	12	8	10	6	9	8	3	13	508
194	Check-Actuated Control Mechanisms	259	18	14	21	23	16	12	17	10	15	9	11	8	4	8	6	4	5	10	5	4	2	481
196	Mineral Oils: Apparatus	56	2	4	4	3	1	9	8	1	6	3	1	1	1	0	1	0	0	2	0	1	5	109
198	Conveyors: Power-Driven	1939	111	117	84	76	76	89	82	101	103	104	80	72	55	60	52	59	42	63	52	41	56	3514
200	Electricity: Circuit Makers and Breakers	1789	93	95	92	96	93	118	103	80	64	81	72	77	61	61	68	51	42	46	44	45	35	3306
201	Distillation: Processes, Thermolytic	165	3	6	7	3	3	5	4	4	3	3	3	4	1	5	1	2	4	8	6	8	12	260
202	Distillation: Apparatus	504	21	19	21	16	21	23	18	21	10	20	12	12	8	12	5	11	13	18	17	21	22	845
203	Distillation: Processes, Separatory	490	39	25	52	19	30	40	28	18	12	24	11	8	10	8	2	8	10	13	12	14	20	893
204	Chemistry: Electrical and Wave Energy	1323	88	94	117	86	88	92	75	103	135	84	73	74	50	38	36	55	30	57	53	76	70	2897
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	694	51	63	54	42	39	51	42	47	68	52	30	37	21	26	31	21	20	27	28	52	48	1544
206	Special Receptacle or Package	5395	494	457	448	431	441	627	590	582	494	416	394	333	296	250	249	240	234	300	295	330	355	13651
208	Mineral Oils: Processes and Products	344	12	15	15	26	12	18	30	15	19	11	14	9	4	10	7	10	11	16	13	18	22	651
209	Classifying, Separating, and Assorting Solids	1195	97	74	65	53	57	59	72	59	50	54	37	40	40	37	25	28	31	34	34	26	50	2217
210	Liquid Purification or Separation	4412	372	325	334	368	343	367	399	368	420	337	306	273	252	241	235	221	210	271	251	254	210	10769
211	Supports: Racks	2751	221	214	196	262	220	300	287	284	238	216	222	180	166	159	123	99	103	119	186	148	191	6885
212	Traversing Hoists	385	19	17	23	25	19	25	28	34	22	25	23	15	18	12	17	21	14	17	15	10	14	798
213	Railway Draft Appliances	51	0	2	0	2	0	2	1	3	4	2	1	5	2	5	1	1	1	2	3	1	2	91
215	Bottles and Jars	1410	92	87	103	90	96	101	112	121	96	88	73	64	55	49	40	34	50	63	62	85	89	3060

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
216	Etching a Substrate: Processes	210	11	21	24	11	10	17	14	13	18	23	23	27	11	15	10	18	9	7	10	8	12	522
217	Wooden Receptacles	169	9	8	4	5	6	7	4	7	6	4	5	1	3	3	1	3	1	7	2	4	2	261
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices	40	3	3	1	6	1	1	1	3	4	0	0	2	0	1	0	0	1	0	0	2	4	73
219	Electric Heating	2614	167	154	169	153	148	206	200	257	191	172	164	182	134	152	111	73	77	92	85	110	114	5725
220	Receptacles	4229	414	368	346	389	328	417	437	429	390	350	319	274	222	241	195	179	203	247	252	314	372	10915
221	Article Dispensing	1010	70	78	65	76	49	81	76	72	77	102	87	61	52	66	40	43	42	51	48	44	53	2343
222	Dispensing	3911	293	325	292	296	250	291	383	308	308	283	206	231	214	221	145	131	110	168	141	178	203	8888
223	Apparel Apparatus	590	30	29	32	47	64	51	60	75	64	36	24	39	24	29	39	30	13	33	26	33	32	1400
224	Package and Article Carriers	2817	266	267	290	308	303	335	347	314	297	248	241	214	138	130	136	76	96	158	139	171	177	7468
225	Severing by Tearing or Breaking	332	14	17	15	22	10	22	23	23	11	16	27	17	19	14	14	11	12	14	5	7	15	660
226	Advancing Material of Indeterminate Length	435	17	10	18	14	14	17	14	10	11	7	4	6	4	4	5	5	1	3	3	6	3	611
227	Elongated-Member-Driving Apparatus	482	37	31	33	26	36	30	35	37	28	41	37	37	35	28	22	11	17	16	19	9	14	1061
228	Metal Fusion Bonding	686	43	30	42	39	32	26	41	42	43	34	39	33	25	17	9	10	16	16	19	14	15	1271
229	Envelopes, Wrappers, and Paperboard Boxes	1286	105	98	95	78	85	115	106	107	104	83	73	37	57	45	43	27	20	45	46	34	34	2723
231	Whips and Whip Apparatus	20	0	1	0	0	1	0	1	3	0	1	1	2	1	1	1	3	2	2	1	1	0	42
232	Deposit and Collection Receptacles	401	27	18	39	23	29	19	30	24	21	14	20	24	22	32	41	30	20	14	14	13	16	891
234	Selective Cutting (e.g., Punching)	12	0	0	0	0	0	2	1	0	1	0	0	1	0	1	0	1	1	1	0	0	0	21
235	Registers	931	54	67	93	84	76	80	118	120	73	100	129	128	89	138	131	118	100	139	132	144	160	3204
236	Automatic Temperature and Humidity Regulation	720	27	38	29	20	18	25	25	39	24	32	25	22	20	21	18	21	11	20	22	22	27	1226
237	Heating Systems	788	24	20	12	18	15	14	30	29	23	15	20	18	9	10	8	3	8	4	9	7	8	1092
238	Railways: Surface Track	215	13	9	15	20	10	22	12	12	15	13	14	10	8	8	5	6	2	9	9	8	12	447
239	Fluid Sprinkling, Spraying, and Diffusing	2962	202	252	168	139	191	249	265	292	221	214	205	181	146	168	112	114	93	152	137	118	149	6730
241	Solid Material Comminution or Disintegration	1213	128	107	99	96	83	95	116	87	59	74	85	61	52	64	70	58	79	72	86	74	69	2927
242	Winding, Tensioning, or Guiding	1969	112	115	97	114	118	128	156	133	122	142	125	84	85	86	70	99	63	74	60	56	60	4068
244	Aeronautics and Astronautics	1408	103	87	67	81	59	107	110	120	119	129	122	113	91	99	72	53	71	78	101	110	124	3424
245	Wire Fabrics and Structure	18	3	2	1	2	2	0	3	1	1	1	0	2	2	2	1	1	0	0	0	1	2	45
246	Railway Switches and Signals	86	8	7	14	6	9	15	8	16	16	15	16	9	5	5	9	9	8	10	9	10	5	295
248	Supports	6998	569	577	548	604	551	749	673	741	651	659	607	508	397	411	413	315	400	493	418	418	455	18155
249	Static Molds	978	44	57	35	45	61	60	51	49	50	49	42	33	30	39	29	12	20	23	25	25	34	1791
250	Radiant Energy	2194	146	124	173	148	153	175	169	141	142	138	170	154	109	155	133	130	130	153	135	134	148	5254
251	Valves and Valve Actuation	2184	141	153	138	117	107	124	138	147	136	100	98	92	111	111	74	63	53	66	63	83	87	4386
252	Compositions	949	46	49	64	80	68	66	75	72	74	74	62	57	33	34	36	22	25	41	52	57	45	2081
	Implements or Apparatus for Applying																							



Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
254	Pushing or Pulling Force	1650	114	96	102	89	101	95	132	137	124	106	119	105	98	110	89	77	60	89	71	96	115	3775
256	Fences	611	34	53	52	54	61	55	64	57	52	51	72	63	53	44	33	42	39	34	28	33	41	1626
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	833	76	111	132	119	130	162	175	176	238	241	247	236	174	206	166	185	137	199	144	130	161	4378
258	Railway Mail Delivery	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6
260	Chemistry of Carbon Compounds	60	1	1	0	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	66
261	Gas and Liquid Contact Apparatus	1535	59	58	62	57	57	59	52	60	65	52	43	47	37	30	35	29	45	30	36	53	39	2540
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	3273	260	250	209	226	202	269	234	225	206	196	193	159	100	120	94	49	73	117	113	107	110	6785
266	Metallurgical Apparatus	500	19	22	30	19	26	21	17	29	17	19	19	23	7	8	8	8	17	13	9	17	19	867
267	Spring Devices	687	33	43	38	42	28	37	45	27	30	44	27	31	19	28	24	24	20	13	12	20	23	1295
269	Work Holders	1638	96	95	73	109	77	106	113	109	92	86	95	77	50	68	51	32	36	44	59	81	86	3273
270	Sheet-Material Associating	136	6	9	5	5	3	7	3	9	4	3	4	5	9	3	3	3	0	5	6	0	2	230
271	Sheet Feeding or Delivering	508	33	19	29	21	11	19	18	20	14	16	13	9	10	10	7	6	8	13	9	6	8	807
273	Amusement Devices: Games	3938	295	359	325	302	303	371	322	287	297	303	290	207	162	183	176	155	151	167	141	147	189	9070
277	Seal for a Joint or Juncture	805	36	50	41	45	38	29	38	30	58	57	34	36	30	22	25	15	14	20	20	22	26	1491
278	Land Vehicles: Animal Draft Appliances	3	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	7
279	Chucks or Sockets	615	28	34	31	30	24	34	44	23	39	17	25	10	29	14	17	13	18	19	12	12	13	1101
280	Land Vehicles	6161	495	565	515	518	392	600	576	652	620	628	530	495	441	450	440	390	358	433	395	466	506	16626
281	Books, Strips, and Leaves	589	57	47	58	49	59	73	79	65	43	46	31	26	24	26	13	10	13	16	8	15	11	1358
283	Printed Matter	796	89	85	73	67	66	102	116	101	79	56	45	34	36	31	25	16	11	22	31	22	26	1929
285	Pipe Joints or Couplings	1927	116	134	109	95	96	121	156	110	105	97	103	84	67	70	64	79	51	70	46	62	64	3826
289	Knots and Knot Tying	106	3	4	7	7	12	5	8	7	12	8	6	6	5	5	2	3	6	4	6	9	7	238
290	Prime-Mover Dynamo Plants	668	10	24	30	13	18	34	23	36	37	32	22	69	64	79	73	90	82	109	141	166	185	2005
291	Track Sanders	21	0	0	0	3	0	0	1	2	1	2	1	1	4	1	0	0	1	1	1	0	2	42
292	Closure Fasteners	1590	85	88	90	115	110	99	114	107	75	111	102	75	68	69	72	56	44	49	54	52	71	3296
293	Vehicle Fenders	269	17	13	9	10	19	17	20	13	21	14	22	14	14	14	11	16	8	10	11	13	15	570
294	Handling: Hand and Hoist-Line Implements	2737	182	178	205	192	183	235	212	206	133	187	136	88	100	106	108	92	77	104	100	112	138	5811
295	Railway Wheels and Axles	25	0	0	2	3	1	0	2	1	2	1	2	1	0	0	0	1	0	0	0	1	1	43
296	Land Vehicles: Bodies and Tops	2270	161	155	154	184	168	216	210	257	260	192	204	211	169	184	175	145	135	147	124	144	153	6018
297	Chairs and Seats	2649	182	281	224	279	247	295	316	355	267	260	260	252	207	236	176	210	170	200	177	189	199	7631
298	Land Vehicles: Dumping	287	19	13	15	13	11	16	14	18	15	12	17	28	11	13	7	7	10	14	15	10	8	573
299	Mining or In Situ Disintegration of Hard Material	509	33	11	20	15	22	20	20	25	19	19	21	15	11	19	11	31	27	25	17	18	21	929
300	Brush, Broom, and Mop Making	65	5	5	6	2	6	6	6	1	6	1	5	2	1	2	3	3	0	1	3	4	3	136
301	Land Vehicles: Wheels and Axles	461	39	41	36	52	30	42	45	54	56	54	53	45	34	39	36	31	18	34	38	17	29	1284

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
303	Fluid-Pressure and Analogous Brake Systems	177	21	16	21	13	17	13	16	13	16	21	15	8	7	6	1	8	4	11	10	5	6	425
305	Wheel Substitutes for Land Vehicles	124	9	11	13	4	8	10	10	14	10	11	10	4	4	5	3	5	2	10	8	6	2	283
307	Electrical Transmission or Interconnection Systems	1040	61	59	73	105	103	121	126	93	60	62	77	65	37	66	46	36	51	73	62	83	62	2561
310	Electrical Generator or Motor Structure	1180	77	66	72	69	69	104	101	90	106	94	85	116	87	87	56	68	78	94	92	101	97	2989
312	Supports: Cabinet Structure	1775	125	117	125	145	126	174	170	172	118	139	126	106	78	76	63	55	49	77	74	80	72	4042
313	Electric Lamp and Discharge Devices	516	21	22	32	39	27	41	58	37	47	42	49	42	32	44	25	28	29	38	36	41	46	1292
314	Electric Lamp and Discharge Devices: Consumable Electrodes	11	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	13
315	Electric Lamp and Discharge Devices: Systems	1000	66	50	85	73	49	79	71	91	94	73	97	65	72	69	54	39	43	62	69	96	114	2511
318	Electricity: Motive Power Systems	947	49	65	69	62	44	71	52	64	55	49	39	35	36	37	34	32	45	35	43	53	47	1963
320	Electricity: Battery or Capacitor Charging or Discharging	252	41	28	19	36	42	42	46	47	54	46	44	38	27	23	25	16	30	47	51	69	56	1079
322	Electricity: Single Generator Systems	172	10	4	3	13	11	8	5	7	8	4	8	9	16	11	7	10	11	5	8	5	7	342
323	Electricity: Power Supply or Regulation Systems	341	20	18	11	25	19	27	21	30	30	39	21	17	20	17	17	8	17	20	14	24	23	779
324	Electricity: Measuring and Testing	1766	113	108	146	148	103	148	119	132	153	167	138	126	112	144	108	112	90	96	96	106	96	4327
326	Electronic Digital Logic Circuitry	76	9	18	8	11	12	15	11	9	12	18	12	13	11	10	19	18	24	38	17	22	17	400
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	549	26	35	29	37	18	42	39	38	36	34	30	29	24	33	22	29	30	52	28	18	46	1224
329	Demodulators	58	3	3	8	4	2	2	3	3	2	2	0	2	0	1	2	1	4	2	1	2	2	107
330	Amplifiers	300	8	9	9	19	16	22	21	19	25	16	23	22	7	22	17	26	23	30	17	25	20	696
331	Oscillators	234	8	7	6	13	9	17	17	9	14	8	10	7	8	5	10	7	17	11	17	10	11	455
332	Modulators	65	2	3	7	6	2	2	5	5	4	7	1	2	3	3	7	0	5	5	4	2	4	144
333	Wave Transmission Lines and Networks	360	25	24	26	25	19	30	25	27	21	24	30	20	29	20	15	19	25	16	12	13	20	825
334	Tuners	24	0	0	2	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0	30
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets	446	25	27	21	29	26	23	31	24	25	19	28	23	33	26	22	21	17	20	19	31	15	951
336	Inductor Devices	230	10	15	15	19	13	17	17	12	10	12	18	28	21	24	14	5	11	13	8	15	15	542
337	Electricity: Electrothermally or Thermally Actuated Switches	287	10	7	10	11	18	21	27	22	20	18	23	16	9	18	13	7	9	15	8	10	3	582
338	Electrical Resistors	410	17	12	6	14	13	14	13	20	8	10	9	7	4	6	7	4	4	8	9	4	6	605
340	Communications: Electrical	4394	273	297	354	428	453	542	532	569	518	464	359	431	425	551	424	473	387	462	413	428	492	13669
341	Coded Data Generation or Conversion	420	38	23	37	40	56	54	50	53	51	57	52	36	39	44	45	38	42	53	27	27	34	1316
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	468	44	47	38	61	45	73	66	68	87	73	62	56	67	59	54	60	60	49	56	46	53	1692
343	Communications: Radio Wave Antennas	513	31	26	38	38	30	47	54	55	61	58	35	38	51	53	60	55	45	47	30	26	40	1431

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
345	Computer Graphics Processing and Selective Visual Display Systems	580	39	74	76	91	114	132	152	183	182	165	158	136	143	173	151	125	124	186	130	181	227	3522
346	Recorders	266	5	4	5	7	2	3	6	2	4	3	1	1	1	0	2	2	0	0	0	0	2	316
347	Incremental Printing of Symbolic Information	204	10	17	19	19	21	33	21	28	25	35	33	27	26	44	28	43	15	19	18	24	19	728
348	Television	1306	107	127	140	168	172	209	200	184	192	157	154	172	131	212	155	165	132	190	137	194	184	4788
349	Liquid Crystal Cells, Elements and Systems	149	8	7	26	23	17	16	16	16	25	17	23	19	28	20	10	15	15	21	26	23	23	543
351	Optics: Eye Examining, Vision Testing and Correcting	948	73	78	98	85	93	101	132	130	110	107	110	110	97	93	115	118	96	122	88	74	73	3051
352	Optics: Motion Pictures	386	19	11	13	16	15	17	22	11	11	10	12	16	4	10	8	6	7	12	6	9	11	632
353	Optics: Image Projectors	349	21	17	25	15	15	17	25	18	15	20	13	33	20	27	17	29	21	22	23	26	15	783
355	Photocopying	561	17	23	15	10	16	15	18	7	19	10	14	9	12	15	8	6	7	7	8	3	2	802
356	Optics: Measuring and Testing	1352	108	84	111	112	109	129	131	124	67	91	98	101	93	102	97	89	75	106	78	83	99	3439
358	Facsimile and Static Presentation Processing	271	22	34	43	41	30	36	56	33	19	30	31	34	20	56	42	31	64	80	46	40	30	1089
359	Optical: Systems and Elements	2415	160	160	152	146	120	186	202	189	217	224	184	171	169	186	147	143	122	157	122	121	122	5815
360	Dynamic Magnetic Information Storage or Retrieval	695	48	43	39	47	30	44	26	30	34	30	34	21	12	21	13	6	14	23	10	15	8	1243
361	Electricity: Electrical Systems and Devices	1620	109	102	140	146	149	204	173	193	197	193	190	211	158	148	153	152	144	186	155	145	173	5041
362	Illumination	2724	214	271	300	324	314	404	382	480	481	428	480	414	373	461	394	314	308	370	327	372	415	10550
363	Electric Power Conversion Systems	391	36	24	22	30	33	35	32	38	39	41	29	22	21	23	24	14	26	33	23	26	35	997
365	Static Information Storage and Retrieval	195	31	33	28	34	37	41	34	38	30	25	33	22	33	39	29	35	72	68	49	28	43	977
366	Agitating	1353	72	81	95	98	77	104	100	87	93	69	55	55	50	44	39	48	37	47	57	67	48	2776
367	Communications, Electrical: Acoustic Wave Systems and Devices	610	63	30	39	38	38	38	39	35	32	29	23	26	26	27	26	47	27	40	16	25	23	1297
368	Horology: Time Measuring Systems or Devices	728	58	65	37	38	53	62	55	52	66	67	47	59	40	55	39	48	37	42	44	34	44	1770
369	Dynamic Information Storage or Retrieval	448	25	24	42	28	32	42	27	35	29	30	35	21	18	27	15	13	29	34	23	17	15	1009
370	Multiplex Communications	262	20	13	43	57	43	62	54	56	53	44	46	59	61	118	110	113	184	289	171	158	157	2173
372	Coherent Light Generators	320	24	28	32	28	31	27	23	21	22	22	36	44	32	29	18	22	30	22	27	18	22	878
373	Industrial Electric Heating Furnaces	164	5	9	9	7	2	4	9	19	8	11	4	8	2	3	0	3	6	2	2	1	4	282
374	Thermal Measuring and Testing	736	34	34	23	41	38	61	31	44	42	34	38	34	32	33	33	36	18	21	12	28	19	1422
375	Pulse or Digital Communications	334	20	32	41	62	63	71	76	65	47	57	54	60	59	104	93	74	86	114	66	69	76	1723
376	Induced Nuclear Reactions: Processes, Systems, and Elements	400	22	16	17	21	16	17	10	8	9	5	9	8	6	2	3	1	3	3	6	6	4	592
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	382	14	12	12	12	6	4	6	11	8	8	3	8	5	6	1	0	0	5	3	3	0	509
378	X-Ray or Gamma Ray Systems or Devices	567	44	35	33	48	26	47	31	41	34	37	33	24	36	49	43	43	54	54	33	43	40	1395

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
379	Telephonic Communications	1157	54	82	108	124	111	148	126	121	111	92	109	116	107	111	99	74	95	106	94	101	147	3393
380	Cryptography	217	29	34	22	27	44	43	26	39	30	25	16	20	27	36	26	27	41	77	46	58	54	964
381	Electrical Audio Signal Processing Systems and Devices	1001	69	65	57	72	81	151	79	87	56	91	93	91	74	92	82	59	71	97	150	201	147	2966
382	Image Analysis	265	40	25	43	55	63	75	95	88	71	71	87	91	84	144	119	93	126	195	154	161	178	2323
383	Flexible Bags	1062	92	93	104	83	75	101	122	122	106	68	57	46	42	47	42	36	32	40	55	52	53	2530
384	Bearings	758	46	65	56	44	33	47	36	32	55	47	35	19	21	19	15	19	13	12	11	12	19	1414
385	Optical Waveguides	469	39	57	42	55	46	87	80	75	72	98	91	87	95	139	74	63	53	60	35	46	36	1899
386	Motion Video Signal Processing for Recording or Reproducing	252	22	16	21	19	31	21	24	22	20	21	15	19	12	12	11	19	14	12	18	15	30	646
388	Electricity: Motor Control Systems	85	4	9	5	8	3	4	8	5	3	1	1	2	2	5	7	2	3	5	1	2	0	165
392	Electric Resistance Heating Devices	722	44	48	50	34	33	59	63	54	48	42	36	35	40	31	26	27	26	21	27	49	25	1540
396	Photography	975	35	52	30	47	38	81	62	43	33	36	48	51	28	31	33	36	43	54	57	57	52	1922
398	Optical Communications	128	9	14	10	19	15	19	24	19	19	30	21	20	25	28	21	18	28	39	22	29	18	575
399	Electrophotography	137	16	16	21	7	13	19	13	11	24	13	14	8	11	27	10	8	14	12	7	7	2	410
400	Typewriting Machines	561	47	35	59	43	37	42	39	34	23	29	37	34	35	23	26	9	12	15	10	7	16	1173
401	Coating Implements with Material Supply	1193	83	114	84	92	56	94	156	137	153	114	101	110	89	96	71	67	48	53	49	86	77	3123
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	308	26	28	20	31	33	43	32	39	23	26	18	18	13	17	11	8	2	12	4	4	8	724
403	Joints and Connections	3248	203	210	210	214	201	214	209	211	198	192	195	152	133	106	97	88	83	105	87	94	91	6541
404	Road Structure, Process, or Apparatus	1179	105	90	106	88	95	88	101	98	88	97	85	121	70	113	75	64	83	87	62	64	75	3034
405	Hydraulic and Earth Engineering	2446	211	151	160	222	156	191	215	153	165	199	184	183	158	176	128	137	129	139	142	114	150	5909
406	Conveyors: Fluid Current	357	17	6	15	18	12	10	14	13	20	14	19	11	7	12	5	4	6	6	4	11	11	592
407	Cutters, for Shaping	298	17	11	10	6	22	19	20	22	19	8	16	5	10	11	18	10	9	11	6	6	1	555
408	Cutting by Use of Rotating Axially Moving Tool	1175	53	71	67	58	67	92	87	55	80	51	58	43	38	54	48	30	36	26	19	23	28	2259
409	Gear Cutting, Milling, or Planing	682	40	27	34	33	55	58	48	63	42	52	40	29	31	36	36	25	16	17	13	7	10	1394
410	Freight Accommodation On Freight Carrier	491	38	31	51	46	34	47	49	59	60	53	61	58	42	50	49	39	34	36	42	48	49	1467
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	1273	112	82	96	120	103	118	121	107	95	78	74	73	50	61	34	34	28	57	56	60	85	2917
412	Bookbinding: Process and Apparatus	93	11	4	9	6	10	8	6	11	12	9	3	3	7	4	0	4	2	7	3	2	2	216
413	Sheet Metal Container Making	42	1	5	0	5	1	3	4	7	2	0	2	2	0	3	4	1	1	0	1	3	2	89
414	Material or Article Handling	3635	219	229	225	217	195	208	223	256	164	194	178	168	109	104	112	91	101	121	124	121	118	7112
415	Rotary Kinetic Fluid Motors or Pumps	883	50	49	51	51	29	32	30	50	59	64	66	61	52	53	55	39	30	54	64	84	66	1972
416	Fluid Reaction Surfaces (i.e., Impellers)	1087	69	64	68	57	41	48	62	85	70	75	66	65	69	74	55	59	33	54	78	91	89	2459
417	Pumps	2194	134	123	118	118	107	119	125	155	155	153	127	102	51	78	50	48	52	61	83	104	76	4333
418	Rotary Expansible Chamber Devices	635	36	37	40	31	32	35	25	47	46	37	37	37	29	26	19	22	23	31	20	28	31	1304

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
419	Powder Metallurgy Processes	145	3	13	7	12	10	7	11	12	6	9	14	10	3	3	5	6	7	6	11	6	7	313
420	Alloys or Metallic Compositions	246	8	18	16	8	11	11	13	9	11	25	21	17	8	2	3	4	4	6	4	8	7	460
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	2131	180	180	210	178	179	213	213	197	221	190	198	140	118	113	114	127	118	173	173	199	183	5748
423	Chemistry of Inorganic Compounds	1142	61	76	61	69	44	66	66	56	73	67	63	43	31	33	44	32	35	70	53	79	71	2335
424	Drug, Bio-Affecting and Body Treating Compositions	1995	197	176	216	254	338	402	458	392	495	477	449	284	208	254	215	197	201	291	285	344	375	8503
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	2598	152	150	151	142	132	157	133	129	117	115	93	97	59	90	84	58	59	68	63	65	69	4781
426	Food or Edible Material: Processes, Compositions, and Products	2158	144	120	149	163	178	185	239	240	228	179	152	146	80	94	69	45	41	73	81	111	104	4979
427	Coating Processes	2078	111	130	134	123	132	166	161	165	153	134	143	124	63	60	73	56	51	84	85	85	80	4391
428	Stock Material or Miscellaneous Articles	5272	338	342	353	351	344	398	409	383	381	304	353	274	192	171	168	100	116	166	201	216	218	11050
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	460	34	31	42	94	43	44	43	48	40	40	51	26	30	24	22	19	40	42	39	42	54	1308
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	515	18	26	34	33	22	43	40	44	37	51	39	39	33	38	24	21	25	32	20	23	16	1173
431	Combustion	937	49	64	59	62	44	75	83	88	92	57	83	65	57	40	38	24	39	39	15	19	32	2061
432	Heating	684	23	27	18	15	21	24	27	32	27	24	25	16	6	13	7	7	5	8	6	13	11	1039
433	Dentistry	2159	170	183	131	171	150	245	231	179	221	163	151	106	108	162	103	85	46	99	89	137	152	5241
434	Education and Demonstration	2159	200	161	163	189	180	228	223	228	164	178	181	148	136	125	124	84	87	110	134	141	203	5546
435	Chemistry: Molecular Biology and Microbiology	1408	153	155	171	189	248	367	387	321	389	299	319	246	188	233	212	199	227	286	237	261	254	6749
436	Chemistry: Analytical and Immunological Testing	859	89	93	87	114	116	143	121	105	113	79	113	84	47	60	72	86	69	84	82	85	71	2772
438	Semiconductor Device Manufacturing: Process	294	25	34	49	31	25	53	61	78	103	91	116	118	82	79	67	90	73	118	102	93	113	1895
439	Electrical Connectors	1929	162	183	177	188	189	246	194	274	247	234	198	244	208	249	218	184	163	182	171	156	138	6134
440	Marine Propulsion	800	69	63	62	66	71	76	70	80	63	57	62	61	60	76	49	44	37	43	43	42	56	2050
441	Buoys, Rafts, and Aquatic Devices	896	69	96	84	76	83	91	74	86	85	79	78	66	71	85	72	53	45	49	46	47	61	2392
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	381	24	32	42	28	27	49	57	46	40	19	20	27	18	16	23	18	21	15	20	13	16	952
445	Electric Lamp or Space Discharge Component or Device Manufacturing	59	2	3	5	3	6	5	11	7	5	5	6	4	4	10	2	4	3	5	5	7	3	164
446	Amusement Devices: Toys	2732	220	243	206	225	178	260	242	291	257	266	250	225	157	128	111	102	88	123	127	86	117	6634
449	Bee Culture	104	0	3	4	1	5	2	1	2	1	4	5	6	1	4	0	3	4	3	4	1	4	162
450	Foundation Garments	192	18	7	17	18	21	28	54	68	45	39	16	21	19	27	25	27	18	26	25	44	39	794
451	Abrading	1646	142	94	103	109	113	107	124	127	154	123	111	120	100	125	73	51	51	43	54	65	80	3715
452	Butchering	613	41	42	34	36	22	23	24	35	42	13	23	22	20	35	28	33	27	17	21	16	21	1188
453	Coin Handling	101	4	5	7	5	4	2	2	5	1	4	4	8	0	3	0	0	2	5	2	3	3	170

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
454	Ventilation	1152	62	71	52	75	59	87	70	77	98	93	79	74	68	49	35	22	38	38	37	48	62	2446
455	Telecommunications	775	55	47	74	101	78	106	117	120	96	121	114	142	121	210	207	170	236	303	253	345	406	4197
460	Crop Threshing or Separating	114	6	6	10	17	2	11	12	13	11	10	4	5	5	5	4	1	2	6	4	3	5	256
462	Books, Strips, and Leaves for Manifolding	110	19	12	12	6	5	6	10	9	9	9	0	6	3	0	1	1	0	0	1	0	1	220
463	Amusement Devices: Games	387	37	50	31	45	50	94	86	106	105	100	99	85	89	67	90	71	55	96	114	198	223	2278
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	394	16	24	19	17	26	20	23	23	35	15	22	14	11	14	6	5	8	5	14	13	14	738
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus	177	11	13	8	7	6	8	7	5	5	5	5	1	4	5	1	2	2	3	7	1	1	284
472	Amusement Devices	530	48	49	46	47	48	75	59	48	42	44	42	38	39	35	27	22	23	45	55	33	39	1434
473	Games Using Tangible Projectile	3820	368	450	483	450	431	541	447	376	370	363	362	336	299	328	293	213	213	300	296	299	280	11318
474	Endless Belt Power Transmission Systems or Components	550	36	45	44	36	35	25	27	38	15	29	20	12	15	17	6	12	12	16	13	13	21	1037
475	Planetary Gear Transmission Systems or Components	468	30	26	28	39	26	30	40	47	25	31	28	23	31	26	27	27	20	27	18	28	44	1089
476	Friction Gear Transmission Systems or Components	72	4	5	6	10	5	3	6	7	2	3	2	3	5	3	3	2	4	4	1	5	1	156
477	Interrelated Power Delivery Controls, Including Engine Control	154	4	5	11	14	9	10	12	7	3	7	8	5	9	11	4	9	10	13	10	8	12	335
482	Exercise Devices	2792	284	305	265	316	331	396	364	355	307	292	309	299	217	344	260	244	262	382	380	211	210	9125
483	Tool Changing	45	1	5	3	1	3	5	9	9	1	8	2	1	2	5	3	4	4	3	0	1	0	115
492	Roll or Roller	156	13	5	16	15	11	15	12	18	9	9	6	12	11	7	4	5	5	7	6	5	2	349
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	654	45	44	33	33	30	53	43	37	27	28	33	28	32	20	16	17	20	14	14	14	19	1254
494	Imperforate Bowl: Centrifugal Separators	169	12	17	8	9	10	15	16	10	12	12	6	4	3	3	6	1	5	1	6	6	8	339
501	Compositions: Ceramic	286	26	28	25	26	22	22	23	17	31	20	22	13	13	8	8	7	8	7	12	15	10	649
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making	355	28	21	20	17	21	27	32	32	30	21	16	11	14	11	17	12	10	22	20	24	20	781
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor	41	2	4	1	4	3	7	4	1	3	3	2	4	1	4	4	5	3	5	2	1	4	108
504	Plant Protecting and Regulating Compositions	132	11	6	5	9	14	15	38	16	23	20	15	9	8	6	6	3	7	4	12	17	10	386
505	Superconductor Technology: Apparatus, Material, Process	126	14	9	13	10	12	8	14	17	9	6	11	6	6	3	3	4	6	4	5	4	6	296
506	Combinatorial Chemistry Technology: Method, Library, Apparatus	2	0	0	2	7	4	6	10	10	5	8	12	5	7	4	3	2	6	4	6	6	2	111
507	Earth Boring, Well Treating, and Oil Field Chemistry	94	9	2	3	3	5	13	5	9	6	8	6	14	11	4	3	3	10	12	5	5	4	234
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil	103	9	8	11	10	10	16	16	12	12	7	10	6	3	8	5	2	5	11	8	9	9	290

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
	Compositions																							
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	315	21	19	31	34	32	49	66	43	43	46	38	39	23	28	20	18	24	13	32	32	21	987
512	Perfume Compositions	23	1	3	4	3	2	4	3	7	5	1	3	2	0	0	2	2	1	2	0	0	2	70
514	Drug, Bio-Affecting and Body Treating Compositions	2360	212	185	235	319	354	408	450	366	443	405	349	239	201	203	170	134	146	245	234	251	300	8209
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	135	10	10	11	11	11	13	10	11	11	10	11	11	3	3	5	6	11	7	4	3	6	313
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof	25	1	2	2	3	0	2	1	2	5	1	1	2	1	2	5	1	2	0	4	5	7	74
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	432	29	22	22	16	21	32	28	17	23	18	23	7	15	4	7	3	6	5	17	8	9	764
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	86	5	3	12	10	5	6	9	7	8	6	12	8	3	5	6	4	0	3	3	2	3	206
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	414	38	25	39	26	32	45	38	17	38	33	34	14	21	16	16	7	7	21	16	20	37	954
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	833	43	52	54	57	55	81	56	54	60	59	60	34	39	37	34	22	30	40	30	31	38	1799
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	573	42	30	35	29	29	45	35	33	29	35	34	21	16	23	31	11	11	16	13	16	19	1126
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	260	25	19	9	12	12	17	22	14	20	11	32	13	15	12	10	6	6	11	8	5	11	550
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	69	5	5	5	2	2	3	0	3	2	2	1	2	0	2	1	1	0	0	2	2	2	111
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	500	43	28	35	22	24	29	33	19	29	32	14	19	14	20	20	15	14	16	24	20	21	991
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	570	59	53	61	65	109	162	138	94	133	98	115	100	72	74	98	79	64	91	76	67	72	2450
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	1	0	1	0	2
534	Organic Compounds -- Part of the Class 532-570 Series	67	4	3	3	2	5	8	2	4	2	2	2	0	0	0	1	1	0	3	1	1	2	113
536	Organic Compounds -- Part of the Class 532-570 Series	374	29	29	48	81	88	145	173	121	136	105	115	82	71	95	70	57	70	72	82	69	55	2167
540	Organic Compounds -- Part of the Class 532-570 Series	131	7	4	8	6	20	10	11	6	8	12	7	7	4	11	3	4	3	2	8	5	5	282
544	Organic Compounds -- Part of the Class 532-570 Series	250	14	14	18	23	20	19	24	26	20	21	20	21	14	16	12	11	8	24	26	20	31	652
546	Organic Compounds -- Part of the Class 532-570 Series	243	19	16	20	30	25	23	20	32	26	20	33	23	14	26	13	18	21	33	24	25	27	731
548	Organic Compounds -- Part of the Class 532-570 Series	258	15	21	16	30	20	17	20	16	16	25	24	20	12	17	17	8	13	21	30	15	23	654

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
549	Organic Compounds -- Part of the Class 532-570 Series	192	20	12	11	15	18	27	25	23	25	20	19	12	10	13	18	7	8	10	10	10	17	522
552	Organic Compounds -- Part of the Class 532-570 Series	79	2	1	5	2	3	2	7	2	4	3	5	3	1	2	3	1	0	1	2	7	3	138
554	Organic Compounds -- Part of the Class 532-570 Series	117	4	11	9	10	11	8	8	11	11	17	13	13	5	5	6	6	5	3	9	6	11	299
556	Organic Compounds -- Part of the Class 532-570 Series	158	7	7	11	12	14	7	14	5	14	8	9	6	4	1	10	5	4	5	8	10	7	326
558	Organic Compounds -- Part of the Class 532-570 Series	137	12	4	12	11	6	10	15	6	6	9	3	4	3	8	5	4	4	3	5	5	5	277
560	Organic Compounds -- Part of the Class 532-570 Series	228	21	15	13	21	13	13	16	10	15	21	19	8	3	3	5	4	8	4	5	8	7	460
562	Organic Compounds -- Part of the Class 532-570 Series	225	21	13	17	13	17	15	17	11	22	16	15	8	9	11	12	6	3	14	13	7	11	496
564	Organic Compounds -- Part of the Class 532-570 Series	180	9	8	19	19	17	11	10	11	19	19	14	6	6	12	6	3	6	8	8	10	13	414
568	Organic Compounds -- Part of the Class 532-570 Series	285	23	17	31	15	18	34	35	18	13	14	15	17	8	8	9	6	11	14	14	7	11	623
570	Organic Compounds -- Part of the Class 532-570 Series	55	3	0	3	3	5	2	4	3	7	2	0	1	2	0	3	0	0	2	3	2	0	100
585	Chemistry of Hydrocarbon Compounds	220	17	9	31	16	15	26	27	24	19	9	19	10	8	14	2	12	9	9	20	12	13	541
588	Hazardous or Toxic Waste Destruction or Containment	161	22	33	37	37	43	31	39	28	18	27	10	11	7	10	11	9	7	10	15	15	15	596
600	Surgery	3145	342	373	375	314	256	502	411	433	373	423	354	266	210	254	198	198	194	262	285	336	398	9902
601	Surgery: Kinesitherapy	1062	66	75	112	110	91	127	101	101	112	84	96	83	62	101	92	72	48	60	64	93	89	2901
602	Surgery: Splint, Brace, or Bandage	1065	99	103	118	90	115	174	156	159	113	122	131	107	92	100	46	50	57	99	106	93	99	3294
604	Surgery	4216	514	561	480	442	426	522	414	405	342	337	412	273	189	185	157	148	143	261	225	314	312	11278
606	Surgery	2700	386	440	427	462	547	607	578	519	435	385	443	292	229	228	200	134	154	241	268	387	430	10492
607	Surgery: Light, Thermal, and Electrical Application	963	80	86	107	97	80	124	137	155	138	115	135	101	81	76	84	48	50	59	81	115	132	3044
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	1319	116	118	106	160	133	168	154	174	188	200	181	159	121	129	88	67	82	126	140	160	170	4259
700	Data Processing: Generic Control Systems or Specific Applications	532	44	67	59	83	62	110	101	74	84	94	129	120	102	129	90	107	86	110	152	164	180	2679
701	Data Processing: Vehicles, Navigation, and Relative Location	251	22	35	39	43	37	74	72	70	110	111	96	82	106	114	95	98	83	117	144	139	178	2116
702	Data Processing: Measuring, Calibrating, or Testing	551	44	47	38	64	65	78	78	62	75	103	121	124	101	120	119	110	101	123	114	137	141	2516
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	39	9	8	7	11	23	18	26	17	20	26	26	20	31	56	38	50	47	48	41	42	77	680
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	171	21	22	27	24	33	50	47	29	46	41	37	38	21	54	46	47	36	88	68	89	89	1124



Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination	245	45	48	23	46	75	108	187	154	119	130	131	133	181	268	218	264	306	528	515	595	699	5018
706	Data Processing: Artificial Intelligence	57	16	13	23	29	22	53	31	31	32	38	44	29	22	34	24	25	44	89	77	62	80	875
707	Data Processing: Database and File Management or Data Structures	66	14	18	32	24	47	92	115	93	99	105	133	136	112	171	173	142	132	212	181	226	246	2569
708	Electrical Computers: Arithmetic Processing and Calculating	345	31	28	20	32	33	34	43	29	20	32	21	19	16	21	15	14	18	22	22	19	33	867
709	Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring	22	7	6	7	23	26	60	59	77	80	89	93	106	91	149	144	111	177	316	233	253	246	2375
710	Electrical Computers and Digital Data Processing Systems: Input/Output	70	11	10	19	21	29	40	26	33	29	20	31	25	21	32	35	21	46	49	48	35	31	682
711	Electrical Computers and Digital Processing Systems: Memory	91	11	11	21	20	33	35	28	21	24	17	25	28	20	41	29	39	52	71	57	58	43	775
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)	81	8	6	10	16	20	30	13	13	19	12	11	9	14	20	12	14	18	33	32	19	18	428
713	Electrical Computers and Digital Processing Systems: Support	119	23	25	21	39	43	53	37	46	41	36	34	37	45	87	66	70	94	167	108	132	156	1479
714	Error Detection/Correction and Fault Detection/Recovery	179	8	24	31	40	40	53	35	38	39	35	42	39	39	42	63	40	81	82	40	35	28	1053
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing	100	20	34	25	28	50	86	82	62	81	58	73	74	62	107	93	60	86	156	128	129	175	1769
716	Computer-Aided Design and Analysis of Circuits and Semiconductor Masks	10	0	4	3	3	7	7	4	4	14	27	28	23	16	32	42	35	37	54	15	21	26	412
717	Data Processing: Software Development, Installation, and Management	13	0	4	7	8	8	13	19	14	15	17	12	13	17	21	25	22	33	58	45	45	52	461
718	Electrical Computers and Digital Processing Systems: Virtual Machine Task or Process Management or Task Management/Control	6	1	3	5	3	3	9	9	7	3	10	7	9	9	6	9	6	12	16	18	12	16	179
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)	1	1	0	5	3	4	8	3	7	7	14	13	9	8	12	2	9	11	21	9	14	11	172
720	Dynamic Optical Information Storage or Retrieval	24	3	3	6	4	1	7	6	7	3	7	8	7	8	6	1	7	9	8	9	5	2	141
725	Interactive Video Distribution Systems	136	14	12	16	32	19	32	39	31	26	17	20	20	13	28	23	19	36	75	76	78	91	853
726	Information Security	24	0	5	2	4	11	20	21	29	25	22	21	25	26	53	36	41	64	104	88	106	158	885
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	15	2	3	5	4	8	30	25	22	19	20	18	20	17	17	18	21	15	23	15	15	23	355
850	Scanning-Probe Techniques or Apparatus; Applications of Scanning-Probe Techniques, e.g., Scanning Probe	31	5	6	7	10	6	8	6	3	5	5	11	9	7	0	0	0	1	2	3	4	4	133

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
	Microscopy [Spm]																							
901	Robots	290	22	18	19	19	16	20	19	16	16	20	16	12	10	8	6	7	5	7	8	15	8	577
902	Electronic Funds Transfer	138	6	6	6	2	12	9	4	11	2	4	5	3	3	6	5	4	3	1	1	3	2	236
903	Hybrid Electric Vehicles (Hevs)	33	3	8	2	7	6	6	3	5	2	6	8	4	5	0	4	6	7	1	5	2	4	127
930	Peptide or Protein Sequence	141	3	3	0	0	2	4	4	4	6	2	1	2	1	0	1	0	1	1	0	2	3	181
968	Horology	693	0	0	0	0	0	2	0	1	1	0	0	1	0	0	0	1	1	0	0	0	0	700
976	Nuclear Technology	436	2	1	4	4	3	3	0	2	0	1	0	0	0	0	1	0	0	0	0	0	1	458
977	Nanotechnology	10	5	7	7	11	15	14	27	18	25	23	42	27	8	11	14	22	13	25	27	32	35	418
984	Musical Instruments	1406	0	0	0	0	0	0	0	1	2	1	3	0	0	1	2	1	0	0	0	0	1	1418
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	121	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	123
D01	Edible Products	131	13	18	10	19	24	27	27	30	32	21	7	27	13	19	15	22	21	21	25	20	26	568
D02	Apparel and Haberdashery	1390	172	179	188	205	195	300	253	210	154	209	179	160	128	181	221	280	305	367	309	344	326	6255
D03	Travel Goods and Personal Belongings	2183	297	277	277	268	250	338	347	314	277	254	249	207	184	285	249	261	246	297	254	273	316	7903
D04	Brushware	450	69	58	73	88	71	94	74	95	85	112	59	43	35	58	39	69	38	57	34	42	48	1791
D05	Textile or Paper Yard Goods; Sheet Material	106	5	5	6	6	11	15	10	17	19	7	17	9	9	14	12	18	11	12	18	32	16	375
D06	Furnishings	6078	700	565	698	643	578	724	666	740	649	692	575	461	353	475	629	529	514	516	457	583	477	18302
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified	3169	373	323	313	398	263	344	286	362	332	259	311	291	206	380	344	370	344	387	322	397	464	10238
D08	Tools and Hardware	4008	464	446	495	448	384	551	471	546	405	341	460	398	290	446	491	514	443	414	348	399	345	13107
D09	Packages and Containers for Goods	1543	173	186	195	215	207	207	178	207	213	160	194	139	123	182	190	204	229	224	178	199	229	5575
D10	Measuring, Testing, or Signalling Instruments	2072	269	277	280	200	200	289	260	229	203	198	156	166	141	170	193	221	171	142	126	114	102	6179
D11	Jewelry, Symbolic Insignia, and Ornaments	2212	211	219	234	199	207	239	219	252	255	250	197	186	175	226	236	273	233	216	204	235	214	6892
D12	Transportation	3028	391	344	351	361	289	374	285	357	283	240	269	306	254	303	336	343	334	307	224	253	292	9524
D13	Equipment for Production, Distribution, or Transformation of Energy	562	75	86	85	78	74	85	119	110	99	106	105	64	40	86	87	121	112	68	91	105	126	2484
D14	Recording, Communication, or Information Retrieval Equipment	1211	167	140	183	179	185	214	184	238	181	184	197	173	104	172	181	178	174	192	179	196	274	5086
D15	Machines Not Elsewhere Specified	1221	141	91	152	141	89	107	82	76	64	58	81	82	58	108	133	97	100	109	83	107	147	3327
D16	Photography and Optical Equipment	503	49	56	49	80	63	82	74	102	51	60	88	50	46	51	90	74	82	70	77	69	70	1936
D17	Musical Instruments	423	37	41	35	36	26	40	46	26	42	23	40	21	19	39	25	51	29	39	36	29	44	1147
D18	Printing and Office Machinery	434	48	26	28	29	17	30	26	34	19	27	25	16	12	44	30	29	45	13	21	3	16	972
D19	Office Supplies; Artists' and Teachers' Materials	1383	155	154	181	126	156	209	162	158	157	120	137	132	106	97	108	154	100	71	112	85	81	4144
D20	Sales and Advertising Equipment	519	82	81	90	73	95	114	90	82	59	29	78	62	44	53	58	44	52	63	67	99	91	2025

Class	Class Title	PRE_1993	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
D21	Games, Toys, and Sports Goods	4616	483	565	551	497	465	681	512	545	489	390	343	320	304	415	355	403	309	342	365	326	368	13644
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment	1264	108	116	128	140	95	97	116	102	97	108	98	80	74	113	120	97	116	128	138	139	171	3645
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment	1976	167	221	232	175	184	239	232	280	209	206	210	201	203	259	239	283	183	248	200	164	228	6539
D24	Medical and Laboratory Equipment	2235	244	235	232	231	200	246	220	226	252	199	187	128	95	163	224	226	212	333	256	204	272	6820
D25	Building Units and Construction Elements	1611	111	153	141	123	128	144	142	145	125	156	148	129	113	87	135	129	123	166	95	130	111	4345
D26	Lighting	1052	111	154	159	200	179	234	183	275	328	273	257	221	147	231	293	301	246	214	227	175	208	5668
D27	Tobacco and Smokers' Supplies	290	9	18	21	20	26	49	55	38	40	42	37	38	35	59	60	42	26	35	19	21	40	1020
D28	Cosmetic Products and Toilet Articles	952	87	130	103	112	127	114	104	178	155	103	115	112	64	82	71	73	90	101	114	107	76	3170
D29	Equipment for Safety, Protection, and Rescue	468	58	65	80	73	60	52	53	67	36	58	41	44	26	42	77	72	65	47	66	90	66	1706
D30	Animal Husbandry	999	154	140	145	137	117	89	82	131	73	74	83	75	74	93	100	115	96	127	117	139	124	3284
D32	Washing, Cleaning, or Drying Machine	699	81	103	122	100	105	121	92	90	69	67	83	54	42	61	102	94	70	81	75	83	102	2496
D34	Material or Article Handling Equipment	1360	206	146	169	97	80	117	86	96	76	73	87	65	41	123	126	70	86	72	92	84	67	3419
D99	Miscellaneous	327	40	31	53	34	43	48	37	45	61	33	67	48	32	43	31	21	18	52	28	32	32	1156
G9B	Information Storage Based On Relative Movement Between Record Carrier and Transducer	1447	130	139	135	146	158	192	140	137	143	135	133	108	83	71	52	52	0	1	0	2	0	3404
PLT	Plants	1308	101	97	78	83	91	124	101	92	125	261	232	156	105	199	163	268	270	231	187	213	168	4653
ALL	<b>ALL CLASSES ( in this total, a patent is counted once for each class in which it has been classified )</b>	<b>464306</b>	<b>34890</b>	<b>35773</b>	<b>36152</b>	<b>37301</b>	<b>35254</b>	<b>44341</b>	<b>43612</b>	<b>43289</b>	<b>40935</b>	<b>38395</b>	<b>37214</b>	<b>32980</b>	<b>27395</b>	<b>31643</b>	<b>28146</b>	<b>26039</b>	<b>25393</b>	<b>31948</b>	<b>29630</b>	<b>32167</b>	<b>34421</b>	<b>1191224</b>

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