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

Patent Counts By Class By Year

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

Parts of the Report

[Description of the Report](#)

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

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

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

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

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

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

[CONTACT INFORMATION -](#)

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

Description of the Report

Classes are major divisions of technology in the U.S. Patent Classification System (USPCS). Each class is further divided into smaller divisions of technology called subclasses. The USPCS currently contains approximately 475 total classes and 165,000 total subclasses. Copies of each patent are placed (classified) in those subclasses that have been identified as pertinent to the information disclosed in the patent. One, and only one, of these subclasses is designated as the "original classification" (OR), and the remainder (if any) are designated as "cross-reference classifications" (XR).

The "original" classification of a patent may be considered to be its "primary" classification. This classification need not correspond to any classification that was assigned to the patent at the time of issue since the classification system is continuously undergoing revision and since classifications that are assigned to patents are continuously updated to reflect these revisions. Counting patents by "original" classification will ensure that each patent is counted only once. However, if a patent teaches more than one concept, e.g., table and chair, only one concept, e.g., table, will be counted. To ensure that all concepts are counted, patents should be counted in all of their classifications. **Unless otherwise indicated, patent classifications used to produce this report are those assigned to patents as of the end of the most recent calendar year for which counts are reported (e.g., December 31, 2010).**

If the patent record is incomplete and the classifications are unknown, then the patent is counted in a "classification undetermined" category (class 001 for utility patents and other non-design patent documents; class D00 for design patents). For a limited number of patents, the PRIMARY classification has been changed from class 001 and D00 to another class more indicative of the subject matter of the patents. These changes have been made only in cases where the patents could be associated with a class other than class 001 and D00.

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

PATENTS INCLUDED IN THIS REPORT

This Patent Technology Monitoring Team (PTMT) Report profiles patent activity for U.S. patents granted between **01/01/1977 and 12/31/2010**. The source of the data used for this report is the TAF database maintained by the U.S. Patent and Trademark Office.

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

utility patents (i.e., "patents for invention"), design patents, plant patents, reissue patents, statutory invention registrations, defensive publications
granted by the U.S. Patent and Trademark Office during the period **01/01/1977 - 12/31/2010**. These profiled documents hereafter will be referred to as "patents".

PART A1 -- DATA DISTRIBUTION BY YEAR OF GRANT

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

Report Printing and the Use of Spreadsheet Software

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

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

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

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

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

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

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
001	** Classification Undetermined **	9	0	0	1	0	1	1	0	0	1	0	1	0	1	4	3	9	15	23	14	16	36	135
002	Apparel	2405	243	394	341	232	260	270	384	426	508	601	568	550	497	338	408	341	381	238	220	174	401	10180
004	Baths, Closets, Sinks, and Spittoons	2075	272	287	221	249	290	230	198	218	311	409	327	351	398	329	309	231	219	182	138	111	190	7545
005	Beds	2169	295	320	338	268	237	268	335	298	312	314	353	343	333	373	403	389	390	278	350	331	403	9100
007	Compound Tools	226	21	33	21	34	25	14	28	25	31	40	41	46	39	33	38	39	39	29	10	13	15	840
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	2711	172	194	176	201	202	188	211	159	228	310	239	187	194	243	212	136	194	205	180	181	237	6960
012	Boot and Shoe Making	281	21	14	11	14	13	7	11	10	14	20	6	11	6	9	9	4	9	6	11	9	17	513
014	Bridges	301	31	33	22	25	36	44	41	30	39	41	32	28	53	38	49	34	46	39	32	40	38	1072
015	Brushing, Scrubbing, and General Cleaning	3619	338	366	338	314	446	432	446	394	544	599	620	506	447	500	425	351	346	437	392	381	576	12817
016	Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, Etc.)	1476	117	177	135	132	130	148	179	164	216	202	227	199	270	258	215	190	232	166	145	215	258	5451
019	Textiles: Fiber Preparation	749	87	122	65	54	68	66	54	54	47	45	58	65	52	42	22	20	28	15	27	32	46	1818
023	Chemistry: Physical Processes	179	11	5	15	10	19	12	5	5	13	7	14	10	11	8	5	10	6	4	7	9	11	376
024	Buckles, Buttons, Clasps, Etc.	2310	256	257	243	210	225	236	227	293	288	299	276	306	357	322	205	144	223	200	200	182	204	7463
026	Textiles: Cloth Finishing	216	28	17	18	12	11	26	20	17	23	25	14	12	7	9	7	8	6	9	4	4	9	502
027	Undertaking	98	15	11	14	13	13	14	16	28	24	20	23	23	12	25	15	12	13	42	33	23	22	509
028	Textiles: Manufacturing	526	77	59	53	39	64	60	38	47	39	45	54	44	51	45	46	23	45	42	39	33	24	1493
029	Metal Working	9473	830	992	980	1050	961	878	924	976	1203	1120	1252	1379	1260	1472	1398	1244	1495	1250	1034	1117	1491	33779
030	Cutlery	2685	286	339	237	202	221	213	234	228	276	304	291	282	306	299	275	221	230	199	164	170	205	7867
033	Geometrical Instruments	3587	364	363	335	250	235	320	246	195	255	213	318	341	407	386	374	398	379	413	382	376	396	10533
034	Drying and Gas or Vapor Contact with Solids	2091	152	183	189	199	201	167	250	229	241	284	349	234	256	184	202	193	187	97	157	75	82	6202
036	Boots, Shoes, and Leggings	1628	193	148	112	141	165	160	146	177	258	259	227	202	194	185	217	196	214	175	208	185	272	5662
037	Excavating	1006	75	88	94	82	50	85	103	79	101	112	122	108	139	108	115	103	95	67	43	116	170	3061
038	Textiles: Ironing or Smoothing	296	25	33	22	12	38	29	32	37	34	33	38	30	36	23	36	20	39	28	26	22	30	919
040	Card, Picture, or Sign Exhibiting	2184	191	196	132	145	197	191	176	188	214	240	265	262	249	313	245	202	173	204	221	184	235	6607
042	Firearms	1133	136	154	100	93	108	139	108	144	149	136	87	164	189	195	155	119	130	128	135	135	212	4049
043	Fishing, Trapping, and Vermin Destroying	2598	281	253	263	284	273	212	274	176	184	346	292	206	243	296	221	195	169	139	130	133	195	7363
044	Fuel and Related Compositions	1608	84	92	81	86	103	96	105	79	100	105	119	98	77	112	89	46	28	58	66	82	93	3407
047	Plant Husbandry	1320	140	152	141	130	162	173	178	130	143	192	236	200	222	206	129	103	107	83	48	105	168	4468
048	Gas: Heating and Illuminating	815	62	23	19	24	12	34	23	42	44	29	19	26	7	21	37	28	51	60	69	81	86	1612
049	Movable or Removable Closures	1783	186	204	148	167	166	174	176	139	176	182	236	194	191	168	187	140	139	80	88	110	149	5183
051	Abrasive Tool Making Process, Material, or Composition	460	57	62	86	89	58	51	69	73	42	52	45	70	77	82	71	41	31	45	29	40	21	1651
052	Static Structures (e.g., Buildings)	7641	712	689	606	643	689	616	750	830	1000	983	1012	1136	974	851	774	677	565	440	400	601	1112	23701
053	Package Making	3445	362	401	337	301	278	418	391	436	538	394	455	387	359	418	425	378	352	248	360	308	321	11312
054	Harness for Working Animal	149	17	24	25	16	19	16	15	12	27	12	31	24	33	35	31	13	27	34	25	25	9	619
055	Gas Separation	1157	98	98	118	114	64	77	96	103	184	152	170	172	190	169	177	150	147	181	253	276	307	4453
056	Harvesters	2251	244	216	176	176	172	198	158	116	214	238	229	182	205	201	178	199	165	118	142	157	216	6151

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
057	Textiles: Spinning, Twisting, and Twining	2258	149	69	133	113	142	111	109	111	162	116	107	132	98	61	66	50	75	48	57	41	52	4260
059	Chain, Staple, and Horseshoe Making	238	15	16	19	20	23	20	12	20	27	27	23	41	28	29	24	27	30	28	34	34	26	761
060	Power Plants	6571	522	519	644	634	644	620	503	537	710	672	740	1025	974	944	951	947	1095	758	707	906	1147	22770
062	Refrigeration	5658	574	583	572	710	653	636	632	685	791	902	884	1045	1099	1022	813	660	797	836	564	481	698	21295
063	Jewelry	257	26	37	48	34	28	36	42	55	40	33	41	36	56	52	43	26	40	38	37	25	29	1059
065	Glass Manufacturing	2962	220	207	234	175	175	101	118	200	234	251	175	194	200	202	223	124	139	97	103	84	146	6564
066	Textiles: Knitting	1096	35	86	71	80	74	69	94	73	73	89	141	128	71	70	82	81	80	61	49	72	73	2748
068	Textiles: Fluid Treating Apparatus	732	60	63	50	70	62	62	70	80	112	111	69	49	79	72	29	33	35	72	93	113	106	2222
069	Leather Manufactures	96	3	7	1	2	1	0	2	3	1	2	2	1	1	1	4	7	0	1	1	4	5	145
070	Locks	2192	223	239	171	189	182	210	201	242	338	319	248	211	285	308	222	212	203	178	205	153	160	6891
071	Chemistry: Fertilizers	596	31	37	53	38	40	61	44	59	58	42	39	62	64	24	27	14	12	11	14	18	48	1392
072	Metal Deforming	4827	376	384	326	326	325	277	325	389	470	500	435	450	343	350	322	259	458	385	308	258	272	12365
073	Measuring and Testing	13498	1206	1158	1072	1128	1376	1356	1465	1347	1654	1529	1517	1575	1684	2055	1724	1780	1916	1794	1917	1726	1935	46412
074	Machine Element or Mechanism	5017	487	438	514	594	409	373	490	425	618	626	613	604	561	491	410	353	389	390	340	378	471	14991
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	2942	236	203	192	227	223	245	175	150	200	247	231	274	289	235	190	131	102	136	123	174	205	7130
076	Metal Tools and Implements, Making	377	16	41	38	23	27	44	28	24	23	19	31	21	19	22	15	10	9	16	8	11	14	836
079	Button Making	2	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	1	10
081	Tools	1902	201	211	185	187	197	142	193	130	184	285	352	407	293	228	256	310	416	337	205	115	197	6933
082	Turning	918	67	82	73	63	54	33	41	64	73	82	68	75	55	109	50	45	49	30	38	52	63	2184
083	Cutting	3370	259	308	282	259	235	183	157	177	301	337	314	286	204	264	320	210	272	174	144	157	215	8428
084	Music	2905	251	239	252	299	305	343	324	273	342	417	381	347	306	277	274	234	316	374	425	482	559	9925
086	Ammunition and Explosive-Charge Making	208	18	18	19	18	17	16	10	14	21	10	11	16	15	15	7	14	15	12	14	14	18	520
087	Textiles: Braiding, Netting, and Lace Making	103	13	8	8	7	9	11	6	6	13	15	7	8	11	9	5	2	8	11	7	3	9	279
089	Ordnance	1495	181	150	157	127	133	131	79	109	120	107	80	123	115	124	115	87	84	96	104	133	185	4035
091	Motors: Expansible Chamber Type	1811	122	107	133	122	92	67	87	77	111	77	80	92	104	81	92	69	79	80	48	49	34	3614
092	Expansible Chamber Devices	1048	105	135	90	93	101	101	93	111	141	136	99	153	160	144	113	105	99	127	103	75	86	3418
095	Gas Separation: Processes	1601	153	163	180	152	122	135	136	132	205	216	205	227	272	276	218	166	211	165	213	189	296	5633
096	Gas Separation: Apparatus	1510	125	122	112	108	93	97	111	124	138	133	126	130	168	159	142	116	108	128	151	190	207	4298
099	Foods and Beverages: Apparatus	2092	220	201	210	254	234	309	279	320	306	352	332	332	277	278	247	173	176	112	168	161	239	7272
100	Presses	1358	54	107	115	117	113	99	103	103	135	105	82	82	56	129	105	82	107	73	97	55	51	3328
101	Printing	2995	264	302	327	309	319	339	357	366	525	447	431	385	438	546	581	333	353	205	201	168	192	10383
102	Ammunition and Explosives	2162	215	262	203	197	182	180	155	143	155	132	121	215	192	213	151	137	141	110	141	133	172	5712
104	Railways	1037	122	92	96	81	71	82	86	102	73	52	65	91	105	84	57	47	33	41	51	66	87	2621
105	Railway Rolling Stock	892	70	78	82	72	69	78	77	71	91	55	64	99	91	81	49	67	49	43	47	55	74	2354
106	Compositions: Coating or Plastic	3474	264	344	426	377	483	406	394	415	554	518	427	428	472	489	489	311	372	411	365	327	509	12255
108	Horizontally Supported Planar Surfaces	964	89	73	97	76	145	138	167	158	159	176	190	152	155	149	159	110	118	64	71	88	130	3628
109	Safes, Bank Protection, or a Related Device	276	20	12	8	18	12	11	12	22	21	16	11	7	12	14	8	12	5	6	7	4	7	521
110	Furnaces	1390	154	144	124	108	137	80	104	121	143	82	93	119	92	50	68	79	62	33	32	23	51	3289
111	Planting	475	44	36	30	26	38	41	55	47	38	59	59	68	48	66	58	47	59	57	59	61	70	1541
112	Sewing	2665	160	214	171	143	127	134	178	156	181	188	157	146	87	65	112	92	89	71	78	69	65	5348
114	Ships	2814	283	294	255	239	259	268	271	256	257	277	336	318	274	287	258	321	331	292	259	206	213	8568
116	Signals and Indicators	792	67	87	58	63	82	58	57	52	40	51	59	66	75	65	73	60	48	48	57	63	82	2103
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	963	102	88	108	129	151	177	138	127	203	236	226	190	187	178	191	175	184	206	221	152	163	4495
118	Coating Apparatus	2419	246	269	271	290	273	323	369	375	408	431	554	544	478	444	367	299	258	225	256	257	355	9711
119	Animal Husbandry	2181	257	311	310	277	291	248	279	283	456	391	357	356	438	434	298	304	325	297	234	231	305	8863
122	Liquid Heaters and Vaporizers	1186	101	76	56	68	99	47	59	35	86	82	82	82	82	86	65	64	46	43	52	56	51	2604
123	Internal-Combustion Engines	12402	1116	1196	1154	1082	843	864	1076	1108	1294	1240	1397	1752	1776	1741	1664	1622	1836	1636	1513	1137	1283	40732
124	Mechanical Guns and Projectors	712	70	79	77	84	92	108	104	138	106	109	101	82	79	114	138	81	71	95	76	80	146	2742

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
125	Stone Working	327	45	21	28	36	24	20	24	31	41	47	68	64	61	39	38	47	63	30	30	13	29	1126
126	Stoves and Furnaces	4610	240	198	144	149	167	169	139	143	162	230	224	184	122	164	166	154	78	61	62	71	169	7806
127	Sugar, Starch, and Carbohydrates	385	19	31	30	20	25	23	22	18	32	47	21	26	25	12	15	6	11	12	5	6	15	806
128	Surgery	2204	306	365	294	324	390	389	494	522	653	558	588	481	523	573	521	411	505	374	302	335	507	11619
131	Tobacco	1703	157	164	174	94	83	90	91	92	129	80	89	60	67	73	92	45	30	48	34	43	95	3533
132	Toilet	1010	107	134	118	103	130	96	136	140	244	322	239	188	169	157	102	66	94	113	72	81	88	3909
134	Cleaning and Liquid Contact with Solids	1916	205	271	262	270	317	321	303	322	433	549	438	462	514	554	390	302	272	284	267	287	390	9329
135	Tent, Canopy, Umbrella, or Cane	573	75	62	74	86	126	90	95	105	131	112	122	186	134	93	123	81	78	102	90	116	123	2777
136	Batteries: Thermoelectric and Photoelectric	1060	57	71	63	72	76	91	85	65	72	118	173	203	180	147	113	55	58	78	60	82	196	3175
137	Fluid Handling	7738	676	699	678	662	623	581	555	539	746	903	947	1020	722	673	686	693	678	539	443	407	531	21739
138	Pipes and Tubular Conduits	1454	84	105	75	81	111	127	114	110	172	240	275	216	177	158	135	152	150	88	90	137	134	4385
139	Textiles: Weaving	1515	128	142	124	100	110	119	100	98	109	89	137	156	98	41	67	95	102	44	56	80	69	3579
140	Wireworking	454	31	27	35	29	25	26	33	33	36	33	31	26	21	28	19	8	33	22	19	7	7	983
141	Fluent Material Handling, with Receiver or Receiver Coacting Means	1830	176	173	184	217	255	209	228	215	237	298	251	347	312	289	333	268	276	232	133	143	209	6815
142	Wood Turning	29	3	3	5	1	1	1	3	2	1	5	2	2	0	1	0	0	0	0	0	1	0	60
144	Woodworking	1366	121	106	130	87	109	101	80	91	107	139	133	110	111	121	72	53	109	74	83	65	109	3477
147	Coopering	3	0	0	0	0	0	1	0	0	1	0	0	4	0	0	0	0	0	0	0	0	1	10
148	Metal Treatment	3254	313	318	379	386	367	378	339	293	393	406	403	469	479	470	345	227	202	191	202	229	339	10382
149	Explosive and Thermic Compositions or Charges	710	65	77	31	27	19	52	82	46	55	41	73	57	43	61	45	62	25	2	8	14	40	1635
150	Purses, Wallets, and Protective Covers	132	23	18	21	21	19	15	15	10	20	17	28	23	18	21	15	9	13	18	10	24	25	515
152	Resilient Tires and Wheels	1474	127	116	116	160	160	135	104	125	146	130	178	170	233	225	169	149	172	147	125	120	134	4615
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	7907	766	655	695	767	758	806	751	887	1058	1128	1070	1076	1078	1188	1050	751	732	614	555	485	805	25582
157	Wheelwright Machines	185	11	20	15	18	10	8	7	5	5	7	15	23	8	14	7	12	16	20	18	17	15	456
159	Concentrating Evaporators	278	13	14	28	26	10	12	11	5	14	9	8	5	8	3	7	14	7	5	4	7	9	497
160	Flexible or Portable Closure, Partition, or Panel	1096	123	157	170	123	122	125	159	165	173	171	244	212	172	188	193	168	162	138	98	112	179	4450
162	Paper Making and Fiber Liberation	1896	230	189	226	215	206	224	269	295	330	286	326	423	427	309	271	192	209	204	200	193	269	7389
163	Needle and Pin Making	12	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	15
164	Metal Founding	2759	251	260	187	258	260	175	196	200	225	244	162	205	261	290	201	218	235	183	104	105	153	7132
165	Heat Exchange	3970	319	351	316	307	335	253	301	266	346	380	371	420	373	346	417	424	544	359	253	251	306	11208
166	Wells	4595	378	402	400	417	528	406	308	248	386	423	518	632	525	596	648	515	841	755	744	693	1069	16027
168	Farriery	70	6	14	14	12	9	2	7	9	8	6	12	10	16	10	10	6	3	5	6	9	3	247
169	Fire Extinguishers	465	43	53	63	45	33	32	59	56	67	88	97	49	52	45	49	49	58	40	50	35	80	1608
171	Unearthing Plants or Buried Objects	134	13	8	5	8	6	8	5	5	6	2	7	4	5	6	5	4	6	1	1	2	7	248
172	Earth Working	1684	107	86	83	75	82	109	110	94	134	111	131	127	100	87	97	91	90	46	37	70	100	3651
173	Tool Driving or Impacting	946	53	77	86	46	65	53	57	54	76	86	99	91	66	90	115	104	124	83	109	96	125	2701
174	Electricity: Conductors and Insulators	2724	223	288	243	336	364	404	355	317	488	416	516	914	954	792	751	682	654	640	628	620	679	13988
175	Boring or Penetrating the Earth	2095	169	191	184	160	223	170	181	154	214	233	270	306	276	261	229	203	275	265	280	256	385	6980
177	Weighing Scales	1249	76	64	89	90	75	41	36	60	111	92	57	69	84	87	94	65	85	83	69	71	63	2810
178	Telegraphy	457	27	39	32	32	26	41	55	40	36	32	10	14	11	11	14	5	10	7	2	1	5	907
180	Motor Vehicles	4012	351	419	355	327	340	215	303	198	356	416	457	491	537	570	506	571	577	587	610	680	863	13741
181	Acoustics	1518	125	118	109	113	98	112	111	101	154	173	171	126	152	179	144	126	72	110	142	151	202	4307
182	Fire Escape, Ladder, or Scaffold	1452	133	151	169	83	138	104	97	104	151	191	162	130	166	128	153	137	144	95	47	33	78	4046
184	Lubrication	426	75	69	54	71	54	53	59	42	52	44	60	69	66	62	41	39	41	34	31	18	50	1510
185	Motors: Spring, Weight, or Animal Powered	60	5	0	3	5	3	5	0	4	3	5	4	3	6	2	4	2	1	0	0	2	2	119
186	Merchandising	76	9	11	20	10	8	9	13	9	12	9	10	6	7	17	10	3	3	8	3	4	4	261
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	913	64	125	106	114	123	101	120	111	154	182	116	132	171	102	70	67	112	128	130	132	147	3420
188	Brakes	2751	197	227	236	212	238	275	295	203	253	307	295	481	448	315	251	290	302	261	240	212	230	8519
190	Trunks and Hand-Carried Luggage	232	19	24	42	24	26	37	37	31	37	38	39	47	40	47	23	26	31	22	21	20	19	882

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
191	Electricity: Transmission To Vehicles	190	9	17	16	20	16	10	13	21	18	15	14	35	23	15	13	14	12	5	2	11	10	499
192	Clutches and Power-Stop Control	2945	304	327	289	179	162	177	245	280	265	393	359	275	298	326	296	223	259	192	174	162	214	8344
193	Conveyors, Chutes, Skids, Guides, and Ways	253	18	25	18	20	13	14	9	11	4	26	26	35	28	17	16	11	19	16	15	20	15	629
194	Check-Actuated Control Mechanisms	538	41	57	56	60	68	89	83	51	56	84	81	66	34	56	45	52	36	31	18	36	68	1706
196	Mineral Oils: Apparatus	75	3	6	4	5	3	2	2	4	5	2	4	1	1	0	0	0	2	0	2	4	2	127
198	Conveyors: Power-Driven	3768	387	425	468	389	423	327	304	282	321	422	421	523	474	486	411	313	342	340	334	315	425	11900
199	Type Casting	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	Electricity: Circuit Makers and Breakers	3983	277	263	208	233	259	239	251	249	389	363	345	275	325	384	418	359	414	341	326	350	319	10570
201	Distillation: Processes, Thermolytic	340	9	7	10	1	6	13	5	14	12	3	5	3	1	3	3	4	9	0	5	9	16	478
202	Distillation: Apparatus	736	38	28	27	44	32	36	29	31	31	35	24	25	21	26	21	18	23	15	21	22	25	1308
203	Distillation: Processes, Separatory	874	79	56	86	83	62	81	62	68	84	74	48	40	71	43	33	36	35	32	33	40	28	2048
204	Chemistry: Electrical and Wave Energy	5262	461	377	493	466	532	488	422	425	477	544	688	725	681	606	521	404	342	349	317	312	482	15374
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	4576	325	281	343	338	347	329	295	285	276	351	334	470	393	348	353	242	204	202	178	177	255	10902
206	Special Receptacle or Package	5492	624	588	571	597	655	632	631	614	853	872	804	685	618	561	486	530	492	384	529	445	632	18295
208	Mineral Oils: Processes and Products	4078	293	274	207	206	280	183	126	134	152	254	207	193	169	152	144	106	117	140	163	165	249	7992
209	Classifying, Separating, and Assorting Solids	2617	187	178	184	198	187	182	166	159	165	222	220	227	175	160	184	146	142	126	145	113	152	6235
210	Liquid Purification or Separation	9367	1017	1132	1281	1201	954	1042	1118	1115	1162	1159	1178	1225	1048	1003	996	893	881	971	931	847	1013	31534
211	Supports: Racks	1715	206	239	248	232	246	185	234	258	332	303	321	308	300	293	251	227	227	195	112	107	202	6741
212	Traversing Hoists	506	32	36	42	30	16	26	24	44	47	37	51	38	30	53	21	14	34	38	45	42	40	1246
213	Railway Draft Appliances	173	14	14	28	11	14	14	27	14	15	14	14	22	14	5	14	5	10	9	10	15	19	475
215	Bottles and Jars	1784	145	162	153	126	122	156	121	133	186	197	165	135	117	102	93	91	117	80	70	83	123	4461
216	Etching a Substrate: Processes	948	139	142	137	229	205	208	156	192	238	229	215	224	246	257	229	197	241	228	233	198	212	5303
217	Wooden Receptacles	47	2	0	2	1	5	2	2	0	5	5	3	1	1	1	0	2	1	0	2	0	3	85
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices	895	45	44	50	34	39	26	52	34	79	55	47	65	60	48	57	33	30	22	14	23	36	1788
219	Electric Heating	7607	743	686	670	691	720	639	601	557	838	955	1162	1131	1121	1046	1085	950	1023	801	579	487	667	24759
220	Receptacles	3630	446	402	407	412	393	377	383	347	453	515	482	488	402	283	285	230	288	216	187	291	389	11306
221	Article Dispensing	1087	96	123	116	114	110	119	127	85	135	144	152	174	141	184	151	98	142	100	81	73	111	3663
222	Dispensing	4581	539	573	534	510	573	520	466	437	558	790	628	649	641	448	470	420	415	344	238	264	488	15086
223	Apparel Apparatus	436	44	71	60	31	30	49	53	73	61	82	94	85	51	36	55	44	39	54	43	21	43	1555
224	Package and Article Carriers	1513	199	208	158	206	203	256	260	267	319	302	246	295	252	223	224	140	110	97	85	60	132	5755
225	Severing by Tearing or Breaking	421	25	40	56	36	36	32	31	23	36	35	21	26	29	37	37	30	31	17	12	14	19	1044
226	Advancing Material of Indeterminate Length	844	47	35	37	47	60	42	33	35	80	58	47	51	53	43	26	18	16	21	18	5	10	1626
227	Elongated-Member-Driving Apparatus	996	70	90	80	70	78	93	106	123	126	110	124	94	83	120	148	133	175	132	145	159	224	3479
228	Metal Fusion Bonding	1901	197	235	278	299	273	241	204	203	181	259	371	384	328	300	304	257	191	136	199	176	315	7232
229	Envelopes, Wrappers, and Paperboard Boxes	1859	204	227	184	190	221	186	162	141	200	199	191	188	153	118	58	97	76	83	77	90	137	5041
231	Whips and Whip Apparatus	10	0	2	0	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0	3	1	2	23
232	Deposit and Collection Receptacles	265	34	30	27	16	17	38	22	23	25	28	19	23	18	21	25	28	37	52	42	22	22	834
234	Selective Cutting (e.g., Punching)	26	0	0	1	0	1	0	0	0	0	0	0	0	0	2	3	2	8	1	3	0	2	49
235	Registers	1953	194	235	239	316	311	365	350	318	446	568	601	514	597	798	813	619	1041	1026	1085	1016	1193	14598
236	Automatic Temperature and Humidity Regulation	1102	70	55	61	93	78	59	57	45	67	87	80	82	86	75	68	59	64	69	41	47	105	2550
237	Heating Systems	473	42	28	26	32	25	19	23	24	49	45	46	38	39	39	31	23	26	7	11	5	11	1062
238	Railways: Surface Track	352	34	20	36	14	17	20	27	20	31	14	21	32	36	24	23	14	19	10	14	10	34	822
239	Fluid Sprinkling, Spraying, and Diffusing	4101	397	384	387	398	421	340	306	354	531	574	639	479	498	537	633	513	557	361	297	294	451	13452
241	Solid Material Comminution or Disintegration	2408	226	217	199	247	236	225	249	218	245	281	212	174	198	215	156	148	201	238	190	238	302	7023
242	Winding, Tensioning, or Guiding	5156	448	377	339	447	549	367	445	421	574	536	528	442	506	462	367	338	339	316	291	223	236	13707
244	Aeronautics and Astronautics	2884	251	350	391	294	283	238	223	213	404	386	435	446	449	441	428	351	369	345	281	358	484	10304
245	Wire Fabrics and Structure	15	1	1	0	1	0	0	0	0	1	0	1	3	0	0	0	1	2	1	1	0	0	28
246	Railway Switches and Signals	252	23	21	27	26	29	33	38	37	45	16	31	33	37	37	24	16	28	27	19	20	27	846
248	Supports	4425	610	710	665	491	538	492	491	493	753	723	804	685	798	738	496	405	466	500	420	597	808	17108

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
249	Static Molds	902	45	35	41	39	28	31	35	45	50	39	35	54	45	46	60	39	57	46	23	27	36	1758
250	Radiant Energy	8916	1242	1320	1187	1072	1164	1110	1002	884	1121	1026	1036	1284	1478	1679	1781	1474	2281	2008	2213	2183	2281	39742
251	Valves and Valve Actuation	2584	267	218	261	245	250	166	178	167	244	286	341	244	254	284	326	367	382	210	179	174	223	7850
252	Compositions	4244	408	522	546	542	535	502	532	502	666	655	602	511	431	554	529	326	441	421	435	433	644	14981
254	Implements or Apparatus for Applying Pushing or Pulling Force	1466	91	78	114	130	91	72	85	99	100	144	150	135	138	162	116	124	148	123	138	112	122	3938
256	Fences	462	47	36	39	39	34	38	45	54	51	49	62	70	46	73	57	64	54	35	48	53	44	1500
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	4616	960	1245	1119	1006	1390	1368	1545	1622	2419	2623	2716	2979	3583	4300	4699	4303	4498	4313	4122	4674	6908	67008
258	Railway Mail Delivery	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
260	Chemistry of Carbon Compounds	26	0	2	4	8	6	3	1	3	4	0	3	10	2	2	2	2	0	1	5	3	2	89
261	Gas and Liquid Contact Apparatus	1646	102	98	101	86	67	75	101	92	86	111	119	136	130	124	121	78	117	108	98	103	104	3803
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	7814	812	906	1017	997	750	805	772	890	1112	995	975	997	885	998	988	656	646	540	505	525	1117	25702
266	Metallurgical Apparatus	1741	108	129	117	111	145	120	87	79	75	86	92	92	88	94	69	43	36	45	57	84	88	3586
267	Spring Devices	1199	143	123	145	146	124	107	117	110	119	149	158	184	220	177	109	82	113	99	102	65	77	3868
269	Work Holders	1130	115	80	107	85	74	57	82	64	104	127	137	123	122	122	95	86	89	64	52	35	69	3019
270	Sheet-Material Associating	495	68	95	99	52	55	63	60	63	68	34	33	60	45	52	66	32	54	48	75	119	139	1875
271	Sheet Feeding or Delivering	2226	230	342	383	351	287	261	229	241	202	324	319	358	289	379	251	219	215	215	338	436	561	8656
273	Amusement Devices: Games	2787	278	285	297	259	338	339	313	326	362	311	294	312	322	302	219	189	219	232	224	228	260	8696
276	Typesetting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
277	Seal for a Joint or Juncture	2381	123	192	183	188	165	134	240	212	183	226	258	326	296	263	249	206	187	107	112	68	157	6456
278	Land Vehicles: Animal Draft Appliances	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
279	Chucks or Sockets	469	30	47	47	49	61	52	38	26	57	72	47	71	55	76	37	57	23	34	29	24	34	1435
280	Land Vehicles	6974	683	817	698	795	929	926	1012	817	1118	1184	1394	1502	1379	1152	1148	1112	1139	1165	1219	1170	1571	29904
281	Books, Strips, and Leaves	300	48	43	42	55	37	45	37	46	51	71	54	48	34	19	24	17	15	8	13	10	28	1045
283	Printed Matter	441	74	87	85	88	97	100	75	79	120	138	125	117	77	54	66	33	33	24	30	18	47	2008
285	Pipe Joints or Couplings	2899	256	258	319	250	324	265	253	189	299	315	287	293	346	294	229	251	251	165	276	269	320	8608
289	Knots and Knot Tying	103	4	4	2	2	1	1	5	9	3	7	5	10	7	10	7	4	3	5	4	7	3	206
290	Prime-Mover Dynamo Plants	868	35	31	42	22	34	34	17	26	65	54	83	108	106	98	168	183	199	193	240	250	262	3118
291	Track Sanders	14	3	0	1	0	0	0	3	0	0	0	1	0	1	2	1	5	1	1	1	3	1	38
292	Closure Fasteners	1815	241	255	220	148	113	134	211	196	184	189	234	126	242	239	162	160	182	194	172	151	170	5738
293	Vehicle Fenders	311	33	32	38	25	21	19	15	22	30	28	32	61	56	55	69	74	54	60	56	53	48	1192
294	Handling: Hand and Hoist-Line Implements	1956	147	141	165	169	170	165	183	181	239	210	241	195	211	153	81	91	142	149	121	129	162	5401
295	Railway Wheels and Axles	35	3	4	1	1	1	0	4	4	0	9	2	3	4	5	4	1	0	1	1	1	3	87
296	Land Vehicles: Bodies and Tops	2585	372	392	321	292	278	239	318	287	436	539	626	796	730	781	788	731	822	745	702	662	864	14306
297	Chairs and Seats	2863	262	273	299	233	457	344	460	447	540	591	652	490	555	639	629	480	626	505	549	546	677	13117
298	Land Vehicles: Dumping	173	10	14	11	14	11	20	20	7	17	11	21	25	16	27	24	17	13	11	12	6	16	496
299	Mining or In Situ Disintegration of Hard Material	1447	73	56	78	55	39	43	40	45	39	39	45	57	53	45	36	36	36	29	67	43	43	2444
300	Brush, Broom, and Mop Making	62	13	7	15	9	9	13	12	15	12	12	5	12	12	13	12	8	3	6	8	8	10	276
301	Land Vehicles: Wheels and Axles	517	56	63	62	49	59	48	75	56	79	86	122	128	132	119	97	79	90	58	75	64	64	2178
303	Fluid-Pressure and Analogous Brake Systems	1648	159	170	176	223	218	220	217	191	216	231	274	302	247	187	132	142	140	117	142	95	131	5578
305	Wheel Substitutes for Land Vehicles	322	18	15	17	15	20	22	14	18	34	31	41	44	51	45	28	31	27	28	26	20	38	905
307	Electrical Transmission or Interconnection Systems	1778	99	104	117	178	138	164	222	275	320	386	327	276	288	316	301	142	286	289	318	431	555	7310
310	Electrical Generator or Motor Structure	4611	440	488	508	491	480	432	426	491	863	873	911	997	988	878	1365	1105	1053	917	968	1207	1403	21895
312	Supports: Cabinet Structure	1752	136	149	170	195	163	213	193	191	235	263	272	207	250	219	207	174	130	121	113	113	210	5676
313	Electric Lamp and Discharge Devices	3380	340	337	292	269	206	299	397	376	607	610	556	601	729	1031	915	692	769	764	723	825	1141	15859
314	Electric Lamp and Discharge Devices: Consumable Electrodes	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	10
315	Electric Lamp and Discharge Devices: Systems	3708	409	480	364	320	332	401	357	305	453	472	539	617	730	750	643	517	575	535	499	419	520	13945
318	Electricity: Motive Power Systems	4345	445	426	416	468	420	422	467	419	663	618	634	585	580	526	564	562	779	621	583	614	645	15802

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
320	Electricity: Battery or Capacitor Charging or Discharging	678	32	58	105	122	110	102	149	267	245	323	361	397	355	295	251	208	183	186	246	503	623	5799
322	Electricity: Single Generator Systems	458	32	44	35	42	36	18	55	53	62	37	49	50	38	37	62	36	66	75	62	75	48	1470
323	Electricity: Power Supply or Regulation Systems	1463	132	110	136	110	131	168	197	260	267	312	305	334	327	292	277	294	400	384	375	491	576	7341
324	Electricity: Measuring and Testing	6794	860	872	918	874	829	1020	1242	986	983	936	1179	1475	1896	1835	1821	1685	1952	1801	1701	1738	1970	35367
326	Electronic Digital Logic Circuitry	1436	223	310	324	242	289	356	374	313	335	360	545	596	596	523	562	517	550	667	658	578	749	11103
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	4180	379	450	540	393	532	642	717	597	989	1094	1219	1412	1457	1261	1207	1071	1292	1174	1038	1236	1518	24398
329	Demodulators	422	29	27	39	17	30	42	28	31	36	30	36	32	17	24	27	17	17	9	16	21	19	966
330	Amplifiers	2433	189	245	251	195	269	252	208	210	266	354	426	451	477	551	589	478	651	652	639	612	666	11064
331	Oscillators	1670	151	161	186	127	158	173	169	176	228	220	268	299	223	346	356	293	380	397	376	407	449	7213
332	Modulators	284	21	33	36	21	33	48	39	24	41	35	27	32	25	37	21	21	25	29	18	32	64	946
333	Wave Transmission Lines and Networks	2658	185	256	248	204	265	236	218	215	339	346	358	309	472	590	538	514	482	398	427	491	479	10228
334	Tuners	94	4	0	0	2	2	1	0	0	4	4	1	2	4	2	1	3	4	1	2	3	5	139
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets	1972	159	179	155	154	195	156	179	151	123	220	193	222	202	204	243	245	240	154	136	188	231	5901
336	Inductor Devices	753	53	49	41	55	68	66	76	48	110	102	127	136	179	203	184	243	222	205	185	152	257	3514
337	Electricity: Electrothermally or Thermally Actuated Switches	1062	70	53	72	63	46	31	39	69	99	105	64	48	76	106	81	38	46	40	49	58	61	2376
338	Electrical Resistors	1258	112	104	84	92	106	49	67	63	86	118	103	100	105	80	53	50	97	69	47	49	97	2989
340	Communications: Electrical	6543	691	667	626	656	668	838	961	1073	1384	1395	1544	1434	1306	1089	1487	1491	2220	1723	1905	1871	2215	33787
341	Coded Data Generation or Conversion	2008	285	296	259	291	250	313	319	473	568	442	460	645	768	724	721	653	816	805	884	748	806	13534
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	2627	271	315	322	301	354	340	418	300	404	462	500	530	593	565	586	420	515	496	541	685	709	12254
343	Communications: Radio Wave Antennas	1995	171	184	178	234	207	217	262	250	306	555	608	759	779	594	610	779	893	730	810	785	835	12741
345	Computer Graphics Processing and Selective Visual Display Systems	2690	385	402	419	533	703	761	905	1053	1667	1570	1635	1876	1866	1885	2171	2007	2940	2488	2352	2594	3322	36224
346	Recorders	876	75	45	53	49	61	33	20	9	17	22	22	12	12	5	2	4	4	4	2	1	1	1329
347	Incremental Printing of Symbolic Information	3096	436	347	451	471	410	500	597	596	1049	1028	1414	1757	1881	1712	1578	1337	1485	1554	1831	1678	2266	27474
348	Television	6431	722	823	822	839	962	940	1043	860	1157	1097	1036	1016	1052	1069	1280	1098	1602	1371	1634	1945	2345	31144
349	Liquid Crystal Cells, Elements and Systems	1191	176	206	273	237	244	257	385	375	601	509	653	621	628	859	1007	993	951	842	997	1409	1692	15106
351	Optics: Eye Examining, Vision Testing and Correcting	1262	171	170	159	167	150	202	202	196	279	324	313	296	261	315	311	245	296	364	417	379	438	6917
352	Optics: Motion Pictures	509	23	28	25	15	10	12	21	23	18	26	22	20	18	26	36	21	23	17	12	11	13	929
353	Optics: Image Projectors	594	61	43	51	66	72	87	85	95	113	97	101	133	212	257	305	269	403	382	342	252	318	4338
355	Photocopying	2254	293	280	219	126	159	150	95	191	224	252	226	321	269	300	365	345	469	393	399	283	321	7934
356	Optics: Measuring and Testing	5403	526	631	617	590	666	768	709	729	1050	986	1033	708	884	1263	1222	1100	1387	1540	1665	1576	1708	26761
358	Facsimile and Static Presentation Processing	2209	448	414	474	525	630	587	724	635	916	779	745	677	717	791	825	915	1350	1290	1355	1462	1700	20168
359	Optical: Systems and Elements	6355	822	876	958	864	754	753	1064	1120	1604	1563	1652	1773	1844	1911	2088	2011	2372	2025	2065	2028	2379	38881
360	Dynamic Magnetic Information Storage or Retrieval	5640	596	694	629	705	764	781	702	754	1123	1143	1212	1121	1200	1251	1471	1129	1472	1137	1085	1135	1058	26802
361	Electricity: Electrical Systems and Devices	6093	654	592	788	714	698	855	971	852	1387	1291	1390	1608	1934	1891	1856	1453	1712	1891	2005	2124	2498	35257
362	Illumination	3583	463	516	516	401	430	539	531	537	649	670	879	968	979	1089	920	958	1261	1375	1200	1346	1819	21629
363	Electric Power Conversion Systems	2267	232	217	195	177	217	222	259	375	403	511	459	489	488	359	308	292	352	309	330	398	476	9335
365	Static Information Storage and Retrieval	3540	466	495	368	628	1016	922	1009	1140	1515	1761	1929	1981	1970	1956	2009	2018	2177	2296	2339	2386	2738	36659
366	Agitating	2162	190	136	113	143	193	175	225	160	213	214	204	243	191	205	180	163	147	157	182	125	163	5884
367	Communications, Electrical: Acoustic Wave Systems and Devices	2167	330	265	264	225	207	189	228	173	222	166	193	150	134	134	143	147	143	180	241	217	276	6394
368	Horology: Time Measuring Systems or Devices	2100	105	136	109	139	134	100	113	117	145	140	132	183	158	168	167	125	175	152	198	151	192	5139
369	Dynamic Information Storage or Retrieval	2604	277	414	539	599	555	641	720	722	926	790	792	833	868	932	941	738	1200	1170	1151	1060	1314	19786
370	Multiplex Communications	2951	414	358	421	524	741	867	1038	908	1232	1514	1832	1941	2241	2575	2924	2745	3817	3179	4527	5305	7416	49470
372	Coherent Light Generators	2584	404	435	419	447	560	412	351	353	504	466	473	454	442	702	864	612	591	413	491	577	731	13285

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
373	Industrial Electric Heating Furnaces	784	27	21	35	58	45	51	55	27	36	72	56	36	42	30	29	14	24	13	11	3	10	1479
374	Thermal Measuring and Testing	1338	95	126	152	137	125	59	62	127	193	98	176	138	138	150	145	160	176	100	164	217	221	4297
375	Pulse or Digital Communications	2607	346	439	476	519	610	718	857	869	1242	1245	1346	1358	1462	1572	1679	1569	2396	2131	2289	2280	3022	31032
376	Induced Nuclear Reactions: Processes, Systems, and Elements	2799	200	246	297	299	294	185	171	137	185	156	82	115	110	110	94	83	36	28	40	61	70	5798
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	1132	69	88	89	75	74	80	53	45	53	52	66	45	65	31	40	54	31	27	38	41	50	2298
378	X-Ray or Gamma Ray Systems or Devices	2406	263	323	285	258	218	279	313	276	316	269	379	534	600	451	429	467	633	565	610	698	750	11322
379	Telephonic Communications	3592	415	351	329	357	496	648	739	620	1047	1108	920	970	997	1058	1301	935	1256	905	706	788	943	20481
380	Cryptography	704	109	116	113	140	135	137	141	171	235	158	236	206	168	98	168	224	369	411	374	490	584	5487
381	Electrical Audio Signal Processing Systems and Devices	1968	166	186	182	223	205	257	287	331	510	326	363	278	321	400	493	369	625	518	465	492	675	9640
382	Image Analysis	1649	311	475	439	429	419	407	550	657	1325	1354	1245	1416	1243	1629	1787	1364	2305	2162	2430	2625	3373	29594
383	Flexible Bags	680	93	101	76	80	85	65	68	61	89	117	134	133	100	81	67	82	68	61	46	55	64	2406
384	Bearings	2546	252	246	221	215	208	227	258	196	258	266	268	311	305	299	266	240	256	214	210	225	262	7749
385	Optical Waveguides	3273	548	684	646	613	578	563	573	675	863	838	867	1322	1616	1900	2007	1917	1979	1816	1621	1315	1266	27480
386	Motion Video Signal Processing for Recording or Reproducing	1537	148	147	180	183	160	179	277	225	334	338	310	334	375	349	361	265	397	479	487	492	562	8119
388	Electricity: Motor Control Systems	472	29	23	13	15	24	22	21	19	18	25	21	11	15	9	14	5	13	10	14	11	18	822
392	Electric Resistance Heating Devices	699	61	62	71	76	79	71	55	66	91	117	131	129	108	80	87	119	125	99	58	63	94	2541
396	Photography	5338	457	478	450	487	531	483	694	752	967	728	673	522	571	475	440	218	228	188	364	612	748	16404
398	Optical Communications	724	109	151	137	120	225	212	261	200	298	338	292	339	407	441	393	306	616	650	598	635	712	8164
399	Electrophotography	3701	529	634	660	685	682	634	900	727	1064	1080	956	931	942	924	972	895	1175	1246	1301	1301	1752	23691
400	Typewriting Machines	2685	252	317	295	240	208	238	256	222	321	329	307	243	263	268	288	263	262	212	153	124	143	7889
401	Coating Implements with Material Supply	916	151	182	110	102	118	87	75	67	122	263	225	296	238	199	202	182	195	173	162	128	163	4356
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	238	33	41	29	30	29	29	25	38	51	47	52	47	36	33	31	22	16	16	16	20	39	918
403	Joints and Connections	2335	259	231	222	183	159	170	223	253	271	199	242	296	295	271	243	162	142	101	132	111	132	6632
404	Road Structure, Process, or Apparatus	1024	121	137	107	145	128	137	138	103	108	147	141	117	152	149	155	126	175	149	140	143	160	3902
405	Hydraulic and Earth Engineering	3763	350	390	333	382	287	270	366	269	388	353	289	291	344	333	301	251	330	209	243	228	287	10257
406	Conveyors: Fluid Current	856	57	69	57	58	25	22	51	35	42	31	49	65	68	48	30	21	33	28	27	30	30	1732
407	Cutters, for Shaping	491	47	76	61	70	39	26	40	49	77	83	84	72	39	77	81	63	73	58	65	77	58	1806
408	Cutting by Use of Rotating Axially Moving Tool	1197	117	141	125	111	129	105	83	101	150	170	95	130	86	104	60	81	121	105	82	89	80	3462
409	Gear Cutting, Milling, or Planing	961	105	97	88	82	87	71	66	91	108	117	115	91	106	97	87	86	97	121	82	63	51	2869
410	Freight Accommodation On Freight Carrier	521	39	62	42	29	39	52	47	38	61	71	97	89	80	95	103	80	98	78	83	72	93	1969
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	1606	224	188	201	183	165	157	171	185	229	197	202	194	176	155	179	142	158	121	96	79	169	5177
412	Bookbinding: Process and Apparatus	133	21	28	28	22	23	22	16	26	20	25	37	26	26	22	19	13	8	9	13	15	34	586
413	Sheet Metal Container Making	161	7	10	13	8	8	1	6	10	11	16	7	3	7	10	12	8	7	4	6	1	2	318
414	Material or Article Handling	5492	491	537	454	435	453	465	478	411	452	482	572	406	464	434	391	290	301	239	225	245	305	14022
415	Rotary Kinetic Fluid Motors or Pumps	1880	170	144	235	244	219	186	234	167	189	189	275	301	380	384	329	363	396	337	285	299	406	7612
416	Fluid Reaction Surfaces (i.e., Impellers)	1652	109	105	155	192	168	158	168	139	131	160	236	238	287	223	212	189	256	269	237	255	307	5846
417	Pumps	3962	349	417	425	443	387	310	423	354	368	443	676	687	646	627	432	269	356	230	235	246	312	12597
418	Rotary Expansible Chamber Devices	1540	125	163	163	134	154	145	155	110	130	96	283	231	171	168	142	95	123	121	133	147	145	4674
419	Powder Metallurgy Processes	707	93	81	65	34	94	106	90	73	70	102	75	75	69	88	63	40	42	40	44	49	73	2173
420	Alloys or Metallic Compositions	1394	119	145	135	89	101	80	69	57	65	80	58	68	67	59	73	39	18	17	32	38	61	2864
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	3883	402	470	601	592	578	640	554	496	612	677	589	629	626	698	607	508	484	624	617	693	1133	16713
423	Chemistry of Inorganic Compounds	7396	521	547	567	541	486	426	409	386	428	494	477	496	484	492	439	378	498	369	410	537	802	17583
424	Drug, Bio-Affecting and Body Treating Compositions	6734	1022	1145	1206	1280	1268	1368	1610	2507	2954	3199	2788	3198	3255	3088	2203	1762	2236	1956	1868	1827	2852	51326
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	4828	405	436	430	427	424	361	377	397	474	386	384	460	410	389	430	276	503	501	416	351	465	13530

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
426	Food or Edible Material: Processes, Compositions, and Products	6203	714	671	655	625	561	584	635	532	620	883	915	866	734	684	582	325	402	322	242	285	441	18481
427	Coating Processes	6890	602	725	749	695	830	781	782	874	967	1057	1090	961	1006	996	940	697	483	580	558	729	1117	24109
428	Stock Material or Miscellaneous Articles	15314	1799	1698	1952	1833	1916	1981	2202	2357	2782	2990	2772	2955	3110	3221	3224	2278	1960	1873	1609	1709	2497	64032
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	3459	269	258	282	355	387	444	534	486	496	499	670	791	892	926	941	764	789	766	750	996	1713	17467
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	9599	1180	1214	1049	1468	1588	1464	1429	1358	1653	1759	1818	1752	1633	1617	1525	1094	1337	1154	1111	1131	1391	39324
431	Combustion	2054	168	135	168	159	156	182	166	130	191	256	234	196	171	187	181	169	103	77	57	101	103	5344
432	Heating	1745	124	100	88	80	61	48	53	71	112	136	100	107	88	101	59	48	38	32	41	30	44	3306
433	Dentistry	2405	209	332	309	264	296	211	262	262	443	400	366	455	336	266	240	243	317	257	170	105	212	8360
434	Education and Demonstration	1693	134	145	155	234	192	181	203	172	286	275	288	227	248	269	258	225	184	144	110	105	130	5858
435	Chemistry: Molecular Biology and Microbiology	6400	932	970	1250	1503	1423	1498	2079	2838	4011	3984	3451	3932	3531	3092	2682	2401	3126	2935	2688	2711	3720	61157
436	Chemistry: Analytical and Immunological Testing	2432	208	232	289	342	290	317	323	319	455	465	365	408	441	445	411	339	317	394	420	428	648	10288
438	Semiconductor Device Manufacturing: Process	4871	603	802	893	1140	1233	1484	1407	1774	2300	3415	4486	5671	5480	5120	5126	4473	4814	4502	4531	4910	6142	75177
439	Electrical Connectors	6906	929	943	987	938	949	935	994	1201	1312	1665	2243	2232	1972	1712	1991	1807	2291	1938	2178	2074	2403	40600
440	Marine Propulsion	978	167	149	125	135	138	133	139	119	152	161	211	223	212	205	205	201	190	184	168	140	107	4442
441	Buoys, Rafts, and Aquatic Devices	648	75	63	72	63	94	81	75	82	94	85	94	92	82	90	82	78	101	85	65	51	69	2321
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	1474	140	118	139	174	169	176	167	178	217	222	222	170	116	171	198	105	101	109	127	145	249	4887
445	Electric Lamp or Space Discharge Component or Device Manufacturing	494	75	59	79	70	45	44	74	95	115	132	165	106	106	163	186	177	185	124	95	119	144	2852
446	Amusement Devices: Toys	2171	216	205	206	171	217	174	183	136	257	260	330	285	309	367	281	174	154	137	128	122	182	6665
449	Bee Culture	102	0	8	5	1	5	2	3	7	3	3	3	1	6	7	3	3	4	1	3	4	3	177
450	Foundation Garments	159	8	13	13	9	5	16	9	20	28	42	58	52	54	24	39	39	42	43	43	35	49	800
451	Abrading	2802	292	295	315	308	283	284	351	426	400	530	670	852	791	737	729	738	808	522	321	292	297	13043
452	Butchering	1051	96	98	140	109	113	86	95	65	92	89	114	102	53	67	50	49	95	84	87	89	92	2916
453	Coin Handling	206	13	31	27	18	22	27	29	13	16	24	30	24	16	35	27	10	20	17	14	16	16	651
454	Ventilation	1138	107	120	144	120	134	114	116	134	177	149	171	197	176	176	161	129	114	79	72	99	87	3914
455	Telecommunications	2537	248	291	327	413	464	583	779	642	1199	1543	1876	1819	1772	1781	2171	2281	4073	3508	3131	3371	4309	39118
460	Crop Threshing or Separating	298	32	23	25	18	23	32	37	18	33	34	30	33	41	31	44	42	38	33	26	34	38	963
462	Books, Strips, and Leaves for Manifolding	107	13	5	18	20	14	12	3	2	2	3	3	5	5	1	1	0	1	1	2	0	0	218
463	Amusement Devices: Games	536	45	59	63	75	82	89	91	129	228	201	238	354	351	455	422	372	315	318	413	379	802	6017
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	1101	89	74	89	93	107	74	95	114	148	105	117	233	135	103	124	94	123	87	103	81	127	3416
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus	158	3	8	7	13	6	6	7	16	18	15	12	12	10	13	13	8	14	6	16	6	6	373
472	Amusement Devices	310	44	30	33	45	36	44	51	44	69	55	56	45	57	52	56	56	37	30	36	25	80	1291
473	Games Using Tangible Projectile	2850	408	458	468	445	582	617	582	578	795	638	562	597	627	666	610	583	718	640	534	546	734	15238
474	Endless Belt Power Transmission Systems or Components	1514	187	170	135	188	165	156	103	129	149	138	186	137	194	171	130	127	168	128	92	82	177	4626
475	Planetary Gear Transmission Systems or Components	1294	140	164	177	147	138	141	160	173	168	260	213	144	214	311	303	237	311	342	280	297	350	5964
476	Friction Gear Transmission Systems or Components	116	16	18	13	13	12	12	22	16	13	25	38	35	36	36	25	30	32	29	21	15	15	588
477	Interrelated Power Delivery Controls, Including Engine Control	1192	128	210	177	98	83	138	144	181	204	212	202	147	181	216	162	169	158	184	170	183	216	4755
482	Exercise Devices	1998	295	311	299	310	358	326	370	396	451	411	415	371	351	372	364	283	460	349	360	459	650	9959
483	Tool Changing	348	29	26	30	34	33	30	12	28	30	39	36	22	36	22	21	15	27	29	28	21	12	908
492	Roll or Roller	290	26	26	35	26	18	31	22	31	52	38	28	43	46	38	34	27	15	17	12	18	25	898
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	1357	95	147	180	135	97	95	114	89	154	149	171	137	88	151	147	120	103	86	136	93	104	3948

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
494	Imperforate Bowl: Centrifugal Separators	570	42	31	26	38	48	30	52	37	49	53	50	47	48	57	49	41	54	33	37	29	33	1454
501	Compositions: Ceramic	1849	256	386	323	323	316	235	226	216	211	241	207	228	229	227	195	158	180	149	136	190	211	6692
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making	4885	407	464	521	447	358	317	313	283	369	389	478	414	437	401	386	366	346	337	283	371	520	13092
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor	785	153	152	179	182	207	145	121	115	112	125	83	79	56	55	67	49	57	44	40	32	40	2878
504	Plant Protecting and Regulating Compositions	3435	336	264	273	241	201	203	230	265	227	233	229	216	210	169	128	113	86	56	46	56	93	7310
505	Superconductor Technology: Apparatus, Material, Process	60	164	254	275	263	211	155	130	93	87	107	75	62	54	52	42	28	23	20	14	33	52	2254
506	Combinatorial Chemistry Technology: Method, Library, Apparatus	2	1	2	2	4	5	10	34	42	94	94	123	125	146	192	101	71	0	0	23	28	61	1160
507	Earth Boring, Well Treating, and Oil Field Chemistry	828	45	67	64	44	35	35	36	74	64	60	59	65	44	69	83	50	69	75	66	118	181	2231
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions	1977	179	192	184	201	220	188	196	179	203	183	188	210	156	176	130	70	60	68	76	100	184	5320
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	2489	223	261	233	236	256	350	370	348	556	618	522	592	618	544	436	310	367	273	274	296	329	10501
512	Perfume Compositions	438	32	27	27	30	35	18	28	19	23	14	30	27	23	27	21	16	30	34	18	22	39	978
514	Drug, Bio-Affecting and Body Treating Compositions	21445	2355	2533	2390	2581	2130	2521	2933	3615	3833	3967	3949	4101	4289	3863	2972	2713	3310	3118	2916	3487	4686	89707
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	584	48	52	88	55	67	47	58	71	67	62	72	72	71	75	35	18	36	37	31	55	93	1794
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof	400	16	15	17	14	8	17	14	8	23	25	38	46	40	52	58	43	61	36	34	20	47	1032
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	3029	206	222	302	267	231	213	211	228	268	217	248	241	237	237	190	115	85	85	56	67	130	7085
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	683	57	83	82	69	69	102	95	82	122	119	128	123	132	115	102	91	117	97	73	87	131	2759
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	2997	209	266	237	280	283	235	262	230	297	375	378	341	305	261	223	158	204	170	183	197	288	8379
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	8514	601	828	859	888	910	768	806	725	823	996	874	938	938	914	855	549	581	566	481	553	824	24791
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	7105	769	809	895	1057	1077	756	766	661	706	652	714	770	765	696	600	469	510	467	366	365	646	21621
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	3300	294	365	398	442	355	367	343	380	412	321	414	652	624	657	560	402	429	331	305	303	459	12113
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	119	9	18	15	15	6	6	4	8	13	8	5	4	3	3	2	4	4	0	3	2	11	262
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	5610	724	732	796	718	660	552	525	596	646	603	591	637	595	515	506	348	528	369	304	354	532	17441
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	2062	188	286	362	366	303	297	347	548	728	724	557	608	573	540	481	454	751	880	902	748	834	13539
534	Organic Compounds -- Part of the Class 532-570 Series	1207	116	111	92	102	89	82	115	84	110	77	61	53	53	40	39	31	55	28	30	22	28	2625
536	Organic Compounds -- Part of the Class 532-570 Series	1664	245	223	231	217	196	342	383	498	656	584	466	555	562	535	452	402	556	480	525	552	718	11042
540	Organic Compounds -- Part of the Class 532-570 Series	2620	170	137	139	174	134	158	198	187	168	157	126	131	136	91	70	70	117	71	91	94	106	5345
544	Organic Compounds -- Part of the Class 532-570 Series	2927	220	198	218	226	173	197	203	208	241	229	210	220	247	187	159	153	256	193	158	198	265	7286
546	Organic Compounds -- Part of the Class 532-570 Series	2768	223	188	219	247	224	233	218	269	214	257	236	231	265	256	192	207	271	233	292	381	369	7993
548	Organic Compounds -- Part of the Class 532-570 Series	3343	318	271	283	315	282	289	308	267	271	321	282	272	293	231	161	167	232	217	242	294	355	9014

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
549	Organic Compounds -- Part of the Class 532-570 Series	3440	250	249	279	319	264	237	234	274	244	280	284	244	328	230	222	170	196	155	167	206	221	8493
552	Organic Compounds -- Part of the Class 532-570 Series	848	49	42	59	40	37	46	49	40	40	47	34	39	53	29	27	22	22	17	11	9	14	1574
554	Organic Compounds -- Part of the Class 532-570 Series	894	46	46	68	79	74	89	63	49	75	98	71	110	113	70	64	56	60	35	30	91	65	2346
556	Organic Compounds -- Part of the Class 532-570 Series	1522	152	237	228	226	184	158	190	179	150	212	194	218	201	141	126	103	152	139	119	108	144	5083
558	Organic Compounds -- Part of the Class 532-570 Series	2160	149	128	161	175	121	136	129	128	148	135	134	130	137	111	93	62	81	62	70	87	84	4621
560	Organic Compounds -- Part of the Class 532-570 Series	3367	235	221	249	302	217	181	171	194	223	190	191	203	261	201	165	142	173	150	174	134	143	7487
562	Organic Compounds -- Part of the Class 532-570 Series	2682	207	196	210	242	195	166	149	156	215	206	196	189	231	202	169	133	179	165	220	172	169	6649
564	Organic Compounds -- Part of the Class 532-570 Series	2263	196	239	206	188	182	181	144	195	215	203	214	202	243	169	159	148	187	206	230	190	197	6357
568	Organic Compounds -- Part of the Class 532-570 Series	4648	339	358	354	344	321	307	209	233	378	308	276	390	392	293	251	223	287	241	234	201	293	10880
570	Organic Compounds -- Part of the Class 532-570 Series	643	77	74	90	81	81	87	68	71	113	80	79	99	69	40	44	41	63	52	41	32	54	2079
585	Chemistry of Hydrocarbon Compounds	2637	264	318	238	295	253	231	204	172	245	269	231	224	250	170	159	149	163	224	243	231	249	7419
588	Hazardous or Toxic Waste Destruction or Containment	584	39	17	31	49	71	91	109	81	86	71	60	50	60	46	15	20	28	22	20	28	42	1620
600	Surgery	5295	738	816	828	942	1093	1091	1011	1050	1641	1549	1777	1768	1939	2123	1581	1205	1328	1219	1105	1308	2144	33551
601	Surgery: Kinesitherapy	817	127	129	124	102	78	103	91	84	141	92	101	153	118	122	105	87	122	125	111	92	118	3142
602	Surgery: Splint, Brace, or Bandage	1053	128	169	125	111	133	187	134	139	235	212	225	185	153	185	149	159	176	132	115	149	226	4480
604	Surgery	5496	819	839	967	982	1288	1191	1090	1095	1484	1353	1191	1252	1263	1718	1154	873	855	738	750	908	1722	29028
606	Surgery	2817	421	537	613	666	836	881	923	1228	1466	1583	1602	1434	1245	1625	1128	904	1071	986	768	1012	1874	25620
607	Surgery: Light, Thermal, and Electrical Application	1532	217	211	225	252	341	354	330	321	524	458	517	569	579	609	532	512	699	703	475	609	973	11542
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	1599	277	242	304	217	282	233	348	347	452	512	609	724	708	773	721	523	635	541	453	614	926	12040
700	Data Processing: Generic Control Systems or Specific Applications	2409	307	339	320	390	452	376	464	354	664	540	469	667	848	1024	1132	1001	1306	975	904	852	1270	17063
701	Data Processing: Vehicles, Navigation, and Relative Location	1704	333	391	288	294	329	416	430	330	511	681	824	1252	1267	1195	1210	1175	1083	1137	1147	1205	1799	19001
702	Data Processing: Measuring, Calibrating, or Testing	1657	259	236	182	224	287	218	367	348	520	512	520	573	958	1288	1514	1486	1709	1516	1409	1302	1543	18628
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	197	47	64	52	56	91	113	156	229	303	304	292	277	184	170	268	376	647	483	511	563	693	6076
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	892	165	160	160	187	187	158	211	366	612	631	534	612	574	427	531	426	857	770	805	765	969	10999
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination	626	100	96	89	164	171	120	155	249	492	719	735	481	451	436	316	775	1262	1169	1685	1964	4031	16286
706	Data Processing: Artificial Intelligence	85	75	62	120	171	153	182	163	203	308	129	130	155	169	251	159	207	247	205	349	473	640	4636
707	Data Processing: Database and File Management or Data Structures	227	52	54	84	144	170	241	342	397	910	986	862	948	1274	1349	1424	1175	1804	1694	1918	2864	4445	23364
708	Electrical Computers: Arithmetic Processing and Calculating	2123	246	244	249	301	275	236	277	262	387	405	297	292	256	257	288	231	363	236	305	283	314	8127
709	Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring	244	49	55	83	112	129	163	333	309	954	1016	1161	1153	1245	1173	1585	1590	2429	2357	2681	3290	4648	26759
710	Electrical Computers and Digital Data Processing Systems: Input/Output	1310	157	163	219	289	335	358	582	641	1009	1061	1012	908	865	980	1263	955	1146	813	915	1093	1425	17499
711	Electrical Computers and Digital Processing Systems: Memory	1245	153	137	219	258	359	408	569	578	862	851	896	1011	1182	1264	1319	1293	1734	1472	1738	1605	1755	20908
	Electrical Computers and Digital Processing																							

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
712	Systems: Processing Architectures and Instruction Processing (e.g., Processors)	844	122	114	162	150	180	258	358	402	668	668	491	503	373	311	371	336	375	352	425	408	534	8405
713	Electrical Computers and Digital Processing Systems: Support	382	69	74	95	142	174	241	286	339	587	582	532	607	567	679	828	981	1647	1645	1855	1871	2247	16430
714	Error Detection/Correction and Fault Detection/Recovery	2406	300	284	361	377	491	664	759	708	1070	1043	986	984	961	1274	1270	1180	1781	1890	1953	2095	2390	25227
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing	378	83	80	127	147	211	266	374	429	697	712	676	685	645	646	625	737	1036	1016	1027	1343	1718	13658
716	Computer-Aided Design and Analysis of Circuits and Semiconductor Masks	99	28	27	37	64	72	111	165	160	241	230	207	365	489	725	567	514	844	733	826	791	908	8203
717	Data Processing: Software Development, Installation, and Management	71	16	16	34	54	97	122	130	133	318	415	378	513	341	347	421	481	763	717	714	829	1314	8224
718	Electrical Computers and Digital Processing Systems: Virtual Machine Task or Process Management or Task Management/Control	135	23	21	37	46	83	88	57	80	106	98	102	123	114	119	179	181	256	188	220	261	411	2928
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)	14	4	6	11	18	33	52	58	56	108	90	93	162	150	123	247	234	289	179	333	361	392	3013
720	Dynamic Optical Information Storage or Retrieval	263	28	65	81	62	47	41	86	77	133	152	100	164	185	171	200	221	270	233	257	198	167	3201
725	Interactive Video Distribution Systems	270	33	37	38	47	66	72	165	154	256	241	175	203	166	207	227	171	354	261	233	494	727	4597
726	Information Security	36	17	10	13	15	23	20	43	56	113	190	219	207	140	137	223	229	507	614	710	984	1370	5876
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	96	12	26	41	33	90	86	235	266	453	579	547	571	464	447	535	459	687	802	685	841	988	8943
850	Scanning-Probe Techniques or Apparatus; Applications of Scanning-Probe Techniques, e.g., Scanning Probe Microscopy [Spm]	75	31	51	47	32	35	34	27	25	32	27	26	31	35	73	85	81	4	1	1	12	36	801
SUBTOTAL	UTILITY CLASSES	893918	90877	96918	97921	98815	102109	101855	110032	112338	147876	153984	158119	166583	167832	169475	164607	144070	174316	157812	158424	167801	220563	3856245
D00	** Design Classification Undetermined **	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	3	7
D01	Edible Products	150	34	58	79	50	35	35	54	43	47	47	61	60	39	38	121	85	122	53	62	145	87	1505
D02	Apparel and Haberdashery	1765	233	272	344	447	426	316	343	499	706	587	494	489	486	528	583	489	889	969	1122	914	926	13827
D03	Travel Goods and Personal Belongings	1795	288	330	284	340	342	347	362	376	448	494	488	535	509	490	466	430	637	650	626	604	691	11532
D04	Brushware	438	68	74	74	111	87	138	120	99	127	113	161	175	247	184	122	146	179	137	213	157	135	3305
D05	Textile or Paper Yard Goods; Sheet Material	218	12	23	9	13	7	30	22	33	45	45	80	72	46	39	68	86	88	75	68	61	94	1234
D06	Furnishings	6885	649	834	873	1242	1014	1313	1341	1112	1472	1480	1713	1830	1587	1566	1537	1175	1623	2098	1916	1751	1530	36541
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified	3940	436	424	447	608	601	560	730	577	745	767	967	1012	791	990	895	725	1145	1416	1452	1180	1374	21782
D08	Tools and Hardware	3928	520	609	695	740	747	756	755	748	1012	990	1236	993	944	1117	1047	793	1399	1567	1673	1274	1126	24669
D09	Packages and Containers for Goods	3048	454	516	402	463	491	506	470	528	648	687	860	856	709	895	665	709	1112	1397	1350	1421	1392	19579
D10	Measuring, Testing, or Signalling Instruments	2661	380	573	476	510	584	692	470	522	695	656	646	707	607	495	524	494	677	751	927	730	669	15446
D11	Jewelry, Symbolic Insignia, and Ornaments	1929	180	246	218	308	286	380	333	376	411	338	349	431	382	372	372	333	463	468	537	479	506	9697
D12	Transportation	3722	547	558	539	664	661	593	680	799	1023	939	1189	1067	1062	1080	1275	953	1440	1483	1619	1735	1665	25293
D13	Equipment for Production, Distribution, or Transformation of Energy	1235	221	330	319	268	300	303	285	281	443	593	625	551	634	674	535	574	997	1074	1337	1329	1198	14106
D14	Recording, Communication, or Information Retrieval Equipment	4294	727	792	658	866	946	1001	1000	980	1243	1312	1561	1362	1418	1708	1711	1266	2374	2793	3324	3081	2699	37116
D15	Machines Not Elsewhere Specified	1846	217	143	266	283	221	303	239	220	318	314	402	387	410	400	416	324	609	658	590	563	610	9739
D16	Photography and Optical Equipment	1010	160	167	186	176	213	203	262	241	392	344	434	350	278	407	303	293	393	692	577	452	419	7952
D17	Musical Instruments	391	68	81	46	41	64	38	33	39	55	61	33	43	42	49	36	46	64	60	104	61	56	1511
D18	Printing and Office Machinery	1464	208	280	180	208	185	208	214	203	199	199	272	276	205	227	187	154	445	408	288	264	244	6518
D19	Office Supplies; Artists' and Teachers' Materials	1309	193	246	268	282	220	288	177	226	308	340	374	381	333	345	392	328	341	448	586	400	354	8139
D20	Sales and Advertising Equipment	491	83	104	76	107	125	102	73	137	160	121	171	135	91	163	121	110	115	127	121	144	153	3030
D21	Games, Toys, and Sports Goods	5169	581	761	700	670	860	878	729	743	1017	921	1025	881	746	782	695	600	993	977	1073	884	784	22469

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment	1100	93	88	146	129	159	165	187	131	165	180	174	154	160	180	148	145	191	179	176	221	259	4530
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment	3109	393	593	523	440	563	562	530	548	784	819	988	906	966	919	832	790	1557	1342	1446	1267	1318	21195
D24	Medical and Laboratory Equipment	2980	259	367	424	432	480	512	484	454	523	575	673	760	598	699	571	352	553	963	1041	1037	1330	16067
D25	Building Units and Construction Elements	1433	149	149	147	236	249	258	255	292	306	340	376	380	406	350	344	310	305	427	458	434	489	8093
D26	Lighting	1587	199	306	281	259	356	375	464	430	531	543	804	920	705	772	672	490	859	1163	1322	1178	1220	15436
D27	Tobacco and Smokers' Supplies	371	23	25	8	17	31	31	38	38	79	87	60	76	86	62	72	59	106	117	74	65	80	1605
D28	Cosmetic Products and Toilet Articles	1185	241	147	103	127	199	147	152	159	197	211	388	334	255	274	256	188	294	320	330	287	326	6120
D29	Equipment for Safety, Protection, and Rescue	311	58	46	50	66	76	93	90	77	68	86	85	82	105	71	97	62	124	149	155	149	109	2209
D30	Animal Husbandry	625	60	89	93	124	130	123	128	125	105	107	184	116	113	121	108	131	166	189	213	174	274	3498
D32	Washing, Cleaning, or Drying Machine	904	157	174	110	130	187	191	176	194	211	193	287	260	256	286	251	171	404	501	473	378	394	6288
D34	Material or Article Handling Equipment	799	110	140	201	217	205	196	171	130	215	190	183	200	194	208	170	94	254	377	278	268	222	5022
D99	Miscellaneous	276	24	24	44	59	46	70	44	55	69	61	73	97	48	88	104	50	54	38	49	35	78	1486
SUBTOTAL	DESIGN CLASSES	62368	8025	9569	9269	10633	11096	11713	11411	11415	14767	14740	17416	16878	15458	16579	15696	12955	20972	24069	25580	23123	22814	386546
PLT	Plants	3080	318	353	321	442	499	387	362	394	561	421	548	584	1133	994	1016	716	1149	1047	1240	1009	981	17555
SUBTOTAL	PLANT CLASSES	3080	318	353	321	442	499	387	362	394	561	421	548	584	1133	994	1016	716	1149	1047	1240	1009	981	17555
TOTAL	ALL CLASSES	959366	99220	106840	107511	109890	113704	113955	121805	124147	163204	169145	176083	184045	184423	187048	181319	157741	196437	182928	185244	191933	244358	4260346

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

Part A1-2.
Patent Counts Based on ORIGINAL And CROSS-REFERENCE Classifications
with Duplicate Patents Eliminated Within Classes

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

Table A1-2, Breakout by U.S. Patent Classification System Class
Patent Counts Distributed by Year of Patent Grant
Patents Granted: 01/01/1977 - 12/31/2010

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
001	** Classification Undetermined **	9	0	0	1	0	1	1	0	0	1	0	1	0	1	4	3	9	15	23	14	16	36	135
002	Apparel	3453	384	572	484	380	425	474	570	602	723	806	749	703	655	494	565	493	531	376	317	299	559	14614
004	Baths, Closets, Sinks, and Spittoons	3156	380	409	341	389	419	338	312	331	418	538	454	479	514	433	406	322	309	267	216	180	305	10916
005	Beds	3459	444	467	468	400	394	412	488	446	504	483	522	502	470	492	522	502	484	346	416	396	531	13148
007	Compound Tools	495	55	68	49	73	64	53	62	62	72	84	96	101	72	76	89	73	85	71	50	33	45	1928
008	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	4575	378	387	310	352	325	337	377	275	394	457	381	334	311	387	321	219	298	303	263	236	327	11547
012	Boot and Shoe Making	462	32	19	17	24	21	17	15	24	29	33	20	22	19	23	19	23	23	14	21	12	33	922
014	Bridges	529	45	56	48	37	47	64	59	58	59	61	65	45	73	62	73	55	65	53	46	55	56	1711
015	Brushing, Scrubbing, and General Cleaning	6397	622	720	636	621	716	688	687	644	878	986	983	892	778	829	693	546	540	596	565	570	816	21403
016	Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, Etc.)	3363	271	338	284	326	301	327	398	339	450	427	436	411	515	494	427	389	413	351	338	384	466	11448
019	Textiles: Fiber Preparation	1098	125	151	89	72	93	99	84	77	72	72	87	109	69	53	36	27	39	27	39	41	50	2609
023	Chemistry: Physical Processes	670	35	45	62	37	52	38	34	28	38	31	38	33	32	30	17	25	18	17	15	29	34	1358
024	Buckles, Buttons, Clasps, Etc.	5381	565	547	496	468	522	483	519	580	599	589	563	600	652	610	459	352	451	410	421	377	491	16135
026	Textiles: Cloth Finishing	505	45	37	37	25	21	42	36	29	35	39	30	24	22	24	16	13	9	14	7	7	12	1029
027	Undertaking	131	16	15	16	16	17	23	19	37	33	30	30	32	18	32	19	14	15	42	35	24	26	640
028	Textiles: Manufacturing	1403	123	91	112	90	118	120	81	94	106	99	131	95	86	83	94	54	65	68	52	44	56	3265
029	Metal Working	19477	1755	2011	1944	1969	1878	1700	1757	1823	2171	2152	2363	2525	2543	2646	2522	2199	2514	2107	1752	1837	2366	64011
030	Cutlery	3994	396	505	382	337	362	358	374	362	438	475	471	431	409	432	392	332	338	298	228	248	305	11867
033	Geometrical Instruments	5668	559	565	536	429	418	481	433	363	449	408	493	514	595	577	546	534	530	520	517	500	513	16148
034	Drying and Gas or Vapor Contact with Solids	3869	287	301	333	356	319	292	357	326	361	424	467	356	361	285	299	264	286	173	208	128	187	10239
036	Boots, Shoes, and Leggings	2073	243	183	157	183	203	225	197	236	344	352	307	283	266	247	272	235	257	203	242	224	328	7260
037	Excavating	1724	139	145	147	128	94	133	152	129	165	186	211	182	208	168	167	161	153	101	79	160	242	4974
038	Textiles: Ironing or Smoothing	462	45	54	42	26	50	43	48	54	48	55	55	41	46	38	47	30	46	41	32	32	39	1374
040	Card, Picture, or Sign Exhibiting	4107	394	464	371	404	445	456	421	434	506	556	612	561	573	570	501	389	352	380	351	330	411	13588
042	Firearms	1505	160	191	127	135	163	178	159	186	203	183	124	213	241	252	207	159	162	175	187	189	297	5396
043	Fishing, Trapping, and Vermin Destroying	3089	334	291	314	326	331	251	317	219	235	411	355	289	309	351	274	233	215	184	174	172	253	8927
044	Fuel and Related Compositions	2316	111	139	123	136	143	129	147	107	132	152	169	146	115	143	108	76	53	83	89	109	138	4864
047	Plant Husbandry	2257	235	244	241	226	273	272	345	296	469	325	351	305	306	283	186	159	157	124	97	141	227	7519
048	Gas: Heating and Illuminating	1853	91	52	49	56	48	69	46	61	67	71	57	57	40	46	72	64	88	112	111	146	164	3420
049	Movable or Removable Closures	3726	366	390	316	315	334	344	395	336	378	439	495	430	425	392	377	362	380	257	230	264	357	11308
051	Abrasive Tool Making Process, Material, or Composition	789	97	96	133	136	122	100	124	153	96	126	104	145	159	145	139	106	91	102	90	80	100	3233
052	Static Structures (e.g., Buildings)	12334	1146	1098	985	1009	1046	1007	1203	1201	1467	1416	1471	1598	1488	1297	1202	1025	902	733	670	921	1546	36765
053	Package Making	5386	536	568	498	468	421	564	549	598	763	608	641	574	543	620	594	508	469	368	509	419	450	16654
054	Harness for Working Animal	211	18	30	36	22	26	24	18	17	36	23	42	32	46	50	40	24	38	38	31	30	15	847

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
055	Gas Separation	4192	365	356	438	395	285	318	330	354	451	441	421	464	449	467	478	376	385	381	453	496	596	12891
056	Harvesters	3181	325	283	243	226	226	263	218	167	280	308	299	247	273	257	246	246	221	171	210	210	283	8383
057	Textiles: Spinning, Twisting, and Twining	2941	225	139	198	173	213	188	178	177	214	158	153	175	134	104	118	79	95	68	79	60	73	5942
059	Chain, Staple, and Horseshoe Making	433	32	28	29	32	39	32	17	33	38	37	36	53	44	39	34	47	53	37	46	42	33	1214
060	Power Plants	10524	772	802	950	917	921	888	781	757	1019	997	1032	1331	1298	1226	1256	1269	1432	1058	1021	1234	1567	33052
062	Refrigeration	7893	770	779	789	914	887	855	864	870	1030	1141	1154	1292	1347	1293	1073	891	1025	1017	783	666	984	28317
063	Jewelry	456	48	54	64	56	46	58	62	75	69	53	67	63	82	79	62	40	69	54	53	36	47	1693
065	Glass Manufacturing	4234	320	311	343	277	263	174	203	298	343	357	277	324	313	346	342	226	257	184	172	171	258	9993
066	Textiles: Knitting	1414	51	111	96	100	105	111	123	88	101	106	167	152	82	88	89	99	95	76	64	83	87	3488
068	Textiles: Fluid Treating Apparatus	1475	117	115	102	144	124	132	136	127	193	200	152	114	143	147	82	74	78	109	140	159	170	4233
069	Leather Manufactures	147	5	10	3	2	3	5	5	4	6	4	2	2	2	2	5	7	0	2	2	5	5	228
070	Locks	3201	338	352	280	303	270	311	319	343	462	457	391	323	427	420	333	328	328	277	285	250	259	10257
071	Chemistry: Fertilizers	1079	60	68	94	73	78	93	75	100	89	87	64	97	112	70	60	46	37	32	33	40	77	2564
072	Metal Deforming	7032	572	589	512	483	478	406	497	541	665	685	626	649	538	534	506	412	615	503	417	376	404	18040
073	Measuring and Testing	21191	2059	2057	1934	1931	2117	2050	2219	2018	2459	2356	2305	2492	2636	3065	2764	2765	2934	2749	2760	2558	3043	72462
074	Machine Element or Mechanism	11959	1063	1061	1049	1093	867	816	1000	910	1198	1191	1172	1153	1126	989	894	772	830	755	675	732	918	32223
075	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	4464	389	350	341	339	364	367	261	247	319	375	322	381	393	319	263	192	162	181	181	265	343	10818
076	Metal Tools and Implements, Making	858	50	82	83	69	58	68	56	66	61	76	71	58	52	64	42	28	41	37	31	37	39	2027
079	Button Making	6	0	0	0	1	2	0	0	0	0	1	1	0	3	1	1	1	2	0	0	2	1	22
081	Tools	3033	316	345	301	307	305	250	310	263	325	410	494	545	423	351	368	420	523	417	281	196	273	10456
082	Turning	1531	111	144	129	119	98	68	89	101	127	124	112	122	91	167	95	72	85	82	66	75	93	3701
083	Cutting	6231	516	566	563	504	469	424	373	376	523	576	562	498	394	481	526	376	472	349	265	270	373	15687
084	Music	3367	277	291	297	354	348	398	393	344	428	506	444	410	360	328	322	290	379	434	472	526	618	11586
086	Ammunition and Explosive-Charge Making	346	25	27	33	26	32	30	17	25	34	21	20	24	32	29	17	25	23	20	22	29	40	897
087	Textiles: Braiding, Netting, and Lace Making	180	25	24	13	17	24	17	15	15	23	26	13	13	16	12	9	3	15	15	7	5	12	499
089	Ordinance	2191	253	224	234	198	193	195	140	192	198	183	129	210	203	203	205	180	168	183	217	252	328	6479
091	Motors: Expansible Chamber Type	4255	270	288	316	299	253	214	230	194	253	239	210	219	224	198	206	151	159	173	124	105	105	8685
092	Expansible Chamber Devices	3559	278	356	272	290	226	234	224	220	287	291	246	310	314	280	234	206	214	216	173	135	161	8726
095	Gas Separation: Processes	2709	261	281	358	320	243	270	288	302	362	383	368	394	403	448	347	288	307	299	374	373	537	9915
096	Gas Separation: Apparatus	3644	348	355	386	325	264	240	298	329	394	432	416	424	467	464	431	343	346	374	438	443	575	11736
099	Foods and Beverages: Apparatus	4071	438	400	391	427	451	493	465	489	530	608	567	561	452	441	404	317	366	274	294	247	372	13058
100	Presses	3251	256	275	309	272	266	253	224	228	286	224	210	204	188	226	207	164	209	151	190	134	123	7850
101	Printing	5418	430	477	487	463	472	477	478	497	724	609	587	544	610	718	804	489	491	300	286	248	304	15913
102	Ammunition and Explosives	3002	300	358	276	279	259	268	221	227	241	208	187	312	279	301	216	201	201	171	197	193	252	8149
104	Railways	1919	175	154	173	150	123	152	143	160	128	107	120	144	172	153	115	82	84	78	96	108	141	4677
105	Railway Rolling Stock	1889	126	130	126	120	113	124	122	123	134	95	110	152	137	117	79	93	83	72	77	72	114	4208
106	Compositions: Coating or Plastic	8533	565	728	772	791	916	796	782	779	1024	1005	889	911	977	1011	944	634	694	716	644	613	967	25691
108	Horizontally Supported Planar Surfaces	2492	238	211	247	198	279	281	296	299	342	330	375	306	306	289	276	211	214	166	155	173	231	7915
109	Safes, Bank Protection, or a Related Device	540	46	45	30	36	35	39	27	41	53	44	30	25	37	31	27	26	27	26	28	27	39	1259
110	Furnaces	2895	255	253	224	268	264	185	209	199	243	181	179	190	147	98	120	111	79	56	65	79	118	6418
111	Planting	808	61	51	51	40	57	61	74	64	60	87	82	99	67	82	74	66	69	65	71	72	87	2248
112	Sewing	3052	189	241	195	198	161	184	226	201	236	214	185	179	109	89	132	112	112	89	94	80	84	6362
114	Ships	4421	421	435	370	377	379	368	374	357	388	412	487	456	407	439	394	431	449	389	353	295	315	12717
116	Signals and Indicators	2434	215	233	175	201	205	182	192	195	206	224	208	215	211	196	192	153	180	137	152	169	179	6454
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	1513	152	151	203	219	236	278	222	212	280	317	324	274	270	283	269	240	246	293	296	235	280	6793
118	Coating Apparatus	6130	591	654	665	692	677	665	709	722	868	962	1200	1211	1127	1063	935	755	659	525	570	589	845	22814
119	Animal Husbandry	2770	311	391	399	341	355	313	348	362	554	501	469	447	540	532	396	407	442	381	285	308	404	11256
122	Liquid Heaters and Vaporizers	2428	199	155	134	145	185	123	128	107	164	154	143	143	123	118	102	97	82	63	82	80	99	5054

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
123	Internal-Combustion Engines	15766	1490	1526	1472	1400	1136	1124	1352	1381	1629	1622	1810	2246	2247	2240	2241	2114	2316	2042	1889	1505	1876	52424
124	Mechanical Guns and Projectors	1079	121	116	125	127	128	148	136	160	137	135	124	108	118	161	179	110	109	122	115	113	190	3861
125	Stone Working	584	68	56	56	49	38	42	45	54	66	64	101	98	97	83	73	79	88	52	48	34	48	1923
126	Stoves and Furnaces	7368	391	335	306	340	350	331	331	305	391	513	466	386	323	329	319	298	214	157	135	161	295	14044
127	Sugar, Starch, and Carbohydrates	672	38	54	55	44	51	54	50	40	56	74	39	44	59	34	34	26	25	18	11	16	27	1521
128	Surgery	4989	646	760	686	741	866	873	938	954	1213	1059	1139	1035	1091	1247	1062	879	1020	837	673	647	959	24314
131	Tobacco	2192	180	183	185	118	108	111	116	116	163	107	123	78	85	88	109	56	45	65	41	55	114	4438
132	Toilet	1502	175	205	177	154	208	152	206	219	313	405	306	258	218	211	147	109	160	186	135	122	161	5729
134	Cleaning and Liquid Contact with Solids	4204	425	550	534	530	570	613	615	610	781	922	816	850	895	920	712	563	533	495	476	500	652	17766
135	Tent, Canopy, Umbrella, or Cane	1018	126	129	119	151	181	149	171	179	198	181	196	251	204	168	189	149	143	161	140	162	180	4545
136	Batteries: Thermoelectric and Photoelectric	2572	152	172	166	164	154	176	170	134	139	177	235	275	254	223	177	116	107	126	116	161	336	6302
137	Fluid Handling	15179	1299	1268	1268	1242	1242	1067	1034	1006	1305	1465	1489	1607	1243	1200	1159	1173	1168	866	754	745	1014	39793
138	Pipes and Tubular Conduits	4618	321	338	257	268	319	335	286	278	361	458	467	423	378	362	326	296	283	201	194	253	279	11301
139	Textiles: Weaving	1991	167	177	189	165	173	177	146	137	155	136	179	188	127	64	109	112	129	67	71	92	93	4844
140	Wireworking	931	65	50	64	48	49	53	60	62	65	69	53	50	36	49	37	35	54	41	36	18	21	1946
141	Fluent Material Handling, with Receiver or Receiver Coacting Means	3438	325	332	332	348	381	344	370	319	407	487	442	478	452	424	485	391	377	318	225	232	349	11256
142	Wood Turning	58	7	8	6	5	4	4	5	6	4	10	8	4	0	5	2	0	3	2	0	2	1	144
144	Woodworking	2218	188	200	204	140	167	157	132	154	177	230	199	188	174	187	152	121	170	125	111	103	155	5652
147	Coopering	7	0	0	0	0	0	2	0	2	1	0	0	4	2	0	0	1	0	0	0	0	2	21
148	Metal Treatment	6938	766	858	937	969	935	924	791	737	777	777	704	770	752	757	601	387	348	302	334	379	531	21274
149	Explosive and Thermic Compositions or Charges	1192	92	104	54	60	45	101	123	78	87	61	101	99	68	97	59	77	35	7	17	20	53	2630
150	Purses, Wallets, and Protective Covers	369	84	80	67	66	65	63	66	71	96	100	97	99	81	72	59	49	54	46	43	43	60	1830
152	Resilient Tires and Wheels	2001	174	164	164	210	229	189	155	167	196	196	254	262	318	310	237	217	250	216	180	174	203	6466
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	15710	1494	1364	1410	1472	1464	1490	1434	1596	1912	1991	1912	1901	1807	2048	1868	1465	1319	1173	1043	964	1517	48354
157	Wheelwright Machines	244	14	20	18	23	15	8	9	11	9	11	19	28	11	18	11	21	24	25	20	20	17	596
159	Concentrating Evaporators	884	67	51	70	75	56	49	62	66	54	54	30	38	47	39	38	40	32	22	28	33	45	1880
160	Flexible or Portable Closure, Partition, or Panel	2130	250	285	279	245	227	233	304	257	303	309	386	358	306	318	296	257	257	209	167	172	254	7802
162	Paper Making and Fiber Liberation	3319	368	318	384	375	334	355	413	442	502	454	494	580	560	417	396	307	299	281	269	267	372	11506
163	Needle and Pin Making	30	2	3	1	5	4	9	5	8	7	6	4	0	1	2	0	0	0	2	3	1	0	93
164	Metal Founding	3973	335	333	266	344	351	239	256	274	312	317	233	287	341	372	267	259	281	221	133	150	202	9746
165	Heat Exchange	8741	634	626	640	662	675	567	613	524	739	862	864	955	903	889	929	866	1069	893	839	753	999	25242
166	Wells	6906	529	584	577	567	689	526	452	377	536	600	694	838	709	790	848	690	1055	951	931	926	1379	22154
168	Farriery	83	12	17	15	14	10	2	10	12	10	8	13	11	18	17	13	11	4	8	7	14	8	317
169	Fire Extinguishers	746	73	77	91	62	60	60	81	74	94	117	125	80	85	78	80	76	88	76	69	54	106	2452
171	Unearthing Plants or Buried Objects	240	15	12	19	22	17	15	14	9	11	13	11	5	5	10	8	7	9	4	3	4	10	463
172	Earth Working	2880	216	174	140	141	141	193	186	168	215	198	242	212	183	170	144	151	174	98	72	126	194	6418
173	Tool Driving or Impacting	1821	108	142	132	88	112	94	114	94	123	138	163	148	125	162	179	153	199	148	175	145	194	4757
174	Electricity: Conductors and Insulators	7734	687	728	744	779	878	874	816	675	1082	1096	1271	1727	1763	1546	1514	1243	1285	1177	1173	1179	1399	31370
175	Boring or Penetrating the Earth	3783	286	310	307	276	338	289	290	232	331	355	411	467	462	463	398	365	474	426	442	399	599	11703
177	Weighing Scales	1875	131	110	137	134	112	77	73	95	152	132	99	106	128	117	121	106	131	106	109	108	100	4259
178	Telegraphy	939	60	62	57	65	41	64	93	69	100	88	64	81	85	99	98	98	130	129	97	91	142	2752
180	Motor Vehicles	7352	739	822	743	686	731	625	788	637	877	965	1026	1186	1294	1312	1165	1168	1163	1102	1188	1182	1533	28284
181	Acoustics	3069	283	247	263	236	235	234	213	215	312	313	316	268	296	360	308	239	210	209	258	261	346	8691
182	Fire Escape, Ladder, or Scaffold	2221	205	223	237	138	193	149	152	152	214	253	237	187	218	193	218	186	202	142	91	78	128	6017
184	Lubrication	1270	181	162	126	144	133	132	150	116	138	150	159	167	152	142	129	114	133	100	100	81	121	4100
185	Motors: Spring, Weight, or Animal Powered	223	9	6	12	12	7	7	10	8	7	15	13	16	11	9	14	8	7	8	4	3	7	416
186	Merchandising	136	17	22	24	17	17	21	20	12	21	27	22	13	19	23	16	16	17	14	14	10	20	518
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	1304	100	157	152	152	163	140	146	140	187	212	149	172	212	157	91	87	137	159	158	169	200	4544

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
188	Brakes	5992	468	501	489	473	483	536	524	425	525	603	591	771	709	519	453	482	451	379	382	323	396	16475
190	Trunks and Hand-Carried Luggage	525	63	77	70	65	49	77	92	70	87	98	91	104	98	96	56	59	54	51	47	55	47	2031
191	Electricity: Transmission To Vehicles	368	19	29	28	26	33	19	28	34	33	41	42	60	48	31	28	25	25	14	13	20	17	981
192	Clutches and Power-Stop Control	5619	524	580	535	398	347	311	433	453	489	593	580	502	467	504	474	357	408	310	283	275	338	14780
193	Conveyors, Chutes, Skids, Guides, and Ways	742	49	49	60	44	35	49	36	39	32	59	63	68	57	51	40	39	41	46	36	40	39	1714
194	Check-Actuated Control Mechanisms	771	68	82	72	76	81	105	104	74	80	117	112	95	54	79	69	72	62	47	42	55	94	2411
196	Mineral Oils: Apparatus	292	13	16	14	19	11	11	11	12	26	22	10	18	13	9	7	5	6	7	8	11	10	551
198	Conveyors: Power-Driven	7524	710	740	790	691	703	586	534	541	577	693	686	816	714	699	616	466	492	500	457	462	589	20586
199	Type Casting	0	2	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
200	Electricity: Circuit Makers and Breakers	7431	549	513	468	451	475	453	489	465	673	637	606	529	584	615	655	566	622	525	524	530	534	18894
201	Distillation: Processes, Thermolytic	1043	24	18	27	16	19	26	10	21	25	20	19	21	7	9	14	8	18	5	12	12	28	1402
202	Distillation: Apparatus	1723	82	74	74	97	72	74	77	82	91	77	76	59	58	51	43	40	48	37	48	69	66	3118
203	Distillation: Processes, Separatory	1889	150	127	182	190	143	142	118	126	144	141	104	81	127	82	68	73	80	65	61	82	72	4247
204	Chemistry: Electrical and Wave Energy	10953	993	873	991	977	1018	994	902	886	1091	1188	1315	1426	1294	1215	1119	883	789	739	679	662	946	31933
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	6401	450	401	470	483	485	473	466	433	472	536	537	742	628	576	558	396	387	396	339	348	479	16456
206	Special Receptacle or Package	10340	1224	1183	1164	1203	1233	1208	1213	1210	1599	1597	1515	1360	1225	1168	987	916	928	774	846	810	1148	34851
208	Mineral Oils: Processes and Products	6167	429	421	346	345	382	291	211	215	257	384	328	316	263	248	242	164	189	225	239	267	407	12336
209	Classifying, Separating, and Assorting Solids	4601	364	362	375	387	352	344	316	290	308	375	387	370	314	315	319	242	234	236	239	210	270	11210
210	Liquid Purification or Separation	15107	1516	1657	1856	1736	1460	1518	1623	1615	1746	1765	1721	1819	1620	1570	1449	1252	1265	1344	1262	1224	1550	47675
211	Supports: Racks	3952	434	477	468	440	445	369	437	436	553	571	581	551	564	517	444	413	387	338	257	276	386	13296
212	Traversing Hoists	1165	79	75	77	64	40	69	64	67	80	65	104	82	68	100	46	46	64	75	75	73	89	2667
213	Railway Draft Appliances	256	18	19	34	18	19	20	32	20	20	22	18	26	17	11	20	8	14	14	14	19	27	666
215	Bottles and Jars	3224	332	319	316	291	291	295	284	291	391	413	362	303	280	260	223	208	220	184	155	195	275	9112
216	Etching a Substrate: Processes	2320	311	311	304	467	427	428	385	483	545	594	621	637	650	633	607	498	550	506	537	489	558	12861
217	Wooden Receptacles	326	22	12	13	16	16	7	8	7	14	10	11	15	9	7	4	4	6	4	6	1	9	527
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices	1170	58	57	62	49	53	43	75	43	94	80	69	95	93	76	75	49	49	38	24	43	70	2465
219	Electric Heating	12773	1200	1123	1096	1133	1164	1019	1007	923	1307	1430	1642	1583	1552	1529	1559	1321	1424	1111	858	765	1043	38562
220	Receptacles	8926	968	975	943	1002	947	913	962	889	1132	1183	1186	1120	987	919	808	712	860	732	621	755	980	28520
221	Article Dispensing	2310	214	235	226	224	208	216	231	157	251	272	268	294	256	294	254	171	230	166	166	157	238	7038
222	Dispensing	9017	953	972	907	928	1057	917	844	833	1031	1246	1112	1109	1069	867	871	700	762	615	498	537	869	27714
223	Apparel Apparatus	758	78	107	86	50	48	71	79	106	86	102	123	102	71	46	69	53	52	61	54	33	59	2294
224	Package and Article Carriers	2744	373	390	337	380	371	407	444	463	533	533	469	501	443	424	400	278	274	260	193	197	299	10713
225	Severing by Tearing or Breaking	789	62	74	96	64	70	51	54	45	73	63	51	52	67	66	78	61	60	34	35	36	43	2024
226	Advancing Material of Indeterminate Length	2404	154	159	160	150	162	142	129	100	174	152	116	121	125	106	76	63	65	55	52	26	40	4731
227	Elongated-Member-Driving Apparatus	1498	104	129	122	131	137	156	164	182	180	149	176	133	120	176	185	174	234	168	183	203	272	4976
228	Metal Fusion Bonding	4155	361	416	464	462	436	411	400	358	389	468	601	631	583	538	526	409	346	265	305	278	496	13298
229	Envelopes, Wrappers, and Paperboard Boxes	3749	383	416	361	365	384	328	311	280	362	351	347	335	293	244	168	193	158	156	155	143	252	9734
231	Whips and Whip Apparatus	24	1	2	3	0	1	0	0	1	0	1	4	0	1	1	2	1	1	1	3	2	2	51
232	Deposit and Collection Receptacles	409	54	57	45	35	31	47	35	43	41	43	37	33	27	29	42	37	48	62	51	33	36	1275
234	Selective Cutting (e.g., Punching)	54	1	1	5	2	1	0	0	2	2	3	0	2	3	4	6	2	8	4	4	2	8	114
235	Registers	3515	403	418	419	489	505	596	597	558	797	927	958	759	822	1037	1081	875	1405	1372	1467	1404	1728	22132
236	Automatic Temperature and Humidity Regulation	2468	174	137	155	174	165	131	130	113	147	180	170	146	170	172	155	148	141	141	113	106	205	5641
237	Heating Systems	1506	99	80	72	73	67	40	53	47	78	112	106	74	78	76	90	65	66	47	28	30	44	2931
238	Railways: Surface Track	507	49	37	47	28	25	31	40	32	48	30	36	47	48	37	36	23	28	20	17	16	47	1229
239	Fluid Sprinkling, Spraying, and Diffusing	7771	791	733	738	745	789	615	581	658	902	1010	1055	886	852	907	961	774	824	593	560	557	824	24126
241	Solid Material Comminution or Disintegration	3585	298	320	304	356	364	334	343	307	370	410	319	244	296	328	224	207	253	304	254	302	365	10087
242	Winding, Tensioning, or Guiding	8040	677	590	546	640	780	575	707	612	825	756	768	628	718	665	549	486	485	433	419	323	371	20593

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
244	Aeronautics and Astronautics	4707	449	539	575	456	442	371	358	334	577	538	636	678	669	657	613	497	549	498	429	533	710	15815
245	Wire Fabrics and Structure	101	3	7	7	12	6	5	5	6	3	5	4	8	7	3	7	5	11	7	1	4	1	218
246	Railway Switches and Signals	506	57	46	45	37	51	58	54	59	76	42	68	84	78	60	53	42	57	55	42	40	72	1682
248	Supports	11175	1280	1396	1333	1219	1212	1144	1226	1184	1576	1543	1633	1541	1669	1591	1252	1031	1163	1172	1058	1271	1605	39274
249	Static Molds	2151	165	171	177	156	147	140	132	150	199	162	150	173	149	162	154	115	138	106	54	67	125	5143
250	Radiant Energy	16585	2018	2133	2066	1887	1942	1865	1752	1628	2002	1871	1886	2120	2344	2707	2765	2342	3192	2790	2952	2938	3118	64903
251	Valves and Valve Actuation	7930	745	678	719	674	681	561	567	501	708	815	867	801	728	706	763	771	762	539	465	470	578	22029
252	Compositions	13887	1160	1338	1390	1314	1268	1199	1258	1143	1359	1335	1263	1226	1272	1379	1279	913	1091	981	935	962	1409	39361
254	Implements or Apparatus for Applying Pushing or Pulling Force	2899	210	182	229	219	194	198	174	201	199	257	276	257	229	261	213	198	232	209	206	164	217	7424
256	Fences	756	77	78	79	64	71	82	96	98	100	108	112	107	99	138	110	106	90	64	72	82	83	2672
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	17666	2479	3126	3205	3374	4159	4228	4278	4696	6498	7847	9142	10998	11618	12001	12262	10811	11596	11307	10846	9414	13101	184652
258	Railway Mail Delivery	8	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	12
260	Chemistry of Carbon Compounds	1095	21	23	32	26	20	17	19	31	34	33	24	26	13	16	10	8	3	7	7	3	4	1472
261	Gas and Liquid Contact Apparatus	4462	273	273	281	244	201	216	219	209	242	246	254	265	249	217	225	191	183	186	164	186	186	9172
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	19625	1940	2046	2101	2096	1810	1762	1799	1950	2405	2218	2044	1991	1847	2061	1938	1383	1405	1156	1008	1062	1991	57638
266	Metallurgical Apparatus	3199	201	217	213	221	245	218	161	159	185	213	181	214	171	182	136	91	61	79	90	117	126	6680
267	Spring Devices	3038	291	304	290	291	282	222	248	215	244	291	293	323	379	300	238	205	229	215	196	152	178	8424
269	Work Holders	2862	292	240	289	257	247	193	234	218	300	307	312	299	290	301	251	204	230	167	130	150	194	7967
270	Sheet-Material Associating	725	94	120	125	76	89	89	83	83	119	87	84	121	104	96	130	87	106	93	118	154	205	2988
271	Sheet Feeding or Delivering	4380	410	531	640	589	498	478	444	406	437	530	492	542	457	569	466	360	367	336	494	568	732	14726
273	Amusement Devices: Games	4232	407	473	463	430	516	498	463	479	597	515	502	544	539	545	446	337	351	365	382	364	523	13971
276	Typesetting	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	1	0	0	0	1	0	0	6
277	Seal for a Joint or Juncture	4547	355	404	411	350	350	286	383	326	278	381	419	491	471	410	387	337	339	233	256	222	321	11957
278	Land Vehicles: Animal Draft Appliances	4	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	1	1	0	10
279	Chucks or Sockets	1385	114	136	107	106	136	115	103	83	146	198	140	165	122	139	84	110	87	105	92	83	109	3865
280	Land Vehicles	10834	1074	1253	1152	1250	1433	1397	1517	1238	1678	1725	1977	2145	2069	1747	1671	1554	1607	1581	1640	1596	2083	44221
281	Books, Strips, and Leaves	736	113	124	94	99	81	104	79	99	122	149	139	125	112	76	76	55	46	27	34	24	51	2565
283	Printed Matter	1350	200	179	202	205	210	210	191	203	301	325	296	271	231	210	223	155	168	135	135	114	190	5704
285	Pipe Joints or Couplings	6029	517	524	568	473	594	453	420	371	511	582	522	510	565	515	397	401	395	293	418	406	490	15954
289	Knots and Knot Tying	156	7	9	11	6	6	15	15	17	13	10	11	17	11	14	12	8	7	6	6	9	7	373
290	Prime-Mover Dynamo Plants	1391	77	76	77	40	68	62	59	66	124	112	138	158	163	155	231	256	287	270	297	321	376	4804
291	Track Sanders	32	3	0	2	0	1	0	3	0	0	3	2	1	2	3	2	6	3	2	1	3	3	72
292	Closure Fasteners	3402	376	404	345	280	237	267	361	319	371	371	425	288	428	442	336	299	327	320	285	259	320	10462
293	Vehicle Fenders	595	67	50	69	52	43	39	38	35	51	55	59	95	81	87	108	112	81	79	91	81	83	2051
294	Handling: Hand and Hoist-Line Implements	4375	361	371	354	347	331	339	336	333	413	391	406	336	364	301	200	194	258	236	195	220	261	10922
295	Railway Wheels and Axles	81	7	7	4	2	3	4	7	6	3	9	7	6	7	8	7	2	1	3	3	3	4	184
296	Land Vehicles: Bodies and Tops	4287	592	624	503	462	462	418	541	483	695	775	933	1104	1009	1036	1063	985	1090	948	919	887	1174	20990
297	Chairs and Seats	4872	528	505	525	457	695	562	728	684	817	847	901	803	807	885	835	685	831	665	747	738	888	20005
298	Land Vehicles: Dumping	427	33	54	34	32	27	38	33	17	32	29	37	34	27	40	38	27	18	17	18	18	24	1054
299	Mining or In Situ Disintegration of Hard Material	2142	113	108	121	109	64	72	60	66	76	68	83	84	80	68	58	59	73	52	92	75	86	3809
300	Brush, Broom, and Mop Making	149	19	22	24	11	10	16	15	22	18	19	14	21	18	19	16	14	3	9	9	9	13	470
301	Land Vehicles: Wheels and Axles	950	95	104	100	90	94	96	128	94	119	137	170	180	188	161	141	126	129	93	107	104	123	3529
303	Fluid-Pressure and Analogous Brake Systems	2246	235	252	247	285	280	276	269	246	295	318	364	456	352	292	206	215	205	163	206	135	202	7745
305	Wheel Substitutes for Land Vehicles	552	27	26	21	33	39	38	25	24	47	49	62	61	72	58	35	43	42	36	34	35	50	1409
307	Electrical Transmission or Interconnection Systems	4082	323	325	333	380	340	403	545	544	745	767	686	602	584	615	577	382	618	580	556	689	849	15525
310	Electrical Generator or Motor Structure	8206	726	791	830	775	768	700	705	795	1234	1248	1274	1371	1392	1305	1863	1547	1525	1300	1303	1622	1879	33159
312	Supports: Cabinet Structure	3532	329	284	326	374	343	373	378	369	496	531	600	534	637	595	500	412	394	376	352	348	570	12653

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
313	Electric Lamp and Discharge Devices	5774	590	571	547	465	436	480	565	621	909	931	857	955	1199	1612	1438	1093	1221	1195	1126	1307	1769	25661
314	Electric Lamp and Discharge Devices: Consumable Electrodes	15	2	0	1	1	1	0	0	0	0	0	2	0	2	1	3	1	1	0	4	4	3	41
315	Electric Lamp and Discharge Devices: Systems	5581	572	652	513	447	493	557	526	463	671	708	745	849	1002	1067	956	819	947	932	872	838	1005	21215
318	Electricity: Motive Power Systems	7464	671	641	638	689	648	628	658	625	949	879	903	879	899	804	865	836	1103	874	842	882	969	24346
320	Electricity: Battery or Capacitor Charging or Discharging	988	66	79	136	165	178	163	222	376	357	413	430	501	454	399	355	321	326	275	378	641	807	8030
322	Electricity: Single Generator Systems	791	56	73	56	61	53	34	76	83	98	73	86	83	76	81	125	111	129	129	109	129	104	2616
323	Electricity: Power Supply or Regulation Systems	3116	309	271	273	237	260	296	361	418	472	546	494	550	547	504	486	485	645	596	618	736	921	13141
324	Electricity: Measuring and Testing	11042	1264	1346	1282	1272	1277	1517	1762	1503	1589	1531	1780	2123	2541	2498	2486	2285	2630	2392	2291	2388	2781	51580
326	Electronic Digital Logic Circuitry	2371	360	440	423	353	465	502	532	446	559	580	765	861	839	739	805	731	782	908	896	873	1092	16322
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	9562	829	944	1011	831	1144	1234	1297	1045	1533	1685	1814	1993	2114	1997	1940	1685	2064	1871	1745	2000	2389	42727
329	Demodulators	887	62	69	91	65	80	105	99	112	115	108	113	89	71	62	69	50	67	58	53	65	64	2554
330	Amplifiers	3888	281	330	366	283	380	384	345	342	445	526	604	598	657	731	800	631	892	825	839	849	911	15907
331	Oscillators	3179	236	268	305	225	269	293	317	288	385	371	392	423	357	472	497	409	557	541	485	540	600	11409
332	Modulators	581	49	66	73	58	70	92	100	73	107	96	76	79	84	81	58	55	94	88	71	89	127	2267
333	Wave Transmission Lines and Networks	4805	385	488	464	410	465	442	449	410	598	611	616	520	696	791	734	708	690	612	585	646	683	16808
334	Tuners	346	9	8	4	3	3	9	5	2	10	13	13	8	11	8	6	6	12	11	4	7	12	510
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets	3402	317	309	271	264	305	259	293	242	271	378	315	332	343	325	369	387	346	259	226	301	357	9871
336	Inductor Devices	1908	170	156	141	132	178	166	171	130	214	207	239	242	277	306	277	328	313	274	255	210	348	6642
337	Electricity: Electrothermally or Thermally Actuated Switches	1741	111	92	103	98	66	58	64	99	127	136	100	80	108	138	119	59	76	52	69	75	85	3656
338	Electrical Resistors	3549	308	274	259	253	229	145	177	176	222	264	239	230	201	183	142	113	154	162	108	106	150	7644
340	Communications: Electrical	13376	1414	1377	1327	1351	1480	1690	1923	1970	2520	2405	2600	2523	2479	2266	2711	2675	3569	3011	3202	3244	3919	63032
341	Coded Data Generation or Conversion	3696	418	432	373	443	375	465	501	654	816	682	684	856	969	971	963	909	1131	1076	1156	1003	1107	19680
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	3704	363	399	411	417	514	483	593	515	662	728	832	979	1027	1011	1063	883	989	928	971	1142	1126	19740
343	Communications: Radio Wave Antennas	2689	236	255	253	311	272	292	354	330	422	696	754	903	917	737	763	924	1077	907	1010	982	1077	16161
345	Computer Graphics Processing and Selective Visual Display Systems	4519	644	631	680	793	1020	1153	1377	1518	2342	2219	2347	2710	2638	2767	3174	2962	4078	3597	3521	3928	4918	53536
346	Recorders	2658	295	229	250	253	190	143	96	40	69	82	63	45	41	32	33	18	24	29	15	9	18	4632
347	Incremental Printing of Symbolic Information	4768	688	580	783	796	766	903	1100	1076	1632	1348	1759	2140	2251	2099	1978	1713	1989	2051	2282	2112	2752	37566
348	Television	11741	1472	1662	1707	1797	1945	2005	2425	2433	3263	3169	2990	3009	3141	3219	3668	3226	4719	4081	4598	3690	4483	74443
349	Liquid Crystal Cells, Elements and Systems	1926	282	334	419	369	405	448	580	590	883	777	926	919	963	1259	1429	1404	1506	1351	1495	1896	2337	22498
351	Optics: Eye Examining, Vision Testing and Correcting	1838	226	235	233	222	217	260	261	275	371	417	418	395	351	413	388	306	379	425	482	432	520	9064
352	Optics: Motion Pictures	1091	67	75	56	51	41	43	63	46	56	50	51	41	44	58	78	40	56	41	38	37	40	2163
353	Optics: Image Projectors	1044	102	91	93	110	107	124	123	137	172	163	192	214	287	364	423	387	555	535	489	355	447	6514
355	Photocopying	3849	449	429	353	236	272	269	213	311	394	379	354	445	384	452	536	501	642	557	547	416	471	12459
356	Optics: Measuring and Testing	9523	1012	1184	1179	1145	1187	1231	1195	1171	1648	1529	1538	1233	1432	1919	1837	1676	2024	2100	2203	2106	2340	42412
358	Facsimile and Static Presentation Processing	3899	713	705	834	885	974	905	1094	1010	1593	1378	1255	1156	1157	1323	1384	1387	1934	1806	1894	2000	2351	31637
359	Optical: Systems and Elements	11006	1387	1449	1506	1412	1361	1275	1604	1638	2253	2194	2345	2425	2620	2779	3007	2864	3335	2949	2990	3013	3496	58908
360	Dynamic Magnetic Information Storage or Retrieval	8744	926	1036	1043	1153	1185	1197	1193	1173	1598	1582	1590	1565	1572	1693	1860	1490	1872	1493	1435	1461	1369	38230
361	Electricity: Electrical Systems and Devices	11389	1197	1226	1410	1319	1348	1532	1764	1626	2337	2272	2488	2872	3234	3231	3168	2547	2934	2873	3122	3147	3706	60742
362	Illumination	4997	648	716	682	583	660	784	776	810	1021	1000	1230	1352	1350	1501	1384	1338	1750	1854	1668	1834	2489	30427
363	Electric Power Conversion Systems	3545	335	325	313	279	326	327	367	510	572	682	614	625	617	553	476	448	604	533	523	634	765	13973
365	Static Information Storage and Retrieval	5189	642	711	642	872	1296	1187	1311	1406	1912	2182	2304	2369	2416	2462	2518	2533	2721	2792	2809	2908	3461	46643
366	Agitating	3952	345	283	296	313	349	339	370	290	380	388	377	397	308	322	292	266	261	239	282	216	285	10550

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
367	Communications, Electrical: Acoustic Wave Systems and Devices	3602	453	358	370	345	300	281	313	274	328	257	325	279	247	263	275	261	263	295	346	328	454	10217
368	Horology: Time Measuring Systems or Devices	2771	152	162	142	175	170	130	153	160	204	188	195	237	216	219	229	174	221	201	244	197	229	6769
369	Dynamic Information Storage or Retrieval	4076	481	628	750	808	752	839	957	981	1220	1084	1100	1112	1107	1225	1298	1022	1581	1470	1461	1359	1628	26939
370	Multiplex Communications	4197	581	569	643	743	1111	1293	1585	1456	2219	2491	2766	2794	3184	3735	4368	4144	5895	4935	6251	7277	10190	72427
372	Coherent Light Generators	3492	544	608	593	622	765	613	496	493	716	679	657	645	694	965	1111	783	815	605	676	764	968	18304
373	Industrial Electric Heating Furnaces	1334	55	53	62	83	78	74	82	47	66	103	96	59	71	46	60	24	39	26	24	19	37	2538
374	Thermal Measuring and Testing	3497	265	311	317	289	289	218	205	286	370	287	390	350	332	369	337	361	394	325	379	315	319	10205
375	Pulse or Digital Communications	5111	637	764	834	944	1166	1391	1764	1753	2610	2525	2534	2620	2708	2938	3163	2957	4384	3720	4060	3397	4444	56424
376	Induced Nuclear Reactions: Processes, Systems, and Elements	4781	296	337	362	367	358	251	227	197	242	197	116	145	146	154	126	110	59	59	71	93	111	8805
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	2786	186	208	186	166	153	162	136	110	128	107	132	87	111	78	106	118	95	71	91	99	144	5460
378	X-Ray or Gamma Ray Systems or Devices	3392	360	425	386	372	318	372	431	375	434	380	485	656	752	601	603	635	879	790	912	961	1084	15603
379	Telephonic Communications	5330	656	581	554	600	798	948	1111	976	1578	1736	1567	1523	1599	1640	2022	1638	2174	1642	1506	1536	1845	33560
380	Cryptography	1074	188	203	206	266	282	293	292	341	488	395	528	453	387	339	450	579	959	916	922	1110	1352	12023
381	Electrical Audio Signal Processing Systems and Devices	2948	281	296	282	344	324	376	395	461	686	459	510	400	486	565	696	528	876	748	702	768	1014	14145
382	Image Analysis	2494	451	602	585	613	654	664	862	1021	1820	1885	1791	1945	1829	2312	2572	2268	3452	3200	3576	3944	5009	43549
383	Flexible Bags	1984	268	296	206	201	207	219	221	180	260	290	294	290	230	203	157	161	177	165	112	154	167	6442
384	Bearings	4299	448	452	428	409	385	383	424	366	485	446	480	539	519	500	468	397	402	359	328	352	417	13286
385	Optical Waveguides	4680	781	927	853	842	871	785	784	894	1167	1107	1166	1629	1994	2329	2519	2331	2455	2172	1969	1601	1632	35488
386	Motion Video Signal Processing for Recording or Reproducing	2768	297	332	366	405	399	453	586	491	648	643	591	598	650	627	691	544	820	810	861	671	709	14960
388	Electricity: Motor Control Systems	798	54	63	46	58	80	66	63	68	105	69	76	96	102	76	78	69	74	82	71	65	75	2334
392	Electric Resistance Heating Devices	1887	135	119	157	161	169	153	133	135	187	228	258	272	239	197	204	220	245	158	136	136	183	5712
396	Photography	7059	600	654	604	673	680	624	864	899	1188	922	861	700	732	625	664	381	439	347	589	856	1045	22006
398	Optical Communications	1202	189	231	217	206	331	315	400	324	458	528	552	676	774	675	773	635	961	930	860	856	981	13074
399	Electrophotography	5264	725	847	899	905	860	794	1079	924	1354	1321	1234	1185	1195	1214	1261	1132	1561	1561	1675	1673	2215	30878
400	Typewriting Machines	4444	443	482	472	428	351	362	382	344	480	468	430	374	409	432	458	439	420	335	286	232	267	12738
401	Coating Implements with Material Supply	1727	256	287	224	179	216	150	173	136	232	352	304	359	296	259	249	231	241	203	199	167	203	6643
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	409	51	62	41	53	52	53	44	63	79	83	89	82	62	49	49	36	34	26	22	21	50	1510
403	Joints and Connections	8339	759	740	761	693	644	643	687	718	765	650	715	730	726	730	602	515	463	372	349	372	482	21455
404	Road Structure, Process, or Apparatus	1813	214	195	179	214	199	218	220	192	211	241	235	194	227	230	252	194	260	202	183	213	238	6324
405	Hydraulic and Earth Engineering	5619	510	561	497	556	462	466	553	416	570	522	447	479	532	501	472	400	488	347	367	356	442	15563
406	Conveyors: Fluid Current	1558	112	113	102	107	63	57	90	63	73	66	85	95	103	86	59	44	53	56	54	49	45	3133
407	Cutters, for Shaping	983	101	137	116	116	90	65	73	97	131	151	137	123	74	129	126	99	122	102	113	115	117	3317
408	Cutting by Use of Rotating Axially Moving Tool	2608	238	300	263	193	239	189	177	217	290	310	216	264	194	226	159	176	231	226	177	161	143	7197
409	Gear Cutting, Milling, or Planing	1908	187	190	213	167	149	151	121	181	199	228	201	207	209	201	168	165	186	208	182	127	109	5657
410	Freight Accommodation On Freight Carrier	970	93	109	88	74	71	106	93	72	107	113	134	126	119	143	132	109	130	111	114	97	124	3235
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	3548	412	373	357	376	320	322	382	369	442	406	400	402	359	327	351	274	267	249	204	181	320	10641
412	Bookbinding: Process and Apparatus	280	39	38	41	34	31	40	26	38	28	42	55	39	42	46	48	35	32	19	31	27	55	1066
413	Sheet Metal Container Making	348	21	33	27	22	26	6	14	15	26	27	24	9	20	16	18	14	17	9	9	15	13	729
414	Material or Article Handling	10061	896	943	863	793	815	817	786	759	848	901	1032	891	918	899	798	640	622	508	470	531	694	26485
415	Rotary Kinetic Fluid Motors or Pumps	3696	271	258	358	377	348	312	365	292	328	313	454	497	596	577	523	526	589	486	444	505	656	12771
416	Fluid Reaction Surfaces (i.e., Impellers)	3275	233	207	269	311	296	249	278	208	253	285	409	453	498	440	403	417	478	444	427	447	530	10810
417	Pumps	7063	571	653	695	706	629	512	652	532	619	693	907	947	906	862	688	497	615	459	458	474	612	20750
418	Rotary Expandable Chamber Devices	2217	200	220	240	199	206	199	207	160	201	144	337	306	250	230	225	166	186	172	175	187	208	6635
419	Powder Metallurgy Processes	1599	248	229	185	113	181	187	159	138	162	213	166	171	169	189	134	90	91	83	93	97	136	4833
420	Alloys or Metallic Compositions	3018	279	333	315	264	287	268	240	200	263	296	241	304	297	235	257	179	114	113	128	146	237	8014

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	10500	954	1059	1290	1320	1316	1335	1264	1224	1579	1625	1509	1598	1615	1643	1509	1247	1290	1389	1432	1605	2366	40669
423	Chemistry of Inorganic Compounds	13284	950	1081	1134	1080	1024	950	867	857	987	1038	963	967	947	983	894	720	837	681	745	953	1464	33406
424	Drug, Bio-Affecting and Body Treating Compositions	10444	1405	1641	1704	1806	1804	1898	2309	3425	4163	4525	3963	4464	4638	4360	3228	2701	3404	2959	2874	2928	4358	75001
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	10032	850	932	970	964	833	851	842	892	1076	949	908	966	879	815	842	565	804	733	641	580	890	27814
426	Food or Edible Material: Processes, Compositions, and Products	9532	1030	1003	908	899	823	884	902	816	981	1261	1268	1226	1064	1015	874	519	636	524	420	462	721	27768
427	Coating Processes	20897	1789	1775	1901	1868	1861	1735	1817	1935	2308	2483	2499	2442	2446	2511	2295	1693	1442	1440	1246	1509	2192	62084
428	Stock Material or Miscellaneous Articles	31833	3290	3131	3380	3304	3342	3287	3528	3690	4309	4514	4325	4638	4733	4934	4854	3604	3369	3144	2768	2916	4369	111262
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	4525	338	335	387	450	490	551	677	665	694	700	894	982	1129	1151	1164	961	1017	969	989	1268	2026	22362
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	12719	1507	1561	1414	1822	1965	1789	1798	1707	2083	2213	2286	2262	2126	2186	2097	1621	1938	1595	1613	1624	1989	51915
431	Combustion	3484	299	238	276	277	252	286	266	219	318	381	381	321	278	302	282	257	153	138	104	166	200	8878
432	Heating	3603	224	201	209	198	195	159	153	149	217	228	213	193	192	173	131	89	82	63	79	74	95	6920
433	Dentistry	3129	297	415	375	344	382	286	355	348	531	508	451	553	458	390	335	315	415	341	239	193	354	11014
434	Education and Demonstration	2969	256	288	286	374	315	320	344	332	476	483	498	426	424	444	421	365	367	300	237	245	351	10521
435	Chemistry: Molecular Biology and Microbiology	10173	1405	1561	1969	2258	2175	2250	3085	4141	6134	6215	5607	6276	5733	5299	4621	4134	5278	5198	4792	4916	6436	99656
436	Chemistry: Analytical and Immunological Testing	5875	708	785	972	1045	950	949	1037	1144	1457	1336	1156	1298	1261	1259	1119	927	977	1103	1084	1039	1594	29075
438	Semiconductor Device Manufacturing: Process	7138	813	1112	1194	1487	1634	1881	1811	2142	2978	4219	5439	6913	7006	6815	6959	6191	6526	6103	6071	6688	8937	100057
439	Electrical Connectors	9657	1262	1265	1328	1291	1346	1343	1468	1612	1868	2118	2753	2776	2651	2331	2541	2231	2791	2414	2608	2547	2980	53181
440	Marine Propulsion	1353	216	218	186	182	180	180	191	163	210	216	271	265	266	243	247	257	252	225	206	180	162	5869
441	Buoys, Rafts, and Aquatic Devices	1188	128	137	118	111	139	125	119	119	141	129	155	150	129	132	126	114	150	124	97	76	99	3806
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	3035	310	253	315	338	359	385	356	427	478	491	443	397	289	363	427	288	257	252	250	277	427	10417
445	Electric Lamp or Space Discharge Component or Device Manufacturing	1028	126	103	122	94	70	80	125	149	182	217	251	212	203	274	301	276	283	220	155	228	329	5028
446	Amusement Devices: Toys	3570	370	375	375	345	385	338	351	292	445	434	516	451	467	511	440	282	258	234	214	226	300	11179
449	Bee Culture	109	2	11	5	1	5	4	3	8	3	3	4	2	8	8	6	4	5	1	3	5	4	204
450	Foundation Garments	233	18	23	25	23	13	26	28	35	42	70	83	71	67	29	47	48	59	51	54	41	58	1144
451	Abrading	4358	428	447	462	460	389	408	455	547	553	694	841	1065	994	949	919	886	969	697	481	439	450	17891
452	Butchering	1280	125	116	161	124	120	95	105	72	103	106	125	118	67	78	73	62	112	95	104	101	99	3441
453	Coin Handling	287	22	43	36	27	30	35	43	18	21	34	40	32	20	50	31	15	26	22	17	20	24	893
454	Ventilation	2418	243	234	264	228	262	194	227	219	320	301	355	384	377	394	390	303	271	226	215	265	333	8423
455	Telecommunications	5156	517	567	689	833	928	1099	1483	1295	2053	2460	2765	2621	2677	2747	3200	3352	5573	4961	4928	5551	7130	62585
460	Crop Threshing or Separating	387	38	34	33	22	30	44	47	26	44	55	42	53	58	42	49	49	44	41	34	43	46	1261
462	Books, Strips, and Leaves for Manifolding	255	31	18	35	29	34	31	10	11	14	19	31	24	23	5	11	5	5	1	4	0	2	598
463	Amusement Devices: Games	756	63	78	91	94	111	115	110	197	324	311	364	488	502	618	584	508	483	456	549	535	1054	8391
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts	2347	224	194	226	221	208	165	184	245	276	235	264	348	255	210	216	178	208	167	175	172	217	6935
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus	478	42	35	29	32	26	18	33	28	35	37	26	29	30	24	18	17	36	17	25	15	15	1045
472	Amusement Devices	588	89	60	68	73	75	81	91	84	115	103	96	84	99	95	95	85	66	61	57	51	121	2337
473	Games Using Tangible Projectile	3660	492	550	561	547	693	717	687	681	921	766	675	722	764	795	750	700	848	746	599	616	825	18315
474	Endless Belt Power Transmission Systems or Components	2402	243	243	205	253	213	211	145	182	218	211	252	215	281	237	192	184	222	173	124	119	229	6754
475	Planetary Gear Transmission Systems or Components	2008	216	227	258	200	207	203	226	231	244	318	302	206	297	381	377	306	382	401	343	365	441	8139
476	Friction Gear Transmission Systems or Components	232	17	27	17	18	25	19	28	24	24	33	47	42	44	48	33	35	41	35	29	25	22	865

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
477	Interrelated Power Delivery Controls, Including Engine Control	1897	227	319	271	178	147	208	241	267	306	347	348	294	326	364	289	289	272	272	260	272	342	7736
482	Exercise Devices	2594	366	399	372	404	440	395	436	468	553	491	485	424	413	446	428	329	513	394	403	506	735	11994
483	Tool Changing	497	35	39	43	46	49	42	18	37	43	58	48	28	50	32	29	23	38	41	43	30	22	1291
492	Roll or Roller	823	94	76	110	88	69	109	120	110	167	149	127	116	135	118	120	80	69	51	52	51	65	2899
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	2629	233	307	303	274	201	205	232	200	297	291	314	280	201	293	267	211	203	143	188	159	171	7602
494	Imperforate Bowl: Centrifugal Separators	886	80	68	63	78	89	65	89	74	99	105	87	85	78	83	83	60	81	63	57	42	58	2473
501	Compositions: Ceramic	4072	466	681	606	591	571	433	429	457	439	470	396	471	466	440	380	290	318	263	246	352	397	13234
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making	9155	703	835	848	777	670	615	601	601	801	820	998	983	984	924	871	690	746	639	605	728	1025	25619
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor	1195	199	199	211	227	249	185	158	151	153	162	122	116	83	86	85	74	86	66	53	45	54	3959
504	Plant Protecting and Regulating Compositions	4310	374	303	327	294	251	251	291	322	294	306	285	282	280	231	169	150	125	89	70	76	142	9222
505	Superconductor Technology: Apparatus, Material, Process	1106	235	336	384	361	304	242	214	172	173	181	143	146	139	144	106	77	65	65	56	73	89	4811
506	Combinatorial Chemistry Technology: Method, Library, Apparatus	2	1	2	2	4	5	10	34	42	94	95	123	126	148	200	111	77	10	20	37	47	102	1292
507	Earth Boring, Well Treating, and Oil Field Chemistry	1659	110	140	136	103	98	67	82	111	105	108	99	124	99	106	127	88	165	162	123	157	241	4210
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separant Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions	2541	214	238	236	242	276	240	260	230	269	221	235	264	194	210	162	93	94	92	109	137	243	6800
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	4170	359	403	386	402	421	526	563	530	798	884	764	830	882	804	610	428	495	407	403	434	499	15998
512	Perfume Compositions	977	50	46	44	49	49	31	43	36	51	33	54	56	51	48	37	38	50	52	41	58	72	1966
514	Drug, Bio-Affecting and Body Treating Compositions	26729	3029	3282	3250	3327	2847	3326	3888	4938	5388	5727	5343	5692	5965	5345	4031	3546	4347	3933	3650	4124	5659	117366
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	2113	179	198	221	204	198	184	200	173	181	197	191	180	189	197	121	79	85	89	78	116	188	5561
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof	740	30	30	27	23	12	20	18	15	33	38	49	66	54	67	81	61	80	61	45	42	84	1676
520	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	5	0	0	1	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	10
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	5012	320	367	464	439	373	328	316	363	436	370	392	380	363	369	302	194	180	173	118	139	268	11666
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	2738	234	252	219	238	224	251	245	235	286	297	312	346	279	254	264	198	202	189	165	175	266	7869
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	5898	456	594	545	591	584	562	535	526	660	787	737	750	731	658	566	407	456	408	376	394	614	17835
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	16703	1248	1519	1515	1606	1643	1388	1479	1448	1649	1876	1714	1762	1767	1721	1698	1098	1277	1136	975	1083	1584	47889
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	15469	1499	1638	1737	2003	1966	1534	1594	1439	1606	1548	1529	1644	1699	1610	1476	1050	1186	958	772	813	1307	46077
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	7833	657	754	835	961	837	717	696	732	817	793	891	1149	1168	1140	1025	803	864	698	623	575	937	25505
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	409	25	43	41	41	32	25	27	25	38	27	20	26	20	15	18	12	14	10	14	6	23	911
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	13004	1239	1299	1388	1446	1366	1161	1170	1161	1278	1320	1213	1266	1245	1205	1052	730	1021	741	630	714	1165	36814
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	5036	619	753	967	1116	914	986	1250	1858	2736	2667	2170	2279	2184	2071	1897	1649	2397	2330	2223	2171	2512	42785
532	Organic Compounds -- Part of the Class 532-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	1	0	3	7

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
	570 Series																							
534	Organic Compounds -- Part of the Class 532-570 Series	2372	189	210	181	191	191	160	197	183	244	198	168	129	140	99	108	83	149	83	90	79	96	5540
536	Organic Compounds -- Part of the Class 532-570 Series	4081	616	705	688	836	808	1053	1574	2194	3128	3266	2867	3170	2906	2785	2348	2058	2551	2342	2021	2103	2650	46750
540	Organic Compounds -- Part of the Class 532-570 Series	5952	520	519	478	502	443	482	581	616	542	532	432	430	495	394	300	322	428	398	333	351	418	15468
544	Organic Compounds -- Part of the Class 532-570 Series	10553	1039	963	939	1004	874	908	914	1043	1121	1098	1079	1172	1276	1125	975	978	1097	1139	1023	1113	1424	32857
546	Organic Compounds -- Part of the Class 532-570 Series	10963	1119	1080	1055	1192	1030	1078	1129	1323	1259	1298	1297	1273	1431	1358	1113	1016	1232	1143	1090	1289	1459	36227
548	Organic Compounds -- Part of the Class 532-570 Series	11725	1117	1091	1103	1163	990	1034	1172	1182	1104	1182	1146	1150	1293	1107	884	863	1089	1133	988	1030	1468	35014
549	Organic Compounds -- Part of the Class 532-570 Series	8650	697	648	739	790	711	691	686	780	813	809	824	803	888	722	640	518	616	510	497	545	658	23235
552	Organic Compounds -- Part of the Class 532-570 Series	1837	120	105	133	124	99	136	133	123	134	128	125	98	138	115	87	77	97	82	52	60	93	4096
554	Organic Compounds -- Part of the Class 532-570 Series	2216	131	126	158	158	142	152	129	123	149	189	143	205	203	140	130	84	107	75	61	146	133	5100
556	Organic Compounds -- Part of the Class 532-570 Series	3508	333	402	412	415	349	336	383	360	362	417	391	491	423	335	308	240	306	268	213	232	302	10786
558	Organic Compounds -- Part of the Class 532-570 Series	6131	427	420	430	483	370	366	321	349	364	356	335	338	342	286	225	163	215	177	168	186	205	12657
560	Organic Compounds -- Part of the Class 532-570 Series	9215	635	640	672	760	589	554	498	571	622	577	588	635	678	554	406	336	374	371	324	305	339	20243
562	Organic Compounds -- Part of the Class 532-570 Series	7410	508	506	557	586	491	448	400	483	556	569	526	555	579	550	423	328	433	362	398	350	399	17417
564	Organic Compounds -- Part of the Class 532-570 Series	6862	534	617	584	596	520	535	491	582	641	613	605	633	647	558	458	404	448	456	444	402	496	18126
568	Organic Compounds -- Part of the Class 532-570 Series	8891	628	671	745	727	612	592	471	498	706	612	576	701	725	589	502	412	515	419	388	386	544	20910
570	Organic Compounds -- Part of the Class 532-570 Series	1201	127	126	153	156	135	145	127	117	167	135	141	161	134	98	98	80	100	89	67	63	105	3725
585	Chemistry of Hydrocarbon Compounds	4657	413	481	423	468	389	395	310	294	408	463	432	411	418	360	285	259	326	343	356	368	424	12683
588	Hazardous or Toxic Waste Destruction or Containment	799	52	40	52	116	165	189	205	179	184	168	141	121	127	99	69	47	74	62	58	60	101	3108
600	Surgery	7462	1065	1186	1233	1346	1572	1593	1436	1293	2187	2103	2372	2302	2471	2739	2153	1719	1950	1908	1703	2000	3182	46975
601	Surgery: Kinesitherapy	1330	194	208	212	171	163	214	185	174	235	189	207	228	198	217	209	142	192	192	181	151	215	5407
602	Surgery: Splint, Brace, or Bandage	1399	181	228	199	193	206	291	229	245	346	304	326	281	249	264	230	218	241	168	158	186	298	6440
604	Surgery	8708	1230	1293	1415	1547	1845	1720	1616	1703	2251	2043	1901	1883	1860	2424	1687	1320	1312	1127	1052	1271	2335	43543
606	Surgery	4029	645	770	924	1011	1332	1353	1405	1671	2136	2226	2187	2000	1797	2215	1659	1279	1527	1342	1116	1386	2544	36554
607	Surgery: Light, Thermal, and Electrical Application	2247	324	325	331	376	504	525	489	479	781	775	884	925	877	979	781	756	945	966	677	787	1230	16963
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	2327	364	366	442	323	404	341	500	512	690	742	830	917	967	1027	903	726	859	741	628	829	1356	16794
700	Data Processing: Generic Control Systems or Specific Applications	4805	615	590	613	720	777	720	818	730	1280	1114	889	1051	1225	1518	1769	1622	2118	1709	1672	1673	2318	30346
701	Data Processing: Vehicles, Navigation, and Relative Location	3009	562	664	573	579	578	659	709	604	1022	1234	1420	1862	1912	1943	1940	1887	1971	1869	1894	2050	2694	31635
702	Data Processing: Measuring, Calibrating, or Testing	4069	490	485	436	458	545	511	731	696	980	807	830	999	1354	1830	2146	2126	2528	2240	2196	2215	2653	31325
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	352	77	91	82	117	167	194	275	310	424	455	413	430	351	391	526	594	991	787	879	989	1147	10042
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	1168	208	194	204	252	265	256	357	511	850	788	719	839	844	695	818	701	1264	1136	1170	1076	1344	15659
	Data Processing: Financial, Business																							

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
705	Practice, Management, or Cost/Price Determination	956	159	160	157	249	264	206	270	379	735	989	1036	851	865	920	952	1400	2166	1984	2582	2940	5335	25555
706	Data Processing: Artificial Intelligence	217	154	194	288	388	296	343	343	339	483	259	253	294	299	401	304	350	476	339	506	657	910	8093
707	Data Processing: Database and File Management or Data Structures	474	111	123	174	242	310	431	560	704	1513	1733	1674	1931	2231	2498	2674	2520	3796	3464	3792	4322	5223	40500
708	Electrical Computers: Arithmetic Processing and Calculating	3772	416	439	423	503	471	444	524	509	684	691	500	484	459	461	482	404	614	407	491	454	527	14159
709	Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring	320	70	71	107	150	196	263	472	555	1498	1638	1956	2020	2290	2299	2985	3016	4556	4280	4861	5883	8070	47556
710	Electrical Computers and Digital Data Processing Systems: Input/Output	1520	187	194	257	357	449	553	920	1048	1535	1490	1459	1401	1397	1552	1947	1624	1906	1485	1634	1786	2257	26958
711	Electrical Computers and Digital Processing Systems: Memory	1785	238	231	324	405	583	738	1000	1077	1564	1546	1517	1697	1870	1943	2228	2096	2716	2286	2637	2571	2915	33967
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)	1472	194	182	261	272	348	441	601	688	1203	1109	953	985	824	813	904	777	882	793	869	729	911	16211
713	Electrical Computers and Digital Processing Systems: Support	817	149	158	164	256	325	422	517	626	1049	1015	1005	1069	1045	1186	1574	1783	2816	2782	3108	3361	4286	29513
714	Error Detection/Correction and Fault Detection/Recovery	4062	526	566	689	746	960	1279	1570	1465	2192	2052	1926	2041	1979	2399	2530	2448	3560	3412	3483	3205	3650	46740
715	Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing	696	141	133	204	263	344	433	605	724	1238	1262	1168	1253	1236	1232	1319	1372	1928	1759	1732	2538	3224	24804
716	Computer-Aided Design and Analysis of Circuits and Semiconductor Masks	163	43	42	50	79	107	156	209	219	315	302	295	480	629	895	777	743	1134	964	1065	1039	1175	10881
717	Data Processing: Software Development, Installation, and Management	93	20	21	44	66	116	141	153	199	465	555	489	632	496	548	735	846	1255	1123	1160	1489	2041	12687
718	Electrical Computers and Digital Processing Systems: Virtual Machine Task or Process Management or Task Management/Control	192	39	28	56	62	109	135	109	155	270	243	267	314	337	329	455	398	575	446	532	577	861	6489
719	Electrical Computers and Digital Processing Systems: Interprogram Communication or Interprocess Communication (Ipc)	50	15	16	20	30	69	116	113	126	249	289	265	392	411	357	511	460	615	453	632	691	741	6621
720	Dynamic Optical Information Storage or Retrieval	426	60	103	123	102	89	74	137	118	183	190	153	216	238	214	238	255	313	291	318	243	218	4302
725	Interactive Video Distribution Systems	500	74	78	68	88	97	138	273	275	428	456	372	329	345	385	440	384	709	566	638	956	1403	9002
726	Information Security	50	18	14	16	21	31	32	61	88	204	287	356	372	285	307	501	511	967	1149	1419	1881	2625	11195
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	111	13	29	48	38	99	91	253	282	498	670	631	666	555	525	614	521	778	904	762	946	1080	10114
850	Scanning-Probe Techniques or Apparatus; Applications of Scanning-Probe Techniques, e.g., Scanning Probe Microscopy [Spm]	334	76	104	112	105	117	132	110	87	112	117	112	158	161	224	228	210	11	3	5	29	68	2615
901	Robots	1848	252	236	214	204	157	154	147	132	185	183	160	165	177	182	148	143	201	165	134	129	169	5485
902	Electronic Funds Transfer	736	27	33	25	33	28	37	31	49	57	64	81	61	40	45	55	62	60	72	59	52	54	1761
903	Hybrid Electric Vehicles (Hevs)	60	1	3	11	9	26	18	29	26	73	100	100	138	220	216	167	96	17	91	107	73	111	1692
930	Peptide or Protein Sequence	2145	6	12	58	76	66	38	59	85	79	79	48	46	33	31	40	29	32	23	18	12	19	3034
968	Horology	3273	127	6	0	1	0	1	0	0	6	3	2	4	2	2	2	0	1	1	1	1	2	3435
976	Nuclear Technology	5314	258	172	48	9	21	23	23	19	25	5	10	3	4	6	3	3	5	4	1	1	3	5960
977	Nanotechnology	90	41	64	82	108	152	137	171	172	243	433	262	372	492	725	373	338	276	344	431	530	780	6616
984	Musical Instruments	2986	182	0	0	0	0	0	0	0	0	0	2	2	2	4	1	0	1	2	3	1	1	3187
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	4789	299	75	2	0	1	1	1	5	4	0	9	5	2	4	2	1	1	0	0	0	2	5203
G9B	Information Storage Based On Relative Movement Between Record Carrier and Transducer	15480	1711	2056	2215	2365	2465	2566	2801	2930	3990	3697	3698	3792	3977	4137	4370	3496	4784	4065	3912	205	20	78732
SUBTOTAL	UTILITY CLASSES	1695196	166078	175176	177356	179597	183050	181870	195757	199481	260497	268179	271561	285175	287235	290662	282458	246704	294799	265375	263821	269938	352981	6792946

Class	Class Title	Pre 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
D00	** Design Classification Undetermined **	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	3	7
D01	Edible Products	231	38	67	84	52	47	41	61	52	58	56	69	66	50	45	125	88	139	64	63	146	89	1731
D02	Apparel and Haberdashery	2092	281	338	383	481	457	348	383	536	739	614	539	501	507	551	600	507	922	987	1141	931	945	14783
D03	Travel Goods and Personal Belongings	2613	377	440	389	460	428	450	448	460	561	591	600	623	575	572	532	472	697	707	683	668	758	14104
D04	Brushware	596	81	99	95	131	117	161	156	142	169	153	191	204	284	204	144	166	198	168	234	176	155	4024
D05	Textile or Paper Yard Goods; Sheet Material	325	17	31	14	25	13	33	30	40	52	53	98	75	52	41	69	94	91	87	79	72	103	1494
D06	Furnishings	9053	844	1086	1100	1479	1220	1540	1523	1287	1673	1658	1878	1936	1713	1678	1641	1267	1721	2182	2005	1836	1635	41955
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified	5696	578	585	574	799	736	696	881	674	869	864	1053	1099	843	1052	959	761	1247	1474	1500	1246	1426	25612
D08	Tools and Hardware	5769	689	801	892	907	920	916	911	895	1184	1158	1381	1113	1044	1201	1119	880	1510	1658	1780	1351	1211	29290
D09	Packages and Containers for Goods	3871	567	654	525	601	642	662	644	668	804	814	958	951	763	957	735	783	1207	1492	1412	1527	1467	22704
D10	Measuring, Testing, or Signalling Instruments	3659	476	682	575	581	651	783	540	616	789	717	724	757	652	536	573	534	721	802	966	776	724	17834
D11	Jewelry, Symbolic Insignia, and Ornaments	2743	232	320	305	400	376	477	404	446	498	412	428	496	457	437	416	367	515	516	574	529	538	11886
D12	Transportation	4933	747	768	758	916	819	779	783	875	1099	997	1265	1132	1099	1115	1319	990	1487	1532	1650	1788	1706	28557
D13	Equipment for Production, Distribution, or Transformation of Energy	1795	327	429	408	385	397	390	389	338	528	684	684	592	676	720	578	597	1034	1108	1379	1372	1257	16067
D14	Recording, Communication, or Information Retrieval Equipment	4861	801	871	743	957	1049	1096	1099	1077	1356	1377	1645	1428	1489	1797	1793	1342	2480	2920	3465	3182	2807	39635
D15	Machines Not Elsewhere Specified	2704	257	183	319	382	284	378	365	276	382	381	435	410	430	418	437	343	649	693	623	584	635	11568
D16	Photography and Optical Equipment	1210	180	194	211	192	226	232	281	259	406	362	463	365	290	417	322	301	416	717	586	471	440	8541
D17	Musical Instruments	496	74	92	56	54	80	53	59	49	67	72	39	54	46	60	37	48	65	66	110	68	66	1811
D18	Printing and Office Machinery	2156	296	360	242	298	258	294	286	243	234	224	310	295	217	242	201	160	455	418	295	280	251	8015
D19	Office Supplies; Artists' and Teachers' Materials	2001	247	324	358	367	290	374	238	307	414	413	437	454	422	427	461	379	384	486	608	424	375	10190
D20	Sales and Advertising Equipment	692	106	132	109	137	169	156	128	182	219	182	227	153	104	184	146	136	141	144	137	163	181	3928
D21	Games, Toys, and Sports Goods	6033	699	893	828	812	1060	1059	925	886	1217	1129	1205	970	825	863	794	697	1143	1091	1205	993	913	26240
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment	1564	184	147	189	153	188	205	225	159	189	196	198	173	178	194	160	150	205	191	191	234	276	5549
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment	3744	419	649	560	494	594	613	580	600	833	860	1036	931	988	934	850	814	1585	1374	1478	1293	1357	22586
D24	Medical and Laboratory Equipment	4352	442	521	579	566	598	612	589	502	587	639	735	817	629	740	610	384	604	1016	1086	1095	1384	19087
D25	Building Units and Construction Elements	2620	191	203	266	286	335	374	312	343	363	381	407	405	438	385	362	326	322	444	474	447	512	10196
D26	Lighting	1905	233	353	348	309	398	421	505	489	581	595	856	959	730	792	714	529	916	1197	1368	1207	1250	16655
D27	Tobacco and Smokers' Supplies	451	30	35	12	25	37	37	39	47	90	94	66	85	98	68	79	59	109	124	79	79	86	1829
D28	Cosmetic Products and Toilet Articles	1498	281	197	142	173	281	200	217	215	232	242	421	374	290	306	283	212	336	341	346	313	352	7252
D29	Equipment for Safety, Protection, and Rescue	533	78	63	61	81	98	119	109	93	82	93	103	89	117	75	103	67	129	153	169	161	119	2695
D30	Animal Husbandry	935	92	166	169	220	207	211	210	157	135	121	209	135	131	145	143	149	180	222	229	201	290	4657
D32	Washing, Cleaning, or Drying Machine	1199	193	227	156	168	225	239	223	239	259	230	337	298	276	314	278	207	435	541	493	396	423	7356
D34	Material or Article Handling Equipment	1536	230	332	388	389	289	299	220	164	250	226	228	218	212	227	184	105	263	388	290	282	243	6963
D99	Miscellaneous	431	36	36	55	67	53	83	57	71	86	74	88	115	57	100	114	62	63	45	58	40	88	1879
SUBTOTAL	DESIGN CLASSES	84297	10323	12278	11893	13347	13542	14331	13820	13387	17005	16662	19313	18273	16682	17797	16881	13976	22369	25351	26756	24332	24065	446680
PLT	Plants	3080	318	353	321	442	499	389	367	398	563	422	551	586	1134	994	1019	716	1149	1047	1241	1011	989	17589
SUBTOTAL	PLANT CLASSES	3080	318	353	321	442	499	389	367	398	563	422	551	586	1134	994	1019	716	1149	1047	1241	1011	989	17589
TOTAL	ALL CLASSES	1782573	176719	187807	189570	193386	197091	196590	209944	213266	278065	285263	291425	304034	305051	309453	300358	261396	318317	291773	291818	295281	378035	7257215

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

Contact Information -

Questions regarding these reports should be directed to:

U.S. Patent and Trademark Office
Electronic Information Products Division - PTMT
P.O. Box 1450
Alexandria, VA 22313-1450

tel: (571) 272-5600
FAX: (571) 273-0110
[e-mail:oeip@uspto.gov](mailto:oeip@uspto.gov)

address of PTMT pages at the USPTO Web Site: <http://www.uspto.gov/web/offices/ac/ido/oeip/taf/tafp.html>
selected PTMT files available for download at : <http://www.uspto.gov/web/offices/ac/ido/oeip/taf/data/>

[Top](#)

[. Home](#) > [Listing of Viewable PTMT Reports](#)

Last Modified : 03/28/2011 18:39:47