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		Class Title	Subclass Ranges From	To
Art Unit	1611	-----	-----	-----
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	401	
Art Unit	1612	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	450 484 49	58
Art Unit	1615	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	400 402 451 48 485 61 69 76.1	449 483 502 64 74 78.38
Art Unit	1616	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	123 40 59 600 65 650 900	126 47 60 648 68 724 DIG 16
Class	504	PLANT PROTECTING AND REGULATING COMPOSITIONS	ALL	
Art Unit	1617	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	75	

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		Class Title	Subclass Ranges From	To
Art Unit	1618	-----	-----	-----
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	1.11	10.4
Class	534	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	10	16
Art Unit	1619	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	84	
Art Unit	1621	-----		
Class	534	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	FOR 000	
Class	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	FOR 000	
Art Unit	1622	-----		
Class	556	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	432	
Class	562	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	32	
Class	564	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	328	
Class	568	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	837	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	1624	-----	-----	-----

Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	211.01 211.05 211.09 212.03 217.06 219 222.5 224.2 226.8 246 255.02 259.4 261.1 265.1 325 416	222.8 266.2
Class	540	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	1 484	464 FOR 000
Class	544	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	

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			Subclass Ranges	
			From	To
Class Title				
-----			-----	-----
Art Unit	1625			

Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	105 190 205 209 210.06 210.08 211.07 216 217.09 258.1 285 295 300 309 316 326 331 333 344 347 349 439 639 671 730 74 810 82 88	286

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		Class Title	Subclass Ranges	
			From	To
Art Unit	1626	-----	-----	-----
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	113 143 211.03 217.08 217.1 24 254.01 254.1 36 371 377 382 429 434 471 479 488 501 660 779 800 940 95	
Class	534	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	550 7	DIG 10
Class	548	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	558	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	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	1	368

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		Class Title	Subclass Ranges	
			From	To
Art Unit	1629	-----	-----	-----
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	649	
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	1	
			106	112
			114	116
			118	142
			145	189
			191	196
			198	204
			206	208
			210.01	210.05
			210.07	
			210.09	210.21
			211.02	
			211.04	
			211.06	
			211.08	
			211.1	212.02
			212.04	215
			217	217.05
			217.07	
			217.11	218
			220	222.2
			223.2	223.8
			224.5	226.5
			227.2	245
			247	253.13
			254.02	254.09
			254.11	255.01
			255.03	257
			259.1	259.31
			259.41	260.1
			262.1	264.11
			266.21	284
			287	294
			296	299
			304	308
			310	315
			317	324
			328	330
			332	
			334	343
			345	346
			348	
			350	370
			372	376
			378	381

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		Class Title	Subclass Ranges From	To
Art Unit	1631	-----	-----	-----
Class	702	DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING	19	21
Class	703	DATA PROCESSING: STRUCTURAL DESIGN, MODELING, SIMULATION, AND EMULATION	11	12
Art Unit	1632	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	570	
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	325 69.5 69.8 91.33	69.52 69.9
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	23.1 23.5	
Class	800	MULTICELLULAR LIVING ORGANISMS AND UNMODIFIED PARTS THEREOF AND RELATED PROCESSES	3 FOR 100	25
Art Unit	1633	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	93.2	93.21
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	320.1 455 458 463	
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	44 R	
Art Unit	1634	-----		
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	6.1 6.14 FOR 237	6.11 6.18
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	24.1	24.33
Art Unit	1636	-----		
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	252.3 254.11 337	252.35 254.9 338

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		Class Title	Subclass Ranges From	To
Art Unit	1637	-----	-----	-----
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	6.12	
Art Unit	1639	-----		
Class	506	COMBINATORIAL CHEMISTRY TECHNOLOGY: METHOD, LIBRARY, APPARATUS	1 41	32 43
Art Unit	1641	-----		
Class	930	PEPTIDE OR PROTEIN SEQUENCE	FOR 000	
Art Unit	1642	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	137.1 155.1 278.1 800 806	138.1 156.1 280.1 801 809
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	330 344 449 459 464 471 7.23	344.1 454 462 467 490
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	22	
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	389.7 860	868
Art Unit	1643	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	131.1 174.1 178.1 181.1 277.1	136.1 179.1
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	387.3 387.7 388.8	388.85

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		Class Title	Subclass Ranges	
			From	To
Art Unit	1644	-----	-----	-----
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	139.1 152.1 171.1 175.1 275.1 804 811	143.1 154.1 173.1 276.1 805
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	327 331 343 345 FOR 123 FOR 207	329 343.2 FOR 205 FOR 236
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	19.1 9.3	
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	386 387.5 387.9 388.5 388.7 388.9 389.6	387.2 388.35 388.75 389.3

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			Subclass Ranges	
Class Title			From	To
Art Unit	1645	-----	-----	-----
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	144.1 146.1 150.1 157.1 163.1 176.1 180.1 182.1 190.1 193.1 200.1 234.1 282.1 802 810 812 823	151.1 170.1 177.1 184.1 191.1 197.11 201.1 274.1 283.1 803 832
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	257.2 317.1 332 340 342 7.22 7.3 821	333 7.4
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	388.4 388.6 389.5 389.8 390.5 391.9 800	391.5 394 859

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			Subclass Ranges	
Class Title			From	To
Art Unit	1646			
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	145.1 158.1 85.1	85.7 336
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	334	336
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	10.7 11.3 12.4 12.7 16.1 16.4 18.3 18.9 20.6 21.2 5.1 5.3 5.8 7.5 8.5 9.4 FOR 000	10.8 11.5 17.1 18.5 5.9 8.2 9.2 10.3
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	350 395 397	351 399
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	23.2 23.51	23.4
Class	930	PEPTIDE OR PROTEIN SEQUENCE	140 50 90	145
Art Unit	1647			
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	130.1 185.1 198.1	

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			Subclass Ranges	
			From	To
Class Title				
-----			-----	-----
Art Unit	1648			

Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	147.1 159.1 186.1 199.1 202.1 281.1 813	149.1 162.1 189.1 233.1 822
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	235.1 339 456 5	239 339.1 457
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	389.4 390.1	
Art Unit	1649			

Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	17.3 5.2 8.3	18.2 8.4
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	400 402	403
Class	800	MULTICELLULAR LIVING ORGANISMS AND UNMODIFIED PARTS THEREOF AND RELATED PROCESSES	FOR 000 FOR 104	
Art Unit	1652			

Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	183 71.1 94	234 71.2 171
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	396	

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		Class Title	Subclass Ranges From	To
Art Unit	1653	-----	-----	-----
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	93.1 93.3 FOR 000	122
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	1.1 173.1 242 252.4 255.1 257.3 326 346 361 70.1 71.3 8 803 815 818 822 92	2 182 252.2 254.1 257.1 261 357 408 70.5 90 68.1 804 816 948 93
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	FOR 000	
Art Unit	1654			
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	FOR 100	FOR 128
Art Unit	1655			
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	520 571 725	569 583 780

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		Class Title	Subclass Ranges	
			From	To
Art Unit	1656	-----	-----	-----
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	192.1	
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	69.2	69.4
			69.6	69.7
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	352	385
			401	
			404	427
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	23.6	23.74
Class	930	PEPTIDE OR PROTEIN SEQUENCE	10	40
			100	130
			150	DIG 822
			60	80
Art Unit	1657	-----		
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	820	
Art Unit	1661	-----		
Class	PLT	PLANTS	ALL	
Art Unit	1662	-----		
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	341	
			410	431
			468	470
			FOR 114	FOR 122
Class	800	MULTICELLULAR LIVING ORGANISMS AND UNMODIFIED PARTS THEREOF AND RELATED PROCESSES	260	323.3
			FOR 101	FOR 103
			FOR 105	FOR 108

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		Class Title	Subclass Ranges	
			From	To
Art Unit	1671	-----	-----	-----
Class	260	CHEMISTRY OF CARBON COMPOUNDS	1	665 R
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	117 144 197 426 482 500 524 607 659 694 711 741 745 747 910 943 960	
Class	518	CHEMISTRY: FISCHER-TROPSCH PROCESSES; OR PURIFICATION OR RECOVERY OF PRODUCTS THEREOF	ALL	
Class	552	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	554	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	556	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	1 433	431 FOR 000
Class	560	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	562	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	1 33	31 FOR 000
Class	564	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	1 329	327 FOR 000
Class	568	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	1 838	836 FOR 000
Class	570	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	1673			
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	23 25 37 45 57	35 43 55 62
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	1.11 25.1	22.1 128
Art Unit	1674			
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	91.1 91.4	91.32 91.53
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	44 A	
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	23.52 24.5	23.53
Art Unit	1675			
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	1.1 10.4 10.9 11.6 12.5 12.8 16.2 17.2 18.6 19.2 20.7 21.3 5.5 56 6.1 300	4.9 10.6 11.2 12.3 12.6 15.9 16.3 17.2 18.8 20.5 21.1 21.92 5.7 7.4 345
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF		
Art Unit	1676			
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	5.4	

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		Class Title	Subclass Ranges From	To
Art Unit	1677	-----	-----	-----
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	3 6.19 7.24 7.5 7.91 800 960 FOR 206	4 7.21 7.25 7.8 7.95 802 975 829
Class	436	CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING	500	
Art Unit	1678	-----		
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	7.9	
Art Unit	1711	-----		
Class	8	BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS	147	159
Class	68	TEXTILES: FLUID TREATING APPARATUS	ALL	
Class	134	CLEANING AND LIQUID CONTACT WITH SOLIDS	ALL	
Art Unit	1713	-----		
Class	216	ETCHING A SUBSTRATE: PROCESSES	2	109
Class	252	COMPOSITIONS	79.1	79.5
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	689 704 9	698 757
Art Unit	1714	-----		
Class	117	SINGLE-CRYSTAL, ORIENTED-CRYSTAL, AND EPITAXY GROWTH PROCESSES; NON-COATING APPARATUS THEREFOR	1	958

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		Class Title	Subclass Ranges From	To
Art Unit	1715	-----	-----	-----
Class	427	COATING PROCESSES	1 214	213 FOR 110
Art Unit	1716	-----		
Class	118	COATING APPARATUS	715 FOR 000	900
Class	156	ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE	345.1 912	345.55 917
Art Unit	1717	-----		
Class	118	COATING APPARATUS	13 DIG 1	714 DIG 22
Art Unit	1722	-----		
Class	252	COMPOSITIONS	299.01	299.7
Art Unit	1725	-----		
Class	48	GAS: HEATING AND ILLUMINATING	ALL	
Art Unit	1726	-----		
Class	29	METAL WORKING	2 623.1 730	623.5 731
Class	429	CHEMISTRY: ELECTRICAL CURRENT PRODUCING APPARATUS, PRODUCT, AND PROCESS	ALL	

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			Subclass Ranges	
Class Title			From	To
Art Unit	1731			

Class	51	ABRASIVE TOOL MAKING PROCESS, MATERIAL, OR COMPOSITION	ALL	
Class	106	COMPOSITIONS: COATING OR PLASTIC	2	18.36
			273.1	284.4
			310	DIG 7
			32.5	34
			36	38.9
Class	252	COMPOSITIONS	378 P	378 R
			70	
			8.57	8.91
			950	951
Class	501	COMPOSITIONS: CERAMIC	ALL	
Art Unit	1732			

Class	106	COMPOSITIONS: COATING OR PLASTIC	122	272
			285	287.35
			FOR 000	FOR 197
Class	127	SUGAR, STARCH, AND CARBOHYDRATES	29	71
Class	423	CHEMISTRY OF INORGANIC COMPOUNDS	700	718
Class	502	CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR: PRODUCT OR PROCESS OF MAKING	100	231
Art Unit	1733			

Class	75	SPECIALIZED METALLURGICAL PROCESSES, COMPOSITIONS FOR USE THEREIN, CONSOLIDATED METAL POWDER COMPOSITIONS, AND LOOSE METAL PARTICULATE MIXTURES	ALL	
Class	148	METAL TREATMENT	22	33.6
			99	DIG 174
Class	222	DISPENSING	590	607
			629	
Class	266	METALLURGICAL APPARATUS	ALL	
Class	419	POWDER METALLURGY PROCESSES	ALL	
Class	420	ALLOYS OR METALLIC COMPOSITIONS	ALL	

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		Class Title	Subclass Ranges From	To
Art Unit	1734	-----	-----	-----
Class	106	COMPOSITIONS: COATING OR PLASTIC	1.05 31.01 35	1.29 31.97
Class	252	COMPOSITIONS	301.16 60	301.6 S 62.9P Z
Art Unit	1735	-----		
Class	149	EXPLOSIVE AND THERMIC COMPOSITIONS OR CHARGES	ALL	
Class	164	METAL FOUNDING	ALL	
Class	228	METAL FUSION BONDING	ALL	
Art Unit	1736	-----		
Class	23	CHEMISTRY: PHYSICAL PROCESSES	ALL	
Class	71	CHEMISTRY: FERTILIZERS	ALL	
Class	148	METAL TREATMENT	95	98
Class	252	COMPOSITIONS	372	377
Class	423	CHEMISTRY OF INORGANIC COMPOUNDS	1 DIG 1	659 FOR 102
Class	502	CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR: PRODUCT OR PROCESS OF MAKING	1 232	87 FOR 000
Class	505	SUPERCONDUCTOR TECHNOLOGY: APPARATUS, MATERIAL, PROCESS	ALL	
Class	588	HAZARDOUS OR TOXIC WASTE DESTRUCTION OR CONTAINMENT	1 261	20 FOR 000
Art Unit	1737	-----		
Class	430	RADIATION IMAGERY CHEMISTRY: PROCESS, COMPOSITION, OR PRODUCT THEREOF	ALL	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	1741	-----	-----	-----
	Class 65	GLASS MANUFACTURING	ALL	
	Class 162	PAPER MAKING AND FIBER LIBERATION	33	
Art Unit	1742	-----		
	Class 264	PLASTIC AND NONMETALLIC ARTICLE SHAPING OR TREATING: PROCESSES	.5 5	4 FOR 102
Art Unit	1743	-----		
	Class 425	PLASTIC ARTICLE OR EARTHENWARE SHAPING OR TREATING: APPARATUS	ALL	
Art Unit	1744	-----		
	Class 249	STATIC MOLDS	197 52 DIG 1	206 187.1 DIG 5
Art Unit	1745	-----		
	Class 156	ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE	346 423 918 FOR 100	393 767 DIG 51 FOR 101
Art Unit	1746	-----		
	Class 156	ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE	1 137 908	109 338

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		Class Title	Subclass Ranges	
			From	To
Art Unit	1747	-----	-----	-----
Class	131	TOBACCO	ALL	
Class	152	RESILIENT TIRES AND WHEELS	900	DIG 6
			DIG 12	
			DIG 14	DIG 16
			DIG 18	DIG 19
Class	156	ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE	906	907
			909	910
Art Unit	1748			
Class	162	PAPER MAKING AND FIBER LIBERATION	1	32
			34	FOR 000
Art Unit	1749			
Class	152	RESILIENT TIRES AND WHEELS	151	169
			192	212
			300	322
			331.1	373
			450	565
Class	156	ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE	110.1	136
			394.1	422
Art Unit	1756			
Class	204	CHEMISTRY: ELECTRICAL AND WAVE ENERGY	157.91	
Class	205	ELECTROLYSIS: PROCESSES, COMPOSITIONS USED THEREIN, AND METHODS OF PREPARING THE COMPOSITIONS	207	
			684	
Art Unit	1757			
Class	136	BATTERIES: THERMOELECTRIC AND PHOTOELECTRIC	ALL	

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			Subclass Ranges	
			From	To
Class Title				
-----			-----	-----
Art Unit	1761			

Class	8	BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS	115.54 404 436	133 939
Class	252	COMPOSITIONS	1 363.5 380 478 67 71 88.1 960	8.05 367.1 407 700 69 79 194 FOR 254
Class	510	CLEANING COMPOSITIONS FOR SOLID SURFACES, AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF PREPARING THE COMPOSITIONS	100 174 220 227 281 295 299 301 307 324 343 394 398 406 437 468 515 536	156 213 225 277 293 297 304 318 341 391 404 434 466 513 528 FOR 240
Class	523	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	462	468

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		Class Title	Subclass Ranges	
			From	To
Art Unit	1762	-----	-----	-----
Class	260	CHEMISTRY OF CARBON COMPOUNDS	998.11	FOR 000
Class	521	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	25	39
Class	523	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	123 160 180 218	177 181 375
Class	524	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	1 700 732 839 868	587 729 836 857 929
Class	525	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	149 185 319 50 65 92 H	164 190 324 62
Class	526	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	280 59	FOR 000 278
Art Unit	1763	-----		
Class	512	PERFUME COMPOSITIONS	1	27
Class	524	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	589 FOR 000	591

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			Subclass Ranges	
Class Title			From	To
Art Unit		-----	-----	-----
1764				

Class	8	BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS	137 160 405 94.1 D	142 403 435 115.53
			DIG 1	FOR 000
Class	510	CLEANING COMPOSITIONS FOR SOLID SURFACES, AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF PREPARING THE COMPOSITIONS	226 320 342 392 405	 321 393
Class	523	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	200 215	211 217
Class	524	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	592	598
Class	525	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	242	318

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			Subclass Ranges	
			From	To
Class Title				
Art Unit	1765			
Class	264	PLASTIC AND NONMETALLIC ARTICLE SHAPING OR TREATING: PROCESSES	4.1	4.7
Class	427	COATING PROCESSES	213.3	213.36
Class	428	STOCK MATERIAL OR MISCELLANEOUS ARTICLES	402.2	402.24
Class	520	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	ALL	
Class	521	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	40	918
Class	522	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	ALL	
Class	523	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	212	214
Class	524	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	588	
Class	525	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	146 178 191 396 419 438 446 461 481 523 63 66 92 J	148 184 241 436 470 486 533 64 92 G 122
Class	526	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	279	
Class	527	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	ALL	
Class	528	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	10 176 310 392 480	124 270 372 402 FOR 000

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			Subclass Ranges	
			From	To
Class Title				
Art Unit	1766	-----	-----	-----
Class	516	COLLOID SYSTEMS AND WETTING AGENTS; SUBCOMBINATIONS THEREOF; PROCESSES OF MAKING, STABILIZING, BREAKING, OR INHIBITING	117 123	118 124
Class	525	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	123 165 326.1 397 437 439 447 471 487 534 7	145 177 395 418 445 460 480 522 FOR 000 49
Class	528	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	373 403	391 425

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			Subclass Ranges	
			From	To
Art Unit	1767	-----	-----	-----
Class	510	CLEANING COMPOSITIONS FOR SOLID SURFACES, AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF PREPARING THE COMPOSITIONS	157 214 278 294 298 300 305 319 322 395 435 467 514 529	173 219 280 306 323 397 436 535
Class	516	COLLOID SYSTEMS AND WETTING AGENTS; SUBCOMBINATIONS THEREOF; PROCESSES OF MAKING, STABILIZING, BREAKING, OR INHIBITING	1 119 125	116 122 FOR 163
Class	523	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	1 124 179 400 500	122 159 461 527
Class	524	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	599 730 837 858	650 731 838 866
Class	528	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	1 125 271	9 175 309.1
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	200 500	233 507
Art Unit	1768	-----		
Class	507	EARTH BORING, WELL TREATING, AND OIL FIELD CHEMISTRY	ALL	

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		Class Title	Subclass Ranges From	To
Art Unit	1771	-----	-----	-----
Class	44	FUEL AND RELATED COMPOSITIONS	ALL	
Class	196	MINERAL OILS: APPARATUS	ALL	
Class	208	MINERAL OILS: PROCESSES AND PRODUCTS	ALL	
Class	442	FABRIC (WOVEN, KNITTED, OR NONWOVEN TEXTILE OR CLOTH, ETC.)	FOR 000	
Class	508	SOLID ANTI-FRICTION DEVICES, MATERIALS THEREFOR, LUBRICANT OR SEPARANT COMPOSITIONS FOR MOVING SOLID SURFACES, AND MISCELLANEOUS MINERAL OIL COMPOSITIONS	ALL	
Art Unit	1772	-----		
Class	159	CONCENTRATING EVAPORATORS	ALL	
Class	201	DISTILLATION: PROCESSES, THERMOLYTIC	ALL	
Class	202	DISTILLATION: APPARATUS	ALL	
Class	203	DISTILLATION: PROCESSES, SEPARATORY	ALL	
Class	585	CHEMISTRY OF HYDROCARBON COMPOUNDS	ALL	
Art Unit	1774	-----		
Class	366	AGITATING	1	DIG 4
Class	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	105 129 187 600 FOR 100 ALL	115 185 242 659 FOR 122
Class	494	IMPERFORATE BOWL: CENTRIFUGAL SEPARATORS	ALL	

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		Class Title	Subclass Ranges From	To
Art Unit	1775	-----	-----	-----
Class	95	GAS SEPARATION: PROCESSES	FOR 000	
Class	96	GAS SEPARATION: APPARATUS	FOR 000	FOR 176
Class	366	AGITATING	FOR 000	
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	FOR 000	
Art Unit	1776	-----		
Class	55	GAS SEPARATION	ALL	
Class	95	GAS SEPARATION: PROCESSES	1	903
Class	96	GAS SEPARATION: APPARATUS	1	429
Class	261	GAS AND LIQUID CONTACT APPARATUS	ALL	
Art Unit	1778	-----		
Class	127	SUGAR, STARCH, AND CARBOHYDRATES	1 DIG 1	28 FOR 000
Class	210	LIQUID PURIFICATION OR SEPARATION	ALL	
Art Unit	1782	-----		
Class	428	STOCK MATERIAL OR MISCELLANEOUS ARTICLES	1.1 34.1	1.62 36.92
Art Unit	1783	-----		
Class	428	STOCK MATERIAL OR MISCELLANEOUS ARTICLES	119 191 212 33 38 43 66.1 98	189 220 34 63 84 115

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			Subclass Ranges	
			From	To
Class Title				

Art Unit	1784			

Class	428	STOCK MATERIAL OR MISCELLANEOUS ARTICLES	116	118
			2	32
			209	210
			39	
			408	410
			426	428
			432	434
			446	
			448	450
			452	454
			469	472.3
			539.5	
			542.2	542.8
			544	689
			691	
			696	704
Art Unit	1785			

Class	428	STOCK MATERIAL OR MISCELLANEOUS ARTICLES	192	
			194	195.1
			198	208
			211.1	
			32.1	32.21
			32.23	32.26
			32.28	32.87
			320.2	321.5
			488.11	488.41
			497	499
			64.1	65.9
			692.1	693.1
			800	848.9
Class	503	RECORD RECEIVER HAVING PLURAL INTERACTIVE LEAVES OR A COLORLESS COLOR FORMER, METHOD OF USE, OR DEVELOPER THEREFOR	ALL	
Art Unit	1786			

Class	428	STOCK MATERIAL OR MISCELLANEOUS ARTICLES	357	401
			690	
Class	442	FABRIC (WOVEN, KNITTED, OR NONWOVEN TEXTILE OR CLOTH, ETC.)	59	180
			FOR 100	FOR 167

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Class Title			Subclass Ranges	
			From	To
Art Unit	1787	-----	-----	-----

Class	428	STOCK MATERIAL OR MISCELLANEOUS ARTICLES	32.22	
			32.27	
			323	342
			355 R	356
			411.1	425.9
			429	431
			435	445
			447	
			451	
			455	468
			473	487
			489	496
			500	537.7
			540	541
			543	
			900	FOR 175
Art Unit	1788			

Class	428	STOCK MATERIAL OR MISCELLANEOUS ARTICLES	304.4	319.9
			322.2	322.7
			343	355 N
			40.1	42.3
			402	
			403	407
Art Unit	1789			

Class	428	STOCK MATERIAL OR MISCELLANEOUS ARTICLES	190	
			193	
			196	197
			221	301.4
			37	
			85	97
Class	442	FABRIC (WOVEN, KNITTED, OR NONWOVEN	1	58
		TEXTILE OR CLOTH, ETC.)	181	417
Art Unit	1791			

Class	426	FOOD OR EDIBLE MATERIAL: PROCESSES,	1	74
		COMPOSITIONS, AND PRODUCTS	105	
			135	
			140	
			246	

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			Subclass Ranges	
Class Title			From	To
Art Unit	1792			

Class	117	SINGLE-CRYSTAL, ORIENTED-CRYSTAL, AND EPITAXY GROWTH PROCESSES; NON-COATING APPARATUS THEREFOR	FOR 000	
Class	156	ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE	FOR 000	
Class	216	ETCHING A SUBSTRATE: PROCESSES	FOR 000	
Class	426	FOOD OR EDIBLE MATERIAL: PROCESSES, COMPOSITIONS, AND PRODUCTS	104 106 138 143 247 312 316 324 383 389 392 418 438 464 496 75 800 90	134 139 245 248 314 327 390 416 421 473 524 88 FOR 000 91
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	FOR 102	FOR 134
Art Unit	1794			

Class	204	CHEMISTRY: ELECTRICAL AND WAVE ENERGY	155 157.92 192.1 228.1 298.01 554 660	157.9 158.21 194 278.5 298.41 573 FOR 937
Class	205	ELECTROLYSIS: PROCESSES, COMPOSITIONS USED THEREIN, AND METHODS OF PREPARING THE COMPOSITIONS	147 220 316 339 343 363 43 498 560	157 237 333 340 353 412 79 507 683

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			Subclass Ranges	
			From	To
Class Title				

Art Unit	1795			

Class	204	CHEMISTRY: ELECTRICAL AND WAVE ENERGY	164	179
			196.01	227
			279	297.16
			400	553
			600	650
Class	205	ELECTROLYSIS: PROCESSES, COMPOSITIONS USED THEREIN, AND METHODS OF PREPARING THE COMPOSITIONS	158	206
			208	219
			238	315
			334	338
			341	342
			354	362
			413	497
			508	559
			687	794.5
			80	146
Class	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	186	186.3
Art Unit	1796			

Class	512	PERFUME COMPOSITIONS	FOR 000	
Class	521	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	919	FOR 000
Class	523	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	FOR 000	
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	FOR 000	
Art Unit	1797			

Class	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	502	507
Class	436	CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING	1	183
			900	FOR 000

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		Class Title	Subclass Ranges From	To
Art Unit	1798	-----	-----	-----
Class	252	COMPOSITIONS	408.1	
Class	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	116 310 49 508 900	501 98 570 948
Class	506	COMBINATORIAL CHEMISTRY TECHNOLOGY: METHOD, LIBRARY, APPARATUS	33	40
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	266	274
Art Unit	1799	-----		
Class	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	1 117 243	43 128 309
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	262 805 817 819	309.4 814
Art Unit	2118	-----		
Class	713	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT	FOR 400	
Art Unit	2121	-----		
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	130 FOR 000	FOR 106
Art Unit	2122	-----		
Class	706	DATA PROCESSING: ARTIFICIAL INTELLIGENCE	900	FOR 131
Art Unit	2123	-----		
Class	703	DATA PROCESSING: STRUCTURAL DESIGN, MODELING, SIMULATION, AND EMULATION	FOR 488	FOR 806

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		Class Title	Subclass Ranges From	To
Art Unit	2126	-----	-----	-----
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	1 145 265 275 95	90 212 306 129
Art Unit	2129	-----		
Class	706	DATA PROCESSING: ARTIFICIAL INTELLIGENCE	1	62
Art Unit	2131	-----		
Class	713	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT	FOR 000	
Art Unit	2139	-----		
Class	711	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY	1	E12.103
Art Unit	2143	-----		
Class	715	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT, OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING	700	FOR 208
Art Unit	2144	-----		
Class	715	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT, OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING	200	277
Art Unit	2146	-----		
Class	703	DATA PROCESSING: STRUCTURAL DESIGN, MODELING, SIMULATION, AND EMULATION	1 13	10 28

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		Class Title	Subclass Ranges From	To
Art Unit	2161	-----	-----	-----
Class	707	DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES	ALL	
Art Unit	2176	-----		
Class	715	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT, OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING	FOR 209	FOR 264
Art Unit	2182	-----		
Class	708	ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING AND CALCULATING	ALL	
Art Unit	2183	-----		
Class	712	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)	1	E09.086
Art Unit	2184	-----		
Class	714	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY	FOR 100	FOR 300
Art Unit	2185	-----		
Class	710	ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT	1	317
Art Unit	2186	-----		
Class	714	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY	1 FOR 306	E11.22 FOR 313

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		Class Title	Subclass Ranges From	To
Art Unit	2187	-----	-----	-----
Class	713	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT	1 300	100 601
Art Unit	2189	-----		
Class	711	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY	FOR 000	
Art Unit	2192	-----		
Class	717	DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT	100	178
Art Unit	2193	-----		
Class	717	DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT	FOR 000	
Art Unit	2194	-----		
Class	719	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS COMMUNICATION (IPC)	FOR 000	FOR 173
Art Unit	2195	-----		
Class	718	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: VIRTUAL MACHINE TASK OR PROCESS MANAGEMENT OR TASK MANAGEMENT/CONTROL	FOR 000	FOR 167
Art Unit	2196	-----		
Class	718	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: VIRTUAL MACHINE TASK OR PROCESS MANAGEMENT OR TASK MANAGEMENT/CONTROL	1	108
Class	719	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS	310	332

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		Class Title	Subclass Ranges From	To
Art Unit	2414	-----	-----	-----
Class	370	MULTIPLEX COMMUNICATIONS	200 501	361 FOR 197
Art Unit	2422	-----		
Class	348	TELEVISION	173 21 377 441 703 844 E13.055	206 24 383 698 817 E13.053 E17
Art Unit	2425	-----		
Class	725	INTERACTIVE VIDEO DISTRIBUTION SYSTEMS	ALL	
Art Unit	2447	-----		
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	ALL	
Art Unit	2465	-----		
Class	370	MULTIPLEX COMMUNICATIONS	362	430
Art Unit	2479	-----		
Class	370	MULTIPLEX COMMUNICATIONS	431	500
Art Unit	2482	-----		
Class	375	PULSE OR DIGITAL COMMUNICATIONS	240.1	240.29

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		Class Title	Subclass Ranges From	To
Art Unit	2484	-----	-----	-----
Class	386	MOTION VIDEO SIGNAL PROCESSING FOR RECORDING OR REPRODUCING	ALL	
Art Unit	2487	-----		
Class	348	TELEVISION	25 384.1 699 818	172 440.1 702 843
Art Unit	2489	-----		
Class	375	PULSE OR DIGITAL COMMUNICATIONS	240.01	240.09
Art Unit	2491	-----		
Class	380	CRYPTOGRAPHY	ALL	
Class	713	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT	150 FOR 123	194 FOR 125
Class	726	INFORMATION SECURITY	ALL	
Art Unit	2611	-----		
Class	345	COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY SYSTEMS	418 947	689 960
Class	375	PULSE OR DIGITAL COMMUNICATIONS	E01	FOR 109
Art Unit	2612	-----		
Class	348	TELEVISION	FOR 161 FOR 184	FOR 162 FOR 212
Art Unit	2613	-----		
Class	348	TELEVISION	FOR 000	FOR 160

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		Class Title	Subclass Ranges From	To
Art Unit	2621	-----	-----	-----
Class	178	TELEGRAPHY	18.01	20.04
Class	345	COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY SYSTEMS	1.1 690	215 905
Class	382	IMAGE ANALYSIS	FOR 000	
Art Unit	2622			
Class	348	TELEVISION	E13.054	
Art Unit	2627			
Class	G9B	INFORMATION STORAGE BASED ON RELATIVE MOVEMENT BETWEEN RECORD CARRIER AND TRANSDUCER	ALL	
Art Unit	2631			
Class	375	PULSE OR DIGITAL COMMUNICATIONS	130 241	240 377
Art Unit	2636			
Class	398	OPTICAL COMMUNICATIONS	ALL	
Art Unit	2642			
Class	455	TELECOMMUNICATIONS	400	466
Art Unit	2649			
Class	379	TELEPHONIC COMMUNICATIONS	55.1	56.3
Class	455	TELECOMMUNICATIONS	1 500	355 FOR 254

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		Class Title	Subclass Ranges From	To
Art Unit	2651	-----	-----	-----
	Class 348	TELEVISION	FOR 163	FOR 183
	Class 379	TELEPHONIC COMMUNICATIONS	22.05	
Art Unit	2652	-----		
	Class 379	TELEPHONIC COMMUNICATIONS	188	337
Art Unit	2653	-----		
	Class 379	TELEPHONIC COMMUNICATIONS	338 67.1	418 88.28
Art Unit	2654	-----		
	Class 381	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES	1 300 332	124 311 336
Art Unit	2656	-----		
	Class 348	TELEVISION	14.01	14.16
	Class 379	TELEPHONIC COMMUNICATIONS	1.01 22.06 419 90.01	22.04 52 FOR 197 187
	Class 381	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES	150 312 337	191 331 FOR 165
	Class 700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	94	
Art Unit	2657	-----		
	Class 704	DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION	FOR 000	

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		Class Title	Subclass Ranges From	To
Art Unit	2658	-----	-----	-----
Class	704	DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION	1	E21.02
Art Unit	2668	-----		
Class	382	IMAGE ANALYSIS	100	325
Art Unit	2673	-----		
Class	358	FACSIMILE AND STATIC PRESENTATION PROCESSING	518	
Art Unit	2676	-----		
Class	358	FACSIMILE AND STATIC PRESENTATION PROCESSING	1.1 519	517 FOR 182
Art Unit	2677	-----		
Class	345	COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY SYSTEMS	FOR 000	FOR 220
Art Unit	2683	-----		
Class	340	COMMUNICATIONS: ELECTRICAL	1.1	16.1
Class	367	COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES	197	199
Art Unit	2685	-----		
Class	340	COMMUNICATIONS: ELECTRICAL	146.2 901 FOR 100	815.92 999 FOR 472
Class	367	COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES	93	94

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		Class Title	Subclass Ranges From	To
Art Unit	2686	-----	-----	-----
Class	340	COMMUNICATIONS: ELECTRICAL	850	870.44
Class	341	CODED DATA GENERATION OR CONVERSION	173	192
Class	367	COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES	20 81	35 85
Art Unit	2688	-----		
Class	360	DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL	ALL	
Class	369	DYNAMIC INFORMATION STORAGE OR RETRIEVAL	ALL	
Class	720	DYNAMIC OPTICAL INFORMATION STORAGE OR RETRIEVAL	ALL	
Art Unit	2691	-----		
Class	178	TELEGRAPHY	1 21	17.5 FOR 103
Art Unit	2696	-----		
Class	348	TELEVISION	207.1	376
Art Unit	2763	-----		
Class	703	DATA PROCESSING: STRUCTURAL DESIGN, MODELING, SIMULATION, AND EMULATION	FOR 000	
Art Unit	2782	-----		
Class	710	ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT	FOR 000	
Art Unit	2783	-----		
Class	712	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING	FOR 000	

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		Class Title	Subclass Ranges From	To
Art Unit	2785	-----	-----	-----
Class	714	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY	FOR 000	
Art Unit	2811	-----		
Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	2 E21.034	798 E51.052
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	FOR 135	FOR 136
Art Unit	2812	-----		
Class	29	METAL WORKING	25.01	25.03
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	1 10 699 758 982 FOR 140 FOR 150 FOR 159	8 688 703 979 983 FOR 144 FOR 148 FOR 498
Art Unit	2813	-----		
Class	148	METAL TREATMENT	FOR 000	
Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	E21.012	E21.014
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	FOR 137	FOR 139
Art Unit	2814	-----		
Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	1 900 FOR 000	E21
Art Unit	2818	-----		
Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	E21	E21

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		Class Title	Subclass Ranges From	To
Art Unit	2822	-----	-----	-----
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	FOR 000	FOR 101
Art Unit	2823	-----		
Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	E21.01 E21.015	E21.011
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	980	981
Art Unit	2826	-----		
Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	E21.016	E21.018
Art Unit	2827	-----		
Class	365	STATIC INFORMATION STORAGE AND RETRIEVAL	ALL	
Art Unit	2828	-----		
Class	372	COHERENT LIGHT GENERATORS	ALL	
Art Unit	2831	-----		
Class	290	PRIME-MOVER DYNAMO PLANTS	ALL	
Class	322	ELECTRICITY: SINGLE GENERATOR SYSTEMS	ALL	
Art Unit	2832	-----		
Class	336	INDUCTOR DEVICES	FOR 000	
Class	338	ELECTRICAL RESISTORS	FOR 000	

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			Subclass Ranges	
Class Title			From	To
Art Unit	2833			

Class	200	ELECTRICITY: CIRCUIT MAKERS AND BREAKERS	ALL	
Class	218	HIGH-VOLTAGE SWITCHES WITH ARC PREVENTING OR EXTINGUISHING DEVICES	ALL	
Class	338	ELECTRICAL RESISTORS	1	DIG 1
Class	368	HOROLOGY: TIME MEASURING SYSTEMS OR DEVICES	ALL	
Class	439	ELECTRICAL CONNECTORS	ALL	
Art Unit	2834			

Class	310	ELECTRICAL GENERATOR OR MOTOR STRUCTURE	1 400 81 DIG 2	79 433 310 FOR 111
Art Unit	2835			

Class	174	ELECTRICITY: CONDUCTORS AND INSULATORS	102 A 133 R 15.6 21 C 31.5 650 70 A 85	102 P 16.3 FOR 117 74 A 94 S
Class	337	ELECTRICITY: ELECTROTHERMALLY OR THERMALLY ACTUATED SWITCHES	ALL	
Class	361	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES	600 752 796 805 FOR 102	747 759 802 837 FOR 110
Art Unit	2836			

Class	307	ELECTRICAL TRANSMISSION OR INTERCONNECTION SYSTEMS	ALL	
Class	361	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES	1 35 434 FOR 100	19 270 437 FOR 101

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			Subclass Ranges	
			From	To
Class Title				
-----			-----	-----
Art Unit	2837			

Class	84	MUSIC	ALL	
Class	181	ACOUSTICS	ALL	
Class	187	ELEVATOR, INDUSTRIAL LIFT TRUCK, OR STATIONARY LIFT FOR VEHICLE	247 277 316 380 901	248 299 317 399 902
Class	310	ELECTRICAL GENERATOR OR MOTOR STRUCTURE	311 80 800	371
Class	318	ELECTRICITY: MOTIVE POWER SYSTEMS	ALL	
Class	335	ELECTRICITY: MAGNETICALLY OPERATED SWITCHES, MAGNETS, AND ELECTROMAGNETS	ALL	
Class	336	INDUCTOR DEVICES	5	DIG 2
Class	361	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES	20 FOR 000	34
Class	388	ELECTRICITY: MOTOR CONTROL SYSTEMS	ALL	
Class	984	MUSICAL INSTRUMENTS	ALL	
Art Unit	2838			

Class	323	ELECTRICITY: POWER SUPPLY OR REGULATION SYSTEMS	ALL	
Class	363	ELECTRIC POWER CONVERSION SYSTEMS	ALL	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	2842			
Class	327	MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS	ALL	
Class	329	DEMODULATORS	ALL	
Class	330	AMPLIFIERS	ALL	
Class	331	OSCILLATORS	ALL	
Class	332	MODULATORS	ALL	
Class	333	WAVE TRANSMISSION LINES AND NETWORKS	ALL	
Class	334	TUNERS	ALL	
Class	340	COMMUNICATIONS: ELECTRICAL	FOR 000	
Class	377	ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR SHIFT REGISTERS: CIRCUITS AND SYSTEMS	ALL	
Art Unit	2844			
Class	315	ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS	ALL	
Class	326	ELECTRONIC DIGITAL LOGIC CIRCUITRY	ALL	
Art Unit	2845			
Class	341	CODED DATA GENERATION OR CONVERSION	1 200 50	17 FOR 000 172
Class	343	COMMUNICATIONS: RADIO WAVE ANTENNAS	ALL	
Art Unit	2847			
Class	174	ELECTRICITY: CONDUCTORS AND INSULATORS	102 R 15.1 21 R 250 32 520 74 R	133 B 15.5 29 397 36 565 84 S

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Class Title			Subclass Ranges	
			From	To
Art Unit	2848			

Class	174	ELECTRICITY: CONDUCTORS AND INSULATORS	1 135 17 R 30 37 480 95	14.0B H 212 20 31 S 69 507 101.5
Class	361	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES	271 500 748 760 803	330 541 751 795 804
Art Unit	2851			

Class	716	COMPUTER-AIDED DESIGN AND ANALYSIS OF CIRCUITS AND SEMICONDUCTOR MASKS	ALL	
Art Unit	2852			

Class	359	OPTICAL: SYSTEMS AND ELEMENTS	443 591 616	461 598 617
Class	396	PHOTOGRAPHY	ALL	
Class	399	ELECTROPHOTOGRAPHY	1 24 411	15 360 FOR 000
Art Unit	2853			

Class	346	RECORDERS	ALL	
Class	347	INCREMENTAL PRINTING OF SYMBOLIC INFORMATION	ALL	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	2854	-----	-----	-----
Class	101	PRINTING	ALL	
Class	199	TYPE CASTING	ALL	
Class	276	TYPESETTING	ALL	
Class	399	ELECTROPHOTOGRAPHY	16	23
Class	400	TYPEWRITING MACHINES	361	410
			ALL	
Art Unit	2856	-----		
Class	177	WEIGHING SCALES	115	
Class	968	HOROLOGY	2	977
Art Unit	2857	-----		
Class	702	DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING	1 22	18 FOR 173
Art Unit	2858	-----		
Class	324	ELECTRICITY: MEASURING AND TESTING	ALL	
Art Unit	2859	-----		
Class	320	ELECTRICITY: BATTERY OR CAPACITOR CHARGING OR DISCHARGING	ALL	
Class	968	HOROLOGY	FOR 000	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	2861	-----	-----	-----
Class	33	GEOMETRICAL INSTRUMENTS	ALL	
Class	73	MEASURING AND TESTING	ALL	
Class	116	SIGNALS AND INDICATORS	ALL	
Class	177	WEIGHING SCALES	1	114
Class	374	THERMAL MEASURING AND TESTING	116	FOR 000
Class			ALL	
Art Unit	2871			
Class	349	LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS	ALL	
Art Unit	2872			
Class	351	OPTICS: EYE EXAMINING, VISION TESTING AND CORRECTING	41	247
Class	359	OPTICAL: SYSTEMS AND ELEMENTS	FOR 100	FOR 119
			1	324
			350	442
			462	590
			599	615
			618	904
			FOR 100	FOR 150
Art Unit	2874			
Class	359	OPTICAL: SYSTEMS AND ELEMENTS	325	332
Art Unit	2875			
Class	362	ILLUMINATION	ALL	

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		Class Title	Subclass Ranges From	To
Art Unit	2876	-----	-----	-----
Class	235	REGISTERS	ALL	
Class	902	ELECTRONIC FUNDS TRANSFER	ALL	
Art Unit	2877	-----		
Class	356	OPTICS: MEASURING AND TESTING	140 142 153 2 30 4.09 6 FOR 100	151 900 3 139 4.1 27 FOR 142
Art Unit	2878	-----		
Class	250	RADIANT ENERGY	200 548 900 DIG 1 ALL	239 578.1 908 DIG 2
Class	352	OPTICS: MOTION PICTURES		
Art Unit	2879	-----		
Class	313	ELECTRIC LAMP AND DISCHARGE DEVICES	ALL	
Class	314	ELECTRIC LAMP AND DISCHARGE DEVICES: CONSUMABLE ELECTRODES	ALL	
Class	445	ELECTRIC LAMP OR SPACE DISCHARGE COMPONENT OR DEVICE MANUFACTURING	ALL	

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		Class Title	Subclass Ranges From	To
Art Unit	2881	-----	-----	-----
Class	250	RADIANT ENERGY	250	251
			281	300
			302	307
			309	326
			396 R	455.11
			489	526
			FOR 000	
Class	850	SCANNING-PROBE TECHNIQUES OR APPARATUS; APPLICATIONS OF SCANNING-PROBE TECHNIQUES, E.G., SCANNING PROBE MICROSCOPY [SPM]	ALL	
Art Unit	2882			
Class	353	OPTICS: IMAGE PROJECTORS	ALL	
Class	355	PHOTOCOPYING	ALL	
Art Unit	2883			
Class	385	OPTICAL WAVEGUIDES	ALL	
Art Unit	2884			
Class	250	RADIANT ENERGY	252.1	271
			301	
			308	
			328	395
			458.1	488.1
			580	591
			909	910
Class	378	X-RAY OR GAMMA RAY SYSTEMS OR DEVICES	ALL	

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				Subclass Ranges	
Class Title				From	To
-----				-----	-----
Art Unit	2891				

Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	E21.019	E21.021	
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	FOR 145	FOR 146	
Class	977	NANOTECHNOLOGY	ALL		
Art Unit	2892				

Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	E21.022	E21.024	
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	FOR 147	FOR 149	
Art Unit	2893				

Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	E21.025	E21.027	
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	FOR 151	FOR 153	
Art Unit	2894				

Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	E21.028	E21.03	
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	FOR 154	FOR 156	
Art Unit	2895				

Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	E21.031	E21.033	
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	FOR 157	FOR 158	

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			Subclass Ranges	
			From	To
Class Title				
-----			-----	-----
Art Unit	2911			

Class	D 1	EDIBLE PRODUCTS	ALL	
Class	D 4	BRUSHWARE	ALL	
Class	D 6	FURNISHINGS	354	
			512	574
Class	D 8	TOOLS AND HARDWARE	2	13
			330	349
			354	355
			358	359
			363	367
			370	381
			DIG 1	DIG 10
Class	D10	MEASURING, TESTING, OR SIGNALLING INSTRUMENTS	104.1	121
Class	D12	TRANSPORTATION	16.1	
			163	166
			168	170
			173	180
			182	
			184	186
			196	
			214	216
			218	
			221	
			223	345
			402	
			407	411
			420	
			82	133
Class	D13	EQUIPMENT FOR PRODUCTION, DISTRIBUTION, OR TRANSFORMATION OF ENERGY	135	139.8
			154	157
			162.1	
Class	D14	RECORDING, COMMUNICATION, OR INFORMATION RETRIEVAL EQUIPMENT	138 C	138.0A D
			260.1	
			300	411
			417	
			420	461
			480.1	480.7
			484.1	496
			900	902
Class	D18	PRINTING AND OFFICE MACHINERY	34.1	34.9
			35.1	
Class	D20	SALES AND ADVERTISING EQUIPMENT	10	99
Class	D23	ENVIRONMENTAL HEATING AND COOLING; FLUID HANDLING AND SANITARY EQUIPMENT	200	211
			212	232

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			Subclass Ranges	
			From	To
Class Title				
-----			-----	-----
Art Unit	2912			

Class	D 2	APPAREL AND HABERDASHERY	500	643
			865	895
			971	999
Class	D 3	TRAVEL GOODS AND PERSONAL BELONGINGS	201	202
			204	
			216	217
			269	270
			272	302
			318	329
Class	D 6	FURNISHINGS	315	328
Class	D 7	EQUIPMENT FOR PREPARING OR SERVING FOOD OR DRINK NOT ELSEWHERE SPECIFIED	401.1	
			502	
			504	
			508	
			589	641
			665	697
			700	710
Class	D 8	TOOLS AND HARDWARE	14	
			300	302
			305	322
			31	32
			350	353
			382	396
			44	50
			75	101
Class	D 9	PACKAGES AND CONTAINERS FOR GOODS	414	429
			500	575
			749	907
Class	D10	MEASURING, TESTING, OR SIGNALLING INSTRUMENTS	46.1	46.3
Class	D11	JEWELRY, SYMBOLIC INSIGNIA, AND ORNAMENTS	117	142
			157	164
			184	
Class	D14	RECORDING, COMMUNICATION, OR INFORMATION RETRIEVAL EQUIPMENT	125	129
			131	135
			160	216
			219	229
			238.1	239
			412	416
			418	419
			462	480
			481	484
			497	511
Class	D15	MACHINES NOT ELSEWHERE SPECIFIED	1	5
			10	91

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			Subclass Ranges	
			From	To
Class Title				
-----			-----	-----
Art Unit	2913			

Class	D 3	TRAVEL GOODS AND PERSONAL BELONGINGS	304	314
Class	D 6	FURNISHINGS	300	314
			329	339
			345	348
			360	407
			595	611
			626	719.4
Class	D 7	EQUIPMENT FOR PREPARING OR SERVING FOOD OR DRINK NOT ELSEWHERE SPECIFIED	325	330
			352	361
			376	386
			390	395
			401.2	
			409	415
			501	
			538	545
			548	557
			570	
			584	588
			642	664
			698	699
			900	901
Class	D 8	TOOLS AND HARDWARE	1	
			107	
			14.1	16
			18	20
			29.1	30
			303	
			33	43
			51	74
Class	D 9	PACKAGES AND CONTAINERS FOR GOODS	434	499
Class	D10	MEASURING, TESTING, OR SIGNALLING INSTRUMENTS	1	46
			122	132
			47	103
Class	D12	TRANSPORTATION	1	16
			17	52
			204	213
			406	
			412	419
			421	901
Class	D13	EQUIPMENT FOR PRODUCTION, DISTRIBUTION, OR TRANSFORMATION OF ENERGY	100	102
			110	118
			122	124
			158	162
			163	199

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			Subclass Ranges	
			From	To
Class Title				
Art Unit	2914			

Class	D 2	APPAREL AND HABERDASHERY	700	864
			896	970
Class	D 3	TRAVEL GOODS AND PERSONAL BELONGINGS	1	200
			203.1	203.8
			205	215
			218	268
			271.1	271.9
			303	
			315	317
			900	905
Class	D 6	FURNISHINGS	344	
			355	359
Class	D 7	EQUIPMENT FOR PREPARING OR SERVING FOOD OR DRINK NOT ELSEWHERE SPECIFIED	323	324
			331	351
			362	375
			402	408
Class	D 9	PACKAGES AND CONTAINERS FOR GOODS	600	748
Class	D11	JEWELRY, SYMBOLIC INSIGNIA, AND ORNAMENTS	1	116
			200	241
Class	D12	TRANSPORTATION	159	162
			167	
			171	172
			181	
			183	
			187	195
			197	203
			217	
			219	220
			222	
			400	401
			403	405
Class	D15	MACHINES NOT ELSEWHERE SPECIFIED	6	9.3
Class	D18	PRINTING AND OFFICE MACHINERY	14	33
			35	
			51	53
			57	99
Class	D22	ARMS, PYROTECHNICS, HUNTING AND FISHING EQUIPMENT	ALL	
Class	D23	ENVIRONMENTAL HEATING AND COOLING; FLUID HANDLING AND SANITARY EQUIPMENT	238	243
			249	258
			270	313
Class	D24	MEDICAL AND LABORATORY EQUIPMENT	100	209
			211	234
Class	D25	BUILDING UNITS AND CONSTRUCTION ELEMENTS	1	101
			119	199

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			Subclass Ranges	
			From	To
Class Title				
-----			-----	-----
Art Unit	2918			

Class	D 5	TEXTILE OR PAPER YARD GOODS; SHEET MATERIAL	ALL	
Class	D 6	FURNISHINGS	340	343
			349	353
			575	594
			612	625
Class	D 7	EQUIPMENT FOR PREPARING OR SERVING FOOD OR DRINK NOT ELSEWHERE SPECIFIED	213	322
			387	389
			396	401
			416	500
			503	
			505	507
			509	537
			546	547
			558	569
			571	583
Class	D 8	TOOLS AND HARDWARE	102	106
			17	
			21	29
			323	329
			356	357
			360	360.1
			368	369
			397	499
Class	D 9	PACKAGES AND CONTAINERS FOR GOODS	430	433
Class	D11	JEWELRY, SYMBOLIC INSIGNIA, AND ORNAMENTS	143	156
			165	183
Class	D13	EQUIPMENT FOR PRODUCTION, DISTRIBUTION, OR TRANSFORMATION OF ENERGY	103	109
			119	121
			125	134
			144	153
Class	D14	RECORDING, COMMUNICATION, OR INFORMATION RETRIEVAL EQUIPMENT	251	256
Class	D15	MACHINES NOT ELSEWHERE SPECIFIED	122	199
Class	D16	PHOTOGRAPHY AND OPTICAL EQUIPMENT	100	101
			237	342
Class	D18	PRINTING AND OFFICE MACHINERY	50	
			54	56
Class	D23	ENVIRONMENTAL HEATING AND COOLING; FLUID HANDLING AND SANITARY EQUIPMENT	370	385
			403	422
Class	D25	BUILDING UNITS AND CONSTRUCTION ELEMENTS	102	111
Class	D27	TOBACCO AND SMOKERS' SUPPLIES	ALL	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3611			
Class	180	MOTOR VEHICLES	116 182 218 233 36 400 6.2	164 207.3 231 267 40 908 19.3
Class	280	LAND VEHICLES	1 200 28.5 3 7 827 900 FOR 100	1.5 515 29 5.32 839 DIG 14 FOR 197
Art Unit	3612			
Class	293	VEHICLE FENDERS	ALL	
Class	296	LAND VEHICLES: BODIES AND TOPS	ALL	
Class	298	LAND VEHICLES: DUMPING	ALL	
Class	410	FREIGHT ACCOMMODATION ON FREIGHT CARRIER	ALL	
Art Unit	3616			
Class	74	MACHINE ELEMENT OR MECHANISM	11 388.0P S 492	15.88 500
Class	180	MOTOR VEHICLES	20 208 232 268 311 41 76 FOR 000	24.13 217 290 385 53.8 90.6
Class	280	LAND VEHICLES	5.5 676 771 80.1 87.1	6.16 761 808 86.758 149.2

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3617	-----	-----	-----
Class	104	RAILWAYS	ALL	
Class	105	RAILWAY ROLLING STOCK	ALL	
Class	114	SHIPS	1	19
			242	382
			26	234
Class	152	RESILIENT TIRES AND WHEELS	1	112
			170	191
			213 A	299
			323	329
			375	431
			DIG 13	
			DIG 17	
			DIG 20	FOR 000
			DIG 7	DIG 11
Class	191	ELECTRICITY: TRANSMISSION TO VEHICLES	ALL	
Class	213	RAILWAY DRAFT APPLIANCES	ALL	
Class	238	RAILWAYS: SURFACE TRACK	ALL	
Class	246	RAILWAY SWITCHES AND SIGNALS	ALL	
Class	258	RAILWAY MAIL DELIVERY	ALL	
Class	278	LAND VEHICLES: ANIMAL DRAFT APPLIANCES	ALL	
Class	291	TRACK SANDERS	ALL	
Class	295	RAILWAY WHEELS AND AXLES	ALL	
Class	301	LAND VEHICLES: WHEELS AND AXLES	ALL	
Class	305	WHEEL SUBSTITUTES FOR LAND VEHICLES	ALL	
Class	440	MARINE PROPULSION	ALL	
Class	441	BUOYS, RAFTS, AND AQUATIC DEVICES	ALL	

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		Class Title	Subclass Ranges From	To
Art Unit	3618	-----	-----	-----
Class	180	MOTOR VEHICLES	165	181
			2.1	2.2
			291	310
			54.1	69.6
Class	280	LAND VEHICLES	FOR 100	FOR 101
			151	192
			2	
			30	79.7
			600	659
			7.1	28.18
			762	770
			809	826
			841	856
Class	903	HYBRID ELECTRIC VEHICLES (HEVS)	87.01	87.051
			ALL	
Art Unit	3619			
Class	280	LAND VEHICLES	FOR 000	
Art Unit	3622			
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	14.1 FOR 107	14.73
Art Unit	3623			
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	7.11 FOR 110	7.42 FOR 114
Art Unit	3625			
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	26.1 FOR 108	27.2 FOR 109

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		Class Title	Subclass Ranges From	To
Art Unit	3626	-----	-----	-----
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	2	3
Art Unit	3627	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	15 28 32	25 30 34
Art Unit	3628	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	13 330 400 5	341 418 6
Art Unit	3629	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	319 500	328
Art Unit	3631	-----		
Class	211	SUPPORTS: RACKS	ALL	
Class	249	STATIC MOLDS	1 188 207	51 196 219.2
Art Unit	3632	-----		
Class	248	SUPPORTS	ALL	
Art Unit	3633	-----		
Class	52	STATIC STRUCTURES (E.G., BUILDINGS)	ALL	

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			Subclass Ranges	
Class Title			From	To
Art Unit	3634			

Class	49	MOVABLE OR REMOVABLE CLOSURES	ALL	
Class	160	FLEXIBLE OR PORTABLE CLOSURE, PARTITION, OR PANEL	ALL	
Class	182	FIRE ESCAPE, LADDER, OR SCAFFOLD	ALL	
Art Unit	3636			

Class	135	TENT, CANOPY, UMBRELLA, OR CANE	ALL	
Class	297	CHAIRS AND SEATS	ALL	
Art Unit	3637			

Class	108	HORIZONTALLY SUPPORTED PLANAR SURFACES	ALL	
Class	281	BOOKS, STRIPS, AND LEAVES	FOR 000	
Class	312	SUPPORTS: CABINET STRUCTURE	ALL	
Class	402	BINDER DEVICE RELEASABLY ENGAGING APERTURE OR NOTCH OF SHEET	FOR 000	
Class	412	BOOKBINDING: PROCESS AND APPARATUS	FOR 000	
Class	462	BOOKS, STRIPS, AND LEAVES FOR MANIFOLDING	3	
Art Unit	3638			

Class	40	CARD, PICTURE, OR SIGN EXHIBITING	ALL	
Class	281	BOOKS, STRIPS, AND LEAVES	2	DIG 1
Class	283	PRINTED MATTER	ALL	
Class	402	BINDER DEVICE RELEASABLY ENGAGING APERTURE OR NOTCH OF SHEET	1	503
Class	412	BOOKBINDING: PROCESS AND APPARATUS	1	902
Class	462	BOOKS, STRIPS, AND LEAVES FOR MANIFOLDING	1 4	2 FOR 000

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3641	-----	-----	-----
Class	42	FIREARMS	ALL	
Class	86	AMMUNITION AND EXPLOSIVE-CHARGE MAKING	ALL	
Class	89	ORDNANCE	ALL	
Class	102	AMMUNITION AND EXPLOSIVES	ALL	
Class	114	SHIPS	20.1 238 FOR 000	25 241
Class	124	MECHANICAL GUNS AND PROJECTORS	2 54	3 77
Class	244	AERONAUTICS AND ASTRONAUTICS	3.13	
Class	976	NUCLEAR TECHNOLOGY	FOR 000	
Art Unit	3643	-----		
Class	43	FISHING, TRAPPING, AND VERMIN DESTROYING	ALL	
Class	47	PLANT HUSBANDRY	ALL	
Class	54	HARNESS FOR WORKING ANIMAL	ALL	
Class	119	ANIMAL HUSBANDRY	ALL	
Class	168	FARRIERY	ALL	
Class	231	WHIPS AND WHIP APPARATUS	ALL	
Class	449	BEE CULTURE	ALL	
Class	452	BUTCHERING	ALL	
Art Unit	3644	-----		
Class	244	AERONAUTICS AND ASTRONAUTICS	1 A 3.23	3 FOR 114

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3645			

Class	356	OPTICS: MEASURING AND TESTING	139.01	139.1
			141.1	141.5
			152.1	152.3
			28	29
			3.01	4.08
			5.01	5.15
			901	FOR 000
Class	359	OPTICAL: SYSTEMS AND ELEMENTS	333	349
Class	367	COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES	1	80
			86	92
			900	FOR 000
			95	191
Art Unit	3646			

Class	244	AERONAUTICS AND ASTRONAUTICS	3.1	3.12
			3.14	3.22
Class	342	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES (E.G., RADAR, RADIO NAVIGATION)	ALL	
Class	376	INDUCED NUCLEAR REACTIONS: PROCESSES, SYSTEMS, AND ELEMENTS	ALL	
Class	976	NUCLEAR TECHNOLOGY	DIG 1	DIG 445
Art Unit	3651			

Class	193	CONVEYORS, CHUTES, SKIDS, GUIDES, AND WAYS	ALL	
Class	198	CONVEYORS: POWER-DRIVEN	ALL	
Class	221	ARTICLE DISPENSING	1	DIG 1
Class	406	CONVEYORS: FLUID CURRENT	ALL	
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	213	244

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			Subclass Ranges	
Class Title			From	To
Art Unit	3652			

Class	294	HANDLING: HAND AND HOIST-LINE IMPLEMENTS	ALL	
Class	414	MATERIAL OR ARTICLE HANDLING	ALL	
Class	901	ROBOTS	ALL	
Art Unit	3653			

Class	221	ARTICLE DISPENSING	FOR 000	
Art Unit	3654			

Class	184	LUBRICATION	ALL	
Class	187	ELEVATOR, INDUSTRIAL LIFT TRUCK, OR STATIONARY LIFT FOR VEHICLE	200 249 300 318 400 FOR 000	246 276 315 379 900
Class	212	TRAVERSING HOISTS	ALL	
Class	226	ADVANCING MATERIAL OF INDETERMINATE LENGTH	ALL	
Class	242	WINDING, TENSIONING, OR GUIDING	ALL	
Class	254	IMPLEMENTS OR APPARATUS FOR APPLYING PUSHING OR PULLING FORCE	199 900 DIG 11	417 903 DIG 15
Class	474	ENDLESS BELT POWER TRANSMISSION SYSTEMS OR COMPONENTS	ALL	

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		Class Title	Subclass Ranges From	To
Art Unit	3655	-----	-----	-----
Class	186	MERCHANDISING	ALL	
Class	192	192 CLUTCHES AND POWER-STOP CONTROL	93 C	
Class	194	CHECK-ACTUATED CONTROL MECHANISMS	ALL	
Class	209	CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS	1 127.1	44.4 FOR 000
Class	453	COIN HANDLING	ALL	
Art Unit	3656	-----		
Class	74	MACHINE ELEMENT OR MECHANISM	500.5 813 C	617 827
Class	185	MOTORS: SPRING, WEIGHT, OR ANIMAL POWERED	ALL	
Class	271	SHEET FEEDING OR DELIVERING	ALL	
Class	384	BEARINGS	ALL	
Art Unit	3657	-----		
Class	188	BRAKES	ALL	
Class	267	SPRING DEVICES	ALL	
Class	303	FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS	ALL	
Art Unit	3658	-----		
Class	74	MACHINE ELEMENT OR MECHANISM	1 R 16 390 625 828	10.9 388 R 491 810.2 FOR 106
Class	476	FRICTION GEAR TRANSMISSION SYSTEMS OR COMPONENTS	ALL	

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		Class Title	Subclass Ranges From	To
Art Unit	3659			
Class	192	192 CLUTCHES AND POWER-STOP CONTROL	3.21 93 R	93 B FOR 143
Class	209	CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS	45	70
Class	270	SHEET-MATERIAL ASSOCIATING	ALL	
Class	475	PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS	ALL	
Class	477	INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL	ALL	
Class	701	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION	51	69
Art Unit	3661			
Class	701	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION	1 116 70	50 FOR 133 100
Art Unit	3663			
Class	359	OPTICAL: SYSTEMS AND ELEMENTS	FOR 000	
Art Unit	3664			
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	245 900	264

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3671	-----	-----	-----
Class	14	BRIDGES	ALL	
Class	37	EXCAVATING	ALL	
Class	56	HARVESTERS	ALL	
Class	111	PLANTING	ALL	
Class	171	UNEARTHING PLANTS OR BURIED OBJECTS	ALL	
Class	172	EARTH WORKING	ALL	
Class	404	ROAD STRUCTURE, PROCESS, OR APPARATUS	ALL	
Class	460	CROP THRESHING OR SEPARATING	ALL	
Art Unit	3672	-----		
Class	166	WELLS	177.6 369 50 72 98	244.1 FOR 101 70 74 177.3
Class	299	MINING OR IN SITU DISINTEGRATION OF HARD MATERIAL	ALL	
Class	405	HYDRAULIC AND EARTH ENGINEERING	FOR 000	
Class	588	HAZARDOUS OR TOXIC WASTE DESTRUCTION OR CONTAINMENT	249	260
Art Unit	3673	-----		
Class	5	BEDS	ALL	
Class	70	LOCKS	66	
Class	249	STATIC MOLDS	FOR 000	
Art Unit	3674	-----		
Class	166	WELLS	245 250.12	249

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			Subclass Ranges	
			From	To
Class Title				
Art Unit	3675			

Class	70	LOCKS	1	65
			67	FOR 000
Class	109	SAFES, BANK PROTECTION, OR A RELATED DEVICE	ALL	
Class	277	SEAL FOR A JOINT OR JUNCTURE	ALL	
Class	292	CLOSURE FASTENERS	ALL	
Art Unit	3676			

Class	166	WELLS	250.01	250.11
			250.13	255.3
			264	267
			270	
			277	278
			297	299
			301	303
			311	313
			71	
Art Unit	3677			

Class	16	MISCELLANEOUS HARDWARE (E.G., BUSHING, CARPET FASTENER, CASTER, DOOR CLOSER, PANEL HANGER, ATTACHABLE OR ADJUNCT HANDLE, HINGE, WINDOW SASH BALANCE, ETC.)	ALL	
Class	24	BUCKLES, BUTTONS, CLASPS, ETC.	ALL	
Class	27	UNDERTAKING	1	20
			26	FOR 000
Class	63	JEWELRY	ALL	
Class	232	DEPOSIT AND COLLECTION RECEPTACLES	ALL	
Class	411	EXPANDED, THREADED, DRIVEN, HEADED, TOOL-DEFORMED, OR LOCKED-THREADED FASTENER	ALL	
Art Unit	3678			

Class	405	HYDRAULIC AND EARTH ENGINEERING	1	303

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3679	-----	-----	-----
Class	166	WELLS	177.4	177.5
			305.1	308.1
			316	368
			75.11	97.5
Class	175	BORING OR PENETRATING THE EARTH	ALL	
Class	256	FENCES	ALL	
Class	285	PIPE JOINTS OR COUPLINGS	ALL	
Class	403	JOINTS AND CONNECTIONS	ALL	
Class	464	ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND FLEXIBLE COUPLINGS FOR ROTARY SHAFTS	ALL	
Art Unit	3685	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	12	
			50	79
			901	FOR 106
			FOR 124	
Art Unit	3689	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	1.1	
			329	
			342	348
			80	318
Art Unit	3693	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	31	
			35	45
			4	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3711	-----	-----	-----
Class	124	MECHANICAL GUNS AND PROJECTORS	1	
			4	53.5
			78	FOR 000
Class	273	AMUSEMENT DEVICES: GAMES	ALL	
Class	446	AMUSEMENT DEVICES: TOYS	1	901
Class	472	AMUSEMENT DEVICES	ALL	
Class	473	GAMES USING TANGIBLE PROJECTILE	ALL	
Art Unit	3714	-----		
Class	446	AMUSEMENT DEVICES: TOYS	FOR 000	
Class	463	AMUSEMENT DEVICES: GAMES	47.1	47.7
			58	FOR 000
Art Unit	3715	-----		
Class	434	EDUCATION AND DEMONSTRATION	ALL	
Class	463	AMUSEMENT DEVICES: GAMES	1	47
			48	57
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	91	93

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3722	-----	-----	-----
Class	29	METAL WORKING	26 A 560 650	65 566.4
Class	82	TURNING	ALL	
Class	279	CHUCKS OR SOCKETS	ALL	
Class	407	CUTTERS, FOR SHAPING	ALL	
Class	408	CUTTING BY USE OF ROTATING AXIALLY MOVING TOOL	ALL	
Class	409	GEAR CUTTING, MILLING, OR PLANING	ALL	
Class	483	TOOL CHANGING	ALL	
Art Unit	3723	-----		
Class	7	COMPOUND TOOLS	ALL	
Class	15	BRUSHING, SCRUBBING, AND GENERAL CLEANING	ALL	
Class	29	METAL WORKING	213.1 243.53	243.517 283.5
Class	81	TOOLS	ALL	
Class	125	STONE WORKING	ALL	
Class	157	WHEELWRIGHT MACHINES	ALL	
Class	254	IMPLEMENTS OR APPARATUS FOR APPLYING PUSHING OR PULLING FORCE	1 418 DIG 1 DIG 16	134.7 427 DIG 10 FOR 000
Class	269	WORK HOLDERS	ALL	
Class	300	BRUSH, BROOM, AND MOP MAKING	ALL	
Class	451	ABRADING	ALL	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3724	-----	-----	-----
Class	30	CUTLERY	ALL	
Class	76	METAL TOOLS AND IMPLEMENTS, MAKING	ALL	
Class	83	CUTTING	ALL	
Class	142	WOOD TURNING	ALL	
Class	225	SEVERING BY TEARING OR BREAKING	ALL	
Class	234	SELECTIVE CUTTING (E.G., PUNCHING)	ALL	
Art Unit	3725	-----		
Class	29	METAL WORKING	243.518	243.529
Class	59	CHAIN, STAPLE, AND HORSESHOE MAKING	ALL	
Class	72	METAL DEFORMING	ALL	
Class	79	BUTTON MAKING	ALL	
Class	100	PRESSES	ALL	
Class	140	WIREWORKING	ALL	
Class	144	WOODWORKING	ALL	
Class	147	COOPERING	ALL	
Class	163	NEEDLE AND PIN MAKING	ALL	
Class	241	SOLID MATERIAL COMMUNION OR DISINTEGRATION	ALL	
Class	413	SHEET METAL CONTAINER MAKING	ALL	
Class	470	THREADED, HEADED FASTENER, OR WASHER MAKING: PROCESS AND APPARATUS	ALL	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3726	-----		

Class	29	METAL WORKING	2.1	25
			284	559
			592	
			700	728
			76.1	91.8
			765	824
			888	890.09
Class	492	ROLL OR ROLLER	890.11	DIG 105
			ALL	
Art Unit	3727	-----		

Class	220	RECEPTACLES	FOR 131	FOR 207
Art Unit	3728	-----		

Class	206	SPECIAL RECEPTACLE OR PACKAGE	481	
Art Unit	3729	-----		

Class	29	METAL WORKING	25.35	25.42
			592.1	623
			729	
			732	764
			825	887
			890.1	
Class	206	SPECIAL RECEPTACLE OR PACKAGE	FOR 000	
			FOR 000	
Art Unit	3731	-----		

Class	53	PACKAGE MAKING	ALL	
Class	173	TOOL DRIVING OR IMPACTING	ALL	
Class	227	ELONGATED-MEMBER-DRIVING APPARATUS	ALL	
Class	493	MANUFACTURING CONTAINER OR TUBE FROM PAPER; OR OTHER MANUFACTURING FROM A	ALL	

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		Class Title	Subclass Ranges From	To
Art Unit	3732	-----	-----	-----
Class	139	TEXTILES: WEAVING	81	
Art Unit	3735	-----		
Class	351	OPTICS: EYE EXAMINING, VISION TESTING	FOR 000	
Class	600	AND CORRECTING SURGERY	531	
Art Unit	3736	-----		
Class	206	SPECIAL RECEPTACLE OR PACKAGE	.5 14 300 315.9 482 521 521.2	6.1 277 315.11 480 500 521.1 833
Art Unit	3737	-----		
Class	128	SURGERY	915 920	916 925
Art Unit	3738	-----		
Class	623	PROSTHESIS (I.E., ARTIFICIAL BODY MEMBERS), PARTS THEREOF, OR AIDS AND ACCESSORIES THEREFOR	6.13	
Art Unit	3741	-----		
Class	60	POWER PLANTS	39.01 722 FOR 100	269 917 FOR 118
Class	137	FLUID HANDLING	15.1 15.2	
Class	239	FLUID SPRINKLING, SPRAYING, AND DIFFUSING	127.1 265.11	127.3 265.43

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3742	-----	-----	-----
	Class 219	ELECTRIC HEATING	FOR 000	
Art Unit	3743	-----		
	Class 110	FURNACES	FOR 000	
Art Unit	3744	-----		
	Class 165	HEAT EXCHANGE	66	
	Class 236	AUTOMATIC TEMPERATURE AND HUMIDITY REGULATION	DIG 209	
			35.2	
Art Unit	3745	-----		
	Class 60	POWER PLANTS	325	494
			532	594
	Class 91	MOTORS: EXPANSIBLE CHAMBER TYPE	1	471
			508	DIG 4
	Class 92	EXPANSIBLE CHAMBER DEVICES	ALL	
	Class 415	ROTARY KINETIC FLUID MOTORS OR PUMPS	ALL	
	Class 416	FLUID REACTION SURFACES (I.E., IMPELLERS)	ALL	
Art Unit	3746	-----		
	Class 91	MOTORS: EXPANSIBLE CHAMBER TYPE	472	507
			FOR 000	
	Class 417	PUMPS	ALL	
	Class 418	ROTARY EXPANSIBLE CHAMBER DEVICES	55.2	

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3747	-----		
Class	123	INTERNAL-COMBUSTION ENGINES	1 A	3
			142.5 E	198.0D C
			19	42
			250	558
			46 A	89
			567	DIG 13
Class	701	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION	FOR 100	FOR 128
			101	115
Art Unit	3748	-----		
Class	60	POWER PLANTS	272	324
			495	531
			595	721
			FOR 000	
Class	123	INTERNAL-COMBUSTION ENGINES	18 A	18 R
			200	249
			43 A	45 R
			559.1	566
			90.1	90.67
			FOR 000	
Class	418	ROTARY EXPANSIBLE CHAMBER DEVICES	1	55.1
			55.3	FOR 000
Art Unit	3749	-----		
Class	122	LIQUID HEATERS AND VAPORIZERS	FOR 000	FOR 107
Class	126	STOVES AND FURNACES	348	
			FOR 000	FOR 139
Class	237	HEATING SYSTEMS	FOR 000	
Class	431	COMBUSTION	FOR 000	
Class	432	HEATING	FOR 000	
Class	454	VENTILATION	150	
			FOR 000	

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		Class Title	Subclass Ranges From	To
Art Unit	3751	-----	-----	-----
Class	4	BATHS, CLOSETS, SINKS, AND SPITTOONS	FOR 000	
Class	401	COATING IMPLEMENTS WITH MATERIAL SUPPLY	FOR 000	
Art Unit	3752	-----		
Class	169	FIRE EXTINGUISHERS	ALL	
Class	239	FLUID SPRINKLING, SPRAYING, AND DIFFUSING	1 128 266	127 265 FOR 000
Art Unit	3753	-----		
Class	137	FLUID HANDLING	1 15.11 15.21	15.09 15.19 FOR 000
Class	138	PIPES AND TUBULAR CONDUITS	ALL	
Class	141	FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER COACTING MEANS	ALL	
Class	251	VALVES AND VALVE ACTUATION	ALL	
Art Unit	3754	-----		
Class	4	BATHS, CLOSETS, SINKS, AND SPITTOONS	111.1	DIG 19
Class	222	DISPENSING	1 608 630	589 628 FOR 000
Class	401	COATING IMPLEMENTS WITH MATERIAL SUPPLY	1	DIG 3

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			Subclass Ranges	
Class Title			From	To
Art Unit	3761	-----	-----	-----
Class	99	FOODS AND BEVERAGES: APPARATUS	ALL	
Class	219	ELECTRIC HEATING	50	780
Class	373	INDUSTRIAL ELECTRIC HEATING FURNACES	ALL	
Class	392	ELECTRIC RESISTANCE HEATING DEVICES	ALL	
Class	604	SURGERY	410	
Art Unit	3762	-----		
Class	34	DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS	ALL	
Class	110	FURNACES	101 A	349
Class	122	LIQUID HEATERS AND VAPORIZERS	1 A	DIG 16
Class	126	STOVES AND FURNACES	1 A	347
Class	237	HEATING SYSTEMS	349	910
Class	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	1 R	DIG 1
Class	431	COMBUSTION	FOR 000	
Class	432	HEATING	1	365
Class	454	VENTILATION	1	500
			151	149
				909
Art Unit	3763	-----		
Class	62	REFRIGERATION	ALL	
Class	165	HEAT EXCHANGE	4	65
			67	DIG 208
			DIG 210	FOR 131
Class	236	AUTOMATIC TEMPERATURE AND HUMIDITY REGULATION	1 A	35
			35.3	FOR 000

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		Class Title	Subclass Ranges	
			From	To
Art Unit	3765	-----	-----	-----

Class	2	APPAREL	ALL	
Class	12	BOOT AND SHOE MAKING	ALL	
Class	19	TEXTILES: FIBER PREPARATION	ALL	
Class	26	TEXTILES: CLOTH FINISHING	ALL	
Class	28	TEXTILES: MANUFACTURING	ALL	
Class	36	BOOTS, SHOES, AND LEGGINGS	ALL	
Class	38	TEXTILES: IRONING OR SMOOTHING	ALL	
Class	57	TEXTILES: SPINNING, TWISTING, AND TWINING	ALL	
Class	66	TEXTILES: KNITTING	ALL	
Class	69	LEATHER MANUFACTURES	ALL	
Class	87	TEXTILES: BRAIDING, NETTING, AND LACE MAKING	ALL	
Class	112	SEWING	ALL	
Class	139	TEXTILES: WEAVING	1 A 82	80 FOR 000
Class	223	APPAREL APPARATUS	ALL	
Class	245	WIRE FABRICS AND STRUCTURE	ALL	
Class	289	KNOTS AND KNOT TYING	ALL	
Class	450	FOUNDATION GARMENTS	ALL	
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	131	144
Art Unit	3771			

Class	600	SURGERY	184	
Class	606	SURGERY	106	236
Class	623	PROSTHESIS (I.E., ARTIFICIAL BODY MEMBERS), PARTS THEREOF, OR AIDS AND ACCESSORIES THEREFOR	1.11 1.23 2.11	1.12

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		Class Title	Subclass Ranges From	To
Art Unit	3772	-----	-----	-----
Class	433	DENTISTRY	ALL	
Art Unit	3773	-----		
Class	600	SURGERY	185	249
Class	606	SURGERY	103 246 53 86 A 900 914 FOR 100 17.11	279 68 901 FOR 103 17.16
Class	623	PROSTHESIS (I.E., ARTIFICIAL BODY MEMBERS), PARTS THEREOF, OR AIDS AND ACCESSORIES THEREFOR		
Art Unit	3774	-----		
Class	128	SURGERY	898	
Class	623	PROSTHESIS (I.E., ARTIFICIAL BODY MEMBERS), PARTS THEREOF, OR AIDS AND ACCESSORIES THEREFOR	1.1 1.13 1.24 17.17 2.12 23.73 23.75 6.14	1.22 2.1 23.71 6.11 FOR 119 16.11
Art Unit	3775	-----		
Class	606	SURGERY	104 280 70 86 B 902 915	105.5 331 85 102 913 916

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		Class Title	Subclass Ranges From	To
Art Unit	3776	-----	-----	-----
Class	132	TOILET	ALL	
Art Unit	3781	-----		
Class	27	UNDERTAKING	21.1	25.1
Class	150	PURSES, WALLETS, AND PROTECTIVE COVERS	ALL	
Class	190	TRUNKS AND HAND-CARRIED LUGGAGE	ALL	
Class	206	SPECIAL RECEPTACLE OR PACKAGE	278 315.2 501 521.15	299 315.8 520
Class	215	BOTTLES AND JARS	8 ALL	11
Class	217	WOODEN RECEPTACLES	ALL	
Class	220	RECEPTACLES	1.5	FOR 130
Class	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	44	48
Class	604	SURGERY	1 289 411 540 904 921 FOR 100	18 409 416 544
Art Unit	3782	-----		
Class	224	PACKAGE AND ARTICLE CARRIERS	ALL	
Class	229	ENVELOPES, WRAPPERS, AND PAPERBOARD BOXES	ALL	
Class	383	FLEXIBLE BAGS	ALL	

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		Class Title	Subclass Ranges From	To
Art Unit	3783	-----	-----	-----
Class	604	SURGERY	19 500 890.1 905 FOR 000	288.04 539 903 920
Art Unit	3784	-----		
Class	482	EXERCISE DEVICES	ALL	
Art Unit	3785	-----		
Class	128	SURGERY	200.11	207.29
Class	601	SURGERY: KINESITHERAPY	1 5	FOR 000
Class	606	SURGERY	237	245
Art Unit	3786	-----		
Class	128	SURGERY	830 900 917 95.1 DIG 1 ALL	894 914 919 126.1 FOR 000
Class	602	SURGERY: SPLINT, BRACE, OR BANDAGE		
Art Unit	3791	-----		
Class	128	SURGERY	897 899	
Class	600	SURGERY	1 19 302 398 481 529 532	15 41 371 406 507 530 595

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		Class Title	Subclass Ranges From	To
Art Unit	3792	-----	-----	-----
Class	600	SURGERY	16 300 508	18 301 528
Class	606	SURGERY	1	19
Class	607	SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION	1 115 FOR 000	95 156
Art Unit	3793	-----		
Class	600	SURGERY	407	480
Class	601	SURGERY: KINESITHERAPY	2	4
Art Unit	3794	-----		
Class	600	SURGERY	372 920	397 FOR 000
Class	606	SURGERY	20 FOR 000	52
Class	607	SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION	900 96	902 114
Art Unit	3795	-----		
Class	600	SURGERY	101	183

