

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	1611	-----	-----	-----
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	401	
Art Unit	1614	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	49	58
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	649	
			1	
			63	772
			773	788
			789	DIG 1
			FOR 100	FOR 108
Art Unit	1615	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	400	
			402	449
			451	483
			48	
			485	502
			61	64
			69	78.38
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	772.1	772.7
			788.1	
Art Unit	1616	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	114	126
			40	47
			59	60
			600	648
			65	68
			650	724
			84	
			900	DIG 16
Class	504	PLANT PROTECTING AND REGULATING COMPOSITIONS	ALL	
Class	552	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	

Generated by: Data Control Division

		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	1621			
Class	260	CHEMISTRY OF CARBON COMPOUNDS	1	665 R
Class	518	CHEMISTRY: FISCHER-TROPSCH PROCESSES; OR PURIFICATION OR RECOVERY OF PRODUCTS THEREOF	ALL	
Class	532	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	534	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	FOR 000	
Class	554	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	556	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	560	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	562	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	1 553	529 FOR 000
Class	564	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	568	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	570	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	ALL	
Art Unit	1623			
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	23 45	43 62
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	1.11 25.1	22.1 128

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	1624			
Class	540	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	544	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Art Unit	1625			
Class	546	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Class	548	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	255	269.4
Class	549	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	1	563
Class	562	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	530	552
Art Unit	1626			
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	100 300.1	254 FOR 000
Class	549	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	FOR 000	
Class	558	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	ALL	
Art Unit	1632			
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	570 93.6	
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	183 189 325 69.5 69.8 91.33 92	188 234 69.52 69.9 171
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	44 R	
Class	800	MULTICELLULAR LIVING ORGANISMS AND UNMODIFIED PARTS THEREOF AND RELATED PROCESSES	3 FOR 100	25

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	1633	-----	-----	-----
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	450 484	
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	93.1 320.1 455 458 463	93.21
Art Unit	1634	-----		
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	6	
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	24.1	24.33
Art Unit	1635	-----		
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	1636	-----		
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	326 FOR 100	408 FOR 113
Art Unit	1638	-----		
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	410 FOR 114	431 FOR 122
Class	800	MULTICELLULAR LIVING ORGANISMS AND UNMODIFIED PARTS THEREOF AND RELATED PROCESSES	260 FOR 101 FOR 105	323.3 FOR 103 FOR 108
Art Unit	1639	-----		
Class	506	COMBINATORIAL CHEMISTRY TECHNOLOGY: METHOD, LIBRARY, APPARATUS	1 41	32 43

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	1641			

Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	130.1	137.1
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	139.1	
			4	
			40.5	40.52
			7.23	
Class	436	CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING	960	975
			500	504
Class	930	PEPTIDE OR PROTEIN SEQUENCE	512	829
			FOR 000	
Art Unit	1642			

Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	138.1	
			147.1	149.1
			159.1	162.1
			186.1	190.1
			196.11	
			199.1	
			204.1	229.1
			281.1	
			800	832
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	440	454
			456	457
			459	462
			464	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	333	345
			860	868
Art Unit	1643			

Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	387.3	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	1644	-----	-----	-----
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	140.1 145.1 171.1 275.1	143.1 276.1
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	7.24	
Class	436	CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING	FOR 123 505	FOR 236 510
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	351 386 387.5 389.6	387.2 389.4
Art Unit	1645	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	144.1 146.1 150.1 163.1 175.1 185.1 193.1 197.11 200.1 230.1 278.1 282.1	157.1 170.1 183.1 195.11 198.1 203.1 274.1 280.1 283.1
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	235.1 252.3 257.2 3 317.1 68.1 7.1 7.25 70.1 821	239 252.35 7.22 7.95 71.2
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	331 389.7 400 800	332 394 427 859

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	1646			
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	158.1 172.1 277.1 85.1	174.1 85.7
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	254.11	
Class	514	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	2 FOR 000	21
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	300 350 389.5 395 397	330 399
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	23.1	23.51
Class	930	PEPTIDE OR PROTEIN SEQUENCE	140 50 90	145
Art Unit	1648			
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	5	
Art Unit	1649			
Class	800	MULTICELLULAR LIVING ORGANISMS AND UNMODIFIED PARTS THEREOF AND RELATED PROCESSES	FOR 000 FOR 104	
Art Unit	1651			
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	520 571 93.3 93.7	569 583 93.51 94.67
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	1.1 173.1 242 252.4 254.2 259 41 71.3	2 182 252.2 254.1 257.1 261 67 90

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	1652	-----	-----	-----
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	188.5	
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	257.3	258.4
Class			396	
Art Unit	1653	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	FOR 000	
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	FOR 000	
Art Unit	1655	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	195.15	195.18
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	725	780
Class			40	
Art Unit	1656	-----		
Class	424	DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS	184.1	
Class	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	191.1	192.1
Class			69.1	69.4
Class	530	CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF	69.6	69.7
Class			352	385
Class	536	ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES	23.6	23.74
Class	703	DATA PROCESSING: STRUCTURAL DESIGN, MODELING, SIMULATION, AND EMULATION	11	12
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	8	39

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	1661	-----	-----	-----
Class	PLT	PLANTS	ALL	
Art Unit	1712	-----		
Class	525	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	440.01	440.16
Art Unit	1741	-----		
Class	204	CHEMISTRY: ELECTRICAL AND WAVE ENERGY	FOR 920	FOR 936
Art Unit	1746	-----		
Class	68	TEXTILES: FLUID TREATING APPARATUS	FOR 000	
Art Unit	1764	-----		
Class	208	MINERAL OILS: PROCESSES AND PRODUCTS	FOR 000	
Art Unit	1771	-----		
Class	442	FABRIC (WOVEN, KNITTED, OR NONWOVEN TEXTILE OR CLOTH, ETC.)	FOR 000	
Art Unit	1774	-----		
Class	503	RECORD RECEIVER HAVING PLURAL INTERACTIVE LEAVES OR A COLORLESS COLOR FORMER, METHOD OF USE, OR DEVELOPER THEREFOR	FOR 000	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
Art Unit			From	To
1791		-----	-----	-----
Class	65	GLASS MANUFACTURING	ALL	
Class	131	TOBACCO	ALL	
Class	152	RESILIENT TIRES AND WHEELS	151 192 300 331.1 450 DIG 12 DIG 14 DIG 18	169 212 322 373 DIG 6 DIG 16 DIG 19
Class	156	ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE	1 346 DIG 1	344 910 DIG 51
Class	162	PAPER MAKING AND FIBER LIBERATION	ALL	
Class	249	STATIC MOLDS	197 52 DIG 1	206 187.1 DIG 5
Class	264	PLASTIC AND NONMETALLIC ARTICLE SHAPING OR TREATING: PROCESSES	.5 5	4 FOR 102
Class	425	PLASTIC ARTICLE OR EARTHENWARE SHAPING OR TREATING: APPARATUS	ALL	

Generated by: Data Control Division

Art Unit	Class	Class Title	Subclass Ranges	
			From	To
1792	8	BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS	147	159
	68	TEXTILES: FLUID TREATING APPARATUS	1	903
	117	SINGLE-CRYSTAL, ORIENTED-CRYSTAL, AND EPITAXY GROWTH PROCESSES; NON-COATING APPARATUS THEREFOR	ALL	
	118	COATING APPARATUS	ALL	
	134	CLEANING AND LIQUID CONTACT WITH SOLIDS	ALL	
	156	ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE	345.1 912 FOR 000	345.55 917
	216	ETCHING A SUBSTRATE: PROCESSES	ALL	
	252	COMPOSITIONS	79.1	79.5
	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	245.1	254
	427	COATING PROCESSES	1 214	213 FOR 110
	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	689 704 9 FOR 100	698 757 FOR 134

Generated by: Data Control Division

Art Unit	Class	Class Title	Subclass Ranges	
			From	To
1793	23	CHEMISTRY: PHYSICAL PROCESSES	ALL	
	51	ABRASIVE TOOL MAKING PROCESS, MATERIAL, OR COMPOSITION	ALL	
	71	CHEMISTRY: FERTILIZERS	ALL	
	75	SPECIALIZED METALLURGICAL PROCESSES, COMPOSITIONS FOR USE THEREIN, CONSOLIDATED METAL POWDER COMPOSITIONS, AND LOOSE METAL PARTICULATE MIXTURES	ALL	
	106	COMPOSITIONS: COATING OR PLASTIC	ALL	
	127	SUGAR, STARCH, AND CARBOHYDRATES	ALL	
	148	METAL TREATMENT	22 95	30 910
	149	EXPLOSIVE AND THERMIC COMPOSITIONS OR CHARGES	ALL	
	164	METAL FOUNDING	ALL	
	222	DISPENSING	590 629	607
	228	METAL FUSION BONDING	ALL	
	252	COMPOSITIONS	301.16 372 70 8.57 950	301.6 S 378 R 62.9P Z 951
	266	METALLURGICAL APPARATUS	ALL	
	419	POWDER METALLURGY PROCESSES	ALL	
	420	ALLOYS OR METALLIC COMPOSITIONS	ALL	
	423	CHEMISTRY OF INORGANIC COMPOUNDS	ALL	
	501	COMPOSITIONS: CERAMIC	ALL	
	502	CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR: PRODUCT OR PROCESS OF MAKING	ALL	
	505	SUPERCONDUCTOR TECHNOLOGY: APPARATUS, MATERIAL, PROCESS	ALL	
	588	HAZARDOUS OR TOXIC WASTE DESTRUCTION OR CONTAINMENT	1 251 299	20 901

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	1794			

Class	426	FOOD OR EDIBLE MATERIAL: PROCESSES, COMPOSITIONS, AND PRODUCTS	ALL	
Class	428	STOCK MATERIAL OR MISCELLANEOUS ARTICLES	1.1 403	402 FOR 175
Class	442	FABRIC (WOVEN, KNITTED, OR NONWOVEN TEXTILE OR CLOTH, ETC.)	1	417
Class	503	RECORD RECEIVER HAVING PLURAL INTERACTIVE LEAVES OR A COLORLESS COLOR FORMER, METHOD OF USE, OR DEVELOPER THEREFOR	FOR 100 200	FOR 167 227
Art Unit	1795			

Class	29	METAL WORKING	2 623.1 730	623.5 731
Class	48	GAS: HEATING AND ILLUMINATING	ALL	
Class	136	BATTERIES: THERMOELECTRIC AND PHOTOELECTRIC	ALL	
Class	204	CHEMISTRY: ELECTRICAL AND WAVE ENERGY	155 FOR 937	FOR 000
Class	205	ELECTROLYSIS: PROCESSES, COMPOSITIONS USED THEREIN, AND METHODS OF PREPARING THE COMPOSITIONS	ALL	
Class	252	COMPOSITIONS	299.01	299.7
Class	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	186 903	186.3 907
Class	429	CHEMISTRY: ELECTRICAL CURRENT PRODUCING APPARATUS, PRODUCT, AND PROCESS	ALL	
Class	430	RADIATION IMAGERY CHEMISTRY: PROCESS, COMPOSITION, OR PRODUCT THEREOF	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
Art Unit			From	To
1796				
Class	8	BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS	160 94.1 D	FOR 000 142
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	260	CHEMISTRY OF CARBON COMPOUNDS	998.11	FOR 000
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	507	EARTH BORING, WELL TREATING, AND OIL FIELD CHEMISTRY	ALL	
Class	510	CLEANING COMPOSITIONS FOR SOLID SURFACES, AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF PREPARING THE COMPOSITIONS	ALL	
Class	512	PERFUME COMPOSITIONS	ALL	
Class	516	COLLOID SYSTEMS AND WETTING AGENTS; SUBCOMBINATIONS THEREOF; PROCESSES OF MAKING, STABILIZING, BREAKING, OR INHIBITING	ALL	
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	ALL	
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	ALL	
Class	524	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	ALL	
Class	525	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	441 7	FOR 000 439
Class	526	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	ALL	
Class	527	SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES	ALL	

Generated by: Data Control Division

Art Unit	Class	Class Title	Subclass Ranges	
			From	To
1797				
	44	FUEL AND RELATED COMPOSITIONS	ALL	
	55	GAS SEPARATION	ALL	
	95	GAS SEPARATION: PROCESSES	ALL	
	96	GAS SEPARATION: APPARATUS	ALL	
	159	CONCENTRATING EVAPORATORS	ALL	
	196	MINERAL OILS: APPARATUS	ALL	
	201	DISTILLATION: PROCESSES, THERMOLYTIC	ALL	
	202	DISTILLATION: APPARATUS	ALL	
	203	DISTILLATION: PROCESSES, SEPARATORY	ALL	
	208	MINERAL OILS: PROCESSES AND PRODUCTS	1	DIG 2
	209	CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS	162	170
	210	LIQUID PURIFICATION OR SEPARATION	ALL	
	252	COMPOSITIONS	408.1	
	261	GAS AND LIQUID CONTACT APPARATUS	ALL	
	366	AGITATING	ALL	
	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	1 187 255 49 908	43 244 902 185 948
	435	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY	262 805 817 819 FOR 000	309.4 814
	436	CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING	1 900	183 FOR 000
	494	IMPERFORATE BOWL: CENTRIFUGAL SEPARATORS	ALL	
	506	COMBINATORIAL CHEMISTRY TECHNOLOGY: METHOD, LIBRARY, APPARATUS	33	40

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2111	-----	-----	-----
Class	710	ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT	100	317
Art Unit	2112	-----		
Class	714	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY	746	824
Art Unit	2113	-----		
Class	714	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY	1 E11	100 E11.22
Art Unit	2115	-----		
Class	713	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT	1 300 FOR 400	100 601
Art Unit	2117	-----		
Class	714	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY	699	745
Art Unit	2121	-----		
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	1 145 265 275 95 FOR 000	90 212 306 130 FOR 106
Class	706	DATA PROCESSING: ARTIFICIAL INTELLIGENCE	900	FOR 131
Art Unit	2123	-----		
Class	703	DATA PROCESSING: STRUCTURAL DESIGN, MODELING, SIMULATION, AND EMULATION	1 13 FOR 488	10 28 FOR 806

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
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	2161	-----		
Class	707	DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES	1	E17.143
Art Unit	2173	-----		
Class	715	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT, OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING	700 FOR 176	978 FOR 208
Art Unit	2176	-----		
Class	707	DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES	FOR 000	
Class	715	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT, OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING	FOR 000 FOR 209	FOR 264
Art Unit	2178	-----		
Class	715	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT, OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING	200	277
Art Unit	2182	-----		
Class	710	ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT	1	74

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
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	2189	-----		
Class	711	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY	ALL	
Art Unit	2192	-----		
Class	717	DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT	100	178
Art Unit	2193	-----		
Class	708	ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING AND CALCULATING	ALL	
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)	ALL	
Art Unit	2195	-----		
Class	718	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: VIRTUAL MACHINE TASK OR PROCESS MANAGEMENT OR TASK MANAGEMENT/CONTROL	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2416	-----	-----	-----

Class	370	MULTIPLEX COMMUNICATIONS	FOR 197	
Art Unit	2423			

Class	725	INTERACTIVE VIDEO DISTRIBUTION SYSTEMS	ALL	
Art Unit	2431			

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	2441			

Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	200 223	
Art Unit	2442			

Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	204	207
Art Unit	2443			

Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	225 230	226 237
Art Unit	2445			

Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	224	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2446	-----	-----	-----
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	208	211
Art Unit	2447	-----		
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	251	253
Art Unit	2448	-----		
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	248	250
Art Unit	2451	-----		
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	FOR 100	FOR 156
Art Unit	2453	-----		
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	201	203
Art Unit	2454	-----		
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	245	247
Art Unit	2455	-----		
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	217 238	219 244

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2457	-----	-----	-----
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	220 227	222 229
Art Unit	2458	-----		
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	212	216
Art Unit	2465	-----		
Class	370	MULTIPLEX COMMUNICATIONS	254 351 357	271 430
Art Unit	2468	-----		
Class	370	MULTIPLEX COMMUNICATIONS	352	356
Art Unit	2472	-----		
Class	370	MULTIPLEX COMMUNICATIONS	200 272 431 FOR 100	253 309 916 FOR 196
Art Unit	2611	-----		
Class	375	PULSE OR DIGITAL COMMUNICATIONS	130 241	240 FOR 109

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2612	-----	-----	-----
Class	340	COMMUNICATIONS: ELECTRICAL	2.1	14.69
			286.01	999
Class	341	CODED DATA GENERATION OR CONVERSION	FOR 100	FOR 414
			173	192
Class	348	TELEVISION	20	35
			FOR 161	FOR 162
Class	367	COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES	FOR 184	FOR 212
			197	199
			81	85
			93	94
Art Unit	2613	-----		
Class	348	TELEVISION	FOR 000	FOR 160
Class	398	OPTICAL COMMUNICATIONS	ALL	
Art Unit	2614	-----		
Class	348	TELEVISION	14.01	14.16
			FOR 163	FOR 183
Class	379	TELEPHONIC COMMUNICATIONS	1.01	52
			67.1	FOR 197
Class	381	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES	ALL	
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	94	
Art Unit	2615	-----		
Class	386	TELEVISION SIGNAL PROCESSING FOR DYNAMIC RECORDING OR REPRODUCING	FOR 000	
Art Unit	2616	-----		
Class	370	MULTIPLEX COMMUNICATIONS	FOR 000	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2617	-----	-----	-----
Class	370	MULTIPLEX COMMUNICATIONS	310	350
Class	455	TELECOMMUNICATIONS	400 550.1	466 575.9
Art Unit	2618	-----		
Class	379	TELEPHONIC COMMUNICATIONS	55.1	56.3
Class	455	TELECOMMUNICATIONS	1 500 701 FOR 106	355 528 899 FOR 254
Art Unit	2621	-----		
Class	348	TELEVISION	25 384.1 699 818	172 440.1 702 843
Class	375	PULSE OR DIGITAL COMMUNICATIONS	240.01	240.29
Class	382	IMAGE ANALYSIS	FOR 000	
Class	386	TELEVISION SIGNAL PROCESSING FOR DYNAMIC RECORDING OR REPRODUCING	1	E09.063
Art Unit	2622	-----		
Class	348	TELEVISION	173 21 441 703 844	383 24 698 817 E17
Art Unit	2624	-----		
Class	382	IMAGE ANALYSIS	100	325

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2625	-----	-----	-----
Class	358	FACSIMILE AND STATIC PRESENTATION PROCESSING	ALL	
Art Unit	2626	-----		
Class	704	DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION	ALL	
Art Unit	2627	-----		
Class	360	DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL	ALL	
Class	369	DYNAMIC INFORMATION STORAGE OR RETRIEVAL	1	300
Class	720	DYNAMIC OPTICAL INFORMATION STORAGE OR RETRIEVAL	FOR 100	FOR 157
Class	G9B	INFORMATION STORAGE BASED ON RELATIVE MOVEMENT BETWEEN RECORD CARRIER AND TRANSDUCER	ALL	
Art Unit	2628	-----		
Class	345	COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY SYSTEMS	418 947	689 FOR 220
Art Unit	2629	-----		
Class	178	TELEGRAPHY	ALL	
Class	345	COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY SYSTEMS	1.1 690	215 905
Art Unit	2655	-----		
Class	369	DYNAMIC INFORMATION STORAGE OR RETRIEVAL	FOR 000	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2681	-----	-----	-----
Class	455	TELECOMMUNICATIONS	FOR 000	
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 (E.G., PROCESSORS)	FOR 000	
Art Unit	2785	-----		
Class	714	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY	FOR 000	
Art Unit	2787	-----		
Class	709	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA TRANSFERRING	FOR 000	
Art Unit	2811	-----		
Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	2 E21	798 E51.052

Generated by: Data Control Division

		Class Title	Subclass Ranges	
Art Unit			From	To
Art Unit	2812	-----	-----	-----

Class	29	METAL WORKING	25.01	25.03
Class	438	SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS	1 10 699 758 FOR 135	8 688 703 FOR 000 FOR 498
Art Unit	2813	-----		

Class	148	METAL TREATMENT	33 DIG 1	33.6 FOR 000
Art Unit	2814	-----		

Class	257	ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)	1 900 FOR 000	930
Art Unit	2816	-----		

Class	327	MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS	ALL	
Class	340	COMMUNICATIONS: ELECTRICAL	146.2 FOR 000	
Class	377	ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR SHIFT REGISTERS: CIRCUITS AND SYSTEMS	ALL	
Art Unit	2817	-----		

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	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2819	-----	-----	-----
Class	326	ELECTRONIC DIGITAL LOGIC CIRCUITRY	ALL	
Class	341	CODED DATA GENERATION OR CONVERSION	1 200 50	17 FOR 000 172
Art Unit	2821	-----		
Class	315	ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS	ALL	
Class	343	COMMUNICATIONS: RADIO WAVE ANTENNAS	ALL	
Art Unit	2825	-----		
Class	716	DATA PROCESSING: DESIGN AND ANALYSIS OF CIRCUIT OR SEMICONDUCTOR MASK	ALL	
Art Unit	2827	-----		
Class	174	ELECTRICITY: CONDUCTORS AND INSULATORS	DIG 20	
Class	365	STATIC INFORMATION STORAGE AND RETRIEVAL	ALL	
Art Unit	2828	-----		
Class	372	COHERENT LIGHT GENERATORS	ALL	
Art Unit	2829	-----		
Class	324	ELECTRICITY: MEASURING AND TESTING	140 D 158.1 73.1 750 92	142 75 772 132

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2831			

Class	174	ELECTRICITY: CONDUCTORS AND INSULATORS	1	124.0G C
			126.1	212
			350	DIG 19
			DIG 21	DIG 35
			FOR 100	FOR 117
Class	324	ELECTRICITY: MEASURING AND TESTING	133	
			300	322
			378	425
			438	727
			66	
			71.1	72.5
			76.11	91
Class	361	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES	271	436
			500	541
Art Unit	2832			

Class	84	MUSIC	1	DIG 30
Class	181	ACOUSTICS	.5	296
			404	
Class	335	ELECTRICITY: MAGNETICALLY OPERATED SWITCHES, MAGNETS, AND ELECTROMAGNETS	ALL	
Class	336	INDUCTOR DEVICES	ALL	
Class	338	ELECTRICAL RESISTORS	FOR 000	
Class	984	MUSICAL INSTRUMENTS	ALL	
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	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2834	-----	-----	-----
Class	310	ELECTRICAL GENERATOR OR MOTOR STRUCTURE	1 400 DIG 2	310 433 FOR 111
Art Unit	2835	-----		
Class	337	ELECTRICITY: ELECTROTHERMALLY OR THERMALLY ACTUATED SWITCHES	ALL	
Class	361	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES	600 FOR 102	727 FOR 110
Art Unit	2836	-----		
Class	307	ELECTRICAL TRANSMISSION OR INTERCONNECTION SYSTEMS	ALL	
Class	361	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES	1 35 437 FOR 100	21 270 FOR 101
Art Unit	2837	-----		
Class	84	MUSIC	FOR 000	
Class	181	ACOUSTICS	400 FOR 000	403
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	311 800	371
Class	318	ELECTRICITY: MOTIVE POWER SYSTEMS	ALL	
Class	361	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES	22	34
Class	388	ELECTRICITY: MOTOR CONTROL SYSTEMS	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2838	-----	-----	-----
Class	323	ELECTRICITY: POWER SUPPLY OR REGULATION SYSTEMS	ALL	
Class	324	ELECTRICITY: MEASURING AND TESTING	434	437
Class	363	ELECTRIC POWER CONVERSION SYSTEMS	ALL	
Art Unit	2839	-----		
Class	290	PRIME-MOVER DYNAMO PLANTS	ALL	
Class	322	ELECTRICITY: SINGLE GENERATOR SYSTEMS	ALL	
Art Unit	2841	-----		
Class	33	GEOMETRICAL INSTRUMENTS	ALL	
Class	116	SIGNALS AND INDICATORS	ALL	
Class	174	ELECTRICITY: CONDUCTORS AND INSULATORS	125.1 250 FOR 000	268
Class	177	WEIGHING SCALES	ALL	
Class	361	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES	728	FOR 000
Class	968	HOROLOGY	2	977
Art Unit	2851	-----		
Class	352	OPTICS: MOTION PICTURES	ALL	
Class	353	OPTICS: IMAGE PROJECTORS	ALL	
Class	355	PHOTOCOPYING	ALL	
Art Unit	2852	-----		
Class	399	ELECTROPHOTOGRAPHY	1 24	15 360

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2853	-----	-----	-----
Class	346	RECORDERS	ALL	
Class	347	INCREMENTAL PRINTING OF SYMBOLIC INFORMATION	1 48 53 900 94	20 67 FOR 000 170
Art Unit	2854	-----		
Class	101	PRINTING	ALL	
Class	199	TYPE CASTING	ALL	
Class	270	SHEET-MATERIAL ASSOCIATING	1.01	22.1
Class	276	TYPESETTING	ALL	
Class	399	ELECTROPHOTOGRAPHY	16 361	23 410
Class	400	TYPEWRITING MACHINES	ALL	
Art Unit	2855	-----		
Class	73	MEASURING AND TESTING	11.01 112.01 170.01 178 H 379.01 65.01 700 FOR 106	12.14 147 170.34 281 379.09 65.09 862.69 FOR 119
Class	374	THERMAL MEASURING AND TESTING	1 FOR 000	210
Art Unit	2856	-----		
Class	73	MEASURING AND TESTING	1.01 148 172 19.01 290 B 382 G	10 169 64.56 335.14 672

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2857	-----	-----	-----
Class	702	DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING	1 106 117 179 57 FOR 100	32 112 126 199 80 FOR 173
Art Unit	2858	-----		
Class	320	ELECTRICITY: BATTERY OR CAPACITOR CHARGING OR DISCHARGING	ALL	
Class	324	ELECTRICITY: MEASURING AND TESTING	426	433
Art Unit	2859	-----		
Class	374	THERMAL MEASURING AND TESTING	E01	E19
Class	968	HOROLOGY	FOR 000	
Art Unit	2861	-----		
Class	347	INCREMENTAL PRINTING OF SYMBOLIC INFORMATION	171 21 49 68	264 47 52 93
Art Unit	2862	-----		
Class	324	ELECTRICITY: MEASURING AND TESTING	134 143 160 323 67 800	139 157 263 377 FOR 000
Class	359	OPTICAL: SYSTEMS AND ELEMENTS	443 591 616	461 598 617
Class	396	PHOTOGRAPHY	ALL	
Class	702	DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING	FOR 000	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2863	-----	-----	-----
Class	702	DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING	113 127 33 81	116 178 56 105
Art Unit	2871	-----		
Class	349	LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS	ALL	
Art Unit	2872	-----		
Class	359	OPTICAL: SYSTEMS AND ELEMENTS	1 350 462 599 831 FOR 100	236 442 590 615 904 FOR 130
Art Unit	2873	-----		
Class	351	OPTICS: EYE EXAMINING, VISION TESTING AND CORRECTING	41	247
Class	359	OPTICAL: SYSTEMS AND ELEMENTS	237 618	324 830
Art Unit	2874	-----		
Class	359	OPTICAL: SYSTEMS AND ELEMENTS	325	332
Art Unit	2875	-----		
Class	362	ILLUMINATION	ALL	

Generated by: Data Control Division

		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	151
			153	900
			2	3
			30	139
			4.09	4.1
			6	27
			FOR 100	FOR 142
Art Unit	2878	-----		
Class	250	RADIANT ENERGY	200	239
			548	578.1
			900	908
			DIG 1	DIG 2
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	
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	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2882	-----	-----	-----
Class	378	X-RAY OR GAMMA RAY SYSTEMS OR DEVICES	ALL	
Art Unit	2883	-----		
Class	385	OPTICAL WAVEGUIDES	ALL	
Art Unit	2884	-----		
Class	250	RADIANT ENERGY	252.1 301 308 328 458.1 580 909	271 395 488.1 591 910
Art Unit	2891	-----		
Class	977	NANOTECHNOLOGY	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2911			
Class	D 1	EDIBLE PRODUCTS	ALL	
Class	D 4	BRUSHWARE	ALL	
Class	D 6	FURNISHINGS	354	574
Class	D 8	TOOLS AND HARDWARE	512	13
			2	13
			330	349
			354	381
Class	D10	MEASURING, TESTING, OR SIGNALLING INSTRUMENTS	DIG 1	DIG 10
Class	D12	TRANSPORTATION	104	121
			16.1	
			163	166
			168	170
			173	180
			182	
			184	186
			196	
			214	216
			218	
			221	
			223	345
			402	
			407	411
			420	
Class	D13	EQUIPMENT FOR PRODUCTION, DISTRIBUTION, OR TRANSFORMATION OF ENERGY	82	133
			103	109
			119	121
			133	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
			314	499

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
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	300.2	
			401.1	
			502	
			504	
			508	
			589	641
			665	697
			700	710
Class	D 8	TOOLS AND HARDWARE	14	
			21	29
			300	302
			305	329
			31	32
			350	353
			382	499
			44	50
			75	101
Class	D 9	PACKAGES AND CONTAINERS FOR GOODS	414	433
			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

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	2913			
Class	D 3	TRAVEL GOODS AND PERSONAL BELONGINGS	304	314
Class	D 5	TEXTILE OR PAPER YARD GOODS; SHEET MATERIAL	ALL	
Class	D 6	FURNISHINGS	300	314
			329	339
			345	353
			360	511
			575	635
Class	D 7	EQUIPMENT FOR PREPARING OR SERVING FOOD OR DRINK NOT ELSEWHERE SPECIFIED	213	300.1
			301	322
			325	330
			352	361
			376	401
			401.2	
			409	501
			503	
			505	507
			509	588
			642	664
			698	699
			900	901
Class	D 8	TOOLS AND HARDWARE	1	
			102	107
			14.1	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	D11	JEWELRY, SYMBOLIC INSIGNIA, AND ORNAMENTS	143	156
			165	183
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	132
			158	162
			163	199

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
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
Class	D 6	FURNISHINGS	900	905
			340	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	
			50	54
			55	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

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3611	-----	-----	-----
Class	40	CARD, PICTURE, OR SIGN EXHIBITING	ALL	
Class	180	MOTOR VEHICLES	116 182 218 233 36 400 6.2	164 207 231 267 40 908 19.3
Class	280	LAND VEHICLES	1 11.201 14.21 200 28.5 3 7 827 900 FOR 100	1.5 11.233 14.28 515 32.7 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	3614	-----		
Class	124	MECHANICAL GUNS AND PROJECTORS	54	55

Generated by: Data Control Division

		Subclass Ranges	
		From	To
Class Title		-----	
Art Unit	3616	-----	-----

Class	180	MOTOR VEHICLES	
		20	24.13
		208	217
		232	
		268	290
		311	385
		41	53.8
		76	90.6
		FOR 000	
Class	280	LAND VEHICLES	
		5.5	6.16
		676	761
		771	808
		80.1	86.758
		87.1	149.2

Generated by: Data Control Division

Art Unit	Class	Class Title	Subclass Ranges	
			From	To
3617				
	104	RAILWAYS	ALL	
	105	RAILWAY ROLLING STOCK	ALL	
	114	SHIPS	1	19
			242	382
			26	234
	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
	191	ELECTRICITY: TRANSMISSION TO VEHICLES	ALL	
	213	RAILWAY DRAFT APPLIANCES	ALL	
	238	RAILWAYS: SURFACE TRACK	ALL	
	246	RAILWAY SWITCHES AND SIGNALS	ALL	
	258	RAILWAY MAIL DELIVERY	ALL	
	278	LAND VEHICLES: ANIMAL DRAFT APPLIANCES	ALL	
	291	TRACK SANDERS	ALL	
	295	RAILWAY WHEELS AND AXLES	ALL	
	301	LAND VEHICLES: WHEELS AND AXLES	ALL	
	305	WHEEL SUBSTITUTES FOR LAND VEHICLES	ALL	
	440	MARINE PROPULSION	ALL	
	441	BUOYS, RAFTS, AND AQUATIC DEVICES	ALL	

Generated by: Data Control Division

		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
			FOR 100	FOR 101
Class	280	LAND VEHICLES	11.24	14.1
			15	28.18
			151	192
			2	
			33.991	79.7
			600	659
			7.1	11.19
			762	770
			809	826
			841	856
			87.01	87.051
Class	903	HYBRID ELECTRIC VEHICLES (HEVS)	ALL	
Art Unit	3619			
Class	280	LAND VEHICLES	FOR 000	
Art Unit	3621			
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	50	79
			FOR 000	FOR 106
			FOR 124	
Art Unit	3622			
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	14.1	14.73
			FOR 107	
Art Unit	3623			
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	7	12

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3625	-----	-----	-----
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	26	27
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	25 34
Art Unit	3628	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	13 400 5	418 6
Art Unit	3629	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	1 500	
Art Unit	3632	-----		
Class	248	SUPPORTS	ALL	
Art Unit	3633	-----		
Class	5	BEDS	901 911	
Class	52	STATIC STRUCTURES (E.G., BUILDINGS)	1 900	802.11 FOR 172

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			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	3635	-----		
Class	52	STATIC STRUCTURES (E.G., BUILDINGS)	831	857
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	211	SUPPORTS: RACKS	ALL	
Class	249	STATIC MOLDS	1 188 207	51 196 219.2
Class	312	SUPPORTS: CABINET STRUCTURE	ALL	

Generated by: Data Control Division

		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	111	PLANTING	ALL	
Class	114	SHIPS	20.1 238 FOR 000	25 241
Class	124	MECHANICAL GUNS AND PROJECTORS	2 56	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

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
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	270	SHEET-MATERIAL ASSOCIATING	30.01	FOR 000
Class	406	CONVEYORS: FLUID CURRENT	ALL	
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	213	244
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	186	MERCHANDISING	ALL	
Class	194	CHECK-ACTUATED CONTROL MECHANISMS	ALL	
Class	209	CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS	1 171	161 FOR 000
Class	221	ARTICLE DISPENSING	FOR 000	
Class	242	WINDING, TENSIONING, OR GUIDING	FOR 136 FOR 189	
Class	271	SHEET FEEDING OR DELIVERING	ALL	
Class	453	COIN HANDLING	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
Art Unit			From	To
Art Unit	3654			
Class	187	ELEVATOR, INDUSTRIAL LIFT TRUCK, OR STATIONARY LIFT FOR VEHICLE	200 249 300 318 400	246 276 315 379 900
Class	212	TRAVERSING HOISTS	FOR 000 ALL	
Class	226	ADVANCING MATERIAL OF INDETERMINATE LENGTH	ALL	
Class	242	WINDING, TENSIONING, OR GUIDING	118 FOR 137 FOR 190	FOR 135 FOR 188 FOR 197
Class	254	IMPLEMENTS OR APPARATUS FOR APPLYING PUSHING OR PULLING FORCE	199 900 DIG 11	417 903 DIG 15
Art Unit	3655			
Class	74	MACHINE ELEMENT OR MECHANISM	318 640	379 810.2
Class	192	CLUTCHES AND POWER-STOP CONTROL	ALL	
Class	475	PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS	ALL	
Class	477	INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL	ALL	
Art Unit	3656			
Class	74	MACHINE ELEMENT OR MECHANISM	1 R 380 813 C	216.3 625 FOR 106
Class	185	MOTORS: SPRING, WEIGHT, OR ANIMAL POWERED	ALL	
Class	384	BEARINGS	ALL	
Class	476	FRICTION GEAR TRANSMISSION SYSTEMS OR COMPONENTS	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
Art Unit			From	To
Art Unit	3657	-----	-----	-----
Class	184	LUBRICATION	ALL	
Class	188	BRAKES	ALL	
Class	267	SPRING DEVICES	ALL	
Class	303	FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS	ALL	
Class	474	ENDLESS BELT POWER TRANSMISSION SYSTEMS OR COMPONENTS	ALL	
Art Unit	3661	-----		
Class	701	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION	1 116	100 FOR 000
Art Unit	3662	-----		
Class	244	AERONAUTICS AND ASTRONAUTICS	3.1 3.14	3.12 3.22
Class	342	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES (E.G., RADAR, RADIO NAVIGATION)	ALL	
Class	356	OPTICS: MEASURING AND TESTING	139.01 141.1 152.1 28 3.01 5.01 901	139.1 141.5 152.3 29 4.08 5.15 FOR 000
Class	367	COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES	1 10 87 900 95 FOR 000	8 13 92 910 191

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3663	-----	-----	-----
Class	359	OPTICAL: SYSTEMS AND ELEMENTS	333	349
Class	367	COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES	FOR 000 14 86 9	80
Class	376	INDUCED NUCLEAR REACTIONS: PROCESSES, SYSTEMS, AND ELEMENTS	911 ALL	912
Class	976	NUCLEAR TECHNOLOGY	DIG 1	DIG 445
Art Unit	3664	-----		
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	245 900	264
Art Unit	3671	-----		
Class	14	BRIDGES	ALL	
Class	37	EXCAVATING	ALL	
Class	56	HARVESTERS	ALL	
Class	166	WELLS	335	368
Class	171	UNEARTHING PLANTS OR BURIED OBJECTS	ALL	
Class	172	EARTH WORKING	ALL	
Class	175	BORING OR PENETRATING THE EARTH	5	10
Class	404	ROAD STRUCTURE, PROCESS, OR APPARATUS	ALL	
Class	460	CROP THRESHING OR SEPARATING	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3672	-----	-----	-----
Class	166	WELLS	247	250.04
			250.07	250.11
			250.13	
			250.15	251.1
			252.2	
			252.4	252.5
			253.1	255.3
			264	265
			277	278
			284	
			286	287
			289	290
			296	298
			301	302
			311	
			313	334.4
			369	387
			50	70
			72	245
			901	FOR 101
Class	175	BORING OR PENETRATING THE EARTH	1	4.6
			11	62
			72	FOR 000
Class	299	MINING OR IN SITU DISINTEGRATION OF HARD MATERIAL	ALL	
Class	405	HYDRAULIC AND EARTH ENGINEERING	ALL	
Class	588	HAZARDOUS OR TOXIC WASTE DESTRUCTION OR CONTAINMENT	249	250
			252	261
Art Unit	3673	-----		
Class	5	BEDS	1	900
			902	910
			913	FOR 000
Class	70	LOCKS	ALL	
Class	109	SAFES, BANK PROTECTION, OR A RELATED DEVICE	ALL	
Class	249	STATIC MOLDS	FOR 000	
Class	292	CLOSURE FASTENERS	ALL	
Class	588	HAZARDOUS OR TOXIC WASTE DESTRUCTION OR CONTAINMENT	FOR 000	

Generated by: Data Control Division

		Subclass Ranges	
		From	To

Art Unit	3676		

Class	166	WELLS	
		246	
		250.05	250.06
		250.12	
		250.14	
		252.1	
		252.3	
		252.6	
		256	263
		266	276
		279	283
		285	
		288	
		291	295
		299	300
		303	310
		312	
		400	403
		71	
Class	175	BORING OR PENETRATING THE EARTH	
		64	71
Class	277	SEAL FOR A JOINT OR JUNCTURE	
		ALL	

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	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3679	-----	-----	-----
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	3689	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	80	
Art Unit	3691	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	35 4	37
Art Unit	3694	-----		
Class	705	DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION	38	45
Art Unit	3711	-----		
Class	124	MECHANICAL GUNS AND PROJECTORS	1 4 78	53.5 FOR 000
Class	273	AMUSEMENT DEVICES: GAMES	ALL	
Class	446	AMUSEMENT DEVICES: TOYS	1	901
Class	463	AMUSEMENT DEVICES: GAMES	47.1 58	47.7 69
Class	472	AMUSEMENT DEVICES	ALL	
Class	473	GAMES USING TANGIBLE PROJECTILE	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3714	-----	-----	-----
Class	446	AMUSEMENT DEVICES: TOYS	FOR 000	
Class	463	AMUSEMENT DEVICES: GAMES	1	47
			48	57
Class	700	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS	FOR 000	
			91	93
Art Unit	3715	-----		
Class	434	EDUCATION AND DEMONSTRATION	ALL	
Art Unit	3721	-----		
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 SHEET OR WEB	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3723	-----	-----	-----
Class	7	COMPOUND TOOLS	ALL	
Class	15	BRUSHING, SCRUBBING, AND GENERAL CLEANING	ALL	
Class	29	METAL WORKING	213.1	243.517
Class	81	TOOLS	243.53	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	
Art Unit	3724	-----		
Class	30	CUTLERY	ALL	
Class	76	METAL TOOLS AND IMPLEMENTS, MAKING	ALL	
Class	82	TURNING	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	
Class	407	CUTTERS, FOR SHAPING	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
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 COMMUNITION OR DISINTEGRATION	ALL	
Class	281	BOOKS, STRIPS, AND LEAVES	ALL	
Class	283	PRINTED MATTER	ALL	
Class	402	BINDER DEVICE RELEASABLY ENGAGING APERTURE OR NOTCH OF SHEET	ALL	
Class	412	BOOKBINDING: PROCESS AND APPARATUS	ALL	
Class	413	SHEET METAL CONTAINER MAKING	ALL	
Class	462	BOOKS, STRIPS, AND LEAVES FOR MANIFOLDING	ALL	
Class	470	THREADED, HEADED FASTENER, OR WASHER MAKING: PROCESS AND APPARATUS	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3726	-----	-----	-----
Class	29	METAL WORKING	2.1	25
			26 A	91.8
			284	592
			650	728
			765	824
			888	890.09
			890.11	DIG 105
Class	279	CHUCKS OR SOCKETS	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	
Class	492	ROLL OR ROLLER	ALL	
Art Unit	3727	-----		
Class	220	RECEPTACLES	FOR 131	FOR 207
Art Unit	3728	-----		
Class	12	BOOT AND SHOE MAKING	ALL	
Class	36	BOOTS, SHOES, AND LEGGINGS	ALL	
Class	206	SPECIAL RECEPTACLE OR PACKAGE	.5	6.1
			14	277
			300	315.11
			315.9	500
			521	521.1
			521.2	833

Generated by: Data Control Division

			Subclass Ranges	
Class Title			From	To
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	600	SURGERY	184	
Class	606	SURGERY	107	
			110	128
			131	137
			159	190
Class	623	PROSTHESIS (I.E., ARTIFICIAL BODY MEMBERS), PARTS THEREOF, OR AIDS AND ACCESSORIES THEREFOR	6.12	
Art Unit	3732			

Class	132	TOILET	ALL	
Class	433	DENTISTRY	ALL	
Art Unit	3733			

Class	600	SURGERY	185	249
Class	606	SURGERY	103	
			246	279
			53	68
			86 A	
			900	901
			914	
Class	623	PROSTHESIS (I.E., ARTIFICIAL BODY MEMBERS), PARTS THEREOF, OR AIDS AND ACCESSORIES THEREFOR	FOR 100	FOR 103
			17.11	17.16

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3734	-----	-----	-----
Class	606	SURGERY	106	
			108	109
			129	130
			191	212
			234	236
Class	623	PROSTHESIS (I.E., ARTIFICIAL BODY MEMBERS), PARTS THEREOF, OR AIDS AND ACCESSORIES THEREFOR	1.11	1.12
Art Unit	3735	-----		
Class	128	SURGERY	897	
			899	
Class	351	OPTICS: EYE EXAMINING, VISION TESTING AND CORRECTING	FOR 000	
Class	600	SURGERY	1	15
			19	41
			302	308
			345	371
			481	507
			529	545
Art Unit	3736	-----		
Class	600	SURGERY	546	595
Art Unit	3737	-----		
Class	128	SURGERY	915	916
			920	925
Class	600	SURGERY	407	480
Class	601	SURGERY: KINESITHERAPY	2	4
Art Unit	3738	-----		
Class	128	SURGERY	898	
Class	623	PROSTHESIS (I.E., ARTIFICIAL BODY MEMBERS), PARTS THEREOF, OR AIDS AND ACCESSORIES THEREFOR	1.1	
			1.13	1.22
			1.24	2.1

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3739	-----	-----	-----
Class	600	SURGERY	101	183
			372	397
Class	606	SURGERY	920	FOR 000
			20	52
Class	607	SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION	FOR 000	
			900	902
			96	114
Art Unit	3741	-----		
Class	60	POWER PLANTS	39.01	269
			722	917
Class	123	INTERNAL-COMBUSTION ENGINES	FOR 100	FOR 118
			1 A	3
			142.5 E	142.5 R
			184.21	184.61
			188.1	198.0D C
			19	42
			311	318
			46 A	89
			522	530
			536	558
			567	
			572	593
Class	137	FLUID HANDLING	657	671
			15.1	
			15.2	
Class	239	FLUID SPRINKLING, SPRAYING, AND DIFFUSING	127.1	127.3
			265.11	265.43
Art Unit	3742	-----		
Class	99	FOODS AND BEVERAGES: APPARATUS	ALL	
Class	219	ELECTRIC HEATING	ALL	
Class	373	INDUSTRIAL ELECTRIC HEATING FURNACES	ALL	
Class	392	ELECTRIC RESISTANCE HEATING DEVICES	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3743	-----	-----	-----
Class	34	DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS	ALL	
Class	110	FURNACES	ALL	
Art Unit	3744	-----		
Class	62	REFRIGERATION	ALL	
Class	165	HEAT EXCHANGE	ALL	
Class	236	AUTOMATIC TEMPERATURE AND HUMIDITY REGULATION	ALL	
Art Unit	3745	-----		
Class	60	POWER PLANTS	325	494
Class	91	MOTORS: EXPANSIBLE CHAMBER TYPE	532	594
Class	92	EXPANSIBLE CHAMBER DEVICES	1	471
Class	415	ROTARY KINETIC FLUID MOTORS OR PUMPS	508	DIG 4
Class	416	FLUID REACTION SURFACES (I.E., IMPELLERS)	ALL	
Art Unit	3746	-----		
Class	91	MOTORS: EXPANSIBLE CHAMBER TYPE	472	507
Class	417	PUMPS	FOR 000	
			ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3747	-----		

Class	123	INTERNAL-COMBUSTION ENGINES	143 A	184.1
			185.1	185.9
			250	310
			319	521
			531	535
			568.11	568.32
			594	656
			672	DIG 13
			FOR 100	FOR 128
Class	701	DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION	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	ALL	
Art Unit	3749	-----		

Class	122	LIQUID HEATERS AND VAPORIZERS	ALL	
Class	126	STOVES AND FURNACES	ALL	
Class	237	HEATING SYSTEMS	ALL	
Class	431	COMBUSTION	ALL	
Class	432	HEATING	ALL	
Class	454	VENTILATION	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3751	-----	-----	-----
Class	4	BATHS, CLOSETS, SINKS, AND SPITTOONS	ALL	
Class	141	FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER COACTING MEANS	ALL	
Class	401	COATING IMPLEMENTS WITH MATERIAL SUPPLY	ALL	
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	251	VALVES AND VALVE ACTUATION	ALL	
Art Unit	3754	-----		
Class	138	PIPES AND TUBULAR CONDUITS	ALL	
Class	222	DISPENSING	1 608 630	589 628 FOR 000
Art Unit	3761	-----		
Class	27	UNDERTAKING	21.1	25.1
Class	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	44	48
Class	604	SURGERY	1 289 540 904 921	18 416 544

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3762	-----	-----	-----
Class	422	CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING	FOR 000	
Class	607	SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION	FOR 000	
Art Unit	3763	-----		
Class	604	SURGERY	288.02 57 900 905 FOR 000	288.04 168.01 903 920
Art Unit	3764	-----		
Class	482	EXERCISE DEVICES	ALL	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3765			
Class	2	APPAREL	ALL	
Class	19	TEXTILES: FIBER PREPARATION	ALL	
Class	26	TEXTILES: CLOTH FINISHING	ALL	
Class	28	TEXTILES: MANUFACTURING	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	ALL	
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	3766			
Class	600	SURGERY	16 508	18 528
Class	607	SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION	1 115	76 156
Art Unit	3767			
Class	604	SURGERY	170.01 19 500	288.01 48 539

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3768	-----	-----	-----
Class	600	SURGERY	309	344
Art Unit	3769	-----		
Class	600	SURGERY	300	301
			398	406
Class	606	SURGERY	1	19
Class	607	SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION	77	95
Art Unit	3771	-----		
Class	128	SURGERY	200.11	207.29
Class	601	SURGERY: KINESITHERAPY	1	
			5	FOR 000
Class	606	SURGERY	237	245
Art Unit	3772	-----		
Class	128	SURGERY	830	894
			900	914
			917	919
			95.1	126.1
Class	602	SURGERY: SPLINT, BRACE, OR BANDAGE	DIG 1	FOR 000
			ALL	
Art Unit	3773	-----		
Class	606	SURGERY	138	158
			213	233
Class	623	PROSTHESIS (I.E., ARTIFICIAL BODY MEMBERS), PARTS THEREOF, OR AIDS AND ACCESSORIES THEREFOR	1.23	
			2.11	
			23.72	
			23.74	

Generated by: Data Control Division

		Class Title	Subclass Ranges	
			From	To
Art Unit	3775	-----	-----	-----
Class	606	SURGERY	104	105.5
			280	331
			70	85
			86 B	102
			902	913
			915	916
Art Unit	3781	-----		
Class	150	PURSES, WALLETS, AND PROTECTIVE COVERS	ALL	
Class	190	TRUNKS AND HAND-CARRIED LUGGAGE	ALL	
Class	206	SPECIAL RECEPTACLE OR PACKAGE	278	299
			315.2	315.8
			501	520
			521.15	
			8	11
Class	215	BOTTLES AND JARS	ALL	
Class	217	WOODEN RECEPTACLES	ALL	
Class	220	RECEPTACLES	1.5	FOR 130
Art Unit	3782	-----		
Class	224	PACKAGE AND ARTICLE CARRIERS	ALL	
Class	229	ENVELOPES, WRAPPERS, AND PAPERBOARD BOXES	ALL	
Class	383	FLEXIBLE BAGS	ALL	

