

Generated by: Production Data Control Section

| | | 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 | 449 483 502 64 78.38 |
| Art Unit | 1616 | ----- | | |
| Class | 424 | DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS | 123 40 59 600 65 650 84 900 | 126 47 60 648 68 724 DIG 16 |
| Class | 504 | PLANT PROTECTING AND REGULATING COMPOSITIONS | ALL | |
| 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 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|---|--|---|
| | | | From | To |
| 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 | 286 303 327 |
| Class | 540 | ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES | 465 | 483 |
| Class | 546 | ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES | ALL | |
| Class | 549 | ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES | ALL | |

Generated by: Production Data Control Section

| | | 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 | 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 |

Generated by: Production Data Control Section

| | | 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 |

Generated by: Production Data Control Section

| | | 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 | 344.1 454 462 467 490 |
| Class | 514 | DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS | 7.23 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 | 329 343.2 |
| Class | 514 | DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS | FOR 123 FOR 207 19.1 | FOR 205 FOR 236 |
| 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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| | | Class Title | Subclass Ranges | |
|----------|------|--|---|--|
| | | | 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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| | | Class Title | Subclass Ranges | |
|----------|------|--|-----------------|---------|
| | | | From | To |
| Art Unit | 1648 | | | |
| ----- | | | | |
| Class | 424 | DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS | 147.1 | 149.1 |
| | | | 159.1 | 162.1 |
| | | | 186.1 | 189.1 |
| | | | 199.1 | |
| | | | 202.1 | 233.1 |
| | | | 281.1 | |
| | | | 813 | 822 |
| Class | 435 | CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY | 235.1 | 239 |
| | | | 339 | 339.1 |
| | | | 456 | 457 |
| | | | 5 | |
| 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 | 18.2 |
| | | | 5.2 | |
| | | | 8.3 | 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 | 234 |
| | | | 71.1 | 71.2 |
| | | | 94 | 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 | 122 |
| Class | 435 | CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY | FOR 000 1.1 173.1 242 252.4 255.1 257.3 326 346 361 70.1 71.3 8 803 815 818 820 822 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 |
| Class | 530 | CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS THEREOF | 69.6 | 69.7 |
| Class | 536 | ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES | 352 | 385 |
| Class | 930 | PEPTIDE OR PROTEIN SEQUENCE | 401 | 404 |
| | | | 404 | 427 |
| | | | 23.6 | 23.74 |
| | | | 10 | 40 |
| | | | 100 | 130 |
| | | | 150 | DIG 822 |
| | | | 60 | 80 |
| Art Unit | 1661 | ----- | | |
| Class | PLT | PLANTS | ALL | |
| Art Unit | 1662 | ----- | | |
| Class | 435 | CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY | 341 | 431 |
| | | | 410 | 470 |
| | | | 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 | ALL | |
| Class | 560 | ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES | ALL | |
| Class | 562 | ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES | ALL | |
| 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 | |

Generated by: Production Data Control Section

| | | 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 5.4 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 | | |

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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 7.5 800 960 FOR 206 | 4 7.21 7.25 7.95 802 975 829 |
| Class | 436 | CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING | 500 | 829 |
| 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 |
| Art Unit | 1715 | | | |
| Class | 427 | COATING PROCESSES | 1 214 | 213 FOR 110 |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|--|---|
| | | | From | To |
| Art Unit | 1716 | ----- | ----- | ----- |
| Class | 118 | COATING APPARATUS | 715 | 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 | 1721 | ----- | | |
| Class | 430 | RADIATION IMAGERY CHEMISTRY: PROCESS, COMPOSITION, OR PRODUCT THEREOF | 296 3 320 9 900 942 965 970 | 7 321 137.22 904 FOR 118 |
| Art Unit | 1722 | ----- | | |
| Class | 252 | COMPOSITIONS | 299.01 | 299.7 |
| Class | 430 | RADIATION IMAGERY CHEMISTRY: PROCESS, COMPOSITION, OR PRODUCT THEREOF | 1 138 297 322 8 905 943 966 | 2 295 319 644 941 964 967 |
| Art Unit | 1725 | ----- | | |
| Class | 48 | GAS: HEATING AND ILLUMINATING | ALL | |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|-----------------|---------|
| | | | From | To |
| Art Unit | 1726 | ----- | ----- | ----- |
| Class | 29 | METAL WORKING | 2 | |
| | | | 623.1 | 623.5 |
| Class | 429 | CHEMISTRY: ELECTRICAL CURRENT PRODUCING APPARATUS, PRODUCT, AND PROCESS | 730 | 731 |
| | | | ALL | |
| 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 |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|--------------------|--------------------|
| | | | From | To |
| 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 99 | 33.6 DIG 174 |
| Class | 222 | DISPENSING | 590 629 | 607 |
| Class | 266 | METALLURGICAL APPARATUS | ALL | |
| Class | 419 | POWDER METALLURGY PROCESSES | ALL | |
| Class | 420 | ALLOYS OR METALLIC COMPOSITIONS | ALL | |
| Art Unit | 1734 | ----- | | |
| Class | 106 | COMPOSITIONS: COATING OR PLASTIC | 1.05 31.01 | 1.29 31.97 |
| Class | 252 | COMPOSITIONS | 35 301.16 60 | 301.6 S 62.9P Z |
| Art Unit | 1735 | ----- | | |
| Class | 149 | EXPLOSIVE AND THERMIC COMPOSITIONS OR CHARGES | ALL | |
| Class | 164 | METAL FOUNDRY | ALL | |
| Class | 228 | METAL FUSION BONDING | ALL | |

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| | | Class Title | Subclass Ranges | |
|----------|-------|---|--------------------|--------------------------|
| | | | From | To |
| 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 | 659 |
| Class | 502 | CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR: PRODUCT OR PROCESS OF MAKING | DIG 1 1 232 | FOR 102 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 | 1741 | | | |
| ----- | ----- | | | |
| Class | 65 | GLASS MANUFACTURING | ALL | |
| Class | 162 | PAPER MAKING AND FIBER LIBERATION | ALL | |
| 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 |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|---|---|
| | | | From | To |
| 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 |
| Art Unit | 1747 | ----- | | |
| 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 | 110.1 394.1 906 909 | 136 422 907 910 |
| Art Unit | 1756 | ----- | | |
| Class | 204 | CHEMISTRY: ELECTRICAL AND WAVE ENERGY | ALL | |
| Class | 205 | ELECTROLYSIS: PROCESSES, COMPOSITIONS USED THEREIN, AND METHODS OF PREPARING THE COMPOSITIONS | ALL | |
| Art Unit | 1757 | ----- | | |
| Class | 136 | BATTERIES: THERMOELECTRIC AND PHOTOELECTRIC | ALL | |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|--|--|
| | | | From | To |
| Art Unit | 1759 | ----- | ----- | ----- |
| Class | 422 | CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING | 186 | 186.3 |
| 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 | 516 | COLLOID SYSTEMS AND WETTING AGENTS; SUBCOMBINATIONS THEREOF; PROCESSES OF MAKING, STABILIZING, BREAKING, OR INHIBITING | ALL | |
| 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 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|--|--------------------------------------|--|
| | | | 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 DIG 1 | 142 403 435 115.53 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 |

Generated by: Production Data Control Section

| Art Unit | Class | Class Title | Subclass Ranges | |
|----------|-------|---|--|--|
| | | | From | To |
| 1765 | | | | |
| | 264 | PLASTIC AND NONMETALLIC ARTICLE SHAPING OR TREATING: PROCESSES | 4.1 | 4.7 |
| | 427 | COATING PROCESSES | 213.3 | 213.36 |
| | 428 | STOCK MATERIAL OR MISCELLANEOUS ARTICLES | 402.2 | 402.24 |
| | 507 | EARTH BORING, WELL TREATING, AND OIL FIELD CHEMISTRY | ALL | |
| | 520 | SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES | ALL | |
| | 521 | SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES | 40 | 918 |
| | 522 | SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES | ALL | |
| | 523 | SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES | 212 | 214 |
| | 524 | SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES | 588 | |
| | 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 |
| | 526 | SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES | 279 | |
| | 527 | SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES | ALL | |
| | 528 | SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES | 10 176 310 392 480 | 124 270 372 402 FOR 000 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|--|--|--|
| | | | From | To |
| Art Unit | 1766 | | | |
| ----- | | | | |
| 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 |
| 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 | 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 |

Generated by: Production Data Control Section

| | | 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 | 127 | SUGAR, STARCH, AND CARBOHYDRATES | 1 DIG 1 | 28 FOR 000 |
| 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 | 115 185 242 659 FOR 122 |
| Class | 494 | IMPERFORATE BOWL: CENTRIFUGAL SEPARATORS | ALL | |

Generated by: Production Data Control Section

| | | 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 | 805 817 819 FOR 000 | 814 |
| Art Unit | 1776 | ----- | | |
| Class | 55 | GAS SEPARATION | ALL | |
| Class | 95 | GAS SEPARATION: PROCESSES | 1 | 903 |
| Class | 96 | GAS SEPARATION: APPARATUS | 1 | 429 |
| Class | 209 | CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS | 162 | 170 |
| Class | 261 | GAS AND LIQUID CONTACT APPARATUS | ALL | |
| Art Unit | 1778 | ----- | | |
| 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 | 189 220 34 63 84 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|---|-----------------|---------|
| | | | From | To |
| 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 | 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 |
| | | | 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 TEXTILE OR CLOTH, ETC.) | 1 | 58 |
| | | | 181 | 417 |
| Art Unit | 1791 | ----- | | |
| Class | 426 | FOOD OR EDIBLE MATERIAL: PROCESSES, COMPOSITIONS, AND PRODUCTS | 1 | 74 |
| | | | 105 | |
| | | | 135 | |
| | | | 140 | |
| | | | 246 | |
| | | | 249 | 311 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|--|--|---|
| | | | 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 |
| Class | 438 | SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS | FOR 102 | FOR 134 |
| 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 | |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|--------------------------------|--------------------------|
| | | | From | To |
| Art Unit | 1797 | ----- | ----- | ----- |
| Class | 422 | CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING | 502 | 507 |
| Class | 436 | CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING | 1 900 | 183 FOR 000 |
| 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 | 309.4 |
| 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 FOR 306 | 100 E11.22 FOR 313 |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|------------------------------|-------------------------|
| | | | From | To |
| 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 | 130 FOR 000 | 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 |
| 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 | |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|--|-----------------|---------|
| | | | From | To |
| 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 | 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 |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|-----------------|---------|
| | | | From | To |
| Art Unit | 2184 | ----- | ----- | ----- |
| Class | 710 | ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT | 1 | 74 |
| 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 | 100 | 317 |
| 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 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|--|--|--|
| | | | From | To |
| 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 COMMUNICATION (IPC) | 310 | 332 |
| 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 | 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 | 2447 | | | |
| Class | 709 | ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTICOMPUTER DATA | ALL | |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|---------------------------|----------------------------|
| | | | From | To |
| 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 |
| Art Unit | 2484 | ----- | | |
| Class | 386 | MOTION VIDEO SIGNAL PROCESSING FOR RECORDING OR REPRODUCING | ALL | |
| Art Unit | 2486 | ----- | | |
| 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 | 2611 | ----- | | |
| Class | 345 | COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY SYSTEMS | 418 947 | 689 960 |
| Class | 375 | PULSE OR DIGITAL COMMUNICATIONS | E01 | FOR 109 |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|--------------------|--------------------|
| | | | From | To |
| Art Unit | 2612 | ----- | ----- | ----- |
| Class | 348 | TELEVISION | FOR 161 FOR 184 | FOR 162 FOR 212 |
| Art Unit | 2613 | ----- | | |
| Class | 348 | TELEVISION | FOR 000 | FOR 160 |
| 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 | |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|-----------------|-------------------|
| | | | From | To |
| 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 |
| Art Unit | 2651 | ----- | | |
| Class | 348 | TELEVISION | FOR 163 | FOR 183 |
| 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 |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|----------------------|-----------------------|
| | | | From | To |
| Art Unit | 2656 | ----- | ----- | ----- |
| Class | 348 | TELEVISION | 14.01 | 14.16 |
| Class | 379 | TELEPHONIC COMMUNICATIONS | 1.01 419 90.01 | 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 | |
| Art Unit | 2658 | ----- | | |
| Class | 704 | DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION | 1 | E21.02 |
| Art Unit | 2661 | ----- | | |
| Class | 348 | TELEVISION | 207.1 | 376 |
| Art Unit | 2668 | ----- | | |
| Class | 382 | IMAGE ANALYSIS | 100 | 325 |
| Art Unit | 2673 | ----- | | |
| Class | 358 | FACSIMILE AND STATIC PRESENTATION PROCESSING | ALL | |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|----------------------------------|---------------------------------|
| | | | From | To |
| 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 | 2684 | ----- | | |
| Class | 340 | COMMUNICATIONS: ELECTRICAL | 640 | 693.9 |
| Class | 367 | COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES | 93 | 94 |
| Art Unit | 2685 | ----- | | |
| Class | 340 | COMMUNICATIONS: ELECTRICAL | 146.2 815.4 901 FOR 100 | 639 815.92 999 FOR 472 |
| Art Unit | 2686 | ----- | | |
| Class | 340 | COMMUNICATIONS: ELECTRICAL | 850 | 870.44 |
| Class | 341 | CODED DATA GENERATION OR CONVERSION | 173 20 | 192 35 |
| Class | 367 | COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES | 81 | 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 | |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|------------------------------|-------------------------------|
| | | | From | To |
| Art Unit | 2691 | ----- | ----- | ----- |
| Class | 178 | TELEGRAPHY | 1 21 | 17.5 FOR 103 |
| 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 | 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 | 8 688 703 979 983 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|---|---------------------|---------|
| | | | From | To |
| 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 |
| 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 | |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|--|-------------------------|-----------------------------|
| | | | From | To |
| 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 | |
| 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 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|--|---|--|
| | | | From | To |
| 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 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|---|--------------------------|--------------------------|
| | | | From | To |
| 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 | 248 299 317 399 |
| Class | 310 | ELECTRICAL GENERATOR OR MOTOR STRUCTURE | 901 311 80 800 | 902 371 |
| 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 | |

Generated by: Production Data Control Section

| | | 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 | 14.0B H |
| | | | 135 | 212 |
| | | | 17 R | 20 |
| | | | 30 | 31 S |
| | | | 37 | 69 |
| | | | 480 | 507 |
| | | | 95 | 101.5 |
| Class | 361 | ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES | 271 | 330 |
| | | | 500 | 541 |
| | | | 748 | 751 |
| | | | 760 | 795 |
| | | | 803 | 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 | 461 |
| | | | 591 | 598 |
| | | | 616 | 617 |
| Class | 396 | PHOTOGRAPHY | ALL | |
| Class | 399 | ELECTROPHOTOGRAPHY | 1 | 15 |
| | | | 24 | 360 |
| | | | 411 | FOR 000 |
| Art Unit | 2853 | | | |
| ----- | | | | |
| Class | 346 | RECORDERS | ALL | |
| Class | 347 | INCREMENTAL PRINTING OF SYMBOLIC INFORMATION | ALL | |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|--|-----------------|---------------|
| | | | From | To |
| 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 | 33 | GEOMETRICAL INSTRUMENTS | ALL | |
| Class | 73 | MEASURING AND TESTING | ALL | |
| Class | 116 | SIGNALS AND INDICATORS | ALL | |
| Class | 374 | THERMAL MEASURING AND TESTING | ALL | |
| Art Unit | 2856 | | | |
| ----- | | | | |
| Class | 177 | WEIGHING SCALES | ALL | |
| 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 | |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|---------------------------|-----------------------------|
| | | | From | To |
| Art Unit | 2859 | ----- | ----- | ----- |
| Class | 320 | ELECTRICITY: BATTERY OR CAPACITOR CHARGING OR DISCHARGING | ALL | |
| Class | 968 | HOROLOGY | FOR 000 | |
| 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 FOR 100 | 247 FOR 119 |
| Class | 359 | OPTICAL: SYSTEMS AND ELEMENTS | 1 350 462 599 618 FOR 100 | 324 442 590 615 904 FOR 150 |
| Art Unit | 2874 | ----- | | |
| Class | 359 | OPTICAL: SYSTEMS AND ELEMENTS | 325 | 332 |
| Art Unit | 2875 | ----- | | |
| Class | 362 | ILLUMINATION | ALL | |
| Art Unit | 2876 | ----- | | |
| Class | 235 | REGISTERS | ALL | |
| Class | 902 | ELECTRONIC FUNDS TRANSFER | ALL | |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|---|-----------------|---------|
| | | | From | To |
| 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 |
| Class | 352 | OPTICS: MOTION PICTURES | DIG 1 | DIG 2 |
| | | | ALL | |
| 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 TECHNIQUES, E.G., SCANNING PROBE MICROSCOPY [SPM] | ALL | |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|---|---|
| | | | From | To |
| 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 | 252.1 301 308 328 458.1 580 909 | 271 395 488.1 591 910 |
| Class | 378 | X-RAY OR GAMMA RAY SYSTEMS OR DEVICES | ALL | |
| 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 |

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

Generated by: Production Data Control Section

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

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|---|-----------------|-------|
| | | | From | To |
| 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 |

Generated by: Production Data Control Section

| | | 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 |
| | | | 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 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|--|-----------------|-------|
| | | | From | To |
| 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 | |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|--|-----------------|---------|
| | | | From | To |
| Art Unit | 3611 | ----- | ----- | ----- |
| Class | 180 | MOTOR VEHICLES | 116 | 164 |
| | | | 182 | 207.3 |
| | | | 218 | 231 |
| | | | 233 | 267 |
| | | | 36 | 40 |
| | | | 400 | 908 |
| | | | 6.2 | 19.3 |
| Class | 280 | LAND VEHICLES | 1 | 1.5 |
| | | | 200 | 515 |
| | | | 28.5 | 29 |
| | | | 3 | 5.32 |
| | | | 7 | |
| | | | 827 | 839 |
| | | | 900 | DIG 14 |
| | | | FOR 100 | 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 | 15.88 |
| | | | 388.0P S | |
| | | | 492 | 500 |
| 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: Production Data Control Section

| | | 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 | |

Generated by: Production Data Control Section

| | | 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 | 14.73 |
| | | | FOR 107 | |
| Art Unit | 3623 | | | |
| Class | 705 | DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION | 7.11 | 7.42 |
| | | | FOR 110 | FOR 114 |
| Art Unit | 3625 | | | |
| Class | 705 | DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION | 26.1 | 27.2 |
| | | | FOR 108 | FOR 109 |

Generated by: Production Data Control Section

| | | 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 | |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|---|-----------------|-------|
| | | | From | To |
| Art Unit | 3633 | ----- | ----- | ----- |
| Class | 5 | BEDS | 901 | 911 |
| Class | 52 | STATIC STRUCTURES (E.G., BUILDINGS) | ALL | |
| 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 | 312 | SUPPORTS: CABINET STRUCTURE | ALL | |
| Art Unit | 3638 | ----- | | |
| Class | 40 | CARD, PICTURE, OR SIGN EXHIBITING | ALL | |

Generated by: Production Data Control Section

| | | 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 | 3 |
| Class | 244 | AERONAUTICS AND ASTRONAUTICS | 54 3.13 | 77 |
| 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 | 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 |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|--|---------------------------------|
| | | | 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 | 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 | 271 | SHEET FEEDING OR DELIVERING | ALL | |
| Class | 453 | COIN HANDLING | ALL | |
| 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 | 192 | 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 | |
| Class | 701 | DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION | 51 | 69 |
| 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 | 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 | FRICITION GEAR TRANSMISSION SYSTEMS OR COMPONENTS | ALL | |
| Art Unit | 3661 | | | |
| Class | 701 | DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION | 1 116 70 | 50 FOR 133 100 |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|------------------------|---------------------------------|
| | | | From | To |
| 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 |
| 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 | 316 369 50 72 | 334.4 FOR 101 70 244.1 |
| Class | 175 | BORING OR PENETRATING THE EARTH | 1 11 73 | 4.6 62 FOR 000 |
| 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 |

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| | | | Subclass Ranges | |
|-------------|------|---|-----------------|---------|
| Class Title | | | From | To |
| Art Unit | 3673 | ----- | | |
| ----- | | | | |
| Class | 5 | BEDS | 1 | 900 |
| | | | 902 | 910 |
| Class | 70 | LOCKS | 913 | FOR 000 |
| | | | ALL | |
| Class | 109 | SAFES, BANK PROTECTION, OR A RELATED DEVICE | ALL | |
| Class | 249 | STATIC MOLDS | FOR 000 | |
| Art Unit | 3674 | ----- | | |
| ----- | | | | |
| Class | 166 | WELLS | 245 | 249 |
| | | | 250.12 | |
| | | | 256 | 263 |
| | | | 268 | 269 |
| | | | 270.1 | 276 |
| | | | 279 | 296 |
| | | | 300 | |
| | | | 304 | 307 |
| Class | 175 | BORING OR PENETRATING THE EARTH | 308.2 | 310 |
| | | | 65 | 72 |
| Art Unit | 3675 | ----- | | |
| ----- | | | | |
| Class | 277 | SEAL FOR A JOINT OR JUNCTURE | ALL | |
| Class | 292 | CLOSURE FASTENERS | ALL | |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|-----------------|---------|
| | | | From | To |
| Art Unit | 3676 | | | |
| ----- | | | | |
| Class | 166 | WELLS | 250.01 | 250.11 |
| | | | 250.13 | 255.3 |
| | | | 264 | 267 |
| | | | 270 | |
| | | | 277 | 278 |
| | | | 297 | 299 |
| | | | 301 | 303 |
| | | | 308.1 | |
| | | | 311 | 313 |
| | | | 71 | |
| Class | 175 | BORING OR PENETRATING THE EARTH | 64 | |
| 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 | 166 | WELLS | 335 | 368 |
| Class | 175 | BORING OR PENETRATING THE EARTH | 5 | 10 |
| Class | 405 | HYDRAULIC AND EARTH ENGINEERING | 1 | 303 |

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| | | 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 | 3685 | ----- | | |
| Class | 705 | DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION | 12 50 901 FOR 124 | 79 FOR 106 |
| Art Unit | 3689 | ----- | | |
| Class | 705 | DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION | 1.1 329 342 80 | 348 318 |
| Art Unit | 3693 | ----- | | |
| Class | 705 | DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION | 31 35 4 | 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 | 472 | AMUSEMENT DEVICES | ALL | |
| Class | 473 | GAMES USING TANGIBLE PROJECTILE | ALL | |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|--------------------|-------------|
| | | | From | To |
| Art Unit | 3714 | ----- | ----- | ----- |
| Class | 446 | AMUSEMENT DEVICES: TOYS | FOR 000 | |
| Class | 463 | AMUSEMENT DEVICES: GAMES | ALL | |
| Class | 700 | DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS | 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 | |
| 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 | |

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| | | 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 | 213.1 243.53 | 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 | |
| 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 | |

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| Art Unit | Class | Class Title | Subclass Ranges | |
|----------|-------|--|-----------------|---------|
| | | | From | To |
| 3725 | 29 | METAL WORKING | 243.518 | 243.529 |
| | 59 | CHAIN, STAPLE, AND HORSESHOE MAKING | ALL | |
| | 72 | METAL DEFORMING | ALL | |
| | 79 | BUTTON MAKING | ALL | |
| | 100 | PRESSES | ALL | |
| | 140 | WIREWOKING | ALL | |
| | 144 | WOODWORKING | ALL | |
| | 147 | COOPERING | ALL | |
| | 163 | NEEDLE AND PIN MAKING | ALL | |
| | 241 | SOLID MATERIAL COMMUNITION OR DISINTEGRATION | ALL | |
| | 281 | BOOKS, STRIPS, AND LEAVES | ALL | |
| | 283 | PRINTED MATTER | ALL | |
| | 402 | BINDER DEVICE RELEASABLY ENGAGING APERTURE OR NOTCH OF SHEET | ALL | |
| | 412 | BOOKBINDING: PROCESS AND APPARATUS | ALL | |
| | 413 | SHEET METAL CONTAINER MAKING | ALL | |
| | 462 | BOOKS, STRIPS, AND LEAVES FOR MANIFOLDING | ALL | |
| | 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 | .5 | 6.1 |
| | | | 14 | 277 |
| | | | 300 | 315.11 |
| | | | 315.9 | 500 |
| | | | 521 | 521.1 |
| | | | 521.2 | 833 |
| 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 | |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|--|-------------------------------|
| | | | From | To |
| Art Unit | 3731 | ----- | ----- | ----- |
| 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 23.72 23.74 6.12 | 1.12 |
| Art Unit | 3732 | ----- | | |
| Class | 433 | DENTISTRY | ALL | |
| Art Unit | 3733 | ----- | | |
| Class | 600 | SURGERY | 185 | 249 |
| Class | 606 | SURGERY | 103 246 53 86 A 900 914 | 279 68 |
| Class | 623 | PROSTHESIS (I.E., ARTIFICIAL BODY MEMBERS), PARTS THEREOF, OR AIDS AND ACCESSORIES THEREFOR | FOR 100 17.11 | FOR 103 17.16 |
| Art Unit | 3735 | ----- | | |
| Class | 128 | SURGERY | 897 899 | |
| Class | 351 | OPTICS: EYE EXAMINING, VISION TESTING AND CORRECTING | FOR 000 | |
| Class | 600 | SURGERY | 1 19 302 481 529 | 15 41 371 507 545 |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|--|--|
| | | | From | To |
| Art Unit | 3736 | ----- | ----- | ----- |
| Class | 600 | SURGERY | 398 546 | 406 595 |
| Art Unit | 3737 | ----- | | |
| Class | 128 | SURGERY | 915 920 | 916 925 |
| 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 1.24 17.17 2.12 23.73 23.75 6.13 | 1.22 2.1 23.71 6.11 FOR 119 16.11 |
| Art Unit | 3739 | ----- | | |
| 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 | 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 |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|---|-----------------|--------------|
| | | | From | To |
| 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 | |
| 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 | 325 532 | 494 594 |
| Class | 91 | MOTORS: EXPANSIBLE CHAMBER TYPE | 1 508 | 471 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 | |

Generated by: Production Data Control Section

| | | Class Title | Subclass Ranges | |
|----------|------|---|-----------------|----------|
| | | | From | To |
| Art Unit | 3746 | | | |
| Class | 91 | MOTORS: EXPANSIBLE CHAMBER TYPE | 472 | 507 |
| Class | 417 | PUMPS | FOR 000 | ALL |
| 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 |
| Class | 418 | ROTARY EXPANSIBLE CHAMBER DEVICES | FOR 000 | |
| | | | ALL | |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|---------------------|---------------------------|
| | | | From | To |
| 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 | |
| Art Unit | 3751 | ----- | | |
| Class | 4 | BATHS, CLOSETS, SINKS, AND SPITTOONS | FOR 000 | |
| Class | 141 | FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER COACTING MEANS | 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 | 251 | VALVES AND VALVE ACTUATION | ALL | |

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| | | Class Title | Subclass Ranges | |
|----------|------|--|-----------------|---------|
| | | | From | To |
| Art Unit | 3754 | | | |
| Class | 4 | BATHS, CLOSETS, SINKS, AND SPITTOONS | 111.1 | DIG 19 |
| Class | 138 | PIPES AND TUBULAR CONDUITS | ALL | |
| Class | 141 | FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER COACTING MEANS | 1 | DIG 2 |
| Class | 222 | DISPENSING | 1 | 589 |
| | | | 608 | 628 |
| | | | 630 | FOR 000 |
| Class | 401 | COATING IMPLEMENTS WITH MATERIAL SUPPLY | 1 | DIG 3 |
| 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 | 18 |
| | | | 289 | 416 |
| | | | 540 | 544 |
| | | | 904 | |
| | | | 921 | |
| | | | FOR 100 | FOR 104 |
| 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 | 19 | 288.04 |
| | | | 500 | 539 |
| | | | 890.1 | 903 |
| | | | 905 | 920 |
| | | | FOR 000 | |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|-----------------|-------|
| | | | From | To |
| Art Unit | 3764 | ----- | ----- | ----- |
| Class | 482 | EXERCISE DEVICES | ALL | |
| 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 | 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 |

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| | | | Subclass Ranges | |
|-------------|------|---|-----------------|---------|
| | | | From | To |
| Class Title | | | | |
| Art Unit | 3766 | ----- | ----- | ----- |
| Class | 600 | SURGERY | 16 | 18 |
| | | | 508 | 528 |
| Class | 607 | SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION | 1 | 76 |
| | | | 115 | 156 |
| Art Unit | 3769 | ----- | | |
| Class | 600 | SURGERY | 300 | 301 |
| 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 | 3775 | ----- | | |
| Class | 606 | SURGERY | 104 | 105.5 |
| | | | 280 | 331 |
| | | | 70 | 85 |
| | | | 86 B | 102 |
| | | | 902 | 913 |
| | | | 915 | 916 |

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| | | Class Title | Subclass Ranges | |
|----------|------|---|-------------------------------|---------------------|
| | | | From | To |
| Art Unit | 3776 | ----- | ----- | ----- |
| Class | 132 | TOILET | ALL | |
| Art Unit | 3779 | ----- | | |
| Class | 600 | SURGERY | 101 | 183 |
| 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 | 278 315.2 501 521.15 | 299 315.8 520 |
| Class | 215 | BOTTLES AND JARS | 8 ALL | 11 |
| Class | 217 | WOODEN RECEPTACLES | ALL | |
| Class | 220 | RECEPTACLES | 1.5 | FOR 130 |
| Art Unit | 3782 | ----- | | |
| Class | 224 | PACKAGE AND ARTICLE CARRIERS | ALL | |
| Class | 229 | ENVELOPES, WRAPPERS, AND PAPERBOARD BOXES | ALL | |
| Class | 383 | FLEXIBLE BAGS | ALL | |

