# CONCORDANCE - United States to International Patent Classification

| U.S. Subclass | IPC Subclass | IPC Notation |
|---|---|---|
| **U.S. CLASS 16--Con.** | | |
| 400 | E 05 F | 1 / 00 |
| 401 | E 05 F | 1 / 08 |
| 402 | A 47 B | 95 / 04 |
| | E 05 B | 17 / 00 |
| 403 | B 43 M | 9 / 00 |
| 404-446 | E 05 B | 1 / 00 |
| 404 | A 47 G | 1 / 10 |
| | E 05 B | 5 / 00 |
| | E 05 B | 7 / 00 |
| | E 05 D | 11 / 00 |
| | E 05 D | 13 / 00 |
| | E 05 D | 9 / 00 |
| 405-446 | A 45 C | 13 / 22 |
| | A 45 C | 13 / 26 |
| | A 45 C | 3 / 00 |
| | A 45 C | 7 / 00 |
| | A 45 F | 5 / 10 |
| | A 47 J | 45 / 00 |
| | B 62 B | |
| 407 | B 65 D | 75 / 56 |
| 415-416 | A 47 B | 95 / 02 |
| 418-420 | A 47 B | 95 / 02 |
| 421 | B 25 G | 1 / 10 |
| 422 | B 25 G | 3 / 32 |
| 423 | H 01 M | 2 / 10 |
| 424 | A 61 G | 17 / 04 |
| 425 | A 47 J | 45 / 07 |
| 426 | B 25 G | 1 / 00 |
| 427 | B 25 G | 1 / 04 |
| 429 | B 25 G | 1 / 04 |
| 430-431 | B 25 G | 1 / 10 |
| 432 | F 16 K | 31 / 60 |
| 433 | A 47 J | 45 / 07 |
| 434 | A 47 J | 45 / 06 |
| 435 | A 47 J | 45 / 10 |
| 436 | B 25 G | 1 / 10 |
| 437 | B 62 D | 51 / 00 |
| 439 | A 47 B | 95 / 02 |
| 440 | A 63 C | 17 / 01 |
| 441 | G 05 G | 1 / 06 |
| 442 | A 47 H | 11 / 04 |
| 443 | A 47 B | 95 / 02 |
| 444 | H 01 M | 2 / 10 |
| 446 | A 47 J | 45 / 06 |
| **U.S. CLASS 19** TEXTILES: FIBER PREPARATION | | |
| .2-.26 | D 01 G | 31 / 00 |
| .23-.24 | D 01 G | 23 / 00 |
| .27-.64 | D 01 G | 37 / 00 |
| .27 | D 01 B | 1 / 48 |
| | D 06 F | 58 / 00 |
| .3-.64 | D 01 G | 1 / 00 |
| 1 | D 01 B | 1 / 00 |
| 2 | D 01 B | 3 / 00 |
| 3 | D 01 B | 7 / 00 |
| 4 | D 01 B | 3 / 00 |
| 5A-5R | D 01 B | 1 / 14 |
| | D 01 B | 9 / 00 |
| 5A | D 01 B | 1 / 32 |
| | | 1 / 10 |
| 7 | D 01 B | 3 / 04 |
| 33 | D 01 B | 1 / 28 |
| 34-39 | D 01 B | 1 / 10 |
| 39-42 | D 01 B | 1 / 04 |
| 43-47 | D 01 B | 1 / 06 |
| 48A-48R | D 01 B | 1 / 04 |
| | | 1 / 06 |
| 48R | D 01 B | 1 / 08 |
| | | 1 / 08 |
| 64.5 | D 01 B | 1 / 04 |
| | D 01 B | 1 / 32 |
| 65A | D 01 G | 21 / 00 |
| 65CR | D 01 B | 1 / 22 |
| | D 01 G | 15 / 96 |
| 65R | B 68 G | 3 / 00 |
| | D 01 G | 5 / 00 |
| | D 01 G | 9 / 00 |
| 65T | D 01 B | 1 / 24 |
| | | 37 / 00 |
| 66CC | D 01 B | 9 / 00 |
| 66R | D 01 G | 29 / 00 |
| | D 01 G | 37 / 00 |
| | D 01 H | 13 / 30 |
| 66T | D 01 B | 1 / 24 |
| 66.1 | D 02 G | 1 / 00 |
| | D 04 G | 1 / 06 |
| 66.2 | D 02 G | 1 / 14 |
| | | 1 / 00 |
| 80R | D 01 G | 7 / 00 |
| | D 01 G | 9 / 00 |
| 98 | D 01 G | 15 / 00 |
| 99-104 | D 01 G | 15 / 02 |
| 105 | D 01 G | 15 / 40 |
| 106A | D 01 G | 15 / 48 |
| 106R | D 01 G | 15 / 36 |
| | D 01 G | 15 / 46 |
| | D 01 G | 31 / 00 |
| 107-111 | D 01 G | 15 / 76 |
| 112-113 | D 01 G | 15 / 12 |
| 114 | D 01 G | 15 / 84 |
| 115A-129A | D 01 G | 19 / 00 |
| 115A | D 01 G | 19 / 18 |
| 115B | D 01 G | 19 / 22 |
| 129R | D 01 H | 5 / 04 |
| | D 01 H | 5 / 06 |
| | D 01 H | 5 / 14 |
| 144-145.7 | D 01 G | 13 / 00 |
| 144 | D 01 G | 25 / 00 |
| | D 01 G | 27 / 00 |
| 148-153 | D 01 G | 25 / 00 |
| | D 01 G | 27 / 00 |
| 157-160 | D 04 H | 11 / 00 |
| 161.1-163 | D 01 G | 25 / 00 |
| | D 04 H | |
| 200-205 | D 01 B | 3 / 00 |
| 200 | D 02 J | 7 / 00 |
| 215 | D 01 G | 19 / 00 |
| 216-217 | D 01 G | 19 / 02 |
| 218 | D 01 G | 19 / 22 |
| 219 | D 01 G | 19 / 00 |
| 220-224 | D 01 G | 19 / 04 |
| 225-228 | D 01 G | 19 / 16 |
| 229-230 | D 01 G | 19 / 14 |
| 231-232 | D 01 G | 19 / 18 |
| 231-234 | D 01 G | 19 / 04 |
| 235 | D 01 G | 19 / 16 |
| 236 | D 01 H | 5 / 00 |
| 237-241 | D 01 H | 5 / 32 |
| 242-243 | D 01 H | 5 / 00 |
| 244-256 | D 01 H | 5 / 86 |
| 245 | D 01 H | 5 / 60 |
| 257 | D 01 H | 5 / 00 |
| 258-261 | D 01 H | 5 / 74 |
| 262-265 | D 01 H | 5 / 60 |
| 266-268 | D 01 H | 5 / 46 |
| 269 | D 01 H | 5 / 48 |
| 270-271 | D 01 H | 5 / 46 |
| 272 | D 01 H | 5 / 52 |
| | D 01 H | 5 / 54 |
| 273-274 | D 01 H | 5 / 46 |
| 275-276 | D 01 H | 5 / 48 |
| 277 | D 01 H | 5 / 50 |
| 278 | D 01 H | 5 / 46 |
| 279-282 | D 01 H | 5 / 50 |
| 283 | D 01 H | 5 / 48 |
| 284-285 | D 01 H | 5 / 46 |
| 286-292 | D 01 H | 5 / 72 |
| | D 01 H | 5 / 74 |
| 293 | D 01 H | 5 / 18 |
| 294-295 | D 01 H | 5 / 56 |
| 296-308 | D 01 G | 25 / 00 |
| | D 01 G | 27 / 00 |
| **U.S. CLASS 23** CHEMISTRY: PHYSICAL PROCESSES | | |
| 293A | B 01 J | 35 / 10 |
| | C 01 F | 7 / 02 |
| | C 04 B | 35 / 626 |
| 293R | B 01 J | |
| | C 01 B | 15 / 013 |
| | C 01 B | 25 / 02 |
| | C 09 C | 1 / 56 |
| 293S | B 01 J | 6 / 00 |
| | C 01 B | 17 / 02 |
| | C 01 B | 17 / 027 |
| 294R | B 01 D | 7 / 00 |
| | B 01 D | 7 / 02 |
| 294S | C 01 B | 17 / 02 |
| | C 01 B | 17 / 027 |
| 295G | B 01 J | 13 / 00 |
| | | 9 / 00 |
| 295R | C 13 K | 1 / 10 |
| 295S | C 01 D | 3 / 06 |
| | C 01 D | 5 / 00 |
| 298 | C 13 K | 1 / 10 |
| 299 | B 01 D | 11 / 00 |
| 300 | C 30 B | |
| 301 | C 30 B | 17 / 00 |
| 302A | B 01 D | 9 / 00 |
| | C 01 B | 11 / 18 |
| | C 01 C | 1 / 24 |
| 302R-302T | C 01 D | 7 / 24 |
| 302R | C 01 D | 1 / 30 |
| | C 01 D | 3 / 24 |
| | C 01 D | 7 / 40 |
| 302T | C 01 D | 5 / 00 |
| | C 01 D | 7 / 12 |
| 303 | C 01 D | 1 / 30 |
| | C 01 D | 3 / 00 |
| 304 | C 01 F | 11 / 44 |
| | C 01 F | 5 / 34 |
| 305A | C 01 F | 7 / 02 |
| | C 01 F | 7 / 14 |
| | C 01 F | 7 / 47 |
| 305F | B 01 D | 9 / 00 |
| | C 01 G | 49 / 14 |
| | C 23 G | 1 / 36 |
| 305R | C 01 F | 7 / 34 |
| | C 22 B | 13 / 00 |
| 305RE | C 09 K | 11 / 77 |
| | G 21 K | 4 / 00 |
| 306 | B 01 D | 1 / 00 |
| | B 01 D | 1 / 30 |
| | B 01 D | 11 / 04 |
| | C 10 G | 21 / 00 |
| 307 | B 01 D | 1 / 02 |
| | B 01 D | 1 / 22 |
| 308R | B 01 J | 6 / 00 |
| | C 01 F | 11 / 32 |
| 308S | C 01 B | 17 / 02 |
| | C 01 B | 17 / 033 |
| 313AS-313FB | B 01 J | 2 / 16 |
| 313AS | C 01 B | 33 / 32 |
| | C 11 D | 3 / 08 |
| 313FB | C 05 C | 9 / 00 |
| | F 26 B | 3 / 08 |
| 313P | B 01 J | 2 / 14 |
| | B 01 J | 2 / 28 |
| | B 01 J | 20 / 18 |
| 313R | C 05 B | 19 / 00 |
| | C 22 B | 1 / 14 |
| 314 | C 01 B | 31 / 14 |
| | C 09 C | 1 / 58 |
| | C 09 C | 1 / 60 |
| **U.S. CLASS 24** BUCKLES, BUTTONS, CLASPS, ETC. | | |
| 1 | A 44 B | 21 / 00 |
| 2 | B 42 D | 3 / 10 |
| 2.5 | F 41 C | 23 / 00 |
| 3.1-3.7 | A 45 F | 5 / 00 |
| 3.1-4 | A 44 B | 21 / 00 |
| 3.6 | A 44 B | 15 / 00 |
| 4 | A 45 F | 5 / 02 |
| 5-6 | A 45 F | 5 / 08 |
| 7-9 | A 45 F | 5 / 04 |
| | | 25 / 00 |
| 13-15 | A 44 B | 21 / 00 |
| 13 | A 45 F | 5 / 02 |
| 15 | A 41 F | 17 / 00 |
| | | 63 / 00 |
| | | 67 / 02 |
| 16R-20R | F 16 L | 33 / 00 |
| 20CW | F 16 B | 2 / 08 |
| | F 16 L | 33 / 025 |
| | F 16 L | 33 / 035 |
| 20EE | B 65 D | 63 / 02 |
| | B 65 D | 63 / 04 |
| | B 65 D | 63 / 06 |
| 20LS | B 25 B | 31 / 00 |
| | F 16 B | 7 / 08 |
| | F 16 L | 33 / 02 |
| 20R | B 65 D | 63 / 02 |
| | F 16 L | 33 / 22 |
| 20S | B 65 D | 63 / 10 |
| | F 16 L | 33 / 02 |
| | F 16 L | 33 / 03 |
| 20TT | F 16 B | 2 / 08 |
| | F 16 L | 33 / 025 |
| | F 16 L | 33 / 035 |
| 20W | B 65 D | 63 / 04 |
| | B 65 D | 63 / 06 |
| 21-24 | B 65 D | 63 / 06 |
| 21-30 | F 16 L | 33 / 00 |
| 25 | B 65 D | 63 / 08 |
| 26 | B 65 D | 63 / 06 |
| 27-30 | B 65 D | 63 / 10 |
| 30.5L-30.5S | B 65 D | 33 / 16 |
| 30.5L | A 22 C | 15 / 00 |
| | F 16 G | 11 / 04 |
| 30.5P-30.5R | B 65 D | 77 / 18 |
| 30.5P | B 65 D | 63 / 10 |
| 30.5R | B 65 D | 33 / 25 |
| 30.5S | A 01 G | 13 / 04 |
| | B 25 H | 3 / 04 |
| 30.5T | B 65 D | 63 / 10 |
| | B 65 D | 63 / 12 |
| | B 65 D | 77 / 18 |
| 30.5W | A 22 C | 11 / 12 |
| | B 65 B | 51 / 04 |
| | B 65 D | 33 / 16 |
| 31B-31C | F 16 G | 11 / 08 |
| | F 16 G | 7 / 00 |
| 31B | F 16 G | 3 / 08 |
| 31C-31R | F 16 G | 3 / 00 |
| 31F | A 01 D | 17 / 10 |
| | F 16 G | 3 / 06 |
| 31H | D 21 F | 7 / 10 |
| | F 16 G | 3 / 04 |
| 31L-31R | F 16 G | 7 / 00 |
| 31L | F 16 G | 3 / 08 |
| 31V | A 44 B | 18 / 00 |
| | B 01 D | 33 / 00 |
| | B 65 H | 21 / 00 |
| | | 7 / 00 |
| 31W-33B | F 16 G | 3 / 00 |
| 31W | F 16 G | 3 / 08 |
| 33B-33C | F 16 G | 3 / 02 |
| 33B | F 16 G | 7 / 00 |
| 33C | D 21 F | 7 / 10 |
| | F 16 G | 3 / 04 |
| 33F-33K | F 16 G | 3 / 00 |
| 33F | F 16 G | 3 / 06 |
| 33K | B 41 L | 9 / 08 |
| | D 21 F | 7 / 10 |
| 33M-33P | F 16 G | 7 / 00 |
| 33M-33R | F 16 G | 3 / 02 |
| 33M | A 44 B | 11 / 00 |
| 33P-33R | F 16 G | 3 / 04 |
| 33R | A 41 H | 37 / 06 |
| 33V | F 16 G | 11 / 00 |
| | F 16 G | 11 / 08 |
| | F 16 G | 7 / 00 |
| 34 | F 16 G | 3 / 10 |
| 35-36 | F 16 G | 3 / 00 |
| | F 16 G | 7 / 00 |
| 37 | F 16 G | 3 / 08 |
| 38-39 | F 16 G | 3 / 00 |
| | F 16 G | 7 / 00 |
| 40 | A 41 F | 1 / 02 |
| | A 43 C | 11 / 02 |
| | A 44 B | 1 / 18 |
| | A 47 G | 25 / 92 |
| 41.1-48 | A 41 B | 7 / 04 |
| | A 41 B | 7 / 06 |
| 42-48 | A 44 B | 5 / 00 |
| 49.1 | A 41 D | 25 / 00 |
| 50-55 | A 41 D | 25 / 04 |
| 56-57 | A 41 D | 25 / 02 |
| 56-65 | A 41 D | |
| 58 | A 44 B | 6 / 00 |
| 59-65 | A 44 B | 1 / 04 |
| | A 44 B | 11 / 25 |
| | A 44 B | 17 / 00 |
| 59 | A 41 D | 25 / 02 |
| 60 | A 41 D | 25 / 12 |
| 61 | A 44 B | 3 / 00 |
| 63 | A 44 B | 3 / 00 |
| 64-65 | A 41 D | 25 / 02 |
| 66.1-66.2 | A 41 D | 25 / 04 |
| 66.3 | A 41 D | 25 / 10 |
| | A 41 D | 25 / 12 |
| 66.4-66.6 | A 41 D | 25 / 04 |
| 66.7 | A 41 D | 25 / 16 |
| 66.8-66.9 | A 41 D | 25 / 04 |
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| | | 1 / 04 |
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| 67.9 | B 42 F | 1 / 02 |
| | | 11 / 00 |
| | | 21 / 00 |
| 72.1-89 | A 44 B | 1 / 04 |
| | A 44 B | 11 / 25 |
| | A 44 B | 17 / 00 |
| 72.1 | A 41 F | 17 / 02 |
| | A 41 F | 17 / 04 |
| 72.5 | A 47 C | 21 / 02 |
| 72.7 | B 44 D | 3 / 18 |
| 89 | A 44 B | 1 / 18 |
| 90.1-113 | A 44 B | 11 / 25 |
| | A 44 B | 17 / 00 |
| 90.1 | A 44 B | 1 / 00 |
| 90.5-91 | A 44 B | 1 / 04 |
| | A 44 B | 1 / 18 |
| 92-93 | A 44 B | 1 / 00 |
| 94-112 | A 44 B | 1 / 04 |
| 94-96 | A 44 B | 1 / 42 |
| 97-103 | A 44 B | 1 / 18 |
| 104 | A 44 B | 1 / 28 |
| 105 | A 44 B | 1 / 30 |
| 106-110 | A 44 B | 1 / 38 |
| 111-112 | A 44 B | 1 / 18 |
| | | 1 / 04 |
| 113MP | A 44 B | 1 / 08 |
| | A 44 B | 1 / 14 |
| 113R | A 44 B | 1 / 00 |
| 114 | A 44 B | 1 / 16 |
| | A 44 B | 11 / 25 |
| | A 44 B | 17 / 00 |
| 114.05 | A 44 B | 1 / 32 |
| | A 44 B | 1 / 34 |
| 114.1 | A 44 B | 1 / 02 |
| 114.11 | A 44 B | 3 / 00 |
| 114.12 | A 44 B | 1 / 12 |
| 114.2 | A 44 B | 3 / 04 |
| 114.3 | A 44 B | 1 / 18 |
| 114.4 | A 44 B | 1 / 32 |
| | A 44 B | 1 / 34 |
| 114.5 | A 44 B | 1 / 04 |
| | A 44 B | 11 / 25 |
| | A 44 B | 17 / 00 |
| | F 16 G | 11 / 00 |
| 114.6 | A 44 B | 1 / 42 |
| 114.7 | A 44 B | 1 / 20 |
| | A 44 B | 1 / 22 |
| 114.8 | A 44 B | 1 / 24 |
| 114.9 | A 44 B | 1 / 04 |
| 115A-115K | F 16 G | 11 / 00 |
| 115A | F 16 G | 11 / 02 |
| | F 16 G | 11 / 04 |
| 115F-115H | F 16 G | 11 / 10 |
| 115F | A 44 B | 11 / 25 |
| 115G | F 16 G | 11 / 04 |
| 115H | F 16 G | 11 / 14 |
| 115J | B 60 P | 7 / 08 |
| | H 02 G | 7 / 05 |
| 115K | E 04 H | 12 / 20 |
| | E 04 H | 15 / 64 |
| 115L-115M | F 16 G | 11 / 10 |
| 115L | B 63 B | 21 / 08 |
| | F 16 G | 11 / 14 |
| 115M | E 04 C | 5 / 12 |
| | E 04 H | 15 / 64 |
| 115N-115R | F 16 G | 11 / 00 |
| 115N | F 16 L | 3 / 00 |
| | H 02 G | 7 / 05 |
| 115R | A 44 B | 1 / 04 |
| | A 44 B | 11 / 25 |
| | A 44 B | 17 / 00 |
| 116A | A 44 B | 15 / 00 |
| | A 44 C | 5 / 18 |
| | A 44 C | 5 / 20 |
| | | 1 / 04 |
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| | | 17 / 00 |
| 116R | F 16 G | 15 / 00 |
| 127-133 | F 16 G | 11 / 00 |
| 134KB | B 63 B | 21 / 08 |
| | E 06 B | 9 / 324 |
| | F 16 G | 11 / 10 |
| 134L-134R | F 16 G | 11 / 10 |
| 134L | B 25 B | 7 / 00 |
| | D 06 F | 53 / 00 |
| 134N | B 66 D | 3 / 02 |
| | F 16 G | 3 / 00 |
| 134P-134KA | D 06 F | 53 / 00 |
| 134P | D 06 F | 53 / 04 |
| 134R | A 62 B | 35 / 04 |
| 135A | E 21 B | 19 / 02 |
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| 135K | E 21 B | 19 / 08 |
| | E 21 B | 19 / 12 |
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| 135L-135N | H 02 G | 7 / 05 |
| 135L | F 16 G | 11 / 00 |
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| 135N | E 21 B | 19 / 12 |
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| 135R | A 44 B | 1 / 04 |
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| | A 44 B | 17 / 00 |