

Statistical mapping of USPC to CPC for Class 228

USPC Subclass	Most statistically relevant CPC groups
228/101	B 23K 2201/34, B 82Y 10/00, A 47J 36/02, A 61F 2/30767, A 61F 2/3094
228/102	H 01L 24/78, H 01L 24/85, H 01L 2224/78301, H 01L 2924/01039, H 01L 2224/85205
228/103	H 01L 24/85, B 23K 2201/40, H 01L 2924/14, H 01L 24/78, B 23K 31/12
228/104	H 01L 24/85, H 01L 24/78, B 23K 31/12, H 01L 2224/48091, H 01L 2224/78301
228/105	H 01L 21/67144, H 01L 24/78, B 23K 2201/42, H 01L 21/681, H 01L 2224/78301
228/106	H 01L 21/67144, H 01L 24/80, H 01L 24/75, H 01L 24/83, H 01L 2924/01014
228/107	B 23K 20/08, B 23K 20/085, B 21D 39/042, B 21D 26/08, B 21D 39/066
228/108	B 23K 20/08, B 23K 20/085, B 21D 26/08, H 01L 24/80, H 01L 2924/01078
228/109	B 23K 20/085, B 23K 20/08, B 23K 1/0006, B 23K 20/00, B 23K 20/165
228/110.1	B 23K 20/10, H 01L 2924/01079, H 01L 24/78, H 01L 24/85, H 01L 2224/85205
228/111	B 23K 20/10, H 01L 2924/01079, H 01L 2924/01013, H 01L 24/85, H 01L 2224/85205
228/111.5	B 23K 1/06, B 23K 2201/40, H 05K 2203/0285, B 23K 1/0012, B 23K 20/10
228/112.1	B 23K 20/122, B 23K 20/129, B 23K 20/126, B 23K 20/123, B 23K 20/1255
228/113	B 23K 20/12, B 23K 20/129, B 23K 20/121, B 23K 20/1205, B 23K 2201/001
228/114	B 23K 20/129, B 23K 20/12, B 23K 2201/06, B 23K 20/122, B 23K 2203/10
228/114.5	B 23K 20/129, B 23K 20/12, B 23K 20/121, B 23K 20/1295, B 29C 65/0672

228/115	B 23K 20/02, B 23K 20/06, B 23K 20/028, H 01L 2924/01079, B 23K 2201/06
228/116	B 23K 20/24, B 23K 20/02, B 23K 20/04, B 23K 20/16, B 23K 35/001
228/117	B 23K 20/04, B 23K 20/2275, B 32B 15/01, B 21D 53/045, B 23K 20/233
228/118	B 21D 53/045, B 23K 20/18, B 23K 20/04, B 23K 35/224, B 21D 47/00
228/119	B 23P 6/007, F 01D 5/005, B 23K 2201/001, B 23P 6/005, B 23K 1/0018
228/120	C 04B 37/026, C 04B 2237/343, B 23K 31/02, B 28B 23/0018, C 04B 37/025
228/121	C 04B 37/006, C 04B 37/026, C 04B 2237/122, C 04B 2237/343, C 04B 2237/708
228/122.1	C 04B 37/026, C 04B 2237/708, C 04B 2237/125, C 04B 2237/343, C 04B 2237/72
228/123.1	H 01L 2924/01079, H 01L 24/83, H 01L 2224/8319, H 01L 2924/01029, H 01L 2224/83801
228/124.1	C 04B 37/026, C 04B 2237/125, C 04B 2237/122, C 04B 2237/343, C 04B 2237/708
228/124.5	C 04B 37/026, C 04B 2237/125, C 04B 2237/403, C 04B 2237/708, C 04B 2237/122
228/124.6	C 04B 37/026, C 04B 2237/343, H 01L 21/50, C 04B 2237/72, C 04B 2237/76
228/124.7	C 04B 37/026, C 04B 2237/123, C 04B 2237/125, C 04B 2237/365, C 04B 2237/405
228/125	H 05K 3/3468, B 23K 37/08, B 21C 37/0811, B 21B 15/0085, B 23K 5/006
228/126	B 23K 20/233, G 21C 21/10, B 21C 23/22, B 21C 37/154, B 22F 7/06
228/127	B 23K 20/00, B 21C 37/154, B 23K 20/001, B 23K 35/004, G 21C 21/02
228/128	B 01J 19/0053, B 01J 19/02, B 01J 2219/0236, B 01J 2219/0281, B 21C 37/154
228/129	B 01J 3/048, B 21C 1/22, B 21C 37/0815, B 21D

	51/24, B 21D 51/52
228/130	B 21C 37/09, B 23K 20/04, B 21C 37/042, B 21F 19/00, B 23K 20/2333
228/131	B 23K 20/001, B 21C 37/154, Y 02E 30/40, B 21C 23/22, B 23K 31/027
228/132	B 23K 1/0008, B 23K 20/001, B 23K 20/04, Y 02E 30/40, B 23K 1/19
228/133	F 16L 13/08, B 23K 1/00, B 23K 1/0008, B 23K 1/008, B 23K 1/20
228/134	B 23K 1/18, B 23K 1/19, B 23K 35/262, B 23K 35/3611, B 60B 1/00
228/135	B 23K 33/006, B 23K 1/0008, B 23K 1/20, B 23K 31/02, B 23K 33/00
228/136	B 21D 39/03, B 23K 1/0012, B 21D 39/04, B 21D 53/16, B 21J 15/08
228/137	B 21C 37/08, B 21C 37/205, B 21D 51/26, B 21D 51/28, B 21C 37/083
228/138	B 23K 1/0012, B 23P 11/00, B 23P 11/02, F 28D 1/0478, A 45D 44/00
228/139	B 02C 13/28, B 21B 1/026, B 21C 37/087, B 21C 37/101, B 21D 53/74
228/140	F 27D 1/002, F 27B 3/12, B 23B 51/0473, B 23K 1/0008, B 23K 1/002
228/141.1	B 21B 15/0085, B 02C 17/02, B 02C 17/18, B 21B 2015/0014, B 21C 37/0803
228/142	B 21D 53/74, B 21D 11/203, B 21D 51/52, B 21D 53/00, B 21K 7/02
228/143	B 21C 37/09, B 21C 37/06, B 21C 37/154, B 21D 51/24, B 21C 37/123
228/144	B 21C 37/08, B 21D 53/90, B 21C 37/0815, B 21C 37/083, B 21D 53/00
228/145	B 21C 37/122, B 21C 37/12, B 21C 37/124, B 23K 9/0325, B 23K 2201/06
228/146	B 21C 37/083, B 21C 37/0803, B 21C 37/08, B 60R 19/18, B 21C 37/0822

228/147	B 21C 37/08, B 21C 37/083, B 21C 37/0807, B 21C 37/09, B 21C 37/0822
228/148	G 02B 6/4488, B 21C 37/08, B 21C 37/09, B 23K 9/0253, B 23K 35/406
228/149	B 21B 15/0085, B 21C 47/247, B 21D 7/028, B 21D 51/2676, B 21D 53/12
228/150	B 21C 37/08, B 21C 37/151, A 47C 3/023, B 21C 37/0803, B 21C 37/0807
228/151	B 21C 37/0815, B 21C 37/08, B 21C 37/0803, C 21D 9/50, B 21C 37/0807
228/152	B 21D 53/16, B 21C 37/0803, B 23P 15/00, A 61F 13/15577, A 61F 13/15731
228/153	B 21D 53/00, B 21C 37/0803, B 21D 5/08, B 21D 53/34, B 21D 53/90
228/154	B 23K 1/20, B 23K 2201/06, B 23K 33/006, F 16L 13/08, B 21C 37/292
228/155	H 01L 2924/14, H 01L 24/78, H 01L 24/85, H 01L 2224/48091, H 01L 2924/01027
228/156	A 61K 6/00, A 61K 6/09, A 61K 6/10, B 21C 1/24, B 21C 23/01
228/157	B 21D 26/055, B 23K 20/18, B 21D 47/00, B 21D 53/045, B 23K 20/023
228/158	B 21B 15/0085, B 23K 20/04, B 21B 1/26, B 21B 1/18, B 21B 1/22
228/159	H 01L 2924/01013, B 23K 20/021, B 23K 2201/001, B 23P 15/04, H 01L 24/11
228/160	F 16J 15/3288, B 23K 20/00, B 23K 20/04, B 23K 31/02, A 46D 3/05
228/161	B 23P 15/00, B 23P 15/007, B 29C 45/2725, H 01J 23/165, B 21D 51/40
228/162	F 16D 69/02, F 16D 69/0408, F 16D 2069/0441, F 16D 2069/0458, F 16D 2069/0483
228/163	B 23K 35/302
228/164	B 23K 1/18, B 23K 1/0008, B 23K 9/035, B 23K 33/00, B 23K 2201/06

228/165	B 23K 9/23, B 23K 31/02, B 23K 33/004, B 23K 1/20, B 23K 9/0026
228/166	B 23K 33/004, B 21C 37/126, B 23K 1/0008, B 23K 1/0012, B 23K 9/025
228/167	B 21K 25/00, B 23K 1/0008, B 23K 5/006, B 23K 9/028, B 23K 33/00
228/168	B 23K 33/004, B 23K 9/0282, B 23K 2201/06, B 23K 1/18, B 21C 37/28
228/169	B 21C 37/283, B 21D 51/08, B 23K 1/00, B 23K 9/0026, B 23K 9/0282
228/170	B 21D 53/90, B 23K 20/04, B 23P 15/00, F 16D 65/04, F 16D 65/067
228/171	B 21B 15/0085, B 21C 47/247, B 23K 33/008, B 65D 88/04, B 21B 15/0007
228/172	B 23K 20/04, B 23K 20/227, B 23K 20/2333, B 21D 53/00, B 23K 1/19
228/173.1	H 05K 3/3405, H 05K 2201/10924, B 21D 53/00, B 21K 1/76, B 23K 1/00
228/173.2	B 23K 20/00, B 21D 26/055, B 23K 5/08, B 23K 20/02, B 21C 37/06
228/173.3	B 23K 1/20, B 21B 1/26, B 21B 15/0085, B 21K 1/063, B 21K 1/12
228/173.4	B 23K 33/006, B 23K 2201/06, B 23K 31/02, B 62K 19/20, F 16L 13/02
228/173.5	B 21C 37/047, B 23K 1/0008, B 23K 11/008, B 60M 5/00, G 01K 7/04
228/173.6	B 21D 53/00, B 23K 9/0026, A 44C 27/00, B 21D 51/24, A 44C 9/00
228/173.7	B 21C 37/26, B 21C 37/08, B 23K 9/0325, B 01J 35/04, B 21C 37/042
228/174	B 23P 15/007, B 23K 1/0008, B 23K 20/24, B 29C 45/2725, B 29C 45/7312
228/265	B 23K 20/02, B 21D 26/055, B 23K 20/00, B 23K 20/028, B 23K 20/14
228/175	H 05K 3/305, H 01L 2924/01029, H 01L

	2924/01079, H 01L 2924/14, B 23K 20/04
228/176	F 01N 13/16, F 01N 13/18, F 01N 2450/22, F 01N 2530/26, B 05B 7/226
228/177	H 01L 24/26, H 01L 24/83, H 01L 2224/8319, H 01L 2924/14, H 01L 23/5328
228/178	B 23K 1/19, B 23K 11/20, B 23K 31/02, A 61F 2/3094, B 23K 11/166
228/179.1	H 01L 2924/01079, H 01L 2924/14, H 01L 2924/01078, H 01L 2924/01013, H 01L 2924/01029
228/180.1	H 05K 3/3468, H 05K 3/3447, B 23K 2201/42, B 23K 3/0653, B 23K 1/085
228/180.21	B 23K 2201/42, B 23K 2201/40, H 01L 2924/01079, H 05K 3/3494, H 01L 2924/14
228/180.22	H 05K 3/3436, H 01L 24/81, H 01L 2924/14, H 01L 2924/01079, H 01L 2224/81801
228/180.5	H 01L 24/85, H 01L 24/78, H 01L 2224/78301, H 01L 2224/48091, H 01L 24/45
228/181	B 23K 1/0014, B 21D 47/00, B 23K 2201/02, F 01N 3/281, B 01J 35/04
228/182	B 23K 1/0008, B 23K 31/02, B 23P 2700/50, B 62D 65/02, B 21D 53/00
228/183	B 23K 1/0012, B 23K 2201/14, F 28F 9/18, F 28F 21/084, B 23K 2203/10
228/184	B 21D 51/24, B 23K 2201/12, B 23K 31/02, B 23K 5/006, B 01J 3/002
228/185	B 21D 53/00, B 23K 1/0012, B 23K 1/008, B 23K 20/04, B 07B 1/18
228/186	B 23K 20/04, B 21C 29/006, B 22F 2998/00, B 23K 20/001, B 23K 20/227
228/187	B 23K 31/025, A 47J 27/002, A 47J 41/028, A 61F 2/30907, A 61F 2/3094
228/188	B 23K 20/023, B 23K 35/001, B 23K 35/0244, B 32B 17/10036, B 32B 17/10055
228/189	B 23K 5/006, B 23K 9/035, F 16B 5/08, H 01L

	2924/01079, B 01D 29/15
228/190	C 22C 47/20, B 23K 20/04, C 22C 47/068, B 23K 20/2275, B 23K 20/227
228/191	B 23K 1/018, B 23K 2201/42, H 05K 13/0486, B 23K 3/0623, B 23K 2201/40
228/192	B 23K 2201/30, B 21L 11/005, B 23K 1/00, A 44C 5/185, A 44C 5/2014
228/193	B 23K 20/023, B 23K 20/233, B 23K 20/021, B 23K 20/00, B 23K 20/24
228/194	B 23K 20/16, B 23K 35/005, B 23K 35/004, B 23K 20/233, B 23K 20/023
228/195	B 23K 20/16, B 23K 35/005, B 23K 20/023, B 23K 35/0244, B 23K 35/26
228/196	B 23K 5/06, B 23K 5/00, B 23K 5/006, B 23K 5/22, B 23K 20/028
228/197	H 01L 24/11, H 01L 24/16, H 01L 2224/1147, H 01L 2224/11901, H 01L 2224/13099
228/198	B 23K 35/34, B 23K 1/19, B 23K 20/16, B 23K 35/327, B 23K 35/3603
228/199	B 23K 1/19, B 23K 35/3006, B 23K 35/005, B 23K 35/302, B 23K 35/38
228/200	B 23K 1/008, B 23K 20/233, H 05K 3/3494, H 05K 2203/081, H 05K 2203/1121
228/201	B 23K 1/085, H 05K 3/26, H 05K 3/3468, B 23K 35/262, B 23K 35/3603
228/202	B 23K 1/203, B 23K 20/227, B 23K 35/284, C 11D 7/24, C 11D 7/261
228/203	B 23K 20/24, B 23K 1/20, B 23K 20/023, B 23K 20/2336, B 23K 35/005
228/204	B 23K 1/00, B 23K 1/19, B 23K 26/246, B 23K 26/3206, B 23K 26/3293
228/205	B 23K 1/206, H 05K 3/3489, B 23K 35/002, B 23K 2201/40, H 01L 2924/01079
228/206	B 23K 35/38, B 23K 1/20, B 23K 35/004, H 05K 3/3489, B 23K 2201/40

228/207	H 05K 3/3489, B 23K 35/3605, B 23K 35/3612, B 23K 35/3603, B 23K 35/3618
228/208	B 23K 35/002, B 23K 35/001, B 23K 35/004, B 23K 1/20, B 23K 1/19
228/209	B 23K 35/004, C 23C 18/42, H 05K 3/244, B 23K 35/001, B 23K 35/007
228/210	B 23K 20/023, B 23K 20/16, B 23K 20/227, B 23K 2203/10, C 23C 24/106
228/211	B 23K 1/085, B 23K 1/20, B 23K 20/023, B 23K 35/002, B 23K 35/004
228/212	B 23K 3/087, B 23K 37/0426, B 23K 37/0531, B 23K 37/047, B 23K 2201/06
228/213	B 23K 37/047, B 23K 37/0531, B 23K 37/0533, B 23K 37/06, H 01R 43/02
228/214	H 01L 2924/14, B 23K 35/224, B 23K 35/226, B 23K 2201/36, H 01L 2924/01079
228/215	H 01L 2924/01078, H 01L 2924/01079, B 23K 1/20, B 23K 35/224, H 05K 3/3452
228/216	B 23K 9/035, B 23K 35/0255, B 23K 9/0356, B 23K 9/0282, B 23K 9/0358
228/217	B 23K 1/008, B 23K 1/19, B 23K 35/286, B 23K 20/16, B 23K 20/2336
228/218	B 23K 35/38, B 23K 1/19, A 44C 27/00, A 62C 3/06, B 23K 1/0012
228/219	B 23K 1/008, B 23K 35/38, B 23K 35/383, B 23K 1/085, B 23K 2201/42
228/220	B 23K 1/008, B 23K 35/38, B 23K 1/012, B 23K 1/20, B 23K 1/206
228/221	B 23K 1/008, B 23K 1/19, B 23K 35/286, B 23K 1/0014, B 23K 35/001
228/222	B 23K 37/003, B 23K 1/008, B 23K 1/0012, B 23K 1/0016, B 23K 9/0352
228/223	H 05K 3/3489, B 23K 35/3603, B 23K 35/3612, B 23K 1/203, B 23K 35/3618
228/224	B 23K 35/025, B 23K 35/0244, B 23K 35/3612, B

	23K 35/262, B 23K 35/3603
228/225	B 23K 9/0216, B 23K 9/048, B 23K 9/23, B 23K 35/004, B 23K 2201/40
228/226	B 23K 1/0016, B 23K 33/004, B 23K 9/23, B 23K 2201/001, B 23K 2201/42
228/227	B 22F 3/1137, B 22F 7/002, B 22F 2999/00, B 23K 1/0008, B 23K 1/0012
228/228	B 23K 2201/40, B 23K 3/0623, B 23K 20/04, H 01L 24/81, H 01L 24/75
228/229	B 23K 3/063, B 23K 1/012, B 23K 2201/36, B 23K 2201/42, F 23D 14/40
228/230	B 23K 1/0008, B 23K 1/0016, B 23K 1/14, B 23K 3/0478, B 23K 5/023
228/231	B 23K 31/02, B 23K 35/268, B 23K 35/3033, C 21D 9/50, H 05K 3/3463
228/232	B 23K 31/02, B 23K 1/012, B 23K 2201/40, C 21D 9/50, H 05K 3/3494
228/233.1	B 22F 1/0074, B 22F 7/08, B 22F 2999/00, B 23K 1/002, B 23K 13/01
228/233.2	B 23K 1/0018, B 23K 1/19, B 23K 2201/001, B 23P 6/005, F 01D 5/005
228/234.1	B 23K 5/06, H 05K 3/3494, B 23K 1/012, B 23K 1/008, B 23K 2201/40
228/234.2	B 23K 1/015, B 23K 35/386, B 23K 2201/42, C 07C 23/36, H 05K 3/3468
228/234.3	B 23K 23/00, B 23K 1/0006, B 23K 35/34, B 23K 1/0008, B 23K 2201/26
228/235.1	B 23K 20/02, B 23K 20/023, C 03B 37/0805, B 21D 26/055, B 21D 39/04
228/235.2	B 23K 20/04, B 21D 53/045, B 23K 20/18, B 21B 2001/383, B 21D 22/00
228/235.3	B 23K 20/04, B 23K 20/2333, B 23K 20/14, B 32B 15/013, C 21D 8/1211
228/244	B 23K 3/063, B 23K 5/00, B 23K 5/22, B 23K 1/0016, B 23K 1/20

228/245	H 05K 3/3478, H 05K 2203/041, B 23K 3/0623, B 23K 2201/40, H 01L 21/4853
228/246	H 05K 3/3478, B 23K 3/0623, H 05K 2203/041, H 01L 21/4853, H 01L 2924/01079
228/247	B 23K 1/19, B 23K 35/30, C 04B 37/005, C 04B 37/006, C 04B 2235/3826
228/248.1	H 05K 3/3484, H 05K 2203/043, H 01L 21/4853, H 05K 3/1216, H 05K 2203/0557
228/248.5	B 23K 35/025, H 05K 3/3463, H 05K 3/3484, B 23K 35/0244, B 23K 35/26
228/249	B 23K 20/233, B 23K 35/0222, B 23K 35/3006, B 23K 1/0008, B 23K 1/008
228/250	B 23K 1/0016, B 23K 5/06, B 23K 5/12, B 23K 33/006, B 23K 35/001
228/251	B 23K 1/20, B 23K 1/18, F 16L 13/08, B 23K 2201/06, B 21C 37/24
228/252	B 23K 35/0238, B 23K 35/286, B 32B 15/016, F 28F 21/084, B 01J 19/0093
228/253	H 05K 2203/0338, H 01L 21/4853, H 01L 24/11, H 05K 3/3478, H 05K 2203/041
228/254	H 01L 2224/13099, H 01L 2924/01029, H 01L 2924/14, H 01L 21/4853, H 01L 24/11
228/255	B 23K 2201/40, H 05K 2201/10371, H 05K 2201/1084, H 05K 2201/10984, H 05K 2203/0415
228/256	B 23K 3/0638, B 23K 2201/42, B 23K 3/0607, B 23K 2201/40, H 05K 2203/0126
228/257	B 23K 1/0016, B 23K 3/0607, B 23K 3/063, B 65D 17/22, H 01L 24/75
228/258	B 23K 1/0014, B 01D 53/885, B 01J 35/04, B 23K 1/08, B 23K 2201/02
228/259	B 23K 1/08, B 23K 1/20, B 23K 3/0646, B 23K 3/0653, B 23K 3/0669
228/260	B 23K 1/085, B 23K 3/0653, H 05K 3/3468, B 23K 2201/42, H 05K 3/3447
228/261	B 23K 1/0016, B 23K 1/012, B 23K 3/063, B 23K

	20/002, B 23K 2201/36
228/262	B 23K 1/06, B 23K 3/0661, B 22F 9/08, B 22F 2009/0836, B 22F 2999/00
228/262.1	B 23K 1/18, B 23K 31/02, B 23K 35/0233, B 23K 35/3033, B 23K 35/304
228/262.2	B 23K 1/19, B 23K 35/004, B 23K 35/0222, B 23K 35/325, B 32B 15/16
228/262.21	B 22F 7/06, B 23P 15/28, C 23C 14/0611, C 23C 14/58, C 23C 14/5806
228/262.3	B 23K 35/3033, B 23K 35/304, B 23K 35/0261, B 23K 35/3046, B 22F 1/0003
228/262.31	B 23K 1/19, B 23K 1/18, B 23K 1/20, B 23K 35/3013, B 23K 35/302
228/262.4	B 23K 1/19, B 23K 3/08, B 23K 35/3086, C 22C 38/02, C 22C 38/04
228/262.41	B 23K 35/3086, B 23K 35/3066, B 23K 2201/06, B 22F 2998/00, B 23K 9/0213
228/262.42	B 23K 35/302, B 23K 35/304, B 23K 35/0233, B 23K 35/3033, B 23K 1/00
228/262.43	B 23K 35/302
228/262.44	B 23K 35/005, B 23K 35/32
228/262.45	B 23K 1/0008, B 23K 1/203, B 23K 2201/06, F 16L 21/08
228/262.5	B 23K 35/286, B 23K 1/0012, B 23K 1/008, B 23K 1/012, B 23K 2201/14
228/262.51	B 23K 2203/10, B 23K 35/282, B 23K 35/286, B 23K 35/002, B 23K 1/19
228/262.6	B 23K 1/00, B 23K 9/23, B 23K 35/005, B 23K 35/007, B 23K 35/302
228/262.61	B 23K 35/302, B 23K 35/0233, C 22C 45/001, C 22C 9/02, A 61K 6/04
228/262.7	B 23K 20/08, B 23K 35/325
228/262.71	B 23K 20/16, B 23K 20/233, B 23K 35/005, B 32B 15/01

228/262.72	B 23K 1/19, B 23K 35/325, B 23K 35/3006, B 23K 35/3033, B 23K 35/32
228/262.8	H 01L 2924/15153, H 01L 2924/1517, H 01L 2924/16195, B 23K 20/023, B 23K 20/04
228/262.9	B 23K 35/262, C 22C 13/00, B 23K 1/19, B 23K 35/025, B 23K 35/26
228/264	B 23K 1/018, H 05K 13/0486, B 23K 2201/40, B 23K 2201/36, H 01L 24/81
228/1.1	B 23K 20/106, H 01L 24/78, B 23K 20/10, H 01L 2224/85205, H 01L 24/85
228/2.1	B 23K 20/1255, B 23K 20/126, B 23K 20/1205, B 23K 20/1265, B 23K 20/125
228/2.3	B 23K 20/12, B 23K 20/121, B 21D 41/04, B 23K 20/129, B 23K 20/1285
228/2.5	B 23K 20/085, B 23K 20/08, B 23K 20/06, H 01R 4/08, B 21D 26/14
228/3.1	B 23K 20/028, B 23K 20/02, B 23K 2201/32, B 21K 1/62, B 21K 27/02
228/4.1	B 23K 37/047, B 23P 2700/50, B 62D 65/02, B 23K 37/0408, B 21B 15/0085
228/4.5	H 01L 24/78, H 01L 24/85, H 01L 2224/78301, H 01L 2924/01079, H 01L 2924/01039
228/5.1	B 21C 37/26, B 23K 9/0035, B 23K 11/008, B 23K 37/0531, H 05K 13/0465
228/5.5	H 01L 21/67144, H 01L 2924/01079, H 01L 2924/14, H 01L 24/75, H 01L 24/80
228/5.7	B 23K 37/0408, B 23K 9/025, B 21B 15/0085, B 23K 11/087, B 23K 26/26
228/6.1	B 23K 37/047, B 23K 3/08, B 23P 2700/50, B 62D 65/02, Y 02E 60/12
228/6.2	H 01L 21/67144, B 23K 1/012, B 23K 2201/40, H 05K 13/0486, H 01L 2924/14
228/7	B 23K 9/028, B 21C 37/08, B 23K 1/085, B 23K 9/032, B 21C 37/185
228/8	B 23K 3/08, B 23K 2201/42, H 05K 3/3478, B 23K

	1/0016, B 23K 1/008
228/9	B 23K 1/008, H 01L 2924/01004, H 01L 21/67138, H 01L 21/67144, H 01L 24/11
228/10	B 23K 3/082, H 05K 3/3489, B 23K 1/16, B 21C 37/12, B 23K 1/012
228/11	B 23K 1/0056, B 23K 1/16, B 23K 3/0607, H 05K 3/3494, H 05K 2203/107
228/12	B 23K 1/0008, B 23K 1/16, B 23K 3/063, B 23K 3/0669, B 23K 3/0676
228/13	B 23K 1/018, B 23K 37/08, H 05K 13/0486, B 21C 37/0811, B 23K 2201/40
228/14	B 21D 51/2676, B 23K 1/0008, B 23K 1/0012, B 23K 1/018, B 23K 1/16
228/15.1	B 21D 51/2676, B 23K 1/16, B 23K 33/00, H 01L 21/4853, B 21C 19/00
228/16	B 21C 37/08, B 21C 37/0818, B 21C 37/09, B 21C 37/185, B 23K 9/0026
228/17	B 21C 37/08, B 21C 37/12, B 23K 5/06, B 21C 37/083, B 21C 37/124
228/17.5	B 21C 37/08, B 23K 9/0253, B 23K 26/265, B 23K 2201/125, B 21C 37/0815
228/17.7	B 21C 37/12, B 21C 37/122, B 23K 9/0325, B 21C 37/123, B 21C 37/126
228/18	B 23K 1/06, B 23K 1/0012, B 23K 1/008, F 27B 9/243, B 23K 23/00
228/19	B 23K 1/018, H 05K 13/0486, B 23K 3/08, B 23K 2201/42, B 23K 2201/40
228/20.1	B 23K 1/018, B 23K 1/085, B 23K 2201/42, H 05K 3/3468, B 23K 1/012
228/20.5	B 23K 1/018, B 23K 3/029, B 23K 3/025, H 05K 13/0486, H 05K 13/0491
228/21	B 23K 1/16, B 23K 3/08, B 21D 51/2676, B 23K 1/14, B 23K 31/12
228/22	B 23K 1/16, B 23K 2201/40, H 05K 3/3484, B 23K 3/0669, B 23K 3/08

228/23	B 23K 1/16, B 23K 3/08, B 23K 1/18, B 21D 51/28, B 23K 1/14
228/24	B 23K 5/06, B 21C 37/0811, B 21B 23/00, B 21C 37/08, B 21J 7/16
228/25	B 23K 5/24, F 23D 14/40, B 23K 9/0026, B 23K 9/02, B 23K 9/0209
228/26	B 23K 1/18, B 21D 51/2653, B 23K 1/001, B 23K 1/16, B 23K 3/08
228/27	B 23K 9/30, B 23K 5/06, B 23K 9/0286, B 23K 37/02, B 23K 5/026
228/28	B 23K 1/0008, B 23K 3/0676, H 01J 9/28, B 23K 3/0653, B 23K 3/08
228/29	B 23K 9/0286, B 23K 9/028, B 23K 9/0288, B 23K 9/287, B 23K 37/0217
228/30	B 21C 37/08, B 23K 5/06, B 21C 37/0822, B 21C 37/29, B 23K 1/16
228/31	B 23K 1/16, B 21D 51/28, B 23K 1/18, B 23K 3/0692, B 05C 7/06
228/32	B 23K 5/06, B 23K 9/02, B 23K 9/028, B 23K 3/08, B 23K 9/0209
228/33	B 23K 2201/40, H 05K 3/3457, B 23K 3/0623, B 23K 3/0607, H 01L 24/11
228/34	B 23K 3/0653, B 23K 2201/42, B 23K 1/085, B 23K 3/0646, B 23K 3/0676
228/35	B 23K 3/082, B 23K 1/16, B 23K 1/18, B 23K 3/08, B 23K 3/02
228/36	B 23K 3/0676, B 23K 2201/42, H 05K 3/3468, B 23K 1/08, B 23K 3/0653
228/37	B 23K 3/0653, B 23K 2201/42, B 23K 1/085, H 05K 3/3468, B 23K 1/08
228/38	A 41H 33/00, B 21D 51/46, B 23K 1/14, B 23K 1/16, B 23K 1/18
228/39	H 05K 3/3468, H 05K 3/3452, H 05K 2203/0557, B 23K 3/0653, B 23K 3/087
228/40	B 23K 3/0676, B 23K 3/0669, B 23K 1/08, B 23K

	1/16, B 23K 3/0646
228/41	H 05K 3/3478, B 23K 3/0623, H 05K 2203/041, H 05K 2203/082, H 01L 21/4853
228/42	B 23K 1/008, B 23K 9/325, B 23K 2201/42, B 23K 1/012, B 23K 9/326
228/43	B 23K 1/16, B 23K 3/087, B 23K 1/008, B 23K 1/14, B 23K 1/0012
228/44.3	B 23K 3/087, B 23K 1/0012, B 23K 37/0443, B 23K 37/0435, B 23K 37/047
228/44.5	B 23K 37/0531, B 23K 37/0533, B 23K 2201/06, B 23K 9/0286, B 23K 9/326
228/44.7	B 23K 2201/40, H 01L 24/85, H 01L 2924/01079, H 01L 24/78, H 01L 2924/01013
228/45	B 23K 37/047, B 23K 9/287, B 23K 2201/42, B 23P 2700/50, B 62D 65/02
228/46	B 23K 1/008, H 05K 3/3494, H 05K 2203/1121, B 23K 3/085, B 23K 3/087
228/47.1	B 23K 37/047, B 21C 37/08, B 21D 11/10, B 21D 39/03, B 21D 43/006
228/48	B 23K 9/028, B 23K 9/0288, B 23K 9/048, B 23K 37/0538, B 23K 3/08
228/49.1	B 23K 37/047, B 23K 3/087, B 23P 2700/50, B 23K 37/0452, B 23K 37/0461
228/49.2	B 23K 37/047, B 23K 37/053, B 21C 37/0822, B 23K 1/16, B 23K 5/08
228/49.3	B 23K 37/0531, B 23K 37/0533, B 23K 2201/06, B 23K 9/0282, B 23K 9/326
228/49.4	B 23K 37/0408, B 23K 26/26, B 23K 2201/16, B 23K 11/061, B 23K 26/0838
228/49.5	B 23K 3/0676, B 23K 3/087, B 23K 2201/42, B 23K 3/08, B 23K 37/047
228/49.6	B 23K 37/047, B 23P 2700/50, B 23K 1/16, B 62D 65/02, B 23P 21/004
228/50	B 23K 9/035, B 23K 37/0531, B 23K 35/0255, B 23K 9/0356, B 23K 9/0358

228/51	B 23K 3/02, B 23K 3/025, B 23K 3/08, B 23K 3/022, B 23K 1/018
228/52	B 23K 3/0615, B 23K 1/018, B 23K 1/203, B 23K 3/025, H 05K 2203/0195
228/53	B 23K 3/0615, B 23K 5/22, B 23K 3/02, B 23K 3/025, B 23K 3/06
228/54	B 23K 3/025, H 01L 24/78, H 01L 24/85, B 23K 3/026, B 23K 20/005
228/55	B 23K 3/025, B 23K 3/026, B 23K 3/0369, B 23K 3/02, B 23K 3/0361
228/56.1	B 23K 3/0646, H 05K 3/3447, H 05K 3/3468, B 23K 1/018, B 23K 3/08
228/56.2	B 23K 3/0661, B 23K 3/0653, B 23K 1/0016, B 23K 1/06, B 23K 1/08
228/56.3	B 23K 35/0222, H 05K 3/3478, B 23K 35/0244, H 05K 2201/10424, H 05K 2203/0415
228/56.5	B 21B 37/74, G 01N 29/14, H 01L 21/67138, H 01L 24/78, H 01L 24/85
228/58	Y 02E 60/12, B 23K 5/006, B 29C 65/22, B 29C 66/0042, B 29C 66/1122
228/59	B 23K 3/027, B 23K 9/16, B 23K 9/32, F 16P 1/06
228/60	B 23K 1/0016, B 23K 2201/40, H 01J 31/26, H 01L 24/81, H 01L 27/14618
228/57	B 23K 3/08, B 23K 9/282, B 23K 3/027, B 23K 3/063, B 23K 9/325
228/901	Y 02E 60/12, H 01M 2/24, H 01M 2/22, B 22D 25/04, H 01M 2/20
228/902	H 01L 24/85, H 01L 2224/78301, B 23K 5/00, B 23K 5/06, B 23K 20/00
228/903	C 04B 37/026, H 01L 21/00, C 04B 37/021, C 03C 27/02, C 04B 2237/343
228/904	H 01L 24/85, H 01L 24/78, H 01L 2924/01013, H 01L 24/45, H 01L 2924/01079

Most statistically relevant CPC Subclasses

B 23K, H 01L, C 04B, B 01J, B 21D, B 21C, H 05K, A 61F, B 29C, B 21B, F 16D, F 01N, C 11D, C 23C, H 01M
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