

Statistical mapping of USPC to CPC for Class 438

USPC Subclass	Most statistically relevant CPC groups
438/1	B 82Y 10/00, B 82Y 30/00, H 01L 21/76838, B 01J 2219/00527, B 01J 2219/00585
438/2	H 01L 39/2493, B 82Y 10/00, H 01L 39/223, H 01L 39/2464, H 01L 39/2496
438/3	H 01L 28/55, H 01L 27/11502, H 01L 27/11507, H 01L 43/12, H 01L 21/31691
438/4	H 01L 2924/01079, H 01L 21/76892, H 01L 2924/14, H 05K 3/225, H 01L 2924/01078
438/5	H 01L 22/20, H 01L 22/12, H 01L 21/67253, H 01L 21/67276, H 01L 22/26
438/6	H 01L 22/22, G 11C 29/006, H 01L 23/522, H 01L 27/118, H 01L 21/00
438/7	H 01L 22/12, H 01L 22/20, H 01L 22/26, H 01L 21/67253, B 24B 37/013
438/8	H 01L 22/26, B 24B 37/013, H 01L 21/67253, B 24B 49/12, H 01L 22/20
438/9	H 01J 37/32935, H 01L 22/26, H 01J 37/32963, H 01L 21/31116, H 01J 37/32972
438/10	H 01L 21/00, H 01L 22/20, H 01L 29/00, H 01J 37/32935, H 01J 37/32082
438/11	H 01L 22/34, H 01L 22/20, G 01R 31/2856, G 01R 31/2884, G 01R 31/2831
438/12	H 01L 22/20, H 01L 22/34, H 01L 31/208, Y 02E 10/50, G 01R 31/2605
438/13	H 01L 21/00, H 01L 29/00, H 01L 21/24, H 01L 21/3063, H 01L 21/30604
438/14	H 01L 22/20, H 01L 22/12, H 01L 22/34, H 01L 22/26, H 01L 23/544
438/15	H 01L 2924/01079, H 01L 2924/14, H 01L 2924/01013, H 01L 2224/48091, H 01L 2924/01078
438/16	H 01L 22/12, H 01L 22/20, H 01L 22/34, H 01L 23/544, B 24B 37/013

438/17	H 01L 22/34, H 01L 22/14, H 01L 22/20, G 01R 31/2831, H 01L 22/12
438/18	H 01L 22/34, G 01R 31/2884, H 01L 22/32, H 01L 22/14, H 01L 22/12
438/19	Y 02E 10/50, H 01L 31/022425, G 21H 1/06, H 01L 23/58, H 01L 31/0236
438/20	H 01J 9/025, B 82Y 10/00, H 01J 2329/00, H 01J 3/022, H 01J 1/304
438/21	B 41J 2/1631, B 41J 2/1628, B 41J 2/1642, B 41J 2/1629, B 41J 2/1623
438/22	B 82Y 20/00, H 01L 33/0079, H 01L 33/007, H 01L 33/32, H 01L 21/0254
438/23	H 01L 27/15, H 01L 21/8252, H 01S 5/026, H 01S 5/0261, H 01L 21/7605
438/24	H 01S 5/0262, H 01S 5/0264, B 82Y 20/00, H 01S 5/0265, H 01L 31/173
438/25	H 01L 2924/01079, H 01L 33/62, H 01L 2924/14, H 01L 2224/48091, H 01L 2924/01078
438/26	H 01L 33/62, H 01L 2924/01079, H 01L 33/486, H 01L 2924/01078, H 01L 33/54
438/27	H 01L 33/54, H 01L 33/62, H 01L 25/0753, H 01L 33/58, H 01L 2224/48091
438/28	H 01L 25/0753, H 01L 27/156, H 01L 33/62, H 01L 2924/01079, H 01L 2924/01015
438/29	H 01L 33/0079, H 01L 27/1214, H 01L 51/56, H 01L 27/3244, H 01L 33/22
438/30	H 01L 27/1214, H 01L 27/12, G 02F 1/136227, G 02F 1/1368, G 02F 1/13454
438/31	B 82Y 20/00, G 02B 6/136, H 01S 5/026, H 01S 5/34333, G 02B 6/132
438/32	H 01S 5/12, H 01S 5/1231, H 01S 5/125, H 01S 5/227, H 01S 5/2275
438/33	H 01S 5/0202, H 01L 33/0095, H 01S 5/0201, H 01L 21/78, H 01L 33/0079
438/34	H 01L 27/1214, H 01L 27/12, H 01L 27/153, H

	01L 27/156, H 01L 33/0062
438/35	H 01S 5/4087, H 01L 27/3211, B 82Y 20/00, H 01S 5/4031, H 01L 51/56
438/36	B 82Y 20/00, H 01L 21/182, H 01S 5/2059, H 01S 5/20, H 01S 5/026
438/37	H 01L 21/02381, H 01L 21/02395, H 01L 21/02463, H 01L 21/0251, H 01L 21/02543
438/38	H 01S 5/028, H 01S 5/0282, H 01L 33/44, H 01L 21/02178, H 01S 5/22
438/39	B 82Y 20/00, H 01S 5/227, H 01S 5/0425, H 01S 5/22, H 01S 5/2275
438/40	H 01L 33/0062, H 01S 5/227, H 01S 5/2275, H 01S 5/2231, B 82Y 20/00
438/41	H 01S 5/227, H 01S 5/2275, B 82Y 20/00, H 01L 33/0062, H 01L 21/0262
438/42	B 82Y 10/00, B 82Y 20/00, H 01L 21/3086, H 01L 33/20, H 01L 33/10
438/43	H 01S 5/2237, H 01S 5/24, H 01S 5/2231, H 01S 5/2232, H 01L 33/0062
438/44	H 01L 33/0062, B 82Y 20/00, H 01S 5/227, H 01L 21/0237, H 01L 21/02639
438/45	H 01S 5/2059, H 01S 5/20, H 01L 33/00, B 82Y 20/00, H 01L 33/0062
438/46	H 01L 33/007, H 01L 21/0254, H 01L 21/02458, H 01L 21/0262, H 01L 21/0242
438/47	H 01L 33/32, B 82Y 20/00, H 01L 21/0254, H 01L 33/007, H 01L 21/02458
438/48	H 01L 27/14689, H 01L 27/14609, H 01L 27/14643, H 01L 27/1463, H 01L 27/14603
438/49	G 01N 27/414, G 01N 27/12, B 81B 2201/0214, G 01N 27/128, G 01N 27/4146
438/50	G 01P 15/0802, G 01P 15/125, B 81C 1/00246, B 81B 2201/0235, B 81B 2201/0271
438/51	H 01L 2924/01079, B 81C 1/00333, G 01P 15/0802, G 01L 9/0042, B 81B 2201/0235

438/52	G 01P 15/0802, B 81B 2203/0118, G 01P 15/125, B 81B 2201/0235, B 81C 1/0015
438/53	G 01L 9/0042, G 01L 9/0073, G 01P 15/0802, H 01L 29/84, B 81B 2203/0127
438/54	H 01L 35/34, H 01L 35/16, H 01L 45/06, H 01L 45/144, H 01L 45/126
438/55	H 01L 35/34, H 01L 35/32, H 01L 2924/01078, H 01L 2924/14, H 01L 35/08
438/56	Y 02E 10/50, H 01L 31/115, H 01L 29/00, H 01L 31/1804, G 01T 3/08
438/57	Y 02E 10/50, H 01L 27/14689, H 01L 27/14643, H 01L 27/14609, H 01L 31/1804
438/58	Y 02E 10/50, H 01L 21/3221, H 01L 31/186, H 01L 31/202, H 01L 27/14643
438/59	H 01L 27/14643, H 01L 27/1443, H 01L 27/14689, H 01L 27/14609, H 01L 27/14603
438/60	H 01L 27/14689, H 01L 27/14609, H 01L 27/14643, H 01L 27/14831, H 01L 27/14812
438/61	Y 02E 10/50, H 01L 31/206, C 23C 16/54, H 01L 21/67173, H 01L 31/075
438/62	Y 02E 10/50, H 01L 31/03921, H 01L 31/1804, H 01L 31/206, Y 02E 10/548
438/63	Y 02E 10/50, H 01L 31/035281, H 01L 31/042, H 01L 31/1804, H 01L 31/1876
438/64	H 01L 27/14618, H 01L 31/0203, H 01L 27/14683, H 01L 2924/01079, Y 02E 10/50
438/65	H 01L 27/14685, H 01L 27/14627, H 01L 27/14618, H 01L 27/14625, H 01L 27/14621
438/66	Y 02E 10/50, H 01L 27/14618, H 01L 31/048, H 01L 27/14636, H 01L 27/14632
438/67	Y 02E 10/50, H 01L 31/042, H 01L 31/048, H 01L 27/14618, H 01L 31/05
438/68	Y 02E 10/50, H 01L 31/1804, H 01L 21/78, H 01L 27/14618, H 01L 31/022425
438/69	H 01L 27/14627, H 01L 27/14685, H 01L

	27/14621, H 01L 31/0232, H 01L 27/14623
438/70	H 01L 27/14685, H 01L 27/14627, H 01L 27/14621, H 01L 27/14687, H 01L 31/02162
438/71	H 01L 31/0236, Y 02E 10/50, H 01L 27/14627, H 01L 27/14685, H 01L 31/0527
438/72	Y 02E 10/50, H 01L 31/02168, H 01L 31/022425, H 01L 31/1804, H 01L 27/14685
438/73	Y 02E 10/50, H 01L 27/14689, H 01L 27/14643, H 01L 27/14609, H 01L 27/1463
438/74	Y 02E 10/50, Y 02E 10/548, H 01L 31/076, H 01L 27/1423, H 01L 27/14647
438/75	H 01L 27/14689, H 01L 27/14806, H 01L 27/14831, H 01L 27/14609, H 01L 27/14643
438/76	H 01L 27/14831, H 01L 21/8234, H 01L 27/14812, H 01L 27/14825, H 01L 29/1062
438/77	H 01L 27/14875, B 22F 1/0003, B 22F 9/30, B 22F 2999/00, C 01G 35/006
438/78	H 01L 27/14831, H 01L 27/14806, H 01L 27/14601, H 01L 27/14609, H 01L 27/1463
438/79	H 01L 27/14887, H 01L 27/14609, H 01L 27/14689, H 01L 27/1463, H 01L 27/14654
438/80	H 01L 27/1423, Y 02E 10/50, H 01L 31/022425, H 01L 27/1446, B 23K 26/367
438/81	H 01L 21/2258, H 01L 21/26553, H 01L 21/2656, H 01L 21/28575, H 01L 21/32134
438/82	Y 02E 10/50, B 82Y 10/00, H 01L 27/1214, H 01L 51/56, H 01L 51/0545
438/83	Y 02E 10/50, H 01L 31/022425, H 01L 31/18, H 01L 21/00, H 01L 21/0332
438/84	H 01L 45/04, Y 02E 10/50, H 01L 31/0322, H 01L 31/073, H 01L 27/24
438/85	H 01L 21/02631, H 01L 21/02568, H 01L 21/02614, H 01L 31/0322, H 01L 31/0749
438/86	H 01L 31/03365, Y 02E 10/50, H 01L 31/022425, Y 02E 10/543, C 23C 14/086

438/87	Y 02E 10/544, H 01L 31/075, Y 02E 10/548, H 01L 31/0288, Y 02E 10/50
438/88	Y 02E 10/50, H 01L 31/00, H 01L 21/00, H 01L 21/222, H 01L 31/028
438/89	H 01L 31/1804, Y 02E 10/50, H 01L 31/068, H 01L 31/03682, H 01L 31/1864
438/90	H 01L 31/1804, H 01L 21/2026, H 01L 21/28282, H 01L 27/115, H 01L 27/11568
438/91	H 01L 31/107, H 01L 31/1075, Y 02E 10/544, H 01L 31/1844, H 01L 29/866
438/92	H 01L 29/872, H 01L 31/108, Y 02E 10/50, H 01L 29/66143, H 01L 29/0692
438/93	Y 02E 10/544, Y 02E 10/50, H 01L 31/184, H 01L 31/03042, H 01L 31/09
438/94	Y 02E 10/50, Y 02E 10/544, Y 02E 10/543, H 01L 31/073, H 01L 31/1828
438/95	H 01L 45/04, H 01L 27/24, H 01L 45/1233, H 01L 45/144, H 01L 45/06
438/96	H 01L 31/202, Y 02E 10/548, Y 02E 10/50, H 01L 31/075, H 01L 31/03921
438/97	Y 02E 10/50, H 01L 31/03682, H 01L 31/1804, H 01L 21/02532, H 01L 31/03921
438/98	Y 02E 10/50, H 01L 31/022425, H 01L 31/1804, H 01L 31/068, H 01L 27/14636
438/99	H 01L 51/0545, B 82Y 10/00, H 01L 51/0036, H 01L 51/0541, B 82Y 30/00
438/100	H 01L 29/00, H 01L 21/00, B 82Y 10/00, H 01L 23/041, H 01L 21/288
438/101	H 01L 21/00, H 01L 29/72, H 01L 29/00, G 01R 31/26, H 01L 21/24
438/102	H 01L 45/06, H 01L 45/04, H 01L 45/144, H 01L 45/1233, H 01L 27/24
438/103	H 01L 21/14, H 01L 21/06, H 01L 21/145, H 01L 45/06, H 01L 21/10
438/104	H 01L 29/7869, H 01L 21/02554, H 01L 21/02565,

	H 01L 45/145, H 01L 21/00
438/105	H 01L 29/1602, H 01L 21/02527, H 01L 21/0262, H 01L 23/3732, H 01L 21/02381
438/106	H 01L 2924/01079, H 01L 2924/01078, H 01L 2924/14, H 01L 2924/01029, H 01L 2924/01013
438/107	H 01L 2924/01079, H 01L 2924/14, H 01L 2924/01029, H 01L 2924/01078, H 01L 2924/15311
438/108	H 01L 2924/01079, H 01L 2224/16, H 01L 2924/01029, H 01L 2924/14, H 01L 2924/01078
438/109	H 01L 25/0657, H 01L 2924/15311, H 01L 2924/01079, H 01L 25/50, H 01L 2224/48091
438/110	H 01L 2924/01079, H 01L 2924/01029, H 01L 2924/14, H 01L 2924/01078, H 01L 2924/15311
438/111	H 01L 2224/48091, H 01L 2924/01079, H 01L 2224/48247, H 01L 2924/01078, H 01L 2924/14
438/112	H 01L 2224/48091, H 01L 2924/01079, H 01L 2924/01029, H 01L 2224/48247, H 01L 2924/01078
438/113	H 01L 2924/01079, H 01L 2924/14, H 01L 2924/01078, H 01L 2924/01029, H 01L 2924/01013
438/114	H 01L 2924/01078, H 01L 2924/01079, H 01L 2924/14, H 01L 21/78, H 01L 2924/01029
438/115	H 01L 2924/01079, H 01L 2924/01078, H 01L 2924/14, H 01L 23/26, H 01L 2924/01029
438/116	H 01L 27/14618, H 01L 31/0203, H 01L 2924/01079, H 01L 2924/01078, H 01L 2924/15311
438/117	H 01L 2924/01079, H 01L 2924/01029, H 01L 2924/14, H 01L 2924/01013, H 01L 2924/01078
438/118	H 01L 2924/01079, H 01L 2924/14, H 01L 2924/01078, H 01L 2924/01029, H 01L 2924/01013
438/119	H 01L 2924/01079, H 01L 2924/01029, H 01L 2924/01013, H 01L 2924/14, H 01L 2924/01078

438/120	H 01L 2924/14, H 01L 2924/01079, H 01L 2924/01013, H 01L 24/81, H 01L 2224/13099
438/121	H 01L 2924/01079, H 01L 2924/01078, H 01L 2924/01013, H 01L 2924/01029, H 01L 2224/48091
438/122	H 01L 2924/01079, H 01L 2924/15311, H 01L 2224/16, H 01L 2224/48091, H 01L 2924/01078
438/123	H 01L 2224/48091, H 01L 2924/01079, H 01L 2224/48247, H 01L 2924/01078, H 01L 2924/14
438/124	H 01L 2224/48091, H 01L 2924/01079, H 01L 2924/01029, H 01L 2924/01078, H 01L 2224/48247
438/125	H 01L 2924/01079, H 01L 2924/01078, H 01L 2924/14, H 01L 2924/01029, H 01L 2924/15311
438/126	H 01L 2924/01079, H 01L 2924/01078, H 01L 2924/15311, H 01L 2224/48091, H 01L 2924/01029
438/127	H 01L 2924/01079, H 01L 2924/14, H 01L 2224/16, H 01L 2224/48091, H 01L 2924/01029
438/128	H 01L 27/112, H 01L 2924/01078, H 01L 2924/01079, H 01L 27/24, H 01L 27/0207
438/129	H 01L 27/0207, G 06F 17/5068, H 01L 27/115, H 01L 27/105, H 01L 27/11526
438/130	H 01L 27/112, H 01L 27/11266, H 01L 22/22, H 01L 23/5252, H 01L 23/5256
438/131	H 01L 23/5252, H 01L 27/101, H 01L 2924/3011, H 01L 27/1021, G 11C 17/16
438/132	H 01L 23/5258, H 01L 23/5256, H 01L 27/10894, H 01L 2924/01013, H 01L 2924/14
438/133	H 01L 29/7436, H 01L 29/00, H 01L 21/00, H 01L 27/0262, H 01L 29/7395
438/134	H 01L 21/00, H 01L 29/747, H 01L 21/263, H 01L 29/00, H 01L 29/87
438/135	H 01L 29/7436, H 01L 27/1027, H 01L 27/0817, H 01L 27/1203, H 01L 27/0617
438/136	H 01L 21/187, H 01L 29/66356, H 01L 29/7392, G

	11C 11/39, H 01L 27/105
438/137	H 01L 29/7392, H 01L 29/1066, H 01L 29/66363, H 01L 29/66416, H 01L 29/744
438/138	H 01L 29/7395, H 01L 29/66333, H 01L 29/1095, H 01L 29/7802, H 01L 29/66712
438/139	H 01L 21/263, H 01L 21/00, H 01L 29/00, H 01L 29/32, H 01L 29/74
438/140	H 01L 29/0619, H 01L 29/0615, H 01L 29/1608, H 01L 29/7802, H 01L 27/0255
438/141	H 01L 27/0255, H 01L 29/66734, H 01L 29/7808, H 01L 29/7813, H 01L 29/861
438/142	B 82Y 10/00, H 01L 29/785, H 01L 29/517, H 01L 29/66795, H 01L 27/11521
438/143	H 01L 21/3221, H 01L 29/00, H 01L 21/324, H 01L 21/26513, H 01L 29/6659
438/144	H 01L 29/66954, H 01L 29/1062, H 01L 21/823406, H 01L 21/00, H 01L 29/42396
438/145	H 01L 21/823406, H 01L 21/8234, H 01L 27/1057, H 01L 21/00, H 01L 27/0623
438/146	H 01L 29/76841, H 01L 29/1062, H 01L 29/66954, H 01L 29/76833, H 01L 21/266
438/147	H 01L 29/1062, H 01L 29/66757, H 01L 29/66954, H 01L 21/033, H 01L 21/2022
438/148	H 01L 27/1055, H 01L 27/12, H 01L 21/823406, H 01L 27/1214, H 01L 21/2026
438/149	H 01L 27/1214, H 01L 27/12, H 01L 29/66757, H 01L 29/66765, H 01L 29/78621
438/150	H 01L 27/1214, H 01L 29/66757, H 01L 29/045, H 01L 21/84, H 01L 27/12
438/151	H 01L 27/1214, H 01L 29/66757, H 01L 27/12, H 01L 29/78621, H 01L 29/4908
438/152	H 01L 21/8221, H 01L 27/0688, H 01L 27/1108, H 01L 27/1203, H 01L 27/11
438/153	H 01L 21/8221, H 01L 27/11, H 01L 27/0688, H 01L 27/1108, H 01L 27/12

438/154	H 01L 27/1203, H 01L 27/12, H 01L 21/84, H 01L 27/1214, H 01L 21/86
438/155	H 01L 27/1214, H 01L 27/12, H 01L 21/84, H 01L 27/1203, H 01L 27/13
438/156	H 01L 29/78642, H 01L 29/66666, H 01L 29/7827, H 01L 27/1203, H 01L 29/785
438/157	H 01L 29/785, H 01L 29/66795, H 01L 29/78645, H 01L 29/78648, H 01L 21/84
438/158	H 01L 29/66765, H 01L 27/1214, H 01L 29/4908, H 01L 27/12, H 01L 29/78669
438/159	H 01L 29/66765, H 01L 27/1214, H 01L 29/78624, H 01L 29/4908, G 02F 1/1368
438/160	H 01L 29/66765, H 01L 27/1214, H 01L 29/78669, H 01L 29/458, H 01L 29/78696
438/161	H 01L 29/66757, H 01L 27/1214, H 01L 29/66765, H 01L 29/458, H 01L 29/78696
438/162	H 01L 29/66757, H 01L 27/1214, H 01L 21/2022, H 01L 29/78675, H 01L 21/3003
438/163	H 01L 29/78621, H 01L 29/66757, H 01L 27/1214, H 01L 27/12, H 01L 29/42384
438/164	H 01L 21/84, H 01L 29/66757, H 01L 27/1214, H 01L 29/66772, H 01L 27/1203
438/165	H 01L 21/76264, H 01L 21/76281, H 01L 21/84, H 01L 27/12, H 01L 27/1203
438/166	H 01L 29/66757, H 01L 27/1214, H 01L 21/2026, H 01L 21/2022, H 01L 29/78675
438/167	H 01L 29/66462, H 01L 21/28587, H 01L 29/66863, H 01L 29/8128, H 01L 29/812
438/168	H 01L 29/66462, H 01L 29/812, H 01L 21/2015, H 01L 21/2018, H 01L 21/2258
438/169	H 01L 21/8252, H 01L 27/0605, H 01L 27/095, H 01L 21/82, H 01L 29/66462
438/170	H 01L 27/0605, H 01L 21/8252, H 01L 27/0623, H 01L 29/66318, H 01L 27/0652
438/171	H 01L 2924/01013, H 01L 2924/14, H 01L

	23/5227, H 01L 27/0605, H 01L 28/10
438/172	H 01L 29/66462, H 01L 29/7787, H 01L 29/2003, H 01L 29/7783, H 01L 21/8252
438/173	H 01L 29/8122, H 01L 29/0653, H 01L 29/1608, H 01L 29/66856, H 01L 29/7802
438/174	H 01L 29/66878, H 01L 29/812, H 01L 29/1029, H 01L 29/66848, H 01L 29/66863
438/175	H 01L 29/812, H 01L 21/76898, H 01L 29/0891, H 01L 29/1054, H 01L 29/165
438/176	H 01L 21/823842, H 01L 29/785, H 01L 21/84, H 01L 27/1203, H 01L 27/108
438/177	H 01L 29/66878, C 25F 3/12, H 01L 21/0274, H 01L 21/265, H 01L 21/2652
438/178	H 01L 29/66848, H 01L 21/033, H 01L 29/66871, H 01L 29/812, B 82Y 10/00
438/179	H 01L 29/66878, H 01L 29/42316, H 01L 21/28587, H 01L 29/0891, H 01L 29/812
438/180	H 01L 29/812, H 01L 21/28587, H 01L 29/66863, H 01L 21/00, H 01L 21/2018
438/181	H 01L 29/66878, H 01L 29/812, H 01L 21/28587, H 01L 29/66871, H 01L 21/28581
438/182	H 01L 21/28587, H 01L 21/28114, H 01L 29/42316, H 01L 29/42376, H 01L 29/66462
438/183	H 01L 29/66545, H 01L 29/66871, H 01L 29/6659, H 01L 29/7833, H 01L 29/517
438/184	H 01L 29/6659, H 01L 29/6656, H 01L 29/7833, H 01L 29/6653, H 01L 21/823807
438/185	H 01L 29/66878, H 01L 29/0891, H 01L 29/6653, H 01L 29/6656, H 01L 29/6659
438/186	H 01L 29/808, H 01L 29/66901, H 01L 29/1066, H 01L 21/00, H 01L 29/00
438/187	H 01L 29/1066, H 01L 21/30608, H 01L 29/045, H 01L 21/00, H 01L 21/20
438/188	H 01L 27/0605, H 01L 29/0634, H 01L 29/0847, H 01L 29/808, H 01L 21/266

438/189	H 01L 21/8248, H 01L 27/0623, H 01L 21/8249, H 01L 21/761, H 01L 21/82
438/190	H 01L 27/0629, H 01L 28/20, B 82Y 10/00, G 11C 11/34, G 11C 11/5664
438/191	H 01L 29/66462, H 01L 29/2003, H 01L 29/66901, H 01L 29/7783, H 01L 29/78
438/192	H 01L 29/7722, H 01L 29/66416, H 01L 29/1066, H 01L 29/8083, H 01L 29/80
438/193	H 01L 29/66416, H 01L 29/7722, H 01L 29/8083, H 01L 29/1066, H 01L 29/66924
438/194	H 01L 21/823412, H 01L 29/808, H 01L 27/10894, H 01L 29/6659, H 01L 29/66659
438/195	H 01L 29/808, H 01L 21/00, H 01L 27/11526, H 01L 29/00, H 01L 29/1066
438/196	H 01L 21/76229, H 01L 29/78, H 01L 29/808, H 01L 21/033, H 01L 21/2205
438/197	H 01L 29/6659, H 01L 29/665, H 01L 29/7833, H 01L 21/823807, H 01L 29/66545
438/198	H 01L 21/823807, H 01L 29/045, H 01L 21/823878, H 01L 27/1203, H 01L 21/84
438/199	H 01L 21/823807, H 01L 21/823842, H 01L 21/823814, H 01L 29/7843, H 01L 29/7833
438/200	H 01L 27/0266, H 01L 27/0922, H 01L 27/088, H 01L 27/0251, H 01L 27/105
438/201	H 01L 27/115, H 01L 27/11526, H 01L 27/11521, H 01L 27/105, H 01L 21/28273
438/202	H 01L 21/8249, H 01L 27/0623, H 01L 29/66272, H 01L 29/66242, H 01L 21/28525
438/203	H 01L 21/8249, H 01L 27/0623, H 01L 21/74, H 01L 21/761, H 01L 21/82285
438/204	H 01L 21/8249, H 01L 27/0623, H 01L 27/0922, H 01L 21/823814, H 01L 29/735
438/205	H 01L 21/8249, H 01L 27/0623, H 01L 29/0821, H 01L 29/66272, G 11C 16/0408
438/206	H 01L 21/8249, H 01L 29/7809, H 01L 21/761, H

	01L 27/0623, H 01L 27/10876
438/207	H 01L 21/8249, H 01L 27/0623, H 01L 29/66272, H 01L 21/28525, H 01L 21/76202
438/208	H 01L 21/8249, H 01L 27/0623, H 01L 21/761, H 01L 27/0218, H 01L 27/0635
438/209	H 01L 27/11, H 01L 27/1104, H 01L 21/74, H 01L 23/53271, H 01L 27/10876
438/210	H 01L 27/0629, H 01L 27/10852, H 01L 28/20, H 01L 27/105, H 01L 27/10894
438/211	H 01L 27/115, H 01L 27/11521, H 01L 21/28273, H 01L 27/105, H 01L 27/11526
438/212	H 01L 29/66666, H 01L 29/7827, H 01L 29/7813, H 01L 27/10876, H 01L 29/0847
438/213	H 01L 27/11807, H 01L 29/66628, H 01L 21/32105, H 01L 21/76897, H 01L 21/823425
438/214	H 01L 23/535, H 01F 17/0013, H 01F 27/367, H 01L 21/2026, H 01L 21/743
438/215	H 01L 23/5258, H 01L 23/5256, H 01L 23/5252, H 01L 21/76877, H 01L 21/76895
438/216	H 01L 29/517, H 01L 21/28194, H 01L 21/823857, H 01L 21/28202, H 01L 29/513
438/217	H 01L 21/823807, H 01L 21/823892, H 01L 27/0928, H 01L 29/6659, H 01L 29/7833
438/218	H 01L 21/823807, H 01L 21/823814, H 01L 21/823878, H 01L 29/7843, H 01L 21/76224
438/219	H 01L 27/1203, H 01L 21/823807, H 01L 27/105, H 01L 21/02164, H 01L 21/31116
438/220	H 01L 21/823892, H 01L 27/0921, H 01L 29/00, H 01L 21/823814, H 01L 21/8238
438/221	H 01L 21/76224, H 01L 21/76229, H 01L 21/823878, H 01L 21/823481, H 01L 21/823807
438/222	H 01L 21/2018, H 01L 21/823807, H 01L 21/823878, H 01L 21/76224, H 01L 21/823814
438/223	H 01L 21/823892, H 01L 21/823878, H 01L 27/0921, H 01L 27/0928, H 01L 21/76237

438/224	H 01L 27/0928, H 01L 21/823892, H 01L 21/823807, H 01L 21/823814, H 01L 21/823842
438/225	H 01L 21/76202, H 01L 21/84, H 01L 27/1203, H 01L 21/32, H 01L 21/76264
438/226	H 01L 21/823878, H 01L 27/0928, H 01L 27/0922, H 01L 29/665, H 01L 21/02238
438/227	H 01L 21/76218, H 01L 21/8238, H 01L 21/823878, H 01L 21/823814, H 01L 21/033
438/228	H 01L 21/823892, H 01L 27/0928, H 01L 21/823807, H 01L 21/266, H 01L 21/823814
438/229	H 01L 21/823842, H 01L 21/76897, H 01L 21/823814, H 01L 21/28052, H 01L 21/823807
438/230	H 01L 29/6656, H 01L 29/6659, H 01L 21/823864, H 01L 29/665, H 01L 21/76897
438/231	H 01L 21/823814, H 01L 29/6659, H 01L 21/823864, H 01L 29/6656, H 01L 21/823807
438/232	H 01L 21/823814, H 01L 21/823842, H 01L 21/823807, H 01L 29/6659, H 01L 21/8238
438/233	H 01L 21/76897, H 01L 21/823871, H 01L 21/823814, H 01L 21/28518, H 01L 27/10888
438/234	H 01L 21/8249, H 01L 27/0623, H 01L 29/66272, H 01L 21/28525, H 01L 21/8248
438/235	H 01L 29/66242, H 01L 29/7378, H 01L 21/8249, H 01L 29/7371, H 01L 27/0623
438/236	H 01L 29/735, H 01L 21/8249, H 01L 27/0623, H 01L 27/0722, H 01L 29/6625
438/237	H 01L 27/1021, H 01L 27/24, H 01L 27/0255, H 01L 29/66136, H 01L 29/861
438/238	H 01L 27/11, H 01L 27/10852, H 01L 27/1112, H 01L 28/20, H 01L 28/40
438/239	H 01L 27/10852, H 01L 28/55, H 01L 28/40, H 01L 28/91, H 01L 28/60
438/240	H 01L 28/55, H 01L 28/40, H 01L 21/31604, H 01L 27/10852, H 01L 28/60
438/241	H 01L 27/10894, H 01L 27/10873, H 01L 27/105,

	H 01L 27/10852, H 01L 27/10888
438/242	H 01L 27/10876, H 01L 27/10841, H 01L 27/10864, H 01L 27/10867, H 01L 27/10823
438/243	H 01L 27/1087, H 01L 29/66181, H 01L 27/10867, H 01L 27/10861, H 01L 29/945
438/244	H 01L 27/10852, H 01L 27/10835, H 01L 27/10861, H 01L 27/10817, H 01L 28/90
438/245	H 01L 27/10864, H 01L 27/10832, H 01L 27/10841, H 01L 27/10861, H 01L 27/10867
438/246	H 01L 27/10829, H 01L 29/66181, H 01L 27/10861, H 01L 27/1087, H 01L 27/10864
438/247	H 01L 27/10829, H 01L 27/10861, H 01L 27/10864, H 01L 27/10867, H 01L 27/10876
438/248	H 01L 27/10867, H 01L 27/10861, H 01L 27/10864, H 01L 29/66181, H 01L 27/10829
438/249	H 01L 27/10861, H 01L 27/10867, H 01L 27/10864, H 01L 27/1087, H 01L 29/945
438/250	H 01L 28/40, H 01L 28/60, H 01L 27/10805, H 01L 27/0629, H 01L 27/10844
438/251	H 01L 27/1085, H 01L 27/10805, H 01L 27/10844, H 01L 27/0629, H 01L 28/40
438/252	H 01L 27/10805, H 01L 27/1085, H 01L 27/10844, H 01L 27/10873, H 01L 27/10852
438/253	H 01L 27/10852, H 01L 28/91, H 01L 27/10817, H 01L 27/10855, H 01L 27/10814
438/254	H 01L 27/10852, H 01L 27/10817, H 01L 28/91, H 01L 28/87, H 01L 27/10855
438/255	H 01L 28/84, H 01L 27/10852, H 01L 28/91, H 01L 28/82, H 01L 28/90
438/256	H 01L 27/10852, H 01L 27/10855, H 01L 28/91, H 01L 27/10888, H 01L 27/10894
438/257	H 01L 27/115, H 01L 27/11521, H 01L 21/28273, H 01L 29/66825, H 01L 29/42324
438/258	H 01L 27/11526, H 01L 27/105, H 01L 27/115, H 01L 27/11521, H 01L 27/11546

438/259	H 01L 27/115, H 01L 27/11521, H 01L 29/42336, H 01L 29/66621, H 01L 21/28273
438/260	H 01L 21/28273, H 01L 27/115, H 01L 27/11521, H 01L 29/42324, H 01L 29/66825
438/261	H 01L 27/115, H 01L 21/28273, H 01L 27/11521, H 01L 27/11568, H 01L 29/42324
438/262	H 01L 27/115, H 01L 27/11521, H 01L 27/11568, H 01L 21/28273, H 01L 27/10885
438/263	H 01L 27/115, H 01L 27/11521, H 01L 21/28273, H 01L 29/7883, H 01L 27/11517
438/264	H 01L 27/115, H 01L 27/11521, H 01L 21/28273, H 01L 29/66825, H 01L 29/42324
438/265	H 01L 21/28273, H 01L 27/11521, H 01L 27/115, H 01L 29/66825, H 01L 29/42324
438/266	H 01L 27/115, H 01L 27/11521, H 01L 21/28273, H 01L 29/42324, H 01L 29/66825
438/267	H 01L 27/115, H 01L 27/11521, H 01L 21/28273, H 01L 29/66825, H 01L 29/42324
438/268	H 01L 29/7802, H 01L 29/66712, H 01L 29/1095, H 01L 29/7813, H 01L 29/7827
438/269	H 01L 29/7827, H 01L 29/66666, H 01L 29/0634, H 01L 29/7813, H 01L 29/7802
438/270	H 01L 29/7813, H 01L 29/66734, H 01L 29/4236, H 01L 29/42368, H 01L 29/1095
438/271	H 01L 29/4236, H 01L 29/7813, H 01L 29/0847, H 01L 29/1095, H 01L 29/7827
438/272	H 01L 29/7813, H 01L 27/10876, H 01L 29/66621, H 01L 27/10823, H 01L 29/66734
438/273	H 01L 29/7802, H 01L 29/66712, H 01L 29/1095, H 01L 29/41766, H 01L 29/0696
438/274	H 01L 29/41766, H 01L 29/7802, H 01L 29/41741, H 01L 21/2255, H 01L 29/1095
438/275	H 01L 21/823462, H 01L 27/112, H 01L 27/105, H 01L 21/823842, H 01L 21/823857
438/276	H 01L 27/112, H 01L 27/1126, H 01L 21/823412,

	H 01L 21/26586, H 01L 21/823807
438/277	H 01L 27/1126, H 01L 27/112, H 01L 21/28273, H 01L 21/00, H 01L 21/033
438/278	H 01L 27/112, H 01L 27/1126, H 01L 27/11266, G 11C 17/12, G 11C 11/5692
438/279	H 01L 21/76897, H 01L 21/823462, H 01L 21/823425, H 01L 27/10894, H 01L 27/10873
438/280	H 01L 23/535, H 01L 21/033, H 01L 21/28525, H 01L 21/32, H 01L 21/743
438/281	H 01L 23/5258, H 01L 27/0266, H 01L 23/5256, H 01L 23/5252, G 11C 17/16
438/282	H 01L 29/66621, H 01L 29/78, H 01L 29/1083, H 01L 21/823412, H 01L 29/0847
438/283	H 01L 29/66795, H 01L 29/785, H 01L 29/66772, H 01L 29/78645, H 01L 29/78648
438/284	H 01L 29/66772, H 01L 29/785, H 01L 29/42392, H 01L 21/84, H 01L 29/66795
438/285	H 01L 29/1054, H 01L 29/66636, H 01L 29/7848, H 01L 21/823807, H 01L 29/78
438/286	H 01L 29/66659, H 01L 29/7835, H 01L 21/26586, H 01L 29/1045, H 01L 29/0847
438/287	H 01L 29/518, H 01L 29/513, H 01L 29/517, H 01L 21/28194, H 01L 21/28202
438/288	H 01L 21/28282, H 01L 27/11568, H 01L 29/792, H 01L 29/42332, H 01L 21/28273
438/289	H 01L 29/6659, H 01L 29/66537, H 01L 29/1083, H 01L 21/823807, H 01L 21/26586
438/290	H 01L 29/6659, H 01L 21/823807, H 01L 29/00, H 01L 29/105, H 01L 29/1083
438/291	H 01L 29/66537, H 01L 29/1083, H 01L 29/66583, H 01L 29/6659, H 01L 29/78
438/292	B 01J 2219/00783, B 01J 2219/00828, B 01J 2219/00853, B 01J 2219/00873, B 01L 3/5027
438/293	H 01L 21/26506, H 01L 21/268, H 01L 29/165, H 01L 29/6656, H 01L 29/6659

438/294	H 01L 21/823481, H 01L 21/76232, H 01L 29/66575, H 01L 21/823878, H 01L 21/84
438/295	H 01L 21/76224, H 01L 21/76232, H 01L 21/76264, H 01L 21/76281, H 01L 27/1203
438/296	H 01L 21/76224, H 01L 21/76232, H 01L 21/823481, H 01L 21/76229, H 01L 21/823878
438/297	H 01L 29/66575, H 01L 29/6659, H 01L 29/78, H 01L 21/76202, H 01L 29/41783
438/298	H 01L 21/76216, H 01L 21/2652, H 01L 29/6659, H 01L 21/26586, H 01L 21/266
438/299	H 01L 29/6659, H 01L 29/665, H 01L 29/66545, H 01L 29/6656, H 01L 29/66636
438/300	H 01L 29/66628, H 01L 29/66636, H 01L 29/665, H 01L 29/7848, H 01L 29/41783
438/301	H 01L 29/6659, H 01L 29/66575, H 01L 29/7833, H 01L 29/665, H 01L 29/6656
438/302	H 01L 21/26586, H 01L 29/6659, H 01L 29/1083, H 01L 29/7833, H 01L 29/66492
438/303	H 01L 29/6659, H 01L 29/665, H 01L 29/6656, H 01L 29/7833, H 01L 29/6653
438/304	H 01L 29/6659, H 01L 29/6656, H 01L 29/7836, H 01L 29/4983, H 01L 21/28105
438/305	H 01L 29/6659, H 01L 29/665, H 01L 29/6656, H 01L 29/7833, H 01L 21/26506
438/306	H 01L 29/6659, H 01L 29/1083, H 01L 29/7833, H 01L 21/26513, H 01L 29/0847
438/307	H 01L 29/6659, H 01L 29/7833, H 01L 21/26513, H 01L 29/0847, H 01L 29/1083
438/308	H 01L 21/268, H 01L 21/324, H 01L 21/26513, H 01L 29/6659, H 01L 29/66757
438/309	H 01L 29/66272, H 01L 29/66242, H 01L 21/8249, H 01L 29/66287, H 01L 29/00
438/310	H 01L 21/00, H 01L 21/3221, H 01L 29/00, H 01L 29/66272, H 01L 21/26506
438/311	H 01L 27/1203, H 01L 21/84, H 01L 29/66772, H

	01L 29/66265, H 01L 29/7317
438/312	H 01L 29/66242, H 01L 29/66318, H 01L 29/7371, H 01L 29/7378, H 01L 29/0821
438/313	H 01L 27/0605, H 01L 27/0826, H 01L 29/66242, H 01L 29/7378, H 01L 21/82285
438/314	H 01L 21/8252, H 01L 27/0605, H 01L 29/66318, H 01L 27/0658, H 01L 29/7371
438/315	H 01L 29/7371, H 01L 29/66318, H 01L 29/7327, H 01L 27/115, H 01L 27/11521
438/316	H 01L 29/735, H 01L 27/082, H 01L 29/6625, G 03F 7/0035, H 01L 21/0338
438/317	H 01L 29/7371, H 01L 29/66318, H 01L 29/66242, H 01L 29/1004, H 01L 29/7375
438/318	H 01L 29/66242, H 01L 29/7371, H 01L 29/7378, H 01L 29/0821, H 01L 29/66318
438/319	H 01L 29/66318, H 01L 29/7371, H 01L 21/7682, H 01L 29/66242, H 01F 41/041
438/320	H 01L 29/66242, H 01L 29/66318, H 01L 29/7371, H 01L 29/7378, H 01L 29/66272
438/321	H 01L 29/66242, H 01L 29/66287, H 01L 29/0804, H 01L 29/732, H 01L 29/1004
438/322	H 01L 21/82285, H 01L 27/0826, H 01L 21/761, H 01L 21/74, H 01L 21/8228
438/323	H 01L 21/8226, H 01L 21/033, H 01L 27/0233, H 01L 21/2257, H 01L 21/28518
438/324	H 01L 21/8226, H 01L 27/0244, H 01L 27/0233, H 01L 21/743, H 01L 21/8222
438/325	H 01L 21/8226, H 01L 27/0233, H 01L 21/033, H 01L 21/8222, H 01L 21/8224
438/326	H 01L 27/0826, H 01L 21/82285, H 01L 21/74, H 01L 21/761, H 01L 27/0244
438/327	H 01L 27/0821, H 01L 21/8224, H 01L 21/76202, H 01L 29/6625, H 01L 21/743
438/328	H 01L 21/8222, H 01L 29/866, H 01L 27/0766, H 01L 29/872, H 01L 21/761

438/329	H 01L 21/8222, H 01L 27/0658, H 01L 28/40, H 01L 27/0288, H 01L 2224/16
438/330	H 01L 21/28525, H 01L 28/20, H 01L 21/8222, H 01L 29/66272, H 01L 21/033
438/331	H 01L 21/8222, H 01L 27/0658, H 01L 28/20, H 01L 21/28525, H 01L 29/8605
438/332	H 01L 21/8222, H 01L 27/0658, H 01L 21/00, H 01L 21/26513, H 01L 21/74
438/333	G 01R 31/30, H 01L 21/2257, H 01L 21/30604, H 01L 21/30608, H 01L 21/76297
438/334	H 01L 21/26513, H 01L 21/74, H 01L 29/36, H 01L 29/7327, H 01L 21/2254
438/335	H 01L 29/735, H 01L 21/00, H 01L 21/2253, H 01L 21/2257, H 01L 27/0259
438/336	H 01L 21/26586, H 01L 21/8224, H 01L 29/735, H 01L 21/2257, H 01L 21/26506
438/337	H 01L 29/735, H 01L 21/76237, H 01L 21/265, H 01L 29/6625, H 01L 21/30608
438/338	H 01L 21/8222, H 01L 21/00, H 01L 21/22, H 01L 27/00, H 01L 27/0825
438/339	H 01L 29/735, H 01L 29/6625, H 01L 21/033, H 01L 21/00, H 01L 21/8224
438/340	H 01L 21/8222, H 01L 27/0825, H 01L 21/761, H 01L 21/74, H 01L 21/8249
438/341	H 01L 29/66287, H 01L 29/66242, H 01L 21/8249, H 01L 29/66272, H 01L 29/732
438/342	H 01L 29/00, H 01L 21/00, H 01L 29/0804, H 01L 29/66303, H 01L 21/2257
438/343	H 01L 29/66287, H 01L 29/0804, H 01L 29/66272, H 01L 29/732, H 01L 29/00
438/344	H 01L 21/00, H 01L 23/29, H 01L 29/7378, H 01L 21/02129, H 01L 21/02164
438/345	H 01L 29/66272, H 01L 29/1004, H 01L 21/76202, H 01L 29/732, H 01L 21/763
438/346	H 01L 21/00, H 01L 29/00, H 01L 21/02164, H

	01L 21/022, H 01L 21/22
438/347	H 01L 29/7722, H 01L 27/00, H 01L 27/0605, H 01L 29/66424, H 01L 29/66454
438/348	H 01L 29/66272, H 01L 21/28525, H 01L 29/1004, H 01L 29/66287, H 01L 29/732
438/349	H 01L 27/00, H 01L 21/00, H 01L 21/74, H 01L 29/0826, H 01L 21/3086
438/350	H 01L 29/66272, H 01L 29/1004, H 01L 29/00, H 01L 21/00, H 01L 29/66242
438/351	H 01L 21/00, H 01L 29/00, H 01L 21/24, H 01L 21/56, C 30B 31/04
438/352	H 01L 21/00, H 01L 29/00, H 01L 21/24, H 01L 29/73, H 01L 21/228
438/353	H 01L 21/00, H 01L 21/76294, H 01L 21/2018, H 01L 21/76224, H 01L 21/764
438/354	C 30B 29/06, C 30B 33/005, H 01L 21/02238, H 01L 21/02255, H 01L 21/02304
438/355	H 01L 21/76297, H 01L 21/76264, H 01L 21/00, H 01L 27/00, H 01L 21/743
438/356	H 01L 21/00, H 01L 21/8222, H 01L 21/033, H 01L 21/28525, H 01L 21/761
438/357	H 01L 21/761, H 01L 21/74, H 01L 21/00, H 01L 21/8222, H 01L 27/00
438/358	H 01L 21/74, H 01L 21/761, H 01L 21/8249, H 01L 29/1004, H 01L 21/2205
438/359	H 01L 21/76232, H 01L 21/033, H 01L 21/76229, H 01L 29/66272, H 01L 21/743
438/360	H 01L 21/743, H 01L 21/76264, H 01L 21/763, G 02B 6/136, G 02B 2006/12061
438/361	H 01L 21/763, H 01L 21/743, H 01L 21/76224, H 01L 29/66272, H 01L 21/76202
438/362	H 01L 29/66272, H 01L 21/32, H 01L 21/28525, H 01L 21/76216, H 01L 21/02238
438/363	H 01L 29/66272, H 01L 21/74, H 01L 21/76897, H 01L 21/28525, H 01L 29/1004

438/364	H 01L 29/66272, H 01L 29/66242, H 01L 29/0804, H 01L 29/66287, H 01L 29/1004
438/365	H 01L 29/66272, H 01L 21/28525, H 01L 21/2257, H 01L 21/033, H 01L 29/0804
438/366	H 01L 29/66272, H 01L 21/28525, H 01L 21/76897, H 01L 29/66287, H 01L 29/7322
438/367	H 01L 29/66272, H 01L 21/28525, H 01L 29/7322, H 01L 21/76897, H 01L 29/0804
438/368	H 01L 29/66272, H 01L 21/2257, H 01L 27/1463, H 01L 29/1004, H 01L 29/42304
438/369	H 01L 29/66272, H 01L 21/00, H 01L 29/1004, H 01L 21/033, H 01L 29/00
438/370	H 01L 29/66272, H 01L 21/00, H 01L 21/2652, H 01L 29/0821, H 01L 21/033
438/371	H 01L 21/00, H 01L 29/167, H 01L 21/2255, H 01L 29/00, H 01L 21/8222
438/372	H 01L 21/00, H 01L 29/00, H 01L 23/291, H 01L 23/29, H 01L 23/485
438/373	H 01L 21/823842, H 01L 21/823835, H 01L 21/823814, H 01L 29/665, H 01L 29/6659
438/374	H 01L 29/66272, H 01L 29/0804, H 01L 29/1004, H 01L 21/00, H 01L 21/033
438/375	H 01L 29/00, H 01L 21/00, H 01L 29/73, H 01L 21/22, H 01L 21/288
438/376	H 01L 29/00, H 01L 21/00, H 01L 21/2255, C 30B 31/06, H 01L 21/02238
438/377	H 01L 21/00, H 01L 23/291, H 01L 29/00, H 01L 27/00, H 01L 29/1004
438/378	H 01L 21/00, G 11C 17/16, H 01L 21/2026, H 01L 21/324, G 11C 13/0069
438/379	H 01L 29/93, H 01L 29/66174, H 01L 29/94, H 01L 27/0808, H 01L 29/00
438/380	H 01L 29/866, H 01L 29/00, H 01L 29/864, H 01L 27/0255, H 01L 21/00
438/381	H 01L 28/10, H 01L 23/5227, H 01L 27/08, H 01L

	28/40, H 01L 2924/3011
438/382	H 01L 28/20, H 01L 27/0802, H 01L 29/8605, H 01L 27/1112, H 01L 27/11
438/383	H 01L 29/8605, H 01L 21/00, H 01L 29/66166, H 01L 29/00, H 01L 21/26513
438/384	H 01L 28/20, H 01L 28/24, H 01L 27/1112, H 01L 27/11, H 01L 27/0802
438/385	H 01L 28/20, H 01L 27/1112, H 01L 21/32155, H 01L 28/24, H 01L 27/11
438/386	H 01L 29/66181, H 01L 27/1087, H 01L 27/10861, H 01L 28/91, H 01L 27/10852
438/387	H 01L 28/91, H 01L 27/10852, H 01L 27/10817, H 01L 27/10888, H 01L 28/40
438/388	H 01L 29/945, H 01L 27/10829, H 01L 29/66181, H 01G 4/228, H 01G 4/30
438/389	H 01L 27/10829, H 01L 29/66181, H 01L 29/945, H 01L 27/10852, H 01L 27/10867
438/390	H 01L 21/26586, H 01L 29/66181, H 01L 29/0653, H 01L 29/0847, H 01L 29/66659
438/391	H 01L 29/66181, H 01L 21/31612, H 01L 21/76224, H 01L 21/76232, H 01L 27/10861
438/392	H 01L 27/1087, H 01L 27/10861, H 01L 27/10867, H 01L 27/1203, H 01L 29/66181
438/393	H 01L 28/40, H 01L 28/60, H 01L 28/55, H 01L 23/5223, H 01L 28/75
438/394	H 01L 29/94, H 01L 27/0805, H 01L 28/40, H 01L 21/26513, H 01L 29/66181
438/395	H 01L 27/0203, H 01L 29/93, H 01L 23/5286, H 01L 27/1085, H 01L 27/118
438/396	H 01L 27/10852, H 01L 28/91, H 01L 28/40, H 01L 27/10817, H 01L 28/55
438/397	H 01L 27/10852, H 01L 27/10817, H 01L 28/91, H 01L 28/87, H 01L 28/90
438/398	H 01L 28/84, H 01L 27/10852, H 01L 28/90, H 01L 28/91, H 01L 28/82

438/399	H 01L 28/40, H 01L 28/55, H 01L 28/60, H 01G 4/33, H 01L 28/65
438/400	H 01L 21/76224, H 01L 21/76229, H 01L 21/2018, H 01L 21/76232, H 01L 21/76264
438/401	H 01L 23/544, H 01L 2223/54453, H 01L 2223/54426, G 03F 9/7084, H 01L 2223/5442
438/402	H 01L 21/3221, H 01L 21/3226, H 01L 21/3225, H 01L 21/32, H 01L 21/76264
438/403	H 01L 21/7605, H 01L 21/00, H 01L 21/76, H 01L 21/84, H 01L 27/1203
438/404	H 01L 21/76264, H 01L 21/76297, H 01L 21/00, H 01L 21/76275, H 01L 21/76281
438/405	H 01L 21/76264, H 01L 21/76275, H 01L 21/76286, H 01L 21/84, H 01L 21/7624
438/406	H 01L 21/76264, H 01L 21/76275, H 01L 21/76254, H 01L 21/2007, H 01L 21/76251
438/407	H 01L 21/76243, H 01L 21/76264, H 01L 21/76254, H 01L 21/76267, H 01L 21/26533
438/408	H 01L 21/00, H 01L 21/3063, H 01L 21/76297, H 01L 21/76264, H 01L 21/76283
438/409	H 01L 21/02203, H 01L 21/306, H 01L 21/31695, H 01L 21/7682, H 01L 21/76264
438/410	H 01L 21/76264, H 01L 21/76281, H 01L 21/32, H 01L 21/76229, H 01L 21/84
438/411	H 01L 21/764, H 01L 2924/01079, H 01L 2924/14, H 01L 2924/01005, H 01L 2924/01015
438/412	H 01L 21/76264, H 01L 21/76283, H 01L 21/86, H 01L 21/84, H 01L 21/2018
438/413	H 01L 21/76297, H 01L 21/00, H 01L 21/2018, H 01L 21/76264, C 30B 25/18
438/414	H 01L 21/761, H 01L 27/0255, H 01L 27/0814, H 01L 29/861, H 01J 3/022
438/415	C 30B 13/02, H 01L 21/24, H 01L 21/761, C 30B 13/06, H 01L 21/40
438/416	H 01L 21/761, H 01L 21/2018, H 01L 21/00, H

	01L 21/20, H 01L 21/2015
438/417	H 01L 21/763, H 01L 21/8222, H 01L 21/00, H 01L 29/0821, G 01C 21/16
438/418	H 01L 21/761, H 01L 21/763, H 01L 21/823892, H 01L 29/78, H 01L 21/02417
438/419	H 01L 21/761, H 01L 21/74, H 01L 29/00, H 01L 21/8222, H 01L 21/00
438/420	H 01L 21/823892, H 01L 27/0928, H 01L 21/266, H 01L 21/2253, H 01L 21/033
438/421	H 01L 21/7682, H 01L 23/5222, H 01L 21/764, H 01L 21/763, H 01L 23/53295
438/422	H 01L 21/7682, H 01L 21/764, H 01L 23/5222, H 01L 21/76885, H 01L 23/5329
438/423	H 01L 21/76243, H 01L 21/76213, H 01L 21/26506, H 01L 21/26533, H 01L 21/76267
438/424	H 01L 21/76224, H 01L 21/76232, H 01L 21/76229, H 01L 21/823481, H 01L 21/76235
438/425	H 01L 21/76202, H 01L 21/76224, H 01L 21/76235, H 01L 21/76232, H 01L 21/763
438/426	H 01L 21/763, H 01L 21/76224, H 01L 21/76235, H 01L 21/76202, H 01L 21/76232
438/427	H 01L 21/76229, H 01L 21/76232, H 01L 21/31053, H 01L 21/76224, H 01L 21/763
438/428	H 01L 21/76224, H 01L 21/02164, H 01L 21/02263, H 01L 21/02282, H 01L 21/2254
438/429	H 01L 21/76224, H 01L 21/2018, H 01L 21/76294, H 01L 21/763, H 01L 21/743
438/430	H 01L 21/763, H 01L 21/76224, H 01L 21/76229, H 01L 21/823878, H 01L 21/765
438/431	H 01L 21/76224, H 01L 21/76227, H 01L 21/76229, H 01L 21/76202, H 01L 21/76235
438/432	H 01L 21/763, H 01L 21/76264, B 82Y 10/00, H 01L 21/76202, H 01L 21/76205
438/433	H 01L 21/76237, H 01L 21/76224, H 01L 21/76232, H 01L 21/823481, H 01L 21/823878

438/434	H 01L 21/76237, H 01L 21/76224, H 01L 27/1203, H 01L 21/2255, H 01L 21/31155
438/435	H 01L 21/76224, H 01L 21/76232, H 01L 21/76229, H 01L 21/02164, H 01L 21/31612
438/436	H 01L 21/76224, H 01L 21/02164, H 01L 21/76229, C 23C 16/045, H 01L 21/02271
438/437	H 01L 21/76224, H 01L 21/76229, H 01L 21/76232, H 01L 21/31053, H 01L 21/02164
438/438	H 01L 21/02282, H 01L 21/76229, H 01L 21/02164, H 01L 21/02222, H 01L 21/02337
438/439	H 01L 21/76202, H 01L 21/32, H 01L 21/76205, H 01L 21/76216, H 01L 21/31662
438/440	H 01L 21/76213, H 01L 21/31662, H 01L 21/02238, H 01L 21/02299, H 01L 21/32
438/441	H 01L 21/76245, H 01L 21/02238, H 01L 21/31675, H 01L 21/02203, H 01L 21/02255
438/442	H 01L 21/32, H 01L 21/76216, H 01L 21/76205, H 01L 21/76202, H 01L 21/02255
438/443	H 01L 21/76202, H 01L 21/32, H 01L 21/76221, H 01L 21/76216, H 01L 21/823892
438/444	H 01L 21/76205, H 01L 21/32, H 01L 21/7621, H 01L 21/00, H 01L 21/76232
438/445	H 01L 21/32, H 01L 21/76205, H 01L 21/0337, H 01L 21/76202, H 01L 21/7621
438/446	H 01L 21/32, H 01L 21/76205, H 01L 21/76227, H 01L 21/28097, H 01L 21/76202
438/447	H 01L 21/32, H 01L 21/00, H 01L 21/76205, H 01L 21/033, H 01L 21/76202
438/448	H 01L 21/32, H 01L 21/76202, H 01L 21/76216, H 01L 21/76205, H 01L 21/76213
438/449	H 01L 21/76216, H 01L 21/32, H 01L 21/76202, H 01L 21/02238, H 01L 21/02255
438/450	H 01L 21/76216, H 01L 21/76202, H 01L 21/76218, H 01L 21/823878, H 01L 21/32
438/451	H 01L 21/76218, H 01L 21/823892, H 01L

	21/823878, H 01L 27/0928, H 01L 21/762
438/452	H 01L 21/76202, H 01L 21/76221, H 01L 21/32, H 01L 21/02255, H 01L 21/02238
438/453	H 01L 21/76802, H 01L 21/76889, H 01L 21/76895, H 01L 27/115, H 01L 21/28052
438/454	H 01L 29/402, H 01L 21/765, H 01L 23/585, H 01L 29/404, H 01L 29/7835
438/455	H 01L 21/76254, H 01L 21/2007, H 01L 21/76251, H 01L 21/187, H 01L 2924/14
438/456	H 01L 2924/01079, H 01L 23/10, H 01L 2924/01078, H 01L 2924/14, B 81C 1/00269
438/457	H 01L 21/2007, H 01L 21/76254, H 01L 21/76251, H 01L 2924/3511, H 01L 21/67092
438/458	H 01L 21/76254, H 01L 27/1214, H 01L 27/1266, H 01L 21/2007, H 01L 21/6835
438/459	H 01L 21/76251, H 01L 21/76254, H 01L 21/2007, H 01L 21/76256, H 01L 21/6835
438/460	H 01L 21/78, H 01L 21/6836, H 01L 2221/68327, H 01L 21/6835, H 01L 2924/14
438/461	H 01L 2924/01013, H 01L 2924/01079, H 01L 23/4822, H 01L 2924/01029, H 01L 2924/14
438/462	H 01L 21/78, H 01L 23/544, H 01L 2924/14, H 01L 21/6836, H 01L 2223/54453
438/463	B 23K 26/4075, H 01L 21/78, B 23K 2201/40, B 28D 5/0011, B 23K 26/0057
438/464	H 01L 21/78, H 01L 21/6835, H 01L 21/6836, H 01L 2221/68327, H 01L 2924/01079
438/465	H 01L 21/78, H 01L 21/3043, H 01L 21/00, H 01L 21/6836, H 01L 2221/68327
438/466	H 01L 27/24, H 01L 21/00, H 01L 21/76838, H 01L 45/04, C 23C 18/1603
438/467	H 01L 23/5252, H 01L 23/5256, H 01L 21/76888, H 01L 27/0251, H 01L 2924/3011
438/468	H 01L 21/00, H 01L 29/00, H 01L 21/222, H 01L 21/24, C 30B 31/02

438/469	H 01L 21/00, B 22F 9/14, B 23H 1/00, B 23H 9/14, C 23C 14/06
438/470	H 01L 21/00, H 01L 21/24, C 30B 31/04, H 01L 29/06, C 22F 3/00
438/471	H 01L 21/3225, H 01L 21/3221, C 30B 29/06, H 01L 29/66757, H 01L 21/00
438/472	H 01L 21/3221, H 01L 21/02016, H 01L 21/268, H 01L 21/3046, B 82Y 10/00
438/473	H 01L 21/3221, H 01L 21/26506, H 01L 21/268, H 01L 21/3225, H 01L 21/3226
438/474	H 01L 29/00, H 01L 21/3105, H 01L 21/0234, H 01L 21/3221, H 01L 21/76826
438/475	H 01L 21/3003, H 01L 21/76254, H 01L 21/324, H 01L 21/26506, H 01L 21/28176
438/476	H 01L 21/3221, H 01L 21/00, H 01L 21/2022, H 01L 21/3226, H 01L 21/3225
438/477	H 01L 21/02238, H 01L 21/02255, H 01L 21/31662, H 01L 21/00, H 01L 21/3105
438/478	H 01L 21/0262, H 01L 21/02532, C 30B 25/02, H 01L 21/02381, H 01L 21/0254
438/479	H 01L 21/02532, H 01L 21/0254, H 01L 21/0262, H 01L 21/02458, H 01L 21/02381
438/480	H 01L 21/76243, H 01L 21/26533, H 01L 21/76267, H 01L 21/76254, H 01L 21/76264
438/481	H 01L 21/02639, H 01L 21/0254, H 01L 21/0262, H 01L 21/02381, H 01L 21/02647
438/482	H 01L 21/205, C 23C 16/24, H 01L 31/202, H 01L 21/02532, H 01L 29/66765
438/483	H 01L 21/0254, H 01L 21/0262, H 01L 21/02458, H 01L 21/02381, H 01L 21/02502
438/484	C 23C 16/545, H 01L 31/202, C 23C 16/24, C 23C 16/458, C 23C 16/46
438/485	H 01L 21/205, C 23C 16/24, H 01L 31/202, C 23C 16/509, C 23C 16/5096
438/486	H 01L 29/66757, H 01L 21/2022, H 01L 27/1214,

	H 01L 29/78675, H 01L 21/02532
438/487	H 01L 21/2026, H 01L 27/1214, H 01L 29/66757, H 01L 21/268, B 23K 26/0656
438/488	C 23C 16/24, H 01L 21/205, H 01L 21/02532, H 01L 21/0262, C 30B 29/06
438/489	H 01L 21/2018, H 01L 21/00, H 01L 29/66757, B 82Y 10/00, C 30B 25/02
438/490	C 30B 15/007, C 30B 11/001, C 30B 15/06, C 01B 33/02, C 30B 11/00
438/491	H 01L 21/32155, H 01L 29/04, H 01L 21/205, H 01L 21/28061, H 01L 29/66757
438/492	H 01L 21/00, H 01L 21/02381, H 01L 21/2018, H 01L 21/0245, H 01L 21/02532
438/493	H 01L 21/02381, H 01L 21/0262, H 01L 21/02658, B 82Y 10/00, H 01L 21/0245
438/494	H 01L 21/02381, H 01L 21/02532, B 82Y 10/00, H 01L 21/2018, H 01L 21/0245
438/495	H 01L 21/02532, H 01L 21/0262, C 30B 25/02, C 30B 29/06, H 01L 21/02381
438/496	B 82Y 10/00, G 03F 7/0002, H 01L 21/02532, B 81C 1/00031, B 81C 2201/0185
438/497	B 82Y 30/00, B 82Y 10/00, C 30B 7/00, G 11C 2213/81, B 01J 37/34
438/498	B 82Y 10/00, H 01L 21/00, H 01L 21/3083, H 01L 21/3086, H 01L 21/31144
438/499	H 01L 21/74, C 30B 11/14, C 30B 19/12, C 30B 29/06, C 30B 29/52
438/500	H 01L 21/2085, B 82Y 30/00, B 82Y 10/00, B 82Y 20/00, H 01L 21/00
438/501	H 01L 21/00, H 01L 29/00, C 30B 13/00, H 01L 21/02409, H 01L 21/0256
438/502	C 30B 29/06, C 30B 33/00, H 01L 21/02628, H 01L 21/208, H 01L 21/67115
438/503	H 01L 21/0262, C 30B 25/02, H 01L 21/02639, B 82Y 10/00, C 30B 29/403

438/504	H 01L 21/00, H 01L 21/0262, H 01L 21/2018, B 82Y 10/00, H 01L 21/02381
438/505	H 01L 21/02579, H 01L 21/0262, H 01L 21/0254, H 01L 21/02546, H 01L 21/02576
438/506	H 01L 21/74, H 01L 21/324, H 01L 21/76254, C 30B 25/02, C 30B 25/18
438/507	H 01L 21/0262, C 30B 25/02, H 01L 21/02381, H 01L 21/0254, H 01L 21/02546
438/508	H 01L 21/00, H 01L 21/02631, H 01L 21/2258, H 01L 21/3245, C 23C 16/24
438/509	H 01L 21/02381, C 30B 25/02, H 01L 21/02532, C 30B 33/00, H 01L 21/0245
438/510	H 01L 21/26513, H 01L 21/324, H 01L 29/6659, H 01L 21/2236, H 01L 21/26506
438/511	H 01L 21/26506, H 01L 21/182, B 82Y 20/00, H 01L 21/26586, H 01S 5/3413
438/512	H 01L 21/261, C 30B 31/20, H 01L 21/00, H 01L 21/263, H 01L 21/324
438/513	H 01L 21/2236, H 01J 37/32412, H 01L 21/26513, H 01L 21/223, H 01J 37/321
438/514	H 01L 21/26513, H 01L 21/265, H 01L 21/266, H 01J 37/3171, H 01L 29/6659
438/515	H 01L 21/26513, H 01L 21/26506, H 01L 21/2236, H 01L 21/823842, H 01L 21/2658
438/516	H 01L 21/265, H 01L 21/266, H 01J 2237/31701, H 01L 21/00, H 01L 21/26513
438/517	H 01L 21/268, H 01L 29/6659, H 01L 21/2026, H 01L 21/26506, H 01L 21/26513
438/518	H 01L 21/02381, H 01L 21/0245, H 01L 29/1054, C 30B 25/02, C 30B 31/22
438/519	H 01L 21/26513, H 01L 29/1608, H 01L 29/6659, H 01L 21/046, H 01L 21/0445
438/520	H 01L 21/26506, H 01L 29/6659, H 01L 21/265, H 01L 21/2654, H 01L 21/26586
438/521	H 01L 21/0465, H 01L 21/2654, H 01L 21/26546,

	H 01L 21/26553, H 01L 21/266
438/522	H 01L 21/3245, H 01L 21/26546, H 01L 21/324, H 01L 29/66068, H 01L 21/046
438/523	H 01L 21/28575, H 01L 21/28581, H 01L 21/8252, H 01L 23/5329, H 01L 29/45
438/524	H 01L 21/26586, H 01L 21/76237, H 01L 21/266, H 01L 21/265, H 01L 21/26513
438/525	H 01L 21/26586, H 01L 21/26506, H 01L 29/66659, H 01L 29/7835, H 01L 21/823807
438/526	H 01L 21/2652, H 01L 21/26506, H 01L 21/266, H 01L 21/74, H 01L 21/76895
438/527	H 01L 21/26513, H 01L 21/26506, H 01L 21/823892, H 01L 29/6659, H 01L 21/266
438/528	H 01L 21/26506, H 01L 21/26513, H 01L 29/6659, H 01L 29/665, H 01L 21/28518
438/529	H 01L 29/6659, H 01L 29/1083, H 01L 21/2257, H 01L 21/26513, H 01L 21/26586
438/530	H 01L 21/324, H 01L 21/26513, H 01L 21/268, H 01L 29/6659, H 01L 21/26506
438/531	H 01L 21/266, H 01L 21/033, H 01L 21/00, H 01L 21/2257, H 01L 31/1804
438/532	H 01L 21/28061, H 01L 21/823842, H 01L 29/4966, H 01L 21/2257, H 01L 21/28088
438/533	H 01L 21/28518, H 01L 21/76895, H 01L 21/28512, H 01L 21/76802, H 01L 21/76897
438/534	H 01L 29/872, H 01L 29/47, H 01L 29/66143, H 01L 21/26513, H 01L 21/28537
438/535	H 01L 21/268, H 01L 21/00, H 01L 21/223, H 01L 21/2254, H 01L 21/2255
438/536	H 01L 21/26526, H 01L 21/324, H 01L 21/00, H 01L 21/22, H 01L 21/263
438/537	H 01L 21/00, H 01L 21/24, H 01L 29/00, C 30B 31/04, H 01L 23/291
438/538	H 01L 21/00, C 30B 31/04, H 01L 21/24, B 23K 35/00, B 23K 35/36

438/539	H 01L 21/00, C 30B 31/04, H 01L 21/24, H 01L 29/00, H 01L 21/18
438/540	H 01L 21/00, H 01L 21/24, H 01L 29/00, C 30B 31/04, H 01L 21/228
438/541	H 01L 21/00, H 01L 21/24, H 01L 21/228, H 01L 29/00, H 01L 21/22
438/542	H 01L 21/00, H 01L 29/00, H 01L 21/02238, H 01L 21/02255, H 01L 21/31662
438/543	H 01L 21/00, H 01L 21/221, H 01L 29/00, H 01L 29/167, H 01L 21/288
438/544	H 01L 21/00, C 30B 31/06, C 30B 15/04, C 30B 31/14, C 30B 31/165
438/545	H 01L 21/00, H 01L 21/033, H 01L 21/2252, H 01L 21/2255, H 01L 29/866
438/546	H 01L 21/00, H 01L 21/2255, H 01L 29/00, H 01L 21/033, H 01L 21/22
438/547	H 01L 21/00, C 30B 31/06, H 01L 21/22, H 01L 21/223, H 01L 21/2255
438/548	H 01L 21/00, H 01L 21/2255, C 30B 31/02, H 01L 21/22, H 01L 21/2254
438/549	H 01L 21/00, H 01L 29/00, H 01L 29/6659, C 30B 31/02, H 01L 21/2255
438/550	C 30B 31/12, H 01L 21/00, C 30B 31/14, H 01L 21/223, H 01L 21/268
438/551	H 01L 21/00, H 01L 21/32139, H 01L 21/0337, H 01L 23/291, H 01L 21/0332
438/552	H 01L 21/00, H 01L 21/033, H 01L 23/291, H 01L 21/02164, H 01L 21/022
438/553	H 01L 21/00, H 01L 21/0332, H 01L 21/288, H 01L 23/291, G 03F 7/0042
438/554	H 01L 21/00, H 01L 21/02238, H 01L 21/02255, H 01L 29/00, H 01L 21/31662
438/555	H 01L 21/2255, H 01L 21/28518, H 01L 21/28587, C 23C 16/40, H 01L 21/00
438/556	H 01L 21/033, C 23C 16/401, H 01L 21/02131, H

	01L 21/02274, H 01L 21/2257
438/557	Y 02E 10/50, C 30B 31/04, H 01L 21/00, H 01L 21/388, H 01L 31/1804
438/558	H 01L 21/2254, H 01L 21/2255, H 01L 21/00, C 30B 31/02, H 01L 21/28518
438/559	H 01L 21/2258, H 01L 21/2255, H 01L 21/00, H 01L 23/291, H 01L 21/316
438/560	H 01L 21/00, C 30B 31/02, H 01L 21/2252, H 01L 21/2254, H 01L 21/2255
438/561	H 01L 21/2257, H 01L 21/2255, H 01L 29/66181, H 01L 21/28525, H 01L 21/3083
438/562	H 01L 21/2254, H 01L 21/2255, H 01L 21/2225, H 01L 21/225, H 01L 21/316
438/563	H 01L 21/2255, H 01L 21/00, H 01L 21/02129, H 01L 21/02271, C 30B 31/02
438/564	H 01L 21/2257, H 01L 29/41783, H 01L 29/66575, H 01L 21/28525, H 01L 29/6659
438/565	H 01L 21/00, H 01L 21/223, C 30B 31/06, H 01L 29/00, H 01L 21/2254
438/566	H 01L 21/00, C 30B 31/06, H 01L 21/223, H 01L 21/2252, C 30B 31/02
438/567	H 01L 21/223, H 01L 21/2225, C 30B 31/165, H 01L 21/00, C 30B 31/02
438/568	H 01L 21/00, C 30B 31/06, C 30B 31/10, C 30B 31/165, C 30B 1/10
438/569	H 01L 21/2233, H 01L 21/00, C 30B 31/06, C 30B 31/165, H 01L 21/02164
438/570	H 01L 29/872, H 01L 29/66143, H 01L 21/00, H 01L 29/47, H 01L 21/28537
438/571	H 01L 29/66863, H 01L 21/28587, H 01L 29/812, H 01L 29/42316, H 01L 29/872
438/572	H 01L 21/28581, H 01L 29/475, H 01L 29/00, H 01L 21/00, H 01L 23/485
438/573	H 01L 21/28581, H 01L 29/475, H 01L 29/66863, H 01L 29/872, H 01L 21/28587

438/574	H 01L 21/28587, H 01L 29/66863, H 01L 21/28581, H 01L 29/42316, H 01L 21/28114
438/575	H 01L 29/475, H 01L 29/872, H 01L 29/47, C 23C 16/18, H 01L 21/0485
438/576	H 01L 29/66143, H 01L 29/872, H 01L 29/407, H 01L 29/417, H 01L 29/8725
438/577	H 01L 29/66863, H 01L 21/28587, H 01L 21/0272, H 01L 21/28593, H 01L 29/66462
438/578	H 01L 29/872, B 82Y 10/00, H 01L 28/90, H 01L 29/0665, H 01L 29/0673
438/579	H 01L 21/28587, H 01L 29/66462, H 01L 21/0271, H 01L 21/0272, H 01L 21/0277
438/580	H 01L 21/00, H 01L 29/66143, H 01L 29/872, B 01D 3/00, C 07C 49/92
438/581	H 01L 21/28518, H 01L 29/665, H 01L 29/6659, H 01L 21/28097, H 01L 29/4975
438/582	H 01L 21/28518, H 01L 29/665, H 01L 21/28512, H 01L 21/28537, C 23C 16/34
438/583	H 01L 21/28518, H 01L 29/665, H 01L 29/6659, H 01L 21/28052, H 01L 21/28097
438/584	B 82Y 10/00, H 01L 21/76843, H 01L 21/76838, H 01L 2924/01078, H 01L 2924/01079
438/585	H 01L 21/32139, H 01L 29/6659, H 01L 21/28123, H 01L 29/66545, H 01L 29/517
438/586	H 01L 21/76897, H 01L 21/28518, H 01L 21/76895, H 01L 29/665, H 01L 23/485
438/587	H 01L 29/66954, H 01L 21/32139, H 01L 21/823406, H 01L 21/76897, H 01L 21/823842
438/588	H 01L 27/115, H 01L 27/11521, H 01L 27/105, H 01L 21/28088, H 01L 29/4966
438/589	H 01L 29/66621, H 01L 29/4236, H 01L 27/10876, H 01L 21/823437, H 01L 29/42376
438/590	H 01L 21/28264, H 01L 29/66522, H 01L 29/78, H 01L 21/02255, H 01L 21/0254
438/591	H 01L 29/513, H 01L 29/517, H 01L 21/28202, H

	01L 29/518, H 01L 21/28185
438/592	H 01L 21/28061, H 01L 29/665, H 01L 21/28052, H 01L 21/28518, H 01L 29/6659
438/593	H 01L 21/28273, H 01L 27/11521, H 01L 27/115, H 01L 29/66825, H 01L 29/42324
438/594	H 01L 21/28273, H 01L 27/115, H 01L 27/11521, H 01L 29/7883, H 01L 29/66825
438/595	H 01L 29/6656, H 01L 29/6659, H 01L 21/76897, H 01L 29/665, H 01L 21/31116
438/596	H 01L 29/4983, H 01L 21/28247, H 01L 29/665, H 01L 29/6656, H 01L 21/28105
438/597	H 01L 21/76897, H 01L 21/76843, H 01L 21/76802, H 01L 2924/01029, H 01L 2924/01078
438/598	H 01L 2924/01013, H 01L 2924/01022, H 01L 2924/01079, H 01L 21/76898, H 01L 2924/01029
438/599	H 01L 23/528, G 06F 17/5068, H 01L 23/522, H 01L 2924/14, H 01L 2924/15311
438/600	H 01L 23/5252, H 01L 21/76888, H 01L 2924/3011, H 01L 23/5254, H 01L 21/76894
438/601	H 01L 23/5258, H 01L 23/5256, H 01L 21/76888, H 01L 2924/01014, H 01L 2924/3011
438/602	H 01L 21/0485, H 01L 21/0262, C 30B 25/02, H 01L 21/28575, H 01L 29/1608
438/603	H 01L 21/443, H 01L 29/45, H 01L 33/28, H 01L 33/40, Y 02E 10/543
438/604	H 01L 21/28575, H 01L 21/0254, H 01L 21/0262, H 01L 29/452, C 30B 29/403
438/605	H 01L 21/28575, H 01L 29/452, H 01L 33/40, H 01L 33/32, H 01L 2924/01079
438/606	H 01L 21/28575, G 11C 5/142, H 01L 29/788, H 01L 29/7881, H 01L 29/792
438/607	H 01L 21/0262, H 01L 21/76877, C 30B 25/02, H 01L 21/02381, H 01L 21/02532
438/608	H 01L 31/1884, Y 02E 10/50, H 01L 28/55, C 23C 14/086, H 01L 21/31691

438/609	H 01L 31/1884, Y 02E 10/50, H 01L 21/0262, H 01L 51/56, C 23C 14/086
438/610	H 01L 2924/01013, H 01L 2924/01029, H 01L 2924/01079, H 01L 2924/01022, H 01L 2924/01078
438/611	H 01L 2924/01079, H 01L 2924/01013, H 01L 2924/01029, H 01L 2924/01078, H 01L 2924/14
438/612	H 01L 2924/01013, H 01L 2924/01029, H 01L 2924/14, H 01L 2924/01079, H 01L 2224/13099
438/613	H 01L 2224/13099, H 01L 2924/01029, H 01L 24/11, H 01L 2924/01079, H 01L 2924/14
438/614	H 01L 2924/01079, H 01L 2924/01013, H 01L 2924/01078, H 01L 2924/01029, H 01L 2224/13099
438/615	H 01L 2924/01029, H 01L 2224/13099, H 01L 2924/01013, H 01L 2924/01079, H 01L 2924/14
438/616	H 01L 2924/01079, H 05K 2203/0338, H 01L 24/11, H 01L 2924/01078, H 01L 21/4853
438/617	H 01L 2924/01079, H 01L 2924/14, H 01L 24/85, H 01L 2924/01013, H 01L 2224/48091
438/618	H 01L 21/76843, H 01L 21/76838, H 01L 21/76877, H 01L 21/76895, H 01L 21/76834
438/619	H 01L 21/7682, H 01L 23/5222, H 01L 23/5329, H 01L 21/76834, H 01L 21/76807
438/620	H 01L 21/76802, H 01L 21/76895, H 01L 21/76816, H 01L 21/76838, H 01L 21/76877
438/621	H 01L 21/28518, H 01L 21/76802, H 01L 21/76889, H 01L 21/76843, H 01L 21/76877
438/622	H 01L 21/76807, H 01L 21/76838, H 01L 23/5226, H 01L 23/53238, H 01L 23/5329
438/623	H 01L 23/5329, H 01L 21/76835, H 01L 21/02126, H 01L 21/76807, H 01L 21/76826
438/624	H 01L 21/76834, H 01L 23/5329, H 01L 21/76819, H 01L 21/76802, H 01L 21/76829
438/625	H 01L 21/76877, H 01L 23/53223, H 01L 21/76838, H 01L 23/5226, H 01L 21/76843

438/626	H 01L 21/7684, H 01L 21/76877, H 01L 21/76819, H 01L 21/31053, H 01L 21/76843
438/627	H 01L 21/76843, H 01L 21/76846, H 01L 21/76877, H 01L 21/76856, H 01L 23/53238
438/628	H 01L 21/76843, H 01L 21/76877, H 01L 21/76846, H 01L 23/53238, H 01L 21/76849
438/629	H 01L 21/76877, H 01L 21/76843, H 01L 23/5226, H 01L 21/76802, H 01L 21/76838
438/630	H 01L 21/28518, H 01L 29/665, H 01L 21/76843, H 01L 21/76897, H 01L 21/76814
438/631	H 01L 21/7684, H 01L 21/76819, H 01L 21/31053, H 01L 21/76877, H 01L 21/76885
438/632	H 01L 21/76882, H 01L 21/3105, H 01L 21/76807, H 01L 21/76819, H 01L 21/02271
438/633	H 01L 21/7684, H 01L 21/3212, H 01L 21/31053, H 01L 21/76819, H 01L 21/76834
438/634	H 01L 21/76802, H 01L 21/76829, H 01L 21/31116, H 01L 21/7684, H 01L 21/76897
438/635	H 01L 21/76888, H 01L 21/76838, H 01L 21/00, H 01L 21/31687, H 01L 21/76802
438/636	H 01L 21/0276, G 03F 7/091, H 01L 21/76802, H 01L 21/31144, H 01L 21/32139
438/637	H 01L 21/76802, H 01L 21/76843, H 01L 21/31144, H 01L 21/31116, H 01L 21/76807
438/638	H 01L 21/76808, H 01L 21/76807, H 01L 21/76813, H 01L 21/31144, H 01L 21/76811
438/639	H 01L 21/76831, H 01L 21/76897, H 01L 21/76802, H 01L 23/5226, H 01L 21/76807
438/640	H 01L 21/76804, H 01L 21/31116, H 01L 23/5226, H 01L 21/76877, H 01L 21/31144
438/641	H 01L 21/76879, H 01L 23/5226, H 01L 21/76838, H 01L 21/76843, H 01L 21/76877
438/642	H 01L 21/76838, H 01L 21/76877, H 01L 21/76843, H 01L 21/76885, H 01L 21/7685
438/643	H 01L 21/76843, H 01L 21/76877, H 01L

	21/76856, H 01L 21/76846, H 01L 23/53238
438/644	H 01L 21/76877, H 01L 21/76834, H 01L 21/76883, H 01L 23/53223, H 01L 21/32051
438/645	H 01L 21/76877, H 01L 21/7684, H 01L 21/3212, H 01L 21/76819, H 01L 21/76802
438/646	H 01L 21/76882, H 01L 21/76877, H 01L 21/321, H 01L 21/76843, H 01L 21/3105
438/647	H 01L 21/28525, H 01L 21/76877, H 01L 21/76889, H 01L 21/28518, H 01L 21/76838
438/648	H 01L 21/76843, H 01L 21/76877, H 01L 21/28556, H 01L 21/76856, H 01L 21/28562
438/649	H 01L 21/28518, H 01L 29/665, H 01L 21/76843, H 01L 21/28052, H 01L 21/76895
438/650	C 23C 16/18, H 01L 21/28556, H 01L 21/76843, H 01L 21/76846, H 01L 21/28562
438/651	H 01L 21/28518, C 23C 14/165, H 01L 21/28052, H 01L 21/823814, H 01L 21/823835
438/652	H 01L 21/76877, H 01L 23/485, H 01L 2924/01013, H 01L 21/288, H 01L 2924/01079
438/653	H 01L 21/76843, H 01L 21/76856, H 01L 21/76846, H 01L 21/76877, H 01L 21/76855
438/654	H 01L 21/76843, H 01L 21/76877, H 01L 21/00, H 01L 21/32051, H 01L 21/28556
438/655	H 01L 21/28518, H 01L 29/665, H 01L 21/28052, H 01L 21/76889, H 01L 21/28061
438/656	H 01L 21/76843, H 01L 21/28518, H 01L 21/76877, H 01L 21/76856, H 01L 29/665
438/657	H 01L 23/485, H 01L 21/76838, H 01L 21/76877, H 01L 21/28525, H 01L 21/76895
438/658	H 01L 21/76843, H 01L 21/76877, H 01L 21/28518, H 01L 21/32134, H 01L 23/53238
438/659	H 01L 21/28518, H 01L 21/76843, H 01L 21/76859, H 01L 21/76877, H 01L 21/265
438/660	H 01L 21/76877, H 01L 21/76838, H 01L 21/76843, H 01L 21/32051, H 01L 21/76886

438/661	H 01L 21/24, H 01L 21/28518, H 01L 21/00, H 01L 21/268, H 01L 21/76858
438/662	H 01L 21/7684, H 01L 21/268, H 01L 21/32115, H 01L 21/76838, H 01L 29/665
438/663	H 01L 21/28518, H 01L 21/324, H 01L 29/665, H 01L 21/32155, H 01L 21/26506
438/664	H 01L 21/28518, H 01L 29/665, H 01L 21/28052, H 01L 21/28097, H 01L 29/6659
438/665	H 01L 28/84, C 23C 16/24, C 23C 16/515, H 01L 21/28525, H 01L 27/10852
438/666	H 01L 2924/01013, H 01L 2924/01079, H 01L 2924/14, H 01L 23/5226, H 01L 2924/01029
438/667	H 01L 21/76898, H 01L 23/481, H 01L 2924/01078, H 01L 25/0657, H 01L 2225/06541
438/668	H 01L 23/485, H 01L 21/76877, H 01L 21/76837, H 01L 21/76834, H 01L 21/76898
438/669	H 01L 21/32139, H 01L 21/76838, H 01L 21/32136, H 01L 21/02071, H 01L 21/76885
438/670	H 01L 21/0272, H 01L 21/7688, H 01L 23/485, H 05K 3/143, G 03F 7/094
438/671	H 01L 21/32139, H 01L 21/0337, H 01L 21/0338, H 01L 21/31144, H 01L 21/0276
438/672	H 01L 21/7684, H 01L 21/76877, H 01L 21/76802, H 01L 21/76897, H 01L 21/76843
438/673	H 01L 27/1214, H 01L 21/32136, H 01L 27/12, H 01L 29/42384, H 01L 21/28273
438/674	H 01L 21/76879, H 01L 21/28562, H 01L 21/288, H 01L 21/76838, H 01L 21/28556
438/675	H 01L 21/76879, H 01L 2924/01078, H 01L 21/76898, H 01L 21/76843, H 01L 24/11
438/676	H 01L 21/32051, H 01L 21/76879, H 01L 21/28562, H 01L 21/288, H 01L 21/76843
438/677	H 01L 21/76843, H 01L 21/76877, H 01L 21/76879, H 01L 21/76838, H 01L 21/288
438/678	H 01L 21/288, H 01L 21/2885, H 01L 21/76843, H

	01L 21/76849, H 01L 21/76874
438/679	H 01L 21/2855, H 01L 21/76877, H 01L 21/288, H 01L 21/32051, C 23C 14/24
438/680	H 01L 21/28556, H 01L 21/76843, H 01L 21/28562, C 23C 16/34, H 01L 21/76877
438/681	H 01L 21/28556, C 23C 16/18, H 01L 21/76843, H 01L 21/28562, C 23C 16/34
438/682	H 01L 21/28518, H 01L 29/665, H 01L 29/6659, H 01L 21/28052, H 01L 29/7833
438/683	H 01L 21/28518, H 01L 29/665, H 01L 21/76843, H 01L 21/28052, H 01L 21/28556
438/684	C 23C 16/24, H 01L 21/28525, H 01L 21/2022, H 01L 21/28556, H 01L 21/32055
438/685	H 01L 21/28556, H 01L 21/76843, H 01L 21/28562, H 01L 21/76877, H 01L 21/76876
438/686	H 01L 28/60, H 01L 21/28556, H 01L 28/55, H 01L 21/76843, H 01L 21/76849
438/687	H 01L 21/76843, H 01L 21/76877, H 01L 23/53238, H 01L 21/76873, H 01L 21/76849
438/688	H 01L 21/76843, H 01L 21/76877, H 01L 23/53223, H 01L 23/53219, H 01L 21/76882
438/689	H 01L 21/31116, H 01L 21/32139, H 01L 21/31144, H 01L 21/0337, H 01L 21/31138
438/690	H 01L 21/31053, H 01L 21/3212, C 09G 1/02, B 24B 37/042, H 01L 21/7684
438/691	H 01L 21/3212, H 01L 21/31053, H 01L 21/7684, C 09G 1/02, B 24B 37/042
438/692	H 01L 21/31053, H 01L 21/3212, C 09G 1/02, H 01L 21/7684, B 24B 37/042
438/693	C 09G 1/02, H 01L 21/31053, H 01L 21/3212, C 09K 3/1463, B 24B 37/04
438/694	H 01L 21/31116, H 01L 21/31144, H 01L 21/32139, H 01L 21/0337, H 01L 21/76802
438/695	H 01L 21/31116, H 01L 21/3065, H 01L 21/32137, H 01L 21/32136, H 01L 21/32139

438/696	H 01L 21/0337, H 01L 21/31116, H 01L 21/0338, H 01L 21/31144, H 01L 21/32139
438/697	H 01L 21/31055, H 01L 21/31053, H 01L 21/76819, H 01L 21/31116, H 01L 21/31111
438/698	H 01L 21/3105, H 01L 21/31051, H 01L 21/02129, H 01L 21/31625, H 01L 21/76819
438/699	H 01L 21/76819, H 01L 21/31055, H 01L 21/31116, H 01L 21/31051, H 01L 21/31053
438/700	H 01L 21/31116, H 01L 21/31144, H 01L 21/3065, H 01L 21/76808, H 01L 21/76802
438/701	H 01L 21/76804, H 01L 21/31116, H 01L 21/31144, H 01L 21/31111, H 01L 21/31138
438/702	H 01L 21/31144, H 01L 21/31116, H 01L 21/0337, H 01L 21/3081, H 01L 21/76802
438/703	H 01L 21/31144, H 01L 21/0337, H 01L 21/0338, H 01L 21/31111, H 01L 21/32139
438/704	H 01L 21/31116, H 01L 21/31111, H 01L 21/31133, H 01L 21/31138, H 01L 21/31144
438/705	H 01L 21/31116, H 01L 21/31144, H 01L 21/32139, H 01L 21/76838, H 01L 21/32134
438/706	H 01L 21/31116, H 01L 21/31144, H 01L 21/32136, H 01L 21/32139, H 01L 21/32137
438/707	H 01L 21/31116, H 01L 21/3065, H 01L 21/76802, B 82Y 15/00, H 01L 21/67069
438/708	H 01L 21/02046, H 01L 21/31116, H 01L 21/3065, B 08B 7/0057, H 01L 21/31144
438/709	H 01L 21/31116, H 01L 21/31138, H 01L 21/3065, H 01L 21/32137, H 01L 21/32139
438/710	H 01L 21/31116, H 01L 21/31138, H 01L 21/32137, H 01L 21/32136, H 01L 21/3065
438/711	H 01L 21/31116, H 01L 21/32136, H 01L 21/3065, C 23F 4/00, H 01L 21/31138
438/712	H 01L 21/31116, H 01L 21/32136, H 01L 21/3065, H 01L 21/31138, H 01L 21/32137
438/713	H 01L 21/31116, H 01L 21/32137, H 01L

	21/76804, H 01L 21/3065, H 01L 21/32136
438/714	H 01L 21/31116, H 01L 21/32137, H 01L 21/32136, H 01L 21/3065, H 01J 37/32082
438/715	H 01L 21/31116, H 01J 2237/2001, H 01L 21/3065, H 01L 21/67069, H 01L 21/67109
438/716	H 01L 21/67069, C 23C 16/54, H 01L 21/68721, H 01L 21/67017, H 01L 21/67745
438/717	H 01L 21/32139, H 01L 21/0337, H 01L 21/31144, H 01L 21/0338, H 01L 21/31116
438/718	H 01L 21/30621, H 01L 21/31116, H 01L 21/02019, H 01L 21/0475, H 01L 21/3081
438/719	H 01L 21/32137, H 01L 21/3065, H 01L 21/31116, H 01L 21/32139, H 01L 21/3081
438/720	H 01L 21/32136, C 23F 4/00, H 01L 21/02071, H 01L 21/32139, H 01L 21/32137
438/721	H 01L 21/32137, H 01L 29/517, C 23F 4/00, H 01L 21/28052, H 01L 21/31116
438/722	H 01L 21/76814, H 01L 21/76834, H 01L 21/32136, H 01L 21/76805, H 01L 21/76831
438/723	H 01L 21/31116, H 01L 21/76802, H 01L 21/02063, H 01L 21/31144, H 01L 21/76814
438/724	H 01L 21/31116, H 01L 21/76802, H 01L 21/31144, H 01L 21/3185, H 01L 21/76897
438/725	H 01L 21/31138, H 01L 21/31144, G 03F 7/427, H 01L 21/76802, H 01L 21/31116
438/726	H 01L 21/31138, H 01L 21/76807, H 05H 1/46, C 23C 14/564, C 23C 16/4401
438/727	H 01J 37/32357, H 01L 21/31116, G 03F 7/427, H 01J 37/32192, H 01L 21/31138
438/728	H 01J 37/3266, H 01J 37/32192, H 01L 21/31116, H 01L 21/32136, H 01J 37/321
438/729	H 01J 37/32082, H 01J 37/321, H 01J 37/3244, H 01L 21/31116, H 01J 37/32165
438/730	C 23C 16/448, C 23C 16/452, C 23C 16/4551, C 23C 16/45565, C 23C 16/481

438/731	H 01J 37/32431, H 01L 21/32137, B 01J 15/00, C 23C 16/4401, C 23C 16/50
438/732	H 01J 37/32623, H 01J 37/32082, H 01J 37/3266, H 01J 37/32688, B 08B 7/0035
438/733	H 01L 21/31116, H 01L 21/32139, B 41J 2/1603, B 41J 2/1628, B 41J 2/1632
438/734	H 01L 21/31116, H 01L 21/32139, H 01L 21/32136, H 01L 21/31144, H 01L 21/32137
438/735	H 01L 21/3086, H 01L 21/31116, H 01L 21/31144, B 81C 1/00492, H 01L 21/0332
438/736	H 01L 21/31144, H 01L 21/32139, H 01L 21/0337, H 01L 21/0338, H 01L 21/0332
438/737	H 01L 21/31116, B 82Y 10/00, G 03F 7/091, G 03F 7/70633, H 01L 21/0276
438/738	H 01L 21/31116, H 01L 21/32136, H 01L 21/76802, H 01L 21/32139, H 01L 21/32137
438/739	H 01L 21/31111, H 01L 21/76831, H 01L 21/76802, H 01L 21/0337, H 01L 21/32139
438/740	H 01L 21/31116, H 01L 21/76802, H 01L 21/76897, H 01L 21/76829, H 01L 21/76834
438/741	H 01L 21/31116, H 01L 21/76895, H 01L 21/76897, H 01L 29/66409, H 01L 29/80
438/742	H 01L 27/11521, H 01L 21/28273, H 01L 21/31111, H 01L 21/32136, H 01L 27/10852
438/743	H 01L 21/31116, H 01L 21/02063, H 01L 21/02049, C 04B 41/5346, H 01L 21/02052
438/744	H 01L 21/31116, H 01L 21/0276, H 01L 21/28123, H 01L 21/28247, H 01L 21/31144
438/745	H 01L 21/31111, H 01L 21/32134, H 01L 21/02052, H 01L 21/02063, H 01L 21/02071
438/746	C 25F 3/12, H 01L 21/02052, H 01L 21/31111, H 01L 21/32134, H 01L 21/3063
438/747	H 01L 21/30604, H 01L 21/02019, H 01L 21/31111, C 09K 13/08, C 23F 1/08
438/748	H 01L 21/6708, C 23F 1/02, H 01L 21/31111, H

	01L 21/00, H 01L 21/02052
438/749	H 01L 21/02052, H 01L 21/02019, H 01L 21/30604, H 01L 21/02063, H 01L 21/30608
438/750	H 01L 21/31111, H 01L 21/00, H 01L 21/76814, H 01L 21/30604, H 01L 21/30617
438/751	H 01L 21/31111, H 01L 21/32139, H 01L 21/32134, H 01L 21/76865, B 82Y 10/00
438/752	H 01L 21/30604, H 01L 21/00, C 09K 13/08, C 23F 1/00, C 23F 1/40
438/753	H 01L 21/30608, H 01L 21/30604, H 01L 21/02019, H 01L 21/32134, H 01L 21/00
438/754	H 01L 21/32134, C 23F 1/02, C 23F 1/18, H 01L 21/6708, H 01L 2924/01013
438/755	H 01L 21/32134, H 01L 21/28518, H 01L 29/665, B 82Y 10/00, C 03C 15/00
438/756	H 01L 21/31111, C 03C 15/00, H 01L 21/02071, H 01L 21/02164, H 01L 21/02274
438/757	H 01L 21/31111, C 09K 13/08, H 01L 21/67086, C 03C 15/00, C 04B 41/5353
438/758	H 01L 21/02274, H 01L 21/02126, H 01L 21/31612, C 23C 16/401, H 01L 21/02164
438/759	H 01L 2224/16, H 01L 2924/01079, H 01L 2924/14, H 01L 21/31053, H 01L 21/4871
438/760	H 01L 21/31051, H 01L 21/3105, H 01L 21/02129, H 01L 21/31625, H 01L 21/76819
438/761	H 01L 21/02164, H 01L 21/31612, H 01L 21/022, H 01L 21/02274, H 01L 21/02271
438/762	H 01L 21/28202, H 01L 29/518, H 01L 21/02255, H 01L 21/28211, H 01L 29/513
438/763	H 01L 21/3185, H 01L 21/02274, H 01L 21/31612, H 01L 21/02164, H 01L 21/022
438/764	C 23C 16/24, H 01L 21/314, H 01L 23/5225, H 01L 23/552, C 01B 33/035
438/765	H 01L 21/3105, H 01L 21/31612, H 01L 21/3185, H 01L 21/02255, H 01L 21/76814

438/766	H 01L 21/26533, H 01L 21/76243, H 01L 21/26506, H 01L 21/2822, H 01L 21/28185
438/767	H 01L 21/31654, H 01L 21/02241, C 23C 8/36, C 30B 33/00, H 01L 21/02255
438/768	C 23C 8/02, C 23C 8/36, H 01L 21/31683, H 01L 43/12, B 08B 7/00
438/769	H 01L 21/28202, H 01L 21/3144, H 01L 29/518, H 01L 21/28185, H 01L 21/31662
438/770	H 01L 21/31662, H 01L 21/02238, H 01L 21/02255, H 01L 21/28202, H 01L 21/28211
438/771	H 01L 21/02238, H 01L 21/31662, H 01L 21/31612, H 01J 37/32082, H 01L 21/02252
438/772	H 01J 37/32192, H 01L 21/02238, H 01L 21/02252, H 01L 21/28247, H 01L 21/31662
438/773	H 01L 21/02255, H 01L 21/02238, H 01L 21/31662, H 01L 21/28185, H 01L 21/28211
438/774	H 01L 21/31662, H 01L 21/02255, H 01L 21/02238, H 01L 21/28211, H 01L 21/02131
438/775	H 01L 21/28202, H 01L 21/3144, H 01L 29/518, H 01L 21/3185, H 01L 21/28185
438/776	H 01L 21/28202, H 01L 21/3144, H 01L 29/518, H 01L 21/3185, C 23C 8/36
438/777	H 01L 21/3185, H 01L 21/3144, C 23C 8/28, C 23C 8/34, C 23C 8/36
438/778	H 01L 21/02274, H 01L 21/02126, C 23C 16/401, H 01L 21/31612, H 01L 21/02164
438/779	C 23C 16/402, H 01L 21/02211, H 01L 21/02164, H 01L 21/02271, C 23C 16/401
438/780	H 01L 21/02126, H 01L 21/02216, H 01L 21/02274, H 01L 21/312, H 01L 21/02203
438/781	H 01L 21/02126, H 01L 21/02203, H 01L 21/31695, H 01L 21/02282, H 01L 21/02216
438/782	H 01L 21/316, H 01L 21/312, H 01L 21/02282, G 03F 7/162, B 05D 1/005
438/783	H 01L 21/02129, H 01L 21/31625, H 01L

	21/02271, C 23C 16/401, H 01L 21/02126
438/784	C 23C 16/401, H 01L 21/31625, H 01L 21/02271, H 01L 21/02129, H 01L 21/02274
438/785	H 01L 21/31604, H 01L 29/517, H 01L 21/28194, C 23C 16/405, H 01L 21/3141
438/786	H 01L 21/3144, H 01L 21/3145, H 01L 29/518, H 01L 21/28202, H 01L 21/02274
438/787	H 01L 21/02164, H 01L 21/31612, H 01L 21/02274, H 01L 21/02271, H 01L 21/02126
438/788	H 01L 21/02274, H 01L 21/02164, H 01L 21/31612, C 23C 16/402, H 01L 21/02211
438/789	H 01L 21/02274, H 01L 21/02126, C 23C 16/401, H 01L 21/31612, H 01L 21/02164
438/790	H 01L 21/31612, H 01L 21/02271, H 01L 21/02126, H 01L 21/02164, H 01L 21/02274
438/791	H 01L 21/3185, C 23C 16/345, H 01L 21/3144, H 01L 29/6659, H 01L 29/7843
438/792	H 01L 21/3185, C 23C 16/345, H 01L 21/0217, H 01L 21/02274, H 01L 21/76834
438/793	C 07F 7/10, H 01L 21/3185, C 23C 16/345, H 01L 29/7843, C 07F 7/0863
438/794	H 01L 21/3185, C 23C 16/345, H 01L 21/02222, C 23C 16/4583, H 01L 21/0217
438/795	H 01L 21/324, H 01L 21/67115, H 01L 21/268, H 01L 21/2026, H 01L 21/3225
438/796	H 01L 21/3245, C 30B 33/00, H 01L 21/477, H 01L 21/324, B 82Y 20/00
438/797	B 23K 26/0057, B 23K 26/4075, B 28D 5/0011, H 01L 21/182, B 23K 26/03
438/798	H 01L 21/3105, H 01L 21/263, H 01L 21/31612, H 01L 21/3003, H 01L 21/0234
438/799	H 01L 21/324, H 01L 21/2686, H 01L 21/268, H 01L 21/26513, H 01L 21/67115
438/800	H 01L 21/67017, H 01L 21/67115, H 01L 21/6719, H 01L 21/67748, B 82Y 30/00

438/900	H 01L 45/04, H 01L 27/24, H 01L 45/1233, H 01L 45/06, G 11C 13/0004
438/901	H 01L 29/93, H 01L 27/0229, H 01L 27/105, H 01L 21/82, H 01L 27/10823
438/902	H 01L 21/28518, H 01L 21/3245, H 01L 21/31612, H 01L 21/76828, H 01L 21/02164
438/903	B 82Y 10/00, H 01L 21/205, H 01L 21/31662, C 30B 33/005, H 01L 21/02183
438/904	H 01L 21/00, H 01L 29/167, H 01L 29/00, H 01L 21/221, H 01L 21/263
438/905	C 23C 16/4405, H 01J 37/32862, B 08B 7/0035, H 01L 21/67028, C 23C 16/4404
438/906	H 01L 21/02063, H 01L 21/02052, H 01L 21/02046, H 01L 21/31116, H 01L 21/76814
438/907	Y 02E 10/50, H 01L 21/00, H 01L 21/67017, C 23C 16/54, H 01L 21/205
438/908	H 01L 21/67276, H 01L 21/67167, C 23C 16/54, H 01L 21/67017, C 23C 14/568
438/909	H 01L 21/00, H 01L 21/31662, H 01L 21/02238, H 01L 21/02255, H 01L 21/3003
438/910	H 01L 29/00, H 01L 21/00, H 01L 21/02238, H 01L 21/28176, H 01L 23/291
438/911	H 01L 21/033, H 01L 21/32, H 01L 21/02238, H 01L 21/31662, H 01L 29/66954
438/912	H 01L 21/00, H 01L 29/00, Y 02E 10/544, H 01L 29/0634, H 01L 29/165
438/913	H 01L 21/6715, H 01L 21/67017, H 01L 21/32134, H 01L 21/00, H 01L 21/31116
438/914	H 01L 21/00, H 01L 29/00, H 01L 21/26513, H 01L 21/268, H 01L 21/26586
438/915	H 01L 21/2085, H 01L 33/00, C 30B 19/08, C 30B 29/40, H 01L 21/00
438/916	H 01L 21/2205, H 01L 21/02381, H 01L 21/02532, H 01L 21/00, H 01L 21/0262
438/917	H 01L 21/00, H 01L 21/221, H 01L 29/00, H 01L

	29/167, H 01L 21/22
438/918	H 01L 21/00, H 01L 21/0262, H 01L 29/167, H 01L 21/26506, H 01L 21/02581
438/919	H 01L 21/00, H 01L 29/00, H 01L 33/00, H 01L 21/22, H 01L 29/167
438/920	H 01L 21/00, H 01L 29/00, H 01L 21/2255, H 01L 21/02238, H 01L 21/02255
438/921	H 01L 29/00, H 01L 21/00, H 01L 21/761, H 01L 21/74, H 01L 21/743
438/922	H 01L 21/00, H 01L 29/00, H 01L 21/22, H 01L 29/06, H 01L 29/73
438/923	H 01L 21/00, H 01L 29/00, H 01L 21/2257, H 01L 21/2255, H 01L 29/6659
438/924	H 01L 21/3063, H 01L 21/32134, H 01L 21/30608, H 01L 21/00, H 01L 21/32155
438/925	H 01L 21/00, C 30B 25/02, H 01L 21/02546, H 01L 21/0262, H 01L 21/02576
438/926	H 01L 29/66545, H 01L 21/76819, H 01L 21/31053, H 01L 23/528, H 01L 23/522
438/927	H 01L 23/53223, H 01L 21/76838, H 01L 21/76843, H 01L 23/5226, H 01L 21/76877
438/928	H 01L 2924/14, H 01L 21/00, H 01L 21/76297, H 01L 2924/01079, H 01L 2924/01078
438/929	C 30B 21/02, C 30B 21/04, H 01L 31/00, H 01L 21/24, H 01L 21/76
438/930	Y 02E 10/541, H 01L 31/0322, H 01L 31/0749, H 01L 31/032, C 30B 25/02
438/931	H 01L 29/1608, H 01L 29/66068, H 01L 29/6606, C 30B 25/02, H 01L 21/0445
438/932	H 01L 21/00, C 04B 35/5831, C 30B 23/02, C 30B 29/403, H 01L 21/318
438/933	H 01L 21/02381, H 01L 21/02546, H 01L 21/0262, H 01L 21/02532, H 01L 21/02463
438/934	H 01L 28/20, H 01L 21/00, H 01L 21/268, H 01L 21/32155, H 01L 27/1112

438/935	C 30B 25/14, C 23C 16/455, H 01L 21/00, C 23C 16/45561, C 23C 16/4412
438/936	H 01L 21/00, H 01L 29/00, H 01L 33/30, H 01L 21/02543, H 01L 21/2056
438/937	H 01L 21/32051, H 01L 21/2855, H 01L 29/4908, C 23C 14/0057, C 23C 14/185
438/938	H 01L 21/02381, H 01L 21/823807, H 01L 21/02546, H 01L 29/7843, H 01L 21/02463
438/939	B 82Y 10/00, B 05D 1/202, B 82Y 30/00, G 03F 7/165, G 11C 2216/08
438/940	Y 02E 10/50, H 01L 27/1423, H 01L 21/268, H 01L 21/76894, H 01L 23/5258
438/941	H 01L 21/31053, H 01L 21/32139, H 01L 21/82345, H 01L 21/823828, H 01L 21/823842
438/942	H 01L 21/0337, H 01L 21/00, H 01L 21/32139, H 01L 21/31144, H 01L 21/0338
438/943	H 01L 21/00, C 23C 14/042, B 82Y 10/00, C 23C 16/402, G 03F 7/70691
438/944	H 01L 21/00, H 01L 29/00, C 23C 14/042, H 01L 21/32, H 01L 21/266
438/945	H 01L 21/00, H 01L 21/3081, H 01L 21/31144, H 01L 21/32139, B 82Y 10/00
438/946	H 01L 21/0337, B 82Y 10/00, G 03F 7/70425, H 01L 21/31144, G 03F 1/14
438/947	H 01L 21/0337, H 01L 21/0338, H 01L 21/32139, H 01L 21/31144, H 01L 21/3086
438/948	H 01L 21/0274, H 01L 21/31144, H 01L 21/312, H 01L 21/266, H 01L 21/31138
438/949	H 01L 21/0274, G 03F 7/40, H 01L 21/28587, H 01L 21/0272, H 01L 29/66765
438/950	H 01L 21/31144, H 01L 21/32139, G 03F 7/094, H 01L 21/0332, H 01L 21/0337
438/951	H 01L 21/0272, H 01L 21/28587, H 01L 21/7688, H 01L 29/66863, H 01L 2924/01029
438/952	H 01L 21/0276, G 03F 7/091, H 01L 21/32139, H

	01L 21/31144, H 01L 21/28123
438/953	H 01L 21/00, H 01L 23/556, H 01L 29/00, H 01L 27/11, H 01L 21/765
438/954	H 01L 27/11568, H 01L 27/115, H 01L 21/28282, H 01L 29/792, H 01L 29/66833
438/955	H 01L 21/00, H 01L 21/2085, C 30B 19/12, H 01L 33/00, H 01L 21/24
438/956	H 01L 33/0062, H 01S 5/4087, H 01L 33/00, H 01L 33/30, H 01L 33/42
438/957	H 01L 28/40, H 01L 23/5223, H 01L 45/00, H 01L 28/55, H 01L 28/60
438/958	H 01L 23/3171, H 01L 21/314, H 01L 23/291, H 01L 21/56, H 01L 21/02274
438/959	H 01L 21/31053, H 01L 21/3212, B 24B 37/042, H 01L 21/7684, B 24B 37/04
438/960	H 01L 21/306, H 01L 21/02203, H 01L 21/31695, H 01L 33/346, H 01L 21/76259
438/961	H 01J 37/3171, C 30B 23/02, C 23C 14/221, H 01L 21/00, H 01L 21/265
438/962	B 82Y 10/00, B 82Y 20/00, B 82Y 30/00, H 01L 29/127, H 01L 29/66439
438/963	H 01L 21/02063, H 01L 21/02071, H 01L 21/31116, H 01L 21/31138, H 01L 21/32137
438/964	H 01L 28/84, H 01L 27/10852, H 01L 28/82, H 01L 27/10817, H 01L 28/90
438/965	H 01L 21/00, H 01L 29/00, H 01L 21/22, H 01L 21/266, H 01L 29/0615
438/966	H 01L 21/31662, H 01L 21/02238, H 01L 21/76213, H 01L 21/02255, H 01L 21/02299
438/967	H 01L 21/2011, H 01L 21/0242, C 30B 25/02, H 01L 21/02532, H 01L 21/0262
438/968	B 22F 1/0003, B 22F 9/30, B 22F 2999/00, B 32B 37/26, B 32B 2457/08
438/969	H 01L 21/2018, H 01L 21/00, H 01L 29/66287, H 01L 21/763, H 01L 29/66242

438/970	H 01L 21/76802, H 01L 21/31116, H 01L 21/31053, H 01L 21/76897, H 01L 21/31144
438/971	H 01L 21/00, C 30B 29/40, C 30B 33/00, H 01L 21/477, C 30B 23/02
438/972	H 01L 27/115, H 01L 29/66825, H 01L 29/7881, G 11C 16/14, G 11C 16/18
438/973	H 01L 29/045, H 01L 21/00, H 01L 21/76297, H 01L 33/16, C 30B 25/02
438/974	H 01L 21/00, H 01L 21/02052, H 01L 21/02046, H 01L 21/2007, H 01L 21/31116
438/975	H 01L 23/544, H 01L 2223/54453, H 01L 2223/54426, H 01L 2223/5442, G 03F 9/7076
438/976	H 01L 21/67132, H 01L 21/6836, H 01L 2221/68327, H 01L 21/78, H 01L 21/6835
438/977	H 01L 21/78, H 01L 21/6835, H 01L 21/76251, H 01L 21/00, H 01L 21/76254
438/978	H 01L 21/76804, H 01L 21/31116, H 01L 21/76232, H 01L 21/00, H 01L 21/3065
438/979	H 01L 29/00, H 01L 21/00, H 01L 29/88, B 82Y 10/00, H 01L 21/24
438/980	H 01L 21/00, H 01L 29/00, H 01L 23/485, Y 02E 10/50, Y 02E 10/544
438/981	H 01L 21/823462, H 01L 21/31662, H 01L 27/105, H 01L 21/02238, H 01L 27/11526
438/982	H 01L 21/26586, H 01L 27/12, H 01L 27/1214, H 01L 21/84, H 01L 27/0207
438/983	H 01L 29/866, H 01L 29/00, H 01L 27/0255, H 01L 21/00, H 01L 29/66106

Most statistically relevant CPC Subclasses

H 01L, H 01J, B 41J, H 01S, G 01N, B 81C, C 30B, C 23C
--