

## CPC to IPC Concordance for Subclass G02F

| CPC Group   | IPC Group |
|-------------|-----------|
| G02F 1/00   | G02F 1/00 |
| G02F 1/0009 | G02F 1/00 |
| G02F 1/0018 | G02F 1/00 |
| G02F 1/0027 | G02F 1/00 |
| G02F 1/0036 | G02F 1/00 |
| G02F 1/0045 | G02F 1/00 |
| G02F 1/0054 | G02F 1/00 |
| G02F 1/0063 | G02F 1/00 |
| G02F 1/0072 | G02F 1/00 |
| G02F 1/0081 | G02F 1/00 |
| G02F 1/009  | G02F 1/00 |
| G02F 1/01   | G02F 1/01 |
| G02F 1/0102 | G02F 1/01 |
| G02F 1/0105 | G02F 1/01 |
| G02F 1/0107 | G02F 1/01 |
| G02F 1/011  | G02F 1/01 |
| G02F 1/0113 | G02F 1/01 |
| G02F 1/0115 | G02F 1/01 |
| G02F 1/0118 | G02F 1/01 |
| G02F 1/0121 | G02F 1/01 |
| G02F 1/0123 | G02F 1/01 |
| G02F 1/0126 | G02F 1/01 |
| G02F 1/0128 | G02F 1/01 |

| <b>CPC Group</b>    | <b>IPC Group</b>  |
|---------------------|-------------------|
| <b>G02F 1/0131</b>  | <b>G02F 1/01</b>  |
| <b>G02F 1/0134</b>  | <b>G02F 1/01</b>  |
| <b>G02F 1/0136</b>  | <b>G02F 1/01</b>  |
| <b>G02F 1/0139</b>  | <b>G02F 1/01</b>  |
| <b>G02F 1/0142</b>  | <b>G02F 1/01</b>  |
| <b>G02F 1/0144</b>  | <b>G02F 1/01</b>  |
| <b>G02F 1/0147</b>  | <b>G02F 1/01</b>  |
| <b>G02F 1/015</b>   | <b>G02F 1/015</b> |
| <b>G02F 1/0151</b>  | <b>G02F 1/015</b> |
| <b>G02F 1/0152</b>  | <b>G02F 1/015</b> |
| <b>G02F 1/0153</b>  | <b>G02F 1/015</b> |
| <b>G02F 1/0154</b>  | <b>G02F 1/015</b> |
| <b>G02F 1/0155</b>  | <b>G02F 1/015</b> |
| <b>G02F 1/0156</b>  | <b>G02F 1/015</b> |
| <b>G02F 1/0157</b>  | <b>G02F 1/015</b> |
| <b>G02F 1/0158</b>  | <b>G02F 1/015</b> |
| <b>G02F 1/0159</b>  | <b>G02F 1/015</b> |
| <b>G02F 1/017</b>   | <b>G02F 1/017</b> |
| <b>G02F 1/01708</b> | <b>G02F 1/017</b> |
| <b>G02F 1/01716</b> | <b>G02F 1/017</b> |
| <b>G02F 1/01725</b> | <b>G02F 1/017</b> |
| <b>G02F 1/01733</b> | <b>G02F 1/017</b> |
| <b>G02F 1/01741</b> | <b>G02F 1/017</b> |
| <b>G02F 1/0175</b>  | <b>G02F 1/017</b> |

| CPC Group    | IPC Group  |
|--------------|------------|
| G02F 1/01758 | G02F 1/017 |
| G02F 1/01766 | G02F 1/017 |
| G02F 1/01775 | G02F 1/017 |
| G02F 1/01783 | G02F 1/017 |
| G02F 1/01791 | G02F 1/017 |
| G02F 1/025   | G02F 1/025 |
| G02F 1/03    | G02F 1/03  |
| G02F 1/0305  | G02F 1/03  |
| G02F 1/0311  | G02F 1/03  |
| G02F 1/0316  | G02F 1/03  |
| G02F 1/0322  | G02F 1/03  |
| G02F 1/0327  | G02F 1/03  |
| G02F 1/0333  | G02F 1/03  |
| G02F 1/0338  | G02F 1/03  |
| G02F 1/0344  | G02F 1/03  |
| G02F 1/035   | G02F 1/035 |
| G02F 1/0353  | G02F 1/035 |
| G02F 1/0356  | G02F 1/035 |
| G02F 1/05    | G02F 1/05  |
| G02F 1/0508  | G02F 1/05  |
| G02F 1/0516  | G02F 1/05  |
| G02F 1/0525  | G02F 1/05  |
| G02F 1/0533  | G02F 1/05  |
| G02F 1/0541  | G02F 1/05  |

| <b>CPC Group</b>   | <b>IPC Group</b>  |
|--------------------|-------------------|
| <b>G02F 1/055</b>  | <b>G02F 1/055</b> |
| <b>G02F 1/0551</b> | <b>G02F 1/055</b> |
| <b>G02F 1/0553</b> | <b>G02F 1/055</b> |
| <b>G02F 1/0555</b> | <b>G02F 1/055</b> |
| <b>G02F 1/0556</b> | <b>G02F 1/055</b> |
| <b>G02F 1/0558</b> | <b>G02F 1/055</b> |
| <b>G02F 1/061</b>  | <b>G02F 1/061</b> |
| <b>G02F 1/065</b>  | <b>G02F 1/065</b> |
| <b>G02F 1/07</b>   | <b>G02F 1/07</b>  |
| <b>G02F 1/073</b>  | <b>G02F 1/07</b>  |
| <b>G02F 1/076</b>  | <b>G02F 1/07</b>  |
| <b>G02F 1/09</b>   | <b>G02F 1/09</b>  |
| <b>G02F 1/091</b>  | <b>G02F 1/09</b>  |
| <b>G02F 1/092</b>  | <b>G02F 1/09</b>  |
| <b>G02F 1/093</b>  | <b>G02F 1/09</b>  |
| <b>G02F 1/094</b>  | <b>G02F 1/09</b>  |
| <b>G02F 1/095</b>  | <b>G02F 1/095</b> |
| <b>G02F 1/0955</b> | <b>G02F 1/095</b> |
| <b>G02F 1/11</b>   | <b>G02F 1/11</b>  |
| <b>G02F 1/113</b>  | <b>G02F 1/11</b>  |
| <b>G02F 1/116</b>  | <b>G02F 1/11</b>  |
| <b>G02F 1/125</b>  | <b>G02F 1/125</b> |
| <b>G02F 1/13</b>   | <b>G02F 1/13</b>  |
| <b>G02F 1/1303</b> | <b>G02F 1/13</b>  |

| <b>CPC Group</b>     | <b>IPC Group</b>   |
|----------------------|--------------------|
| <b>G02F 1/1306</b>   | <b>G02F 1/13</b>   |
| <b>G02F 1/1309</b>   | <b>G02F 1/13</b>   |
| <b>G02F 1/1313</b>   | <b>G02F 1/13</b>   |
| <b>G02F 1/1316</b>   | <b>G02F 1/13</b>   |
| <b>G02F 1/132</b>    | <b>G02F 1/13</b>   |
| <b>G02F 1/1323</b>   | <b>G02F 1/13</b>   |
| <b>G02F 1/1326</b>   | <b>G02F 1/13</b>   |
| <b>G02F 1/133</b>    | <b>G02F 1/133</b>  |
| <b>G02F 1/13306</b>  | <b>G02F 1/133</b>  |
| <b>G02F 1/13312</b>  | <b>G02F 1/133</b>  |
| <b>G02F 1/13318</b>  | <b>G02F 1/133</b>  |
| <b>G02F 1/13324</b>  | <b>G02F 1/133</b>  |
| <b>G02F 1/1333</b>   | <b>G02F 1/1333</b> |
| <b>G02F 1/133302</b> | <b>G02F 1/1333</b> |
| <b>G02F 1/133305</b> | <b>G02F 1/1333</b> |
| <b>G02F 1/133308</b> | <b>G02F 1/1333</b> |
| <b>G02F 1/133311</b> | <b>G02F 1/1333</b> |
| <b>G02F 1/133314</b> | <b>G02F 1/1333</b> |
| <b>G02F 1/133317</b> | <b>G02F 1/1333</b> |
| <b>G02F 1/13332</b>  | <b>G02F 1/1333</b> |
| <b>G02F 1/133322</b> | <b>G02F 1/1333</b> |
| <b>G02F 1/133325</b> | <b>G02F 1/1333</b> |
| <b>G02F 1/133328</b> | <b>G02F 1/1333</b> |
| <b>G02F 1/133331</b> | <b>G02F 1/1333</b> |

| CPC Group     | IPC Group   |
|---------------|-------------|
| G02F 1/133334 | G02F 1/1333 |
| G02F 1/133337 | G02F 1/1333 |
| G02F 1/133334 | G02F 1/1333 |
| G02F 1/133342 | G02F 1/1333 |
| G02F 1/133345 | G02F 1/1333 |
| G02F 1/133348 | G02F 1/1333 |
| G02F 1/133351 | G02F 1/1333 |
| G02F 1/133354 | G02F 1/1333 |
| G02F 1/133357 | G02F 1/1333 |
| G02F 1/13336  | G02F 1/1333 |
| G02F 1/133362 | G02F 1/1333 |
| G02F 1/133365 | G02F 1/1333 |
| G02F 1/133368 | G02F 1/1333 |
| G02F 1/133371 | G02F 1/1333 |
| G02F 1/133374 | G02F 1/1333 |
| G02F 1/133377 | G02F 1/1333 |
| G02F 1/13338  | G02F 1/1333 |
| G02F 1/133382 | G02F 1/1333 |
| G02F 1/133385 | G02F 1/1333 |
| G02F 1/133388 | G02F 1/1333 |
| G02F 1/133391 | G02F 1/1333 |
| G02F 1/133394 | G02F 1/1333 |
| G02F 1/133397 | G02F 1/1333 |
| G02F 1/1334   | G02F 1/1334 |

| CPC Group     | IPC Group   |
|---------------|-------------|
| G02F 1/13342  | G02F 1/1334 |
| G02F 1/13345  | G02F 1/1334 |
| G02F 1/13347  | G02F 1/1334 |
| G02F 1/1335   | G02F 1/1335 |
| G02F 1/133502 | G02F 1/1335 |
| G02F 1/133504 | G02F 1/1335 |
| G02F 1/133507 | G02F 1/1335 |
| G02F 1/133509 | G02F 1/1335 |
| G02F 1/133512 | G02F 1/1335 |
| G02F 1/133514 | G02F 1/1335 |
| G02F 1/133516 | G02F 1/1335 |
| G02F 1/133519 | G02F 1/1335 |
| G02F 1/133521 | G02F 1/1335 |
| G02F 1/133524 | G02F 1/1335 |
| G02F 1/133526 | G02F 1/1335 |
| G02F 1/133528 | G02F 1/1335 |
| G02F 1/133531 | G02F 1/1335 |
| G02F 1/133533 | G02F 1/1335 |
| G02F 1/133536 | G02F 1/1335 |
| G02F 1/133538 | G02F 1/1335 |
| G02F 1/133541 | G02F 1/1335 |
| G02F 1/133543 | G02F 1/1335 |
| G02F 1/133545 | G02F 1/1335 |
| G02F 1/133548 | G02F 1/1335 |

| CPC Group     | IPC Group    |
|---------------|--------------|
| G02F 1/13355  | G02F 1/1335  |
| G02F 1/133553 | G02F 1/1335  |
| G02F 1/133555 | G02F 1/1335  |
| G02F 1/133557 | G02F 1/1335  |
| G02F 1/13356  | G02F 1/1335  |
| G02F 1/133562 | G02F 1/1335  |
| G02F 1/133565 | G02F 1/1335  |
| G02F 1/133567 | G02F 1/1335  |
| G02F 1/1336   | G02F 1/13357 |
| G02F 1/133601 | G02F 1/1335  |
| G02F 1/133602 | G02F 1/13357 |
| G02F 1/133603 | G02F 1/13357 |
| G02F 1/133604 | G02F 1/13357 |
| G02F 1/133605 | G02F 1/13357 |
| G02F 1/133606 | G02F 1/13357 |
| G02F 1/133607 | G02F 1/1335  |
| G02F 1/133608 | G02F 1/13357 |
| G02F 1/133609 | G02F 1/13357 |
| G02F 1/133611 | G02F 1/13357 |
| G02F 1/133612 | G02F 1/1335  |
| G02F 1/133613 | G02F 1/1335  |
| G02F 1/133614 | G02F 1/1335  |
| G02F 1/133615 | G02F 1/13357 |
| G02F 1/133616 | G02F 1/1335  |

| CPC Group     | IPC Group    |
|---------------|--------------|
| G02F 1/133617 | G02F 1/13357 |
| G02F 1/133618 | G02F 1/1335  |
| G02F 1/13362  | G02F 1/13357 |
| G02F 1/133621 | G02F 1/13357 |
| G02F 1/133622 | G02F 1/1335  |
| G02F 1/133623 | G02F 1/1335  |
| G02F 1/133624 | G02F 1/1335  |
| G02F 1/133625 | G02F 1/1335  |
| G02F 1/133626 | G02F 1/1335  |
| G02F 1/133627 | G02F 1/1335  |
| G02F 1/133628 | G02F 1/1335  |
| G02F 1/13363  | G02F 1/13363 |
| G02F 1/133631 | G02F 1/13363 |
| G02F 1/133632 | G02F 1/13363 |
| G02F 1/133633 | G02F 1/13363 |
| G02F 1/133634 | G02F 1/13363 |
| G02F 1/133635 | G02F 1/13363 |
| G02F 1/133636 | G02F 1/13363 |
| G02F 1/133637 | G02F 1/13363 |
| G02F 1/133638 | G02F 1/13363 |
| G02F 1/1337   | G02F 1/1337  |
| G02F 1/133703 | G02F 1/1337  |
| G02F 1/133707 | G02F 1/1337  |
| G02F 1/133711 | G02F 1/1337  |

| CPC Group     | IPC Group   |
|---------------|-------------|
| G02F 1/133715 | G02F 1/1337 |
| G02F 1/133719 | G02F 1/1337 |
| G02F 1/133723 | G02F 1/1337 |
| G02F 1/133726 | G02F 1/1337 |
| G02F 1/13373  | G02F 1/1337 |
| G02F 1/133734 | G02F 1/1337 |
| G02F 1/133738 | G02F 1/1337 |
| G02F 1/133742 | G02F 1/1337 |
| G02F 1/133746 | G02F 1/1337 |
| G02F 1/133749 | G02F 1/1337 |
| G02F 1/133753 | G02F 1/1337 |
| G02F 1/133757 | G02F 1/1337 |
| G02F 1/133761 | G02F 1/1337 |
| G02F 1/133765 | G02F 1/1337 |
| G02F 1/133769 | G02F 1/1337 |
| G02F 1/133773 | G02F 1/1337 |
| G02F 1/133776 | G02F 1/1337 |
| G02F 1/13378  | G02F 1/1337 |
| G02F 1/133784 | G02F 1/1337 |
| G02F 1/133788 | G02F 1/1337 |
| G02F 1/133792 | G02F 1/1337 |
| G02F 1/133796 | G02F 1/1337 |
| G02F 1/1339   | G02F 1/1339 |
| G02F 1/13392  | G02F 1/1339 |

| CPC Group     | IPC Group   |
|---------------|-------------|
| G02F 1/13394  | G02F 1/1339 |
| G02F 1/13396  | G02F 1/1339 |
| G02F 1/13398  | G02F 1/1339 |
| G02F 1/1341   | G02F 1/1341 |
| G02F 1/13415  | G02F 1/1341 |
| G02F 1/1343   | G02F 1/1343 |
| G02F 1/134309 | G02F 1/1343 |
| G02F 1/134318 | G02F 1/1343 |
| G02F 1/134327 | G02F 1/1343 |
| G02F 1/134336 | G02F 1/1343 |
| G02F 1/134345 | G02F 1/1343 |
| G02F 1/134354 | G02F 1/1343 |
| G02F 1/134363 | G02F 1/1343 |
| G02F 1/134372 | G02F 1/1343 |
| G02F 1/134381 | G02F 1/1343 |
| G02F 1/13439  | G02F 1/1343 |
| G02F 1/1345   | G02F 1/1345 |
| G02F 1/13452  | G02F 1/1345 |
| G02F 1/13454  | G02F 1/1345 |
| G02F 1/13456  | G02F 1/1345 |
| G02F 1/13458  | G02F 1/1345 |
| G02F 1/1347   | G02F 1/1347 |
| G02F 1/13471  | G02F 1/1347 |
| G02F 1/13473  | G02F 1/1347 |

| CPC Group     | IPC Group   |
|---------------|-------------|
| G02F 1/13475  | G02F 1/1347 |
| G02F 1/13476  | G02F 1/1347 |
| G02F 1/13478  | G02F 1/1347 |
| G02F 1/135    | G02F 1/135  |
| G02F 1/1351   | G02F 1/135  |
| G02F 1/1352   | G02F 1/135  |
| G02F 1/1354   | G02F 1/135  |
| G02F 1/1355   | G02F 1/135  |
| G02F 1/1357   | G02F 1/135  |
| G02F 1/1358   | G02F 1/135  |
| G02F 1/136    | G02F 1/136  |
| G02F 1/13606  | G02F 1/136  |
| G02F 1/13613  | G02F 1/136  |
| G02F 1/1362   | G02F 1/1362 |
| G02F 1/136204 | G02F 1/1362 |
| G02F 1/136209 | G02F 1/1362 |
| G02F 1/136213 | G02F 1/1362 |
| G02F 1/136218 | G02F 1/1362 |
| G02F 1/136222 | G02F 1/1362 |
| G02F 1/136227 | G02F 1/1362 |
| G02F 1/136231 | G02F 1/1362 |
| G02F 1/136236 | G02F 1/1362 |
| G02F 1/13624  | G02F 1/1362 |
| G02F 1/136245 | G02F 1/1362 |

| CPC Group     | IPC Group   |
|---------------|-------------|
| G02F 1/13625  | G02F 1/1362 |
| G02F 1/136254 | G02F 1/1362 |
| G02F 1/136259 | G02F 1/1362 |
| G02F 1/136263 | G02F 1/1362 |
| G02F 1/136268 | G02F 1/1362 |
| G02F 1/136272 | G02F 1/1362 |
| G02F 1/136277 | G02F 1/1362 |
| G02F 1/136281 | G02F 1/1362 |
| G02F 1/136286 | G02F 1/1362 |
| G02F 1/13629  | G02F 1/1362 |
| G02F 1/136295 | G02F 1/1362 |
| G02F 1/1365   | G02F 1/1365 |
| G02F 1/1368   | G02F 1/1368 |
| G02F 1/13685  | G02F 1/1368 |
| G02F 1/137    | G02F 1/137  |
| G02F 1/13706  | G02F 1/137  |
| G02F 1/13712  | G02F 1/137  |
| G02F 1/13718  | G02F 1/137  |
| G02F 1/13725  | G02F 1/137  |
| G02F 1/13731  | G02F 1/137  |
| G02F 1/13737  | G02F 1/137  |
| G02F 1/13743  | G02F 1/137  |
| G02F 1/1375   | G02F 1/137  |
| G02F 1/13756  | G02F 1/137  |

| <b>CPC Group</b>       | <b>IPC Group</b>   |
|------------------------|--------------------|
| <b>G02F 1/13762</b>    | <b>G02F 1/137</b>  |
| <b>G02F 1/13768</b>    | <b>G02F 1/137</b>  |
| <b>G02F 1/13775</b>    | <b>G02F 1/137</b>  |
| <b>G02F 1/13781</b>    | <b>G02F 1/137</b>  |
| <b>G02F 1/13787</b>    | <b>G02F 1/137</b>  |
| <b>G02F 1/13793</b>    | <b>G02F 1/137</b>  |
| <b>G02F 1/139</b>      | <b>G02F 1/139</b>  |
| <b>G02F 1/1391</b>     | <b>G02F 1/139</b>  |
| <b>G02F 1/1392</b>     | <b>G02F 1/139</b>  |
| <b>G02F 1/1393</b>     | <b>G02F 1/139</b>  |
| <b>G02F 1/1395</b>     | <b>G02F 1/139</b>  |
| <b>G02F 1/1396</b>     | <b>G02F 1/139</b>  |
| <b>G02F 1/1397</b>     | <b>G02F 1/139</b>  |
| <b>G02F 1/1398</b>     | <b>G02F 1/139</b>  |
| <b>G02F 1/141</b>      | <b>G02F 1/141</b>  |
| <b>G02F 1/1412</b>     | <b>G02F 1/141</b>  |
| <b>G02F 1/1414</b>     | <b>G02F 1/141</b>  |
| <b>G02F 1/1416</b>     | <b>G02F 1/141</b>  |
| <b>G02F 1/1418</b>     | <b>G02F 1/141</b>  |
| <b>G02F 1/15</b>       | <b>G02F 1/15</b>   |
| <b>G02F 2001/1502</b>  | <b>G02F 1/15</b>   |
| <b>G02F 2001/15025</b> | <b>G02F 1/15</b>   |
| <b>G02F 1/1503</b>     | <b>G02F 1/1503</b> |
| <b>G02F 1/1506</b>     | <b>G02F 1/1506</b> |

| CPC Group       | IPC Group   |
|-----------------|-------------|
| G02F 1/1508     | G02F 1/1506 |
| G02F 1/1514     | G02F 1/1514 |
| G02F 2001/15145 | G02F 1/1514 |
| G02F 1/1516     | G02F 1/1516 |
| G02F 1/15165    | G02F 1/1516 |
| G02F 2001/1517  | G02F 1/1516 |
| G02F 2001/1518  | G02F 1/1516 |
| G02F 1/1523     | G02F 1/1523 |
| G02F 1/1524     | G02F 1/1524 |
| G02F 1/15245    | G02F 1/1524 |
| G02F 1/1525     | G02F 1/1523 |
| G02F 1/153      | G02F 1/153  |
| G02F 1/1533     | G02F 1/153  |
| G02F 2001/1536  | G02F 1/153  |
| G02F 1/155      | G02F 1/155  |
| G02F 2001/1552  | G02F 1/155  |
| G02F 2001/1555  | G02F 1/155  |
| G02F 2001/1557  | G02F 1/155  |
| G02F 1/157      | G02F 1/157  |
| G02F 1/161      | G02F 1/161  |
| G02F 1/163      | G02F 1/163  |
| G02F 2001/1635  | G02F 1/163  |
| G02F 2001/164   | G02F 1/15   |
| G02F 1/165      | G02F 1/165  |

| CPC Group      | IPC Group    |
|----------------|--------------|
| G02F 1/166     | G02F 1/166   |
| G02F 1/167     | G02F 1/167   |
| G02F 1/1671    | G02F 1/1671  |
| G02F 1/1673    | G02F 1/1673  |
| G02F 1/1675    | G02F 1/1675  |
| G02F 1/16753   | G02F 1/16753 |
| G02F 1/16755   | G02F 1/16755 |
| G02F 1/16756   | G02F 1/16756 |
| G02F 1/16757   | G02F 1/16757 |
| G02F 1/1676    | G02F 1/1676  |
| G02F 1/16761   | G02F 1/16761 |
| G02F 1/16762   | G02F 1/16762 |
| G02F 1/16766   | G02F 1/16766 |
| G02F 1/1677    | G02F 1/1677  |
| G02F 2001/1678 | G02F 1/1675  |
| G02F 1/1679    | G02F 1/1679  |
| G02F 1/1681    | G02F 1/1681  |
| G02F 1/1685    | G02F 1/1685  |
| G02F 1/169     | G02F 1/169   |
| G02F 1/17      | G02F 1/17    |
| G02F 1/172     | G02F 1/17    |
| G02F 1/174     | G02F 1/17    |
| G02F 1/176     | G02F 1/17    |
| G02F 1/178     | G02F 1/17    |

| CPC Group   | IPC Group  |
|-------------|------------|
| G02F 1/19   | G02F 1/19  |
| G02F 1/195  | G02F 1/19  |
| G02F 1/21   | G02F 1/21  |
| G02F 1/211  | G02F 1/21  |
| G02F 1/212  | G02F 1/21  |
| G02F 1/213  | G02F 1/21  |
| G02F 1/215  | G02F 1/21  |
| G02F 1/216  | G02F 1/21  |
| G02F 1/217  | G02F 1/21  |
| G02F 1/218  | G02F 1/21  |
| G02F 1/225  | G02F 1/225 |
| G02F 1/2252 | G02F 1/225 |
| G02F 1/2255 | G02F 1/225 |
| G02F 1/2257 | G02F 1/225 |
| G02F 1/23   | G02F 1/23  |
| G02F 1/25   | G02F 1/25  |
| G02F 1/29   | G02F 1/29  |
| G02F 1/291  | G02F 1/29  |
| G02F 1/292  | G02F 1/29  |
| G02F 1/293  | G02F 1/29  |
| G02F 1/294  | G02F 1/29  |
| G02F 1/295  | G02F 1/295 |
| G02F 1/2955 | G02F 1/295 |
| G02F 1/31   | G02F 1/31  |

| CPC Group   | IPC Group  |
|-------------|------------|
| G02F 1/311  | G02F 1/31  |
| G02F 1/313  | G02F 1/313 |
| G02F 1/3131 | G02F 1/313 |
| G02F 1/3132 | G02F 1/313 |
| G02F 1/3133 | G02F 1/313 |
| G02F 1/3134 | G02F 1/313 |
| G02F 1/3135 | G02F 1/313 |
| G02F 1/3136 | G02F 1/313 |
| G02F 1/3137 | G02F 1/313 |
| G02F 1/3138 | G02F 1/313 |
| G02F 1/315  | G02F 1/315 |
| G02F 1/33   | G02F 1/33  |
| G02F 1/332  | G02F 1/33  |
| G02F 1/335  | G02F 1/335 |
| G02F 1/35   | G02F 1/35  |
| G02F 1/3501 | G02F 1/35  |
| G02F 1/3503 | G02F 1/35  |
| G02F 1/3505 | G02F 1/35  |
| G02F 1/3507 | G02F 1/35  |
| G02F 1/3509 | G02F 1/35  |
| G02F 1/3511 | G02F 1/35  |
| G02F 1/3513 | G02F 1/35  |
| G02F 1/3515 | G02F 1/35  |
| G02F 1/3517 | G02F 1/35  |

| CPC Group   | IPC Group  |
|-------------|------------|
| G02F 1/3519 | G02F 1/35  |
| G02F 1/3521 | G02F 1/35  |
| G02F 1/3523 | G02F 1/35  |
| G02F 1/3525 | G02F 1/35  |
| G02F 1/3526 | G02F 1/35  |
| G02F 1/3528 | G02F 1/35  |
| G02F 1/353  | G02F 1/35  |
| G02F 1/3532 | G02F 1/35  |
| G02F 1/3534 | G02F 1/35  |
| G02F 1/3536 | G02F 1/35  |
| G02F 1/3538 | G02F 1/35  |
| G02F 1/354  | G02F 1/35  |
| G02F 1/3542 | G02F 1/35  |
| G02F 1/3544 | G02F 1/35  |
| G02F 1/3546 | G02F 1/35  |
| G02F 1/3548 | G02F 1/35  |
| G02F 1/355  | G02F 1/355 |
| G02F 1/3551 | G02F 1/355 |
| G02F 1/3553 | G02F 1/355 |
| G02F 1/3555 | G02F 1/355 |
| G02F 1/3556 | G02F 1/355 |
| G02F 1/3558 | G02F 1/355 |
| G02F 1/361  | G02F 1/361 |
| G02F 1/3611 | G02F 1/361 |

| CPC Group   | IPC Group  |
|-------------|------------|
| G02F 1/3612 | G02F 1/361 |
| G02F 1/3613 | G02F 1/361 |
| G02F 1/3614 | G02F 1/361 |
| G02F 1/3615 | G02F 1/361 |
| G02F 1/3616 | G02F 1/361 |
| G02F 1/3617 | G02F 1/361 |
| G02F 1/3618 | G02F 1/361 |
| G02F 1/3619 | G02F 1/361 |
| G02F 1/365  | G02F 1/365 |
| G02F 1/37   | G02F 1/37  |
| G02F 1/372  | G02F 1/37  |
| G02F 1/374  | G02F 1/37  |
| G02F 1/377  | G02F 1/377 |
| G02F 1/3775 | G02F 1/377 |
| G02F 1/383  | G02F 1/383 |
| G02F 1/39   | G02F 1/39  |
| G02F 1/392  | G02F 1/39  |
| G02F 1/395  | G02F 1/39  |
| G02F 1/397  | G02F 1/39  |
| G02F 2/00   | G02F 2/00  |
| G02F 2/002  | G02F 2/00  |
| G02F 2/004  | G02F 2/00  |
| G02F 2/006  | G02F 2/00  |
| G02F 2/008  | G02F 2/00  |

| CPC Group     | IPC Group |
|---------------|-----------|
| G02F 2/02     | G02F 2/02 |
| G02F 3/00     | G02F 3/00 |
| G02F 3/02     | G02F 3/02 |
| G02F 3/022    | G02F 3/02 |
| G02F 3/024    | G02F 3/02 |
| G02F 3/026    | G02F 3/02 |
| G02F 3/028    | G02F 3/02 |
| G02F 7/00     | G02F 7/00 |
| G02F 2201/00  | —         |
| G02F 2201/02  | —         |
| G02F 2201/04  | —         |
| G02F 2201/05  | —         |
| G02F 2201/06  | —         |
| G02F 2201/063 | —         |
| G02F 2201/066 | —         |
| G02F 2201/07  | —         |
| G02F 2201/08  | —         |
| G02F 2201/083 | —         |
| G02F 2201/086 | —         |
| G02F 2201/12  | —         |
| G02F 2201/121 | —         |
| G02F 2201/122 | —         |
| G02F 2201/123 | —         |
| G02F 2201/124 | —         |

| CPC Group     | IPC Group |
|---------------|-----------|
| G02F 2201/125 | —         |
| G02F 2201/126 | —         |
| G02F 2201/127 | —         |
| G02F 2201/128 | —         |
| G02F 2201/14  | —         |
| G02F 2201/15  | —         |
| G02F 2201/16  | —         |
| G02F 2201/17  | —         |
| G02F 2201/18  | —         |
| G02F 2201/20  | —         |
| G02F 2201/205 | —         |
| G02F 2201/30  | —         |
| G02F 2201/302 | —         |
| G02F 2201/305 | —         |
| G02F 2201/307 | —         |
| G02F 2201/34  | —         |
| G02F 2201/343 | —         |
| G02F 2201/346 | —         |
| G02F 2201/36  | —         |
| G02F 2201/38  | —         |
| G02F 2201/40  | —         |
| G02F 2201/42  | —         |
| G02F 2201/44  | —         |
| G02F 2201/46  | —         |

| CPC Group     | IPC Group |
|---------------|-----------|
| G02F 2201/465 | —         |
| G02F 2201/48  | —         |
| G02F 2201/50  | —         |
| G02F 2201/501 | —         |
| G02F 2201/503 | —         |
| G02F 2201/505 | —         |
| G02F 2201/506 | —         |
| G02F 2201/508 | —         |
| G02F 2201/52  | —         |
| G02F 2201/54  | —         |
| G02F 2201/56  | —         |
| G02F 2201/58  | —         |
| G02F 2202/00  | —         |
| G02F 2202/01  | —         |
| G02F 2202/02  | —         |
| G02F 2202/021 | —         |
| G02F 2202/022 | —         |
| G02F 2202/023 | —         |
| G02F 2202/025 | —         |
| G02F 2202/026 | —         |
| G02F 2202/027 | —         |
| G02F 2202/028 | —         |
| G02F 2202/04  | —         |
| G02F 2202/043 | —         |

| CPC Group     | IPC Group |
|---------------|-----------|
| G02F 2202/046 | —         |
| G02F 2202/06  | —         |
| G02F 2202/07  | —         |
| G02F 2202/08  | —         |
| G02F 2202/09  | —         |
| G02F 2202/10  | —         |
| G02F 2202/101 | —         |
| G02F 2202/102 | —         |
| G02F 2202/103 | —         |
| G02F 2202/104 | —         |
| G02F 2202/105 | —         |
| G02F 2202/106 | —         |
| G02F 2202/107 | —         |
| G02F 2202/108 | —         |
| G02F 2202/12  | —         |
| G02F 2202/13  | —         |
| G02F 2202/14  | —         |
| G02F 2202/16  | —         |
| G02F 2202/20  | —         |
| G02F 2202/22  | —         |
| G02F 2202/28  | —         |
| G02F 2202/30  | —         |
| G02F 2202/32  | —         |
| G02F 2202/34  | —         |

| CPC Group     | IPC Group |
|---------------|-----------|
| G02F 2202/36  | —         |
| G02F 2202/38  | —         |
| G02F 2202/40  | —         |
| G02F 2202/42  | —         |
| G02F 2203/00  | —         |
| G02F 2203/01  | —         |
| G02F 2203/02  | —         |
| G02F 2203/023 | —         |
| G02F 2203/026 | —         |
| G02F 2203/03  | —         |
| G02F 2203/04  | —         |
| G02F 2203/05  | —         |
| G02F 2203/055 | —         |
| G02F 2203/06  | —         |
| G02F 2203/07  | —         |
| G02F 2203/09  | —         |
| G02F 2203/10  | —         |
| G02F 2203/11  | —         |
| G02F 2203/12  | —         |
| G02F 2203/13  | —         |
| G02F 2203/15  | —         |
| G02F 2203/16  | —         |
| G02F 2203/17  | —         |
| G02F 2203/18  | —         |

| CPC Group     | IPC Group |
|---------------|-----------|
| G02F 2203/19  | —         |
| G02F 2203/20  | —         |
| G02F 2203/21  | —         |
| G02F 2203/22  | —         |
| G02F 2203/24  | —         |
| G02F 2203/25  | —         |
| G02F 2203/255 | —         |
| G02F 2203/26  | —         |
| G02F 2203/28  | —         |
| G02F 2203/30  | —         |
| G02F 2203/34  | —         |
| G02F 2203/48  | —         |
| G02F 2203/50  | —         |
| G02F 2203/52  | —         |
| G02F 2203/54  | —         |
| G02F 2203/56  | —         |
| G02F 2203/58  | —         |
| G02F 2203/585 | —         |
| G02F 2203/60  | —         |
| G02F 2203/62  | —         |
| G02F 2203/64  | —         |
| G02F 2203/66  | —         |
| G02F 2203/68  | —         |
| G02F 2203/69  | —         |

| CPC Group     | IPC Group |
|---------------|-----------|
| G02F 2203/70  | —         |
| G02F 2413/00  | —         |
| G02F 2413/01  | —         |
| G02F 2413/02  | —         |
| G02F 2413/03  | —         |
| G02F 2413/04  | —         |
| G02F 2413/05  | —         |
| G02F 2413/06  | —         |
| G02F 2413/07  | —         |
| G02F 2413/08  | —         |
| G02F 2413/10  | —         |
| G02F 2413/105 | —         |
| G02F 2413/12  | —         |
| G02F 2413/13  | —         |
| G02F 2413/14  | —         |
| G02F 2413/15  | —         |