

CPC to IPC Concordance for Subclass B21B

| CPC Group | IPC Group |
|----------------------|-------------------|
| B21B 1/00 | B21B 1/00 |
| B21B 1/02 | B21B 1/02 |
| B21B 2001/022 | B21B 1/02 |
| B21B 1/024 | B21B 1/02 |
| B21B 1/026 | B21B 1/02 |
| B21B 2001/028 | B21B 1/02 |
| B21B 1/04 | B21B 1/04 |
| B21B 1/06 | B21B 1/06 |
| B21B 1/08 | B21B 1/08 |
| B21B 1/0805 | B21B 1/08 |
| B21B 2001/081 | B21B 1/08 |
| B21B 1/0815 | B21B 1/08 |
| B21B 1/082 | B21B 1/082 |
| B21B 1/085 | B21B 1/085 |
| B21B 1/0855 | B21B 1/085 |
| B21B 1/088 | B21B 1/088 |
| B21B 1/0883 | B21B 1/088 |
| B21B 1/0886 | B21B 1/088 |
| B21B 1/09 | B21B 1/09 |
| B21B 1/092 | B21B 1/092 |
| B21B 1/095 | B21B 1/095 |
| B21B 1/098 | B21B 1/098 |
| B21B 1/10 | B21B 1/10 |

| CPC Group | IPC Group |
|---------------|-----------|
| B21B 1/12 | B21B 1/12 |
| B21B 1/14 | B21B 1/14 |
| B21B 1/16 | B21B 1/16 |
| B21B 1/163 | B21B 1/16 |
| B21B 1/166 | B21B 1/16 |
| B21B 1/18 | B21B 1/18 |
| B21B 1/20 | B21B 1/20 |
| B21B 1/22 | B21B 1/22 |
| B21B 2001/221 | B21B 1/22 |
| B21B 1/222 | B21B 1/22 |
| B21B 1/224 | B21B 1/22 |
| B21B 2001/225 | B21B 1/22 |
| B21B 1/227 | B21B 1/22 |
| B21B 2001/228 | B21B 1/22 |
| B21B 1/24 | B21B 1/24 |
| B21B 1/26 | B21B 1/26 |
| B21B 1/265 | B21B 1/26 |
| B21B 1/28 | B21B 1/28 |
| B21B 1/30 | B21B 1/30 |
| B21B 1/32 | B21B 1/32 |
| B21B 1/34 | B21B 1/34 |
| B21B 1/36 | B21B 1/36 |
| B21B 1/38 | B21B 1/38 |
| B21B 2001/383 | B21B 1/38 |

| CPC Group | IPC Group |
|---------------|------------|
| B21B 2001/386 | B21B 1/38 |
| B21B 1/40 | B21B 1/40 |
| B21B 1/42 | B21B 1/42 |
| B21B 1/46 | B21B 1/46 |
| B21B 1/463 | B21B 1/46 |
| B21B 1/466 | B21B 1/46 |
| B21B 3/00 | B21B 3/00 |
| B21B 2003/001 | B21B 3/00 |
| B21B 3/003 | B21B 3/00 |
| B21B 2003/005 | B21B 3/00 |
| B21B 2003/006 | B21B 3/00 |
| B21B 2003/008 | B21B 3/00 |
| B21B 3/02 | B21B 3/02 |
| B21B 5/00 | B21B 5/00 |
| B21B 9/00 | B21B 9/00 |
| B21B 11/00 | B21B 11/00 |
| B21B 13/00 | B21B 13/00 |
| B21B 13/001 | B21B 13/00 |
| B21B 2013/003 | B21B 13/00 |
| B21B 13/005 | B21B 13/00 |
| B21B 2013/006 | B21B 13/00 |
| B21B 13/008 | B21B 13/00 |
| B21B 13/02 | B21B 13/02 |
| B21B 2013/021 | B21B 13/02 |

| CPC Group | IPC Group |
|----------------|------------|
| B21B 13/023 | B21B 13/02 |
| B21B 2013/025 | B21B 13/02 |
| B21B 2013/026 | B21B 13/02 |
| B21B 2013/028 | B21B 13/02 |
| B21B 13/04 | B21B 13/04 |
| B21B 13/06 | B21B 13/06 |
| B21B 13/08 | B21B 13/08 |
| B21B 13/10 | B21B 13/10 |
| B21B 13/103 | B21B 13/10 |
| B21B 2013/106 | B21B 13/10 |
| B21B 13/12 | B21B 13/12 |
| B21B 13/14 | B21B 13/14 |
| B21B 13/142 | B21B 13/14 |
| B21B 13/145 | B21B 13/14 |
| B21B 13/147 | B21B 13/14 |
| B21B 13/16 | B21B 13/16 |
| B21B 13/18 | B21B 13/18 |
| B21B 13/20 | B21B 13/20 |
| B21B 13/22 | B21B 13/22 |
| B21B 15/00 | B21B 15/00 |
| B21B 15/0007 | B21B 15/00 |
| B21B 2015/0014 | B21B 15/00 |
| B21B 2015/0021 | B21B 15/00 |
| B21B 2015/0028 | B21B 15/00 |

| CPC Group | IPC Group |
|-----------------------|-------------------|
| B21B 15/0035 | B21B 15/00 |
| B21B 15/0042 | B21B 15/00 |
| B21B 15/005 | B21B 15/00 |
| B21B 2015/0057 | B21B 15/00 |
| B21B 2015/0064 | B21B 15/00 |
| B21B 2015/0071 | B21B 15/00 |
| B21B 2015/0078 | B21B 15/00 |
| B21B 15/0085 | B21B 15/00 |
| B21B 2015/0092 | B21B 15/00 |
| B21B 15/02 | B21B 15/02 |
| B21B 17/00 | B21B 17/00 |
| B21B 17/02 | B21B 17/02 |
| B21B 17/04 | B21B 17/04 |
| B21B 17/06 | B21B 17/06 |
| B21B 17/08 | B21B 17/08 |
| B21B 17/10 | B21B 17/10 |
| B21B 17/12 | B21B 17/12 |
| B21B 17/14 | B21B 17/14 |
| B21B 19/00 | B21B 19/00 |
| B21B 19/02 | B21B 19/02 |
| B21B 19/04 | B21B 19/04 |
| B21B 19/06 | B21B 19/06 |
| B21B 19/08 | B21B 19/08 |
| B21B 19/10 | B21B 19/10 |

| CPC Group | IPC Group |
|------------------|------------------|
| B21B 19/12 | B21B 19/12 |
| B21B 19/14 | B21B 19/14 |
| B21B 19/16 | B21B 19/16 |
| B21B 21/00 | B21B 21/00 |
| B21B 21/005 | B21B 21/00 |
| B21B 21/02 | B21B 21/02 |
| B21B 21/04 | B21B 21/04 |
| B21B 21/045 | B21B 21/04 |
| B21B 21/06 | B21B 21/06 |
| B21B 21/065 | B21B 21/06 |
| B21B 23/00 | B21B 23/00 |
| B21B 2023/005 | B21B 23/00 |
| B21B 25/00 | B21B 25/00 |
| B21B 25/02 | B21B 25/02 |
| B21B 25/04 | B21B 25/04 |
| B21B 25/06 | B21B 25/06 |
| B21B 27/00 | B21B 27/00 |
| B21B 27/005 | B21B 27/00 |
| B21B 27/02 | B21B 27/02 |
| B21B 27/021 | B21B 27/02 |
| B21B 2027/022 | B21B 27/02 |
| B21B 27/024 | B21B 27/02 |
| B21B 27/025 | B21B 27/02 |
| B21B 27/027 | B21B 27/02 |

| CPC Group | IPC Group |
|---------------|------------|
| B21B 27/028 | B21B 27/02 |
| B21B 27/03 | B21B 27/03 |
| B21B 27/032 | B21B 27/03 |
| B21B 27/035 | B21B 27/03 |
| B21B 27/037 | B21B 27/03 |
| B21B 27/05 | B21B 27/05 |
| B21B 27/055 | B21B 27/05 |
| B21B 27/06 | B21B 27/06 |
| B21B 27/08 | B21B 27/08 |
| B21B 2027/083 | B21B 27/08 |
| B21B 2027/086 | B21B 27/08 |
| B21B 27/10 | B21B 27/10 |
| B21B 2027/103 | B21B 27/10 |
| B21B 27/106 | B21B 27/10 |
| B21B 28/00 | B21B 28/00 |
| B21B 28/02 | B21B 28/02 |
| B21B 28/04 | B21B 28/04 |
| B21B 29/00 | B21B 29/00 |
| B21B 31/00 | B21B 31/00 |
| B21B 31/02 | B21B 31/02 |
| B21B 2031/021 | B21B 31/02 |
| B21B 2031/023 | B21B 31/02 |
| B21B 2031/025 | B21B 31/02 |
| B21B 2031/026 | B21B 31/02 |

| CPC Group | IPC Group |
|----------------------|-------------------|
| B21B 31/028 | B21B 31/02 |
| B21B 31/04 | B21B 31/04 |
| B21B 31/06 | B21B 31/06 |
| B21B 31/07 | B21B 31/07 |
| B21B 2031/072 | B21B 31/07 |
| B21B 31/074 | B21B 31/07 |
| B21B 31/076 | B21B 31/07 |
| B21B 31/078 | B21B 31/07 |
| B21B 31/08 | B21B 31/08 |
| B21B 31/10 | B21B 31/10 |
| B21B 31/103 | B21B 31/10 |
| B21B 31/106 | B21B 31/10 |
| B21B 31/12 | B21B 31/12 |
| B21B 31/14 | B21B 31/14 |
| B21B 31/16 | B21B 31/16 |
| B21B 31/18 | B21B 31/18 |
| B21B 31/185 | B21B 31/18 |
| B21B 31/20 | B21B 31/20 |
| B21B 31/203 | B21B 31/20 |
| B21B 2031/206 | B21B 31/20 |
| B21B 31/22 | B21B 31/22 |
| B21B 31/24 | B21B 31/24 |
| B21B 31/26 | B21B 31/26 |
| B21B 31/28 | B21B 31/28 |

| CPC Group | IPC Group |
|---------------|------------|
| B21B 31/30 | B21B 31/30 |
| B21B 31/32 | B21B 31/32 |
| B21B 33/00 | B21B 33/00 |
| B21B 2033/005 | B21B 33/00 |
| B21B 33/02 | B21B 33/02 |
| B21B 35/00 | B21B 35/00 |
| B21B 2035/005 | B21B 35/00 |
| B21B 35/02 | B21B 35/02 |
| B21B 35/025 | B21B 35/02 |
| B21B 35/04 | B21B 35/04 |
| B21B 35/06 | B21B 35/06 |
| B21B 35/08 | B21B 35/08 |
| B21B 35/10 | B21B 35/10 |
| B21B 2035/103 | B21B 35/10 |
| B21B 2035/106 | B21B 35/10 |
| B21B 35/12 | B21B 35/12 |
| B21B 35/14 | B21B 35/14 |
| B21B 35/141 | B21B 35/14 |
| B21B 35/142 | B21B 35/14 |
| B21B 35/143 | B21B 35/14 |
| B21B 35/144 | B21B 35/14 |
| B21B 35/145 | B21B 35/14 |
| B21B 35/146 | B21B 35/14 |
| B21B 35/147 | B21B 35/14 |

| CPC Group | IPC Group |
|---------------|------------|
| B21B 35/148 | B21B 35/14 |
| B21B 2035/149 | B21B 35/14 |
| B21B 37/00 | B21B 37/00 |
| B21B 2037/002 | B21B 37/00 |
| B21B 37/005 | B21B 37/00 |
| B21B 37/007 | B21B 37/00 |
| B21B 37/16 | B21B 37/16 |
| B21B 37/165 | B21B 37/16 |
| B21B 37/18 | B21B 37/18 |
| B21B 37/20 | B21B 37/20 |
| B21B 37/22 | B21B 37/22 |
| B21B 37/24 | B21B 37/24 |
| B21B 37/26 | B21B 37/26 |
| B21B 37/28 | B21B 37/28 |
| B21B 37/30 | B21B 37/30 |
| B21B 37/32 | B21B 37/32 |
| B21B 37/34 | B21B 37/34 |
| B21B 37/36 | B21B 37/36 |
| B21B 37/38 | B21B 37/38 |
| B21B 37/40 | B21B 37/40 |
| B21B 37/42 | B21B 37/42 |
| B21B 37/44 | B21B 37/44 |
| B21B 37/46 | B21B 37/46 |
| B21B 37/48 | B21B 37/48 |

| CPC Group | IPC Group |
|---------------|------------|
| B21B 37/50 | B21B 37/50 |
| B21B 37/52 | B21B 37/52 |
| B21B 37/54 | B21B 37/54 |
| B21B 37/56 | B21B 37/56 |
| B21B 37/58 | B21B 37/58 |
| B21B 37/60 | B21B 37/60 |
| B21B 37/62 | B21B 37/62 |
| B21B 37/64 | B21B 37/64 |
| B21B 37/66 | B21B 37/66 |
| B21B 37/68 | B21B 37/68 |
| B21B 37/70 | B21B 37/70 |
| B21B 37/72 | B21B 37/72 |
| B21B 37/74 | B21B 37/74 |
| B21B 37/76 | B21B 37/76 |
| B21B 37/78 | B21B 37/78 |
| B21B 38/00 | B21B 38/00 |
| B21B 2038/002 | B21B 38/00 |
| B21B 2038/004 | B21B 38/00 |
| B21B 38/006 | B21B 38/00 |
| B21B 38/008 | B21B 38/00 |
| B21B 38/02 | B21B 38/02 |
| B21B 38/04 | B21B 38/04 |
| B21B 38/06 | B21B 38/06 |
| B21B 38/08 | B21B 38/08 |

| CPC Group | IPC Group |
|--------------------|-------------------|
| B21B 38/10 | B21B 38/10 |
| B21B 38/105 | B21B 38/10 |
| B21B 38/12 | B21B 38/12 |
| B21B 39/00 | B21B 39/00 |
| B21B 39/002 | B21B 39/00 |
| B21B 39/004 | B21B 39/00 |
| B21B 39/006 | B21B 39/00 |
| B21B 39/008 | B21B 39/00 |
| B21B 39/02 | B21B 39/02 |
| B21B 39/04 | B21B 39/04 |
| B21B 39/06 | B21B 39/06 |
| B21B 39/08 | B21B 39/08 |
| B21B 39/082 | B21B 39/08 |
| B21B 39/084 | B21B 39/08 |
| B21B 39/086 | B21B 39/08 |
| B21B 39/088 | B21B 39/08 |
| B21B 39/10 | B21B 39/10 |
| B21B 39/12 | B21B 39/12 |
| B21B 39/14 | B21B 39/14 |
| B21B 39/16 | B21B 39/16 |
| B21B 39/165 | B21B 39/16 |
| B21B 39/18 | B21B 39/18 |
| B21B 39/20 | B21B 39/20 |
| B21B 39/22 | B21B 39/22 |

| CPC Group | IPC Group |
|--------------------|-------------------|
| B21B 39/223 | B21B 39/22 |
| B21B 39/226 | B21B 39/22 |
| B21B 39/24 | B21B 39/24 |
| B21B 39/26 | B21B 39/26 |
| B21B 39/28 | B21B 39/28 |
| B21B 39/30 | B21B 39/30 |
| B21B 39/32 | B21B 39/32 |
| B21B 39/34 | B21B 39/34 |
| B21B 41/00 | B21B 41/00 |
| B21B 41/02 | B21B 41/02 |
| B21B 41/04 | B21B 41/04 |
| B21B 41/06 | B21B 41/06 |
| B21B 41/08 | B21B 41/08 |
| B21B 41/10 | B21B 41/10 |
| B21B 41/12 | B21B 41/12 |
| B21B 43/00 | B21B 43/00 |
| B21B 43/003 | B21B 43/00 |
| B21B 43/006 | B21B 43/00 |
| B21B 43/02 | B21B 43/02 |
| B21B 43/04 | B21B 43/04 |
| B21B 43/06 | B21B 43/06 |
| B21B 43/08 | B21B 43/08 |
| B21B 43/10 | B21B 43/10 |
| B21B 43/12 | B21B 43/12 |

| CPC Group | IPC Group |
|----------------|------------|
| B21B 45/00 | B21B 45/00 |
| B21B 45/002 | B21B 45/00 |
| B21B 45/004 | B21B 45/00 |
| B21B 2045/006 | B21B 45/00 |
| B21B 45/008 | B21B 45/00 |
| B21B 45/02 | B21B 45/02 |
| B21B 45/0203 | B21B 45/02 |
| B21B 45/0206 | B21B 45/02 |
| B21B 45/0209 | B21B 45/02 |
| B21B 2045/0212 | B21B 45/02 |
| B21B 45/0215 | B21B 45/02 |
| B21B 45/0218 | B21B 45/02 |
| B21B 2045/0221 | B21B 45/02 |
| B21B 45/0224 | B21B 45/02 |
| B21B 2045/0227 | B21B 45/02 |
| B21B 45/023 | B21B 45/02 |
| B21B 45/0233 | B21B 45/02 |
| B21B 2045/0236 | B21B 45/02 |
| B21B 45/0239 | B21B 45/02 |
| B21B 45/0242 | B21B 45/02 |
| B21B 45/0245 | B21B 45/02 |
| B21B 45/0248 | B21B 45/02 |
| B21B 45/0251 | B21B 45/02 |
| B21B 2045/0254 | B21B 45/02 |

| CPC Group | IPC Group |
|----------------------|-------------------|
| B21B 45/0257 | B21B 45/02 |
| B21B 2045/026 | B21B 45/02 |
| B21B 45/0263 | B21B 45/02 |
| B21B 45/0266 | B21B 45/02 |
| B21B 45/0269 | B21B 45/02 |
| B21B 45/0272 | B21B 45/02 |
| B21B 45/0275 | B21B 45/02 |
| B21B 45/0278 | B21B 45/02 |
| B21B 45/0281 | B21B 45/02 |
| B21B 45/0284 | B21B 45/02 |
| B21B 45/0287 | B21B 45/02 |
| B21B 45/029 | B21B 45/02 |
| B21B 45/0293 | B21B 45/02 |
| B21B 45/0296 | B21B 45/02 |
| B21B 45/04 | B21B 45/04 |
| B21B 45/06 | B21B 45/06 |
| B21B 45/08 | B21B 45/08 |
| B21B 47/00 | B21B 47/00 |
| B21B 47/02 | B21B 47/02 |
| B21B 47/04 | B21B 47/04 |
| B21B 99/00 | B21B 99/00 |
| B21B 2201/00 | — |
| B21B 2201/02 | — |
| B21B 2201/04 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| B21B 2201/06 | — |
| B21B 2201/08 | — |
| B21B 2201/10 | — |
| B21B 2201/12 | — |
| B21B 2201/14 | — |
| B21B 2201/16 | — |
| B21B 2201/18 | — |
| B21B 2203/00 | — |
| B21B 2203/02 | — |
| B21B 2203/04 | — |
| B21B 2203/06 | — |
| B21B 2203/08 | — |
| B21B 2203/10 | — |
| B21B 2203/12 | — |
| B21B 2203/14 | — |
| B21B 2203/16 | — |
| B21B 2203/18 | — |
| B21B 2203/182 | — |
| B21B 2203/185 | — |
| B21B 2203/187 | — |
| B21B 2203/20 | — |
| B21B 2203/22 | — |
| B21B 2203/24 | — |
| B21B 2203/26 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| B21B 2203/28 | — |
| B21B 2203/30 | — |
| B21B 2203/32 | — |
| B21B 2203/34 | — |
| B21B 2203/36 | — |
| B21B 2203/38 | — |
| B21B 2203/40 | — |
| B21B 2203/42 | — |
| B21B 2203/44 | — |
| B21B 2205/00 | — |
| B21B 2205/02 | — |
| B21B 2205/04 | — |
| B21B 2261/00 | — |
| B21B 2261/02 | — |
| B21B 2261/04 | — |
| B21B 2261/043 | — |
| B21B 2261/046 | — |
| B21B 2261/05 | — |
| B21B 2261/06 | — |
| B21B 2261/065 | — |
| B21B 2261/08 | — |
| B21B 2261/10 | — |
| B21B 2261/12 | — |
| B21B 2261/14 | — |

| CPC Group | IPC Group |
|--------------|-----------|
| B21B 2261/18 | — |
| B21B 2261/20 | — |
| B21B 2261/21 | — |
| B21B 2261/22 | — |
| B21B 2263/00 | — |
| B21B 2263/02 | — |
| B21B 2263/04 | — |
| B21B 2263/06 | — |
| B21B 2263/08 | — |
| B21B 2263/10 | — |
| B21B 2263/12 | — |
| B21B 2263/16 | — |
| B21B 2263/20 | — |
| B21B 2263/30 | — |
| B21B 2265/00 | — |
| B21B 2265/02 | — |
| B21B 2265/04 | — |
| B21B 2265/06 | — |
| B21B 2265/08 | — |
| B21B 2265/10 | — |
| B21B 2265/12 | — |
| B21B 2265/14 | — |
| B21B 2265/16 | — |
| B21B 2265/18 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| B21B 2265/20 | — |
| B21B 2265/22 | — |
| B21B 2265/24 | — |
| B21B 2267/00 | — |
| B21B 2267/02 | — |
| B21B 2267/06 | — |
| B21B 2267/065 | — |
| B21B 2267/08 | — |
| B21B 2267/10 | — |
| B21B 2267/12 | — |
| B21B 2267/18 | — |
| B21B 2267/19 | — |
| B21B 2267/20 | — |
| B21B 2267/22 | — |
| B21B 2267/24 | — |
| B21B 2267/26 | — |
| B21B 2267/28 | — |
| B21B 2269/00 | — |
| B21B 2269/02 | — |
| B21B 2269/04 | — |
| B21B 2269/06 | — |
| B21B 2269/08 | — |
| B21B 2269/10 | — |
| B21B 2269/12 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| B21B 2269/14 | — |
| B21B 2269/16 | — |
| B21B 2269/18 | — |
| B21B 2271/00 | — |
| B21B 2271/02 | — |
| B21B 2271/025 | — |
| B21B 2271/04 | — |
| B21B 2271/06 | — |
| B21B 2273/00 | — |
| B21B 2273/02 | — |
| B21B 2273/04 | — |
| B21B 2273/06 | — |
| B21B 2273/08 | — |
| B21B 2273/10 | — |
| B21B 2273/12 | — |
| B21B 2273/14 | — |
| B21B 2273/16 | — |
| B21B 2273/18 | — |
| B21B 2273/20 | — |
| B21B 2273/22 | — |
| B21B 2273/24 | — |
| B21B 2275/00 | — |
| B21B 2275/02 | — |
| B21B 2275/04 | — |

| CPC Group | IPC Group |
|--------------|-----------|
| B21B 2275/05 | — |
| B21B 2275/06 | — |
| B21B 2275/08 | — |
| B21B 2275/10 | — |
| B21B 2275/12 | — |