

CPC to IPC Concordance for Subclass C12N

| CPC Group | IPC Group |
|------------|-----------|
| C12N 1/00 | C12N 1/00 |
| C12N 1/005 | C12N 1/00 |
| C12N 1/02 | C12N 1/02 |
| C12N 1/04 | C12N 1/04 |
| C12N 1/06 | C12N 1/06 |
| C12N 1/063 | C12N 1/06 |
| C12N 1/066 | C12N 1/06 |
| C12N 1/08 | C12N 1/08 |
| C12N 1/10 | C12N 1/10 |
| C12N 1/12 | C12N 1/12 |
| C12N 1/14 | C12N 1/14 |
| C12N 1/16 | C12N 1/16 |
| C12N 1/18 | C12N 1/18 |
| C12N 1/20 | C12N 1/20 |
| C12N 1/22 | C12N 1/22 |
| C12N 1/24 | C12N 1/24 |
| C12N 1/26 | C12N 1/26 |
| C12N 1/28 | C12N 1/28 |
| C12N 1/30 | C12N 1/30 |
| C12N 1/32 | C12N 1/32 |
| C12N 1/34 | C12N 1/34 |
| C12N 1/36 | C12N 1/36 |
| C12N 1/38 | C12N 1/38 |

| CPC Group | IPC Group |
|-------------|------------|
| C12N 3/00 | C12N 3/00 |
| C12N 5/00 | C12N 5/00 |
| C12N 5/0006 | C12N 5/00 |
| C12N 5/0012 | C12N 5/00 |
| C12N 5/0018 | C12N 5/00 |
| C12N 5/0025 | C12N 5/00 |
| C12N 5/0031 | C12N 5/00 |
| C12N 5/0037 | C12N 5/00 |
| C12N 5/0043 | C12N 5/00 |
| C12N 5/005 | C12N 5/00 |
| C12N 5/0056 | C12N 5/00 |
| C12N 5/0062 | C12N 5/00 |
| C12N 5/0068 | C12N 5/00 |
| C12N 5/0075 | C12N 5/00 |
| C12N 5/0081 | C12N 5/00 |
| C12N 5/0087 | C12N 5/00 |
| C12N 5/0093 | C12N 5/00 |
| C12N 5/04 | C12N 5/04 |
| C12N 5/06 | C12N 5/07 |
| C12N 5/0601 | C12N 5/07 |
| C12N 5/0602 | C12N 5/071 |
| C12N 5/0603 | C12N 5/073 |
| C12N 5/0604 | C12N 5/073 |
| C12N 5/0605 | C12N 5/073 |

| CPC Group | IPC Group |
|-------------|-------------|
| C12N 5/0606 | C12N 5/0735 |
| C12N 5/0607 | C12N 5/074 |
| C12N 5/0608 | C12N 5/071 |
| C12N 5/0609 | C12N 5/075 |
| C12N 5/061 | C12N 5/076 |
| C12N 5/0611 | C12N 5/0735 |
| C12N 5/0612 | C12N 5/071 |
| C12N 5/0613 | C12N 5/071 |
| C12N 5/0614 | C12N 5/071 |
| C12N 5/0615 | C12N 5/071 |
| C12N 5/0616 | C12N 5/071 |
| C12N 5/0617 | C12N 5/071 |
| C12N 5/0618 | C12N 5/079 |
| C12N 5/0619 | C12N 5/0793 |
| C12N 5/062 | C12N 5/0793 |
| C12N 5/0621 | C12N 5/079 |
| C12N 5/0622 | C12N 5/079 |
| C12N 5/0623 | C12N 5/0797 |
| C12N 5/0625 | C12N 5/071 |
| C12N 5/0626 | C12N 5/071 |
| C12N 5/0627 | C12N 5/071 |
| C12N 5/0628 | C12N 5/071 |
| C12N 5/0629 | C12N 5/071 |
| C12N 5/063 | C12N 5/071 |

| CPC Group | IPC Group |
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| C12N 5/0631 | C12N 5/071 |
| C12N 5/0632 | C12N 5/071 |
| C12N 5/0633 | C12N 5/071 |
| C12N 5/0634 | C12N 5/078 |
| C12N 5/0635 | C12N 5/0781 |
| C12N 5/0636 | C12N 5/0783 |
| C12N 5/0637 | C12N 5/0783 |
| C12N 5/0638 | C12N 5/0783 |
| C12N 5/0639 | C12N 5/0784 |
| C12N 5/064 | C12N 5/0784 |
| C12N 5/0641 | C12N 5/078 |
| C12N 5/0642 | C12N 5/0787 |
| C12N 5/0643 | C12N 5/078 |
| C12N 5/0644 | C12N 5/078 |
| C12N 5/0645 | C12N 5/0786 |
| C12N 5/0646 | C12N 5/0783 |
| C12N 5/0647 | C12N 5/0789 |
| C12N 5/0648 | C12N 5/078 |
| C12N 5/065 | C12N 5/078 |
| C12N 5/0651 | C12N 5/078 |
| C12N 5/0652 | C12N 5/077 |
| C12N 5/0653 | C12N 5/077 |
| C12N 5/0654 | C12N 5/077 |
| C12N 5/0655 | C12N 5/077 |

| CPC Group | IPC Group |
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| C12N 5/066 | C12N 5/077 |
| C12N 5/0661 | C12N 5/077 |
| C12N 5/0662 | C12N 5/0775 |
| C12N 5/0663 | C12N 5/0775 |
| C12N 5/0664 | C12N 5/0775 |
| C12N 5/0665 | C12N 5/0775 |
| C12N 5/0666 | C12N 5/0775 |
| C12N 5/0667 | C12N 5/0775 |
| C12N 5/0668 | C12N 5/0775 |
| C12N 5/0669 | C12N 5/077 |
| C12N 5/067 | C12N 5/071 |
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| C12N 5/0678 | C12N 5/071 |
| C12N 5/0679 | C12N 5/071 |
| C12N 5/068 | C12N 5/071 |
| C12N 5/0681 | C12N 5/071 |
| C12N 5/0682 | C12N 5/071 |

| CPC Group | IPC Group |
|-------------|------------|
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| C12N 5/0684 | C12N 5/071 |
| C12N 5/0685 | C12N 5/071 |
| C12N 5/0686 | C12N 5/071 |
| C12N 5/0687 | C12N 5/071 |
| C12N 5/0688 | C12N 5/071 |
| C12N 5/0689 | C12N 5/071 |
| C12N 5/069 | C12N 5/071 |
| C12N 5/0691 | C12N 5/071 |
| C12N 5/0692 | C12N 5/071 |
| C12N 5/0693 | C12N 5/09 |
| C12N 5/0694 | C12N 5/09 |
| C12N 5/0695 | C12N 5/095 |
| C12N 5/0696 | C12N 5/074 |
| C12N 5/0697 | C12N 5/071 |
| C12N 5/0698 | C12N 5/071 |
| C12N 5/10 | C12N 5/10 |
| C12N 5/12 | C12N 5/12 |
| C12N 5/14 | C12N 5/14 |
| C12N 5/16 | C12N 5/16 |
| C12N 5/163 | C12N 5/16 |
| C12N 5/166 | C12N 5/26 |
| C12N 7/00 | C12N 7/00 |
| C12N 7/02 | C12N 7/02 |

| CPC Group | IPC Group |
|-------------|-----------|
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| C12N 7/04 | C12N 7/04 |
| C12N 7/045 | C12N 7/04 |
| C12N 7/06 | C12N 7/06 |
| C12N 7/08 | C12N 7/08 |
| C12N 9/00 | C12N 9/00 |
| C12N 9/0002 | C12N 9/00 |
| C12N 9/0004 | C12N 9/02 |
| C12N 9/0006 | C12N 9/04 |
| C12N 9/0008 | C12N 9/02 |
| C12N 9/001 | C12N 9/02 |
| C12N 9/0012 | C12N 9/06 |
| C12N 9/0014 | C12N 9/06 |
| C12N 9/0016 | C12N 9/06 |
| C12N 9/0018 | C12N 9/06 |
| C12N 9/002 | C12N 9/06 |
| C12N 9/0022 | C12N 9/06 |
| C12N 9/0024 | C12N 9/06 |
| C12N 9/0026 | C12N 9/06 |
| C12N 9/0028 | C12N 9/06 |
| C12N 9/003 | C12N 9/06 |
| C12N 9/0032 | C12N 9/06 |
| C12N 9/0034 | C12N 9/06 |
| C12N 9/0036 | C12N 9/02 |

| CPC Group | IPC Group |
|-------------|-----------|
| C12N 9/0038 | C12N 9/02 |
| C12N 9/004 | C12N 9/02 |
| C12N 9/0042 | C12N 9/02 |
| C12N 9/0044 | C12N 9/06 |
| C12N 9/0046 | C12N 9/06 |
| C12N 9/0048 | C12N 9/06 |
| C12N 9/0051 | C12N 9/02 |
| C12N 9/0053 | C12N 9/02 |
| C12N 9/0055 | C12N 9/02 |
| C12N 9/0057 | C12N 9/02 |
| C12N 9/0059 | C12N 9/02 |
| C12N 9/0061 | C12N 9/02 |
| C12N 9/0063 | C12N 9/02 |
| C12N 9/0065 | C12N 9/08 |
| C12N 9/0067 | C12N 9/02 |
| C12N 9/0069 | C12N 9/02 |
| C12N 9/0071 | C12N 9/02 |
| C12N 9/0073 | C12N 9/02 |
| C12N 9/0075 | C12N 9/02 |
| C12N 9/0077 | C12N 9/02 |
| C12N 9/0079 | C12N 9/02 |
| C12N 9/0081 | C12N 9/02 |
| C12N 9/0083 | C12N 9/02 |
| C12N 9/0085 | C12N 9/02 |

| CPC Group | IPC Group |
|-------------|-----------|
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| C12N 9/0089 | C12N 9/02 |
| C12N 9/0091 | C12N 9/02 |
| C12N 9/0093 | C12N 9/02 |
| C12N 9/0095 | C12N 9/02 |
| C12N 9/0097 | C12N 9/02 |
| C12N 9/10 | C12N 9/10 |
| C12N 9/1003 | C12N 9/10 |
| C12N 9/1007 | C12N 9/10 |
| C12N 9/1011 | C12N 9/10 |
| C12N 9/1014 | C12N 9/10 |
| C12N 9/1018 | C12N 9/10 |
| C12N 9/1022 | C12N 9/10 |
| C12N 9/1025 | C12N 9/10 |
| C12N 9/1029 | C12N 9/10 |
| C12N 9/1033 | C12N 9/10 |
| C12N 9/1037 | C12N 9/10 |
| C12N 9/104 | C12N 9/10 |
| C12N 9/1044 | C12N 9/10 |
| C12N 9/1048 | C12N 9/10 |
| C12N 9/1051 | C12N 9/10 |
| C12N 9/1055 | C12N 9/10 |
| C12N 9/1059 | C12N 9/10 |
| C12N 9/1062 | C12N 9/10 |

| CPC Group | IPC Group |
|------------------|------------------|
| C12N 9/1066 | C12N 9/10 |
| C12N 9/107 | C12N 9/10 |
| C12N 9/1074 | C12N 9/10 |
| C12N 9/1077 | C12N 9/10 |
| C12N 9/1081 | C12N 9/10 |
| C12N 9/1085 | C12N 9/10 |
| C12N 9/1088 | C12N 9/10 |
| C12N 9/1092 | C12N 9/10 |
| C12N 9/1096 | C12N 9/10 |
| C12N 9/12 | C12N 9/12 |
| C12N 9/1205 | C12N 9/12 |
| C12N 9/1211 | C12N 9/12 |
| C12N 9/1217 | C12N 9/12 |
| C12N 9/1223 | C12N 9/12 |
| C12N 9/1229 | C12N 9/12 |
| C12N 9/1235 | C12N 9/12 |
| C12N 9/1241 | C12N 9/12 |
| C12N 9/1247 | C12N 9/12 |
| C12N 9/1252 | C12N 9/12 |
| C12N 9/1258 | C12N 9/12 |
| C12N 9/1264 | C12N 9/12 |
| C12N 9/127 | C12N 9/12 |
| C12N 9/1276 | C12N 9/12 |
| C12N 9/1282 | C12N 9/12 |

| CPC Group | IPC Group |
|-------------|-----------|
| C12N 9/1288 | C12N 9/12 |
| C12N 9/1294 | C12N 9/12 |
| C12N 9/13 | C12N 9/10 |
| C12N 9/14 | C12N 9/14 |
| C12N 9/16 | C12N 9/16 |
| C12N 9/18 | C12N 9/18 |
| C12N 9/20 | C12N 9/20 |
| C12N 9/22 | C12N 9/22 |
| C12N 9/24 | C12N 9/24 |
| C12N 9/2402 | C12N 9/24 |
| C12N 9/2405 | C12N 9/24 |
| C12N 9/2408 | C12N 9/26 |
| C12N 9/2411 | C12N 9/26 |
| C12N 9/2414 | C12N 9/26 |
| C12N 9/2417 | C12N 9/28 |
| C12N 9/242 | C12N 9/30 |
| C12N 9/2422 | C12N 9/32 |
| C12N 9/2425 | C12N 9/26 |
| C12N 9/2428 | C12N 9/34 |
| C12N 9/2431 | C12N 9/26 |
| C12N 9/2434 | C12N 9/42 |
| C12N 9/2437 | C12N 9/42 |
| C12N 9/244 | C12N 9/42 |
| C12N 9/2442 | C12N 9/42 |

| CPC Group | IPC Group |
|-------------|-----------|
| C12N 9/2445 | C12N 9/42 |
| C12N 9/2448 | C12N 9/42 |
| C12N 9/2451 | C12N 9/44 |
| C12N 9/2454 | C12N 9/46 |
| C12N 9/2457 | C12N 9/44 |
| C12N 9/246 | C12N 9/44 |
| C12N 9/2462 | C12N 9/36 |
| C12N 9/2465 | C12N 9/40 |
| C12N 9/2468 | C12N 9/38 |
| C12N 9/2471 | C12N 9/38 |
| C12N 9/2474 | C12N 9/26 |
| C12N 9/2477 | C12N 9/24 |
| C12N 9/248 | C12N 9/24 |
| C12N 9/2482 | C12N 9/24 |
| C12N 9/2485 | C12N 9/24 |
| C12N 9/2488 | C12N 9/24 |
| C12N 9/2491 | C12N 9/24 |
| C12N 9/2494 | C12N 9/24 |
| C12N 9/2497 | C12N 9/24 |
| C12N 9/48 | C12N 9/48 |
| C12N 9/485 | C12N 9/48 |
| C12N 9/50 | C12N 9/50 |
| C12N 9/503 | C12N 9/50 |
| C12N 9/506 | C12N 9/50 |

| CPC Group | IPC Group |
|-------------|-----------|
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| C12N 9/54 | C12N 9/54 |
| C12N 9/58 | C12N 9/58 |
| C12N 9/60 | C12N 9/60 |
| C12N 9/62 | C12N 9/62 |
| C12N 9/63 | C12N 9/50 |
| C12N 9/64 | C12N 9/64 |
| C12N 9/6402 | C12N 9/64 |
| C12N 9/6405 | C12N 9/64 |
| C12N 9/6408 | C12N 9/64 |
| C12N 9/641 | C12N 9/64 |
| C12N 9/6413 | C12N 9/64 |
| C12N 9/6416 | C12N 9/64 |
| C12N 9/6418 | C12N 9/64 |
| C12N 9/6421 | C12N 9/64 |
| C12N 9/6424 | C12N 9/64 |
| C12N 9/6427 | C12N 9/76 |
| C12N 9/6429 | C12N 9/74 |
| C12N 9/6432 | C12N 9/64 |
| C12N 9/6435 | C12N 9/68 |
| C12N 9/6437 | C12N 9/64 |
| C12N 9/644 | C12N 9/64 |
| C12N 9/6443 | C12N 9/64 |
| C12N 9/6445 | C12N 9/64 |

| CPC Group | IPC Group |
|-------------|-----------|
| C12N 9/6448 | C12N 9/64 |
| C12N 9/6451 | C12N 9/64 |
| C12N 9/6454 | C12N 9/64 |
| C12N 9/6456 | C12N 9/72 |
| C12N 9/6459 | C12N 9/72 |
| C12N 9/6462 | C12N 9/72 |
| C12N 9/6464 | C12N 9/64 |
| C12N 9/6467 | C12N 9/64 |
| C12N 9/647 | C12N 9/64 |
| C12N 9/6472 | C12N 9/64 |
| C12N 9/6475 | C12N 9/64 |
| C12N 9/6478 | C12N 9/64 |
| C12N 9/6481 | C12N 9/64 |
| C12N 9/6483 | C12N 9/64 |
| C12N 9/6486 | C12N 9/64 |
| C12N 9/6489 | C12N 9/64 |
| C12N 9/6491 | C12N 9/64 |
| C12N 9/6494 | C12N 9/64 |
| C12N 9/6497 | C12N 9/64 |
| C12N 9/78 | C12N 9/78 |
| C12N 9/80 | C12N 9/80 |
| C12N 9/82 | C12N 9/82 |
| C12N 9/84 | C12N 9/84 |
| C12N 9/86 | C12N 9/86 |

| CPC Group | IPC Group |
|-------------------|-------------------|
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| C12N 9/90 | C12N 9/90 |
| C12N 9/92 | C12N 9/92 |
| C12N 9/93 | C12N 9/00 |
| C12N 9/94 | C12N 9/94 |
| C12N 9/96 | C12N 9/96 |
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| C12N 9/99 | C12N 9/99 |
| C12N 11/00 | C12N 11/00 |
| C12N 11/02 | C12N 11/02 |
| C12N 11/04 | C12N 11/04 |
| C12N 11/06 | C12N 11/06 |
| C12N 11/08 | C12N 11/08 |
| C12N 11/10 | C12N 11/10 |
| C12N 11/12 | C12N 11/12 |
| C12N 11/14 | C12N 11/14 |
| C12N 11/16 | C12N 11/16 |
| C12N 11/18 | C12N 11/18 |
| C12N 13/00 | C12N 13/00 |
| C12N 15/00 | C12N 15/00 |
| C12N 15/01 | C12N 15/01 |
| C12N 15/02 | C12N 15/02 |
| C12N 15/03 | C12N 15/03 |
| C12N 15/04 | C12N 15/04 |

| CPC Group | IPC Group |
|---------------------|-------------------|
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| C12N 15/10 | C12N 15/10 |
| C12N 15/1003 | C12N 15/10 |
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| C12N 15/101 | C12N 15/10 |
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| C12N 15/1017 | C12N 15/10 |
| C12N 15/102 | C12N 15/10 |
| C12N 15/1024 | C12N 15/10 |
| C12N 15/1027 | C12N 15/10 |
| C12N 15/1031 | C12N 15/10 |
| C12N 15/1034 | C12N 15/10 |
| C12N 15/1037 | C12N 15/10 |
| C12N 15/1041 | C12N 15/10 |
| C12N 15/1044 | C12N 15/10 |
| C12N 15/1048 | C12N 15/10 |
| C12N 15/1051 | C12N 15/10 |
| C12N 15/1055 | C12N 15/10 |
| C12N 15/1058 | C12N 15/10 |
| C12N 15/1062 | C12N 15/10 |
| C12N 15/1065 | C12N 15/10 |
| C12N 15/1068 | C12N 15/10 |
| C12N 15/1072 | C12N 15/10 |
| C12N 15/1075 | C12N 15/10 |

| CPC Group | IPC Group |
|------------------|------------------|
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| C12N 15/1082 | C12N 15/10 |
| C12N 15/1086 | C12N 15/10 |
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| C12N 15/113 | C12N 15/113 |
| C12N 15/1131 | C12N 15/113 |
| C12N 15/1132 | C12N 15/113 |
| C12N 15/1133 | C12N 15/113 |
| C12N 15/1135 | C12N 15/113 |
| C12N 15/1136 | C12N 15/113 |
| C12N 15/1137 | C12N 15/113 |
| C12N 15/1138 | C12N 15/113 |
| C12N 15/115 | C12N 15/115 |
| C12N 15/117 | C12N 15/117 |
| C12N 15/52 | C12N 15/52 |
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| CPC Group | IPC Group |
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| C12N 15/68 | C12N 15/68 |
| C12N 15/69 | C12N 15/69 |
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| C12N 15/8201 | C12N 15/82 |
| C12N 15/8202 | C12N 15/82 |
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| CPC Group | IPC Group |
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| C12N 15/8212 | C12N 15/82 |
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| C12N 15/8214 | C12N 15/82 |
| C12N 15/8216 | C12N 15/82 |
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| C12N 15/8218 | C12N 15/82 |
| C12N 15/822 | C12N 15/82 |
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| C12N 15/8222 | C12N 15/82 |
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| C12N 15/8226 | C12N 15/82 |
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| C12N 15/8229 | C12N 15/82 |
| C12N 15/823 | C12N 15/82 |
| C12N 15/8231 | C12N 15/82 |
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| C12N 15/8235 | C12N 15/82 |

| CPC Group | IPC Group |
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| C12N 15/8238 | C12N 15/82 |
| C12N 15/8239 | C12N 15/82 |
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| C12N 15/8243 | C12N 15/82 |
| C12N 15/8245 | C12N 15/82 |
| C12N 15/8246 | C12N 15/82 |
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| C12N 15/825 | C12N 15/82 |
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| C12N 15/8263 | C12N 15/82 |
| C12N 15/8265 | C12N 15/82 |
| C12N 15/8266 | C12N 15/82 |
| C12N 15/8267 | C12N 15/82 |

| CPC Group | IPC Group |
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| C12N 15/827 | C12N 15/82 |
| C12N 15/8271 | C12N 15/82 |
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| C12N 15/8274 | C12N 15/82 |
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| C12N 15/8278 | C12N 15/82 |
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| C12N 15/8281 | C12N 15/82 |
| C12N 15/8282 | C12N 15/82 |
| C12N 15/8283 | C12N 15/82 |
| C12N 15/8285 | C12N 15/82 |
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| C12N 15/8287 | C12N 15/82 |
| C12N 15/8289 | C12N 15/82 |
| C12N 15/829 | C12N 15/82 |
| C12N 15/8291 | C12N 15/82 |
| C12N 15/8293 | C12N 15/82 |
| C12N 15/8294 | C12N 15/82 |
| C12N 15/8295 | C12N 15/82 |
| C12N 15/8297 | C12N 15/82 |
| C12N 15/8298 | C12N 15/82 |
| C12N 15/85 | C12N 15/85 |

| CPC Group | IPC Group |
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| C12N 2015/8536 | C12N 15/85 |
| C12N 2015/8545 | C12N 15/85 |
| C12N 2015/8554 | C12N 15/85 |
| C12N 2015/8563 | C12N 15/85 |
| C12N 2015/8572 | C12N 15/85 |
| C12N 2015/8581 | C12N 15/85 |
| C12N 2015/859 | C12N 15/85 |
| C12N 15/86 | C12N 15/86 |
| C12N 15/861 | C12N 15/861 |
| C12N 15/8613 | C12N 15/861 |
| C12N 15/8616 | C12N 15/861 |
| C12N 15/863 | C12N 15/863 |
| C12N 15/8633 | C12N 15/863 |
| C12N 15/8636 | C12N 15/863 |
| C12N 15/864 | C12N 15/864 |
| C12N 15/8645 | C12N 15/864 |
| C12N 15/866 | C12N 15/866 |
| C12N 15/867 | C12N 15/867 |
| C12N 15/8673 | C12N 15/867 |
| C12N 15/8676 | C12N 15/867 |
| C12N 15/869 | C12N 15/869 |

| CPC Group | IPC Group |
|---------------|-------------|
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| C12N 15/87 | C12N 15/87 |
| C12N 15/873 | C12N 15/873 |
| C12N 15/877 | C12N 15/877 |
| C12N 15/8771 | C12N 15/877 |
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| C12N 15/8773 | C12N 15/877 |
| C12N 15/8775 | C12N 15/877 |
| C12N 15/8776 | C12N 15/877 |
| C12N 15/8777 | C12N 15/877 |
| C12N 15/8778 | C12N 15/877 |
| C12N 15/88 | C12N 15/88 |
| C12N 15/89 | C12N 15/89 |
| C12N 15/895 | C12N 15/89 |
| C12N 15/90 | C12N 15/90 |
| C12N 15/902 | C12N 15/90 |
| C12N 15/905 | C12N 15/90 |
| C12N 15/907 | C12N 15/90 |
| C12N 2303/00 | — |
| C12N 2310/00 | — |
| C12N 2310/10 | — |
| C12N 2310/11 | — |
| C12N 2310/111 | — |
| C12N 2310/113 | — |

| CPC Group | IPC Group |
|----------------|-----------|
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| C12N 2310/121 | — |
| C12N 2310/122 | — |
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| C12N 2310/124 | — |
| C12N 2310/1241 | — |
| C12N 2310/126 | — |
| C12N 2310/127 | — |
| C12N 2310/128 | — |
| C12N 2310/13 | — |
| C12N 2310/14 | — |
| C12N 2310/141 | — |
| C12N 2310/15 | — |
| C12N 2310/151 | — |
| C12N 2310/152 | — |
| C12N 2310/153 | — |
| C12N 2310/16 | — |
| C12N 2310/17 | — |
| C12N 2310/18 | — |
| C12N 2310/20 | — |
| C12N 2310/30 | — |
| C12N 2310/31 | — |
| C12N 2310/311 | — |
| C12N 2310/312 | — |

| CPC Group | IPC Group |
|----------------|-----------|
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| C12N 2310/313 | — |
| C12N 2310/314 | — |
| C12N 2310/3145 | — |
| C12N 2310/315 | — |
| C12N 2310/316 | — |
| C12N 2310/317 | — |
| C12N 2310/318 | — |
| C12N 2310/3181 | — |
| C12N 2310/3183 | — |
| C12N 2310/319 | — |
| C12N 2310/32 | — |
| C12N 2310/321 | — |
| C12N 2310/322 | — |
| C12N 2310/323 | — |
| C12N 2310/3231 | — |
| C12N 2310/3233 | — |
| C12N 2310/3235 | — |
| C12N 2310/33 | — |
| C12N 2310/331 | — |
| C12N 2310/332 | — |
| C12N 2310/333 | — |
| C12N 2310/334 | — |
| C12N 2310/3341 | — |

| CPC Group | IPC Group |
|----------------|-----------|
| C12N 2310/335 | — |
| C12N 2310/336 | — |
| C12N 2310/337 | — |
| C12N 2310/34 | — |
| C12N 2310/341 | — |
| C12N 2310/342 | — |
| C12N 2310/343 | — |
| C12N 2310/344 | — |
| C12N 2310/345 | — |
| C12N 2310/346 | — |
| C12N 2310/35 | — |
| C12N 2310/351 | — |
| C12N 2310/3511 | — |
| C12N 2310/3513 | — |
| C12N 2310/3515 | — |
| C12N 2310/3517 | — |
| C12N 2310/3519 | — |
| C12N 2310/352 | — |
| C12N 2310/3521 | — |
| C12N 2310/3523 | — |
| C12N 2310/3525 | — |
| C12N 2310/3527 | — |
| C12N 2310/3529 | — |
| C12N 2310/353 | — |

| CPC Group | IPC Group |
|----------------|-----------|
| C12N 2310/3531 | — |
| C12N 2310/3533 | — |
| C12N 2310/3535 | — |
| C12N 2310/50 | — |
| C12N 2310/51 | — |
| C12N 2310/52 | — |
| C12N 2310/53 | — |
| C12N 2310/531 | — |
| C12N 2310/532 | — |
| C12N 2310/533 | — |
| C12N 2320/00 | — |
| C12N 2320/10 | — |
| C12N 2320/11 | — |
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| C12N 2320/32 | — |
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| C12N 2320/34 | — |
| C12N 2320/35 | — |
| C12N 2320/50 | — |
| C12N 2320/51 | — |
| C12N 2320/52 | — |

| CPC Group | IPC Group |
|--------------|-----------|
| C12N 2320/53 | — |
| C12N 2330/00 | — |
| C12N 2330/10 | — |
| C12N 2330/30 | — |
| C12N 2330/31 | — |
| C12N 2330/50 | — |
| C12N 2330/51 | — |
| C12N 2500/00 | — |
| C12N 2500/02 | — |
| C12N 2500/05 | — |
| C12N 2500/10 | — |
| C12N 2500/12 | — |
| C12N 2500/14 | — |
| C12N 2500/16 | — |
| C12N 2500/20 | — |
| C12N 2500/22 | — |
| C12N 2500/24 | — |
| C12N 2500/25 | — |
| C12N 2500/30 | — |
| C12N 2500/32 | — |
| C12N 2500/33 | — |
| C12N 2500/34 | — |
| C12N 2500/35 | — |
| C12N 2500/36 | — |

| CPC Group | IPC Group |
|--------------|-----------|
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| C12N 2500/40 | — |
| C12N 2500/42 | — |
| C12N 2500/44 | — |
| C12N 2500/46 | — |
| C12N 2500/50 | — |
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| C12N 2500/62 | — |
| C12N 2500/70 | — |
| C12N 2500/72 | — |
| C12N 2500/74 | — |
| C12N 2500/76 | — |
| C12N 2500/78 | — |
| C12N 2500/80 | — |
| C12N 2500/82 | — |
| C12N 2500/84 | — |
| C12N 2500/90 | — |
| C12N 2500/92 | — |
| C12N 2500/95 | — |
| C12N 2500/98 | — |
| C12N 2500/99 | — |
| C12N 2501/00 | — |
| C12N 2501/01 | — |
| C12N 2501/02 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| C12N 2501/03 | — |
| C12N 2501/04 | — |
| C12N 2501/05 | — |
| C12N 2501/051 | — |
| C12N 2501/052 | — |
| C12N 2501/054 | — |
| C12N 2501/056 | — |
| C12N 2501/06 | — |
| C12N 2501/065 | — |
| C12N 2501/07 | — |
| C12N 2501/10 | — |
| C12N 2501/105 | — |
| C12N 2501/11 | — |
| C12N 2501/113 | — |
| C12N 2501/115 | — |
| C12N 2501/117 | — |
| C12N 2501/119 | — |
| C12N 2501/12 | — |
| C12N 2501/125 | — |
| C12N 2501/13 | — |
| C12N 2501/135 | — |
| C12N 2501/14 | — |
| C12N 2501/145 | — |
| C12N 2501/148 | — |

| CPC Group | IPC Group |
|----------------|-----------|
| C12N 2501/15 | — |
| C12N 2501/155 | — |
| C12N 2501/16 | — |
| C12N 2501/165 | — |
| C12N 2501/17 | — |
| C12N 2501/175 | — |
| C12N 2501/18 | — |
| C12N 2501/185 | — |
| C12N 2501/19 | — |
| C12N 2501/195 | — |
| C12N 2501/20 | — |
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| C12N 2501/22 | — |
| C12N 2501/23 | — |
| C12N 2501/2301 | — |
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| C12N 2501/2304 | — |
| C12N 2501/2305 | — |
| C12N 2501/2306 | — |
| C12N 2501/2307 | — |
| C12N 2501/2308 | — |
| C12N 2501/2309 | — |
| C12N 2501/231 | — |

| CPC Group | IPC Group |
|----------------|-----------|
| C12N 2501/2311 | — |
| C12N 2501/2312 | — |
| C12N 2501/2313 | — |
| C12N 2501/2314 | — |
| C12N 2501/2315 | — |
| C12N 2501/2316 | — |
| C12N 2501/2317 | — |
| C12N 2501/2318 | — |
| C12N 2501/2319 | — |
| C12N 2501/232 | — |
| C12N 2501/2321 | — |
| C12N 2501/2322 | — |
| C12N 2501/2323 | — |
| C12N 2501/2324 | — |
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| C12N 2501/2328 | — |
| C12N 2501/2329 | — |
| C12N 2501/233 | — |
| C12N 2501/2331 | — |
| C12N 2501/2332 | — |
| C12N 2501/2333 | — |
| C12N 2501/2334 | — |

| CPC Group | IPC Group |
|----------------|-----------|
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| C12N 2501/235 | — |
| C12N 2501/237 | — |
| C12N 2501/24 | — |
| C12N 2501/25 | — |
| C12N 2501/26 | — |
| C12N 2501/30 | — |
| C12N 2501/305 | — |
| C12N 2501/31 | — |
| C12N 2501/315 | — |
| C12N 2501/32 | — |
| C12N 2501/33 | — |
| C12N 2501/335 | — |
| C12N 2501/34 | — |
| C12N 2501/345 | — |
| C12N 2501/35 | — |
| C12N 2501/355 | — |
| C12N 2501/36 | — |
| C12N 2501/365 | — |
| C12N 2501/37 | — |
| C12N 2501/375 | — |
| C12N 2501/38 | — |
| C12N 2501/385 | — |
| C12N 2501/39 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| C12N 2501/392 | — |
| C12N 2501/395 | — |
| C12N 2501/40 | — |
| C12N 2501/405 | — |
| C12N 2501/41 | — |
| C12N 2501/415 | — |
| C12N 2501/42 | — |
| C12N 2501/48 | — |
| C12N 2501/50 | — |
| C12N 2501/505 | — |
| C12N 2501/51 | — |
| C12N 2501/515 | — |
| C12N 2501/52 | — |
| C12N 2501/53 | — |
| C12N 2501/58 | — |
| C12N 2501/585 | — |
| C12N 2501/59 | — |
| C12N 2501/599 | — |
| C12N 2501/60 | — |
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| C12N 2501/603 | — |
| C12N 2501/604 | — |
| C12N 2501/605 | — |
| C12N 2501/606 | — |

| CPC Group | IPC Group |
|---------------|-----------|
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| C12N 2501/65 | — |
| C12N 2501/70 | — |
| C12N 2501/71 | — |
| C12N 2501/72 | — |
| C12N 2501/724 | — |
| C12N 2501/727 | — |
| C12N 2501/73 | — |
| C12N 2501/734 | — |
| C12N 2501/80 | — |
| C12N 2501/805 | — |
| C12N 2501/81 | — |
| C12N 2501/815 | — |
| C12N 2501/82 | — |
| C12N 2501/825 | — |
| C12N 2501/83 | — |
| C12N 2501/835 | — |
| C12N 2501/84 | — |
| C12N 2501/845 | — |
| C12N 2501/85 | — |
| C12N 2501/855 | — |
| C12N 2501/86 | — |
| C12N 2501/90 | — |
| C12N 2501/905 | — |

| CPC Group | IPC Group |
|---------------|-----------|
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| C12N 2501/998 | — |
| C12N 2501/999 | — |
| C12N 2502/00 | — |
| C12N 2502/02 | — |
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| C12N 2502/091 | — |
| C12N 2502/092 | — |
| C12N 2502/094 | — |
| C12N 2502/095 | — |

| CPC Group | IPC Group |
|----------------|-----------|
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| C12N 2502/098 | — |
| C12N 2502/11 | — |
| C12N 2502/1107 | — |
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| C12N 2502/1128 | — |
| C12N 2502/1135 | — |
| C12N 2502/1142 | — |
| C12N 2502/115 | — |
| C12N 2502/1157 | — |
| C12N 2502/1164 | — |
| C12N 2502/1171 | — |
| C12N 2502/1178 | — |
| C12N 2502/1185 | — |
| C12N 2502/1192 | — |
| C12N 2502/13 | — |
| C12N 2502/1305 | — |
| C12N 2502/1311 | — |
| C12N 2502/1317 | — |
| C12N 2502/1323 | — |
| C12N 2502/1329 | — |
| C12N 2502/1335 | — |
| C12N 2502/1341 | — |

| CPC Group | IPC Group |
|----------------|-----------|
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| C12N 2502/1352 | — |
| C12N 2502/1358 | — |
| C12N 2502/1364 | — |
| C12N 2502/137 | — |
| C12N 2502/1376 | — |
| C12N 2502/1382 | — |
| C12N 2502/1388 | — |
| C12N 2502/1394 | — |
| C12N 2502/14 | — |
| C12N 2502/22 | — |
| C12N 2502/23 | — |
| C12N 2502/24 | — |
| C12N 2502/243 | — |
| C12N 2502/246 | — |
| C12N 2502/25 | — |
| C12N 2502/253 | — |
| C12N 2502/256 | — |
| C12N 2502/27 | — |
| C12N 2502/28 | — |
| C12N 2502/30 | — |
| C12N 2502/45 | — |
| C12N 2502/50 | — |
| C12N 2502/70 | — |

| CPC Group | IPC Group |
|---------------|-----------|
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| C12N 2503/00 | — |
| C12N 2503/02 | — |
| C12N 2503/04 | — |
| C12N 2503/06 | — |
| C12N 2506/00 | — |
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| C12N 2506/025 | — |
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| C12N 2506/095 | — |
| C12N 2506/097 | — |
| C12N 2506/098 | — |
| C12N 2506/11 | — |

| CPC Group | IPC Group |
|----------------|-----------|
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| C12N 2506/13 | — |
| C12N 2506/1307 | — |
| C12N 2506/1315 | — |
| C12N 2506/1323 | — |
| C12N 2506/133 | — |
| C12N 2506/1338 | — |
| C12N 2506/1346 | — |
| C12N 2506/1353 | — |
| C12N 2506/1361 | — |
| C12N 2506/1369 | — |
| C12N 2506/1376 | — |
| C12N 2506/1384 | — |
| C12N 2506/1392 | — |
| C12N 2506/14 | — |
| C12N 2506/22 | — |
| C12N 2506/23 | — |
| C12N 2506/24 | — |
| C12N 2506/243 | — |
| C12N 2506/246 | — |
| C12N 2506/25 | — |
| C12N 2506/27 | — |
| C12N 2506/28 | — |
| C12N 2506/30 | — |

| CPC Group | IPC Group |
|--------------|-----------|
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| C12N 2509/00 | — |
| C12N 2509/10 | — |
| C12N 2510/00 | — |
| C12N 2510/02 | — |
| C12N 2510/04 | — |
| C12N 2511/00 | — |
| C12N 2513/00 | — |
| C12N 2517/00 | — |
| C12N 2517/02 | — |
| C12N 2517/04 | — |
| C12N 2517/10 | — |
| C12N 2521/00 | — |
| C12N 2521/10 | — |
| C12N 2523/00 | — |
| C12N 2525/00 | — |
| C12N 2527/00 | — |
| C12N 2529/00 | — |
| C12N 2529/10 | — |
| C12N 2531/00 | — |
| C12N 2533/00 | — |
| C12N 2533/10 | — |
| C12N 2533/12 | — |
| C12N 2533/14 | — |

| CPC Group | IPC Group |
|--------------|-----------|
| C12N 2533/18 | — |
| C12N 2533/20 | — |
| C12N 2533/30 | — |
| C12N 2533/32 | — |
| C12N 2533/40 | — |
| C12N 2533/50 | — |
| C12N 2533/52 | — |
| C12N 2533/54 | — |
| C12N 2533/56 | — |
| C12N 2533/70 | — |
| C12N 2533/72 | — |
| C12N 2533/74 | — |
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| C12N 2539/00 | — |
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| C12N 2700/00 | — |

| CPC Group | IPC Group |
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| CPC Group | IPC Group |
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| C12N 2710/10111 | — |
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| C12N 2710/10123 | — |
| C12N 2710/10131 | — |

| CPC Group | IPC Group |
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| C12N 2710/10234 | — |

| CPC Group | IPC Group |
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| CPC Group | IPC Group |
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| C12N 2710/12042 | — |
| C12N 2710/12043 | — |
| C12N 2710/12044 | — |
| C12N 2710/12045 | — |
| C12N 2710/12051 | — |

| CPC Group | IPC Group |
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| C12N 2710/12062 | — |
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| C12N 2710/12064 | — |
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| C12N 2710/12088 | — |
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| C12N 2710/14045 | — |
| C12N 2710/14051 | — |
| C12N 2710/14052 | — |
| C12N 2710/14061 | — |
| C12N 2710/14062 | — |

| CPC Group | IPC Group |
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| C12N 2710/14088 | — |
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| C12N 2710/14152 | — |
| C12N 2710/14161 | — |
| C12N 2710/14162 | — |
| C12N 2710/14163 | — |
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| C12N 2710/14171 | — |

| CPC Group | IPC Group |
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| C12N 2710/16022 | — |
| C12N 2710/16023 | — |
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| C12N 2710/16063 | — |
| C12N 2710/16064 | — |
| C12N 2710/16071 | — |
| C12N 2710/16088 | — |
| C12N 2710/16111 | — |
| C12N 2710/16121 | — |

| CPC Group | IPC Group |
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| C12N 2710/16122 | — |
| C12N 2710/16123 | — |
| C12N 2710/16131 | — |
| C12N 2710/16132 | — |
| C12N 2710/16133 | — |
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| C12N 2710/16188 | — |
| C12N 2710/16211 | — |
| C12N 2710/16221 | — |
| C12N 2710/16222 | — |
| C12N 2710/16223 | — |
| C12N 2710/16231 | — |

| CPC Group | IPC Group |
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| C12N 2710/16322 | — |
| C12N 2710/16323 | — |
| C12N 2710/16331 | — |
| C12N 2710/16332 | — |
| C12N 2710/16333 | — |
| C12N 2710/16334 | — |

| CPC Group | IPC Group |
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| C12N 2710/16342 | — |
| C12N 2710/16343 | — |
| C12N 2710/16344 | — |
| C12N 2710/16345 | — |
| C12N 2710/16351 | — |
| C12N 2710/16352 | — |
| C12N 2710/16361 | — |
| C12N 2710/16362 | — |
| C12N 2710/16363 | — |
| C12N 2710/16364 | — |
| C12N 2710/16371 | — |
| C12N 2710/16388 | — |
| C12N 2710/16411 | — |
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| C12N 2710/16432 | — |
| C12N 2710/16433 | — |
| C12N 2710/16434 | — |
| C12N 2710/16441 | — |
| C12N 2710/16442 | — |
| C12N 2710/16443 | — |

| CPC Group | IPC Group |
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| C12N 2710/16445 | — |
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| C12N 2710/16452 | — |
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| C12N 2710/16534 | — |
| C12N 2710/16541 | — |
| C12N 2710/16542 | — |
| C12N 2710/16543 | — |
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| C12N 2710/16545 | — |
| C12N 2710/16551 | — |

| CPC Group | IPC Group |
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| C12N 2710/16564 | — |
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| C12N 2710/16645 | — |
| C12N 2710/16651 | — |
| C12N 2710/16652 | — |
| C12N 2710/16661 | — |
| C12N 2710/16662 | — |

| CPC Group | IPC Group |
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| C12N 2710/16664 | — |
| C12N 2710/16671 | — |
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| C12N 2710/16711 | — |
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| C12N 2710/16731 | — |
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| C12N 2710/16734 | — |
| C12N 2710/16741 | — |
| C12N 2710/16742 | — |
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| C12N 2710/16764 | — |
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| CPC Group | IPC Group |
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| C12N 2710/18021 | — |
| C12N 2710/18022 | — |
| C12N 2710/18023 | — |
| C12N 2710/18031 | — |
| C12N 2710/18032 | — |
| C12N 2710/18033 | — |
| C12N 2710/18034 | — |
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| C12N 2710/18042 | — |
| C12N 2710/18043 | — |
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| C12N 2710/18062 | — |
| C12N 2710/18063 | — |
| C12N 2710/18064 | — |
| C12N 2710/18071 | — |
| C12N 2710/18088 | — |
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| CPC Group | IPC Group |
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| C12N 2710/20042 | — |
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| C12N 2710/20052 | — |
| C12N 2710/20061 | — |
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| C12N 2710/20063 | — |
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| C12N 2710/22031 | — |

| CPC Group | IPC Group |
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| C12N 2710/24023 | — |
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| C12N 2710/24034 | — |

| CPC Group | IPC Group |
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| C12N 2710/24043 | — |
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| C12N 2710/24045 | — |
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| C12N 2710/24132 | — |
| C12N 2710/24133 | — |
| C12N 2710/24134 | — |
| C12N 2710/24141 | — |
| C12N 2710/24142 | — |
| C12N 2710/24143 | — |

| CPC Group | IPC Group |
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| C12N 2710/24151 | — |
| C12N 2710/24152 | — |
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| C12N 2710/24163 | — |
| C12N 2710/24164 | — |
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| C12N 2710/24241 | — |
| C12N 2710/24242 | — |
| C12N 2710/24243 | — |
| C12N 2710/24244 | — |
| C12N 2710/24245 | — |
| C12N 2710/24251 | — |

| CPC Group | IPC Group |
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| C12N 2710/24261 | — |
| C12N 2710/24262 | — |
| C12N 2710/24263 | — |
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| C12N 2710/24271 | — |
| C12N 2710/24288 | — |
| C12N 2720/00 | — |
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| C12N 2720/00043 | — |
| C12N 2720/00044 | — |
| C12N 2720/00045 | — |
| C12N 2720/00051 | — |
| C12N 2720/00052 | — |
| C12N 2720/00061 | — |

| CPC Group | IPC Group |
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| C12N 2720/00063 | — |
| C12N 2720/00064 | — |
| C12N 2720/00071 | — |
| C12N 2720/00088 | — |
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| C12N 2720/10051 | — |
| C12N 2720/10052 | — |
| C12N 2720/10061 | — |
| C12N 2720/10062 | — |
| C12N 2720/10063 | — |
| C12N 2720/10064 | — |

| CPC Group | IPC Group |
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| C12N 2720/10088 | — |
| C12N 2720/12011 | — |
| C12N 2720/12021 | — |
| C12N 2720/12022 | — |
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| C12N 2720/12062 | — |
| C12N 2720/12063 | — |
| C12N 2720/12064 | — |
| C12N 2720/12071 | — |
| C12N 2720/12088 | — |
| C12N 2720/12111 | — |

| CPC Group | IPC Group |
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| C12N 2720/12131 | — |
| C12N 2720/12132 | — |
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| C12N 2720/12134 | — |
| C12N 2720/12141 | — |
| C12N 2720/12142 | — |
| C12N 2720/12143 | — |
| C12N 2720/12144 | — |
| C12N 2720/12145 | — |
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| C12N 2720/12152 | — |
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| C12N 2720/12171 | — |
| C12N 2720/12188 | — |
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| C12N 2720/12222 | — |
| C12N 2720/12223 | — |

| CPC Group | IPC Group |
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| C12N 2720/12311 | — |
| C12N 2720/12321 | — |
| C12N 2720/12322 | — |
| C12N 2720/12323 | — |
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| C12N 2720/12332 | — |
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| CPC Group | IPC Group |
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| C12N 2720/12352 | — |
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| C12N 2720/12363 | — |
| C12N 2720/12364 | — |
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| C12N 2720/12388 | — |
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| C12N 2730/00011 | — |
| C12N 2730/00021 | — |
| C12N 2730/00022 | — |
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| C12N 2730/00031 | — |
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| CPC Group | IPC Group |
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| C12N 2730/00043 | — |
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| C12N 2730/00051 | — |
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| CPC Group | IPC Group |
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| CPC Group | IPC Group |
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| C12N 2730/10163 | — |
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| C12N 2730/10188 | — |
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| CPC Group | IPC Group |
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| C12N 2740/10061 | — |
| C12N 2740/10062 | — |
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| CPC Group | IPC Group |
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| C12N 2740/11011 | — |
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| C12N 2740/11063 | — |
| C12N 2740/11064 | — |
| C12N 2740/11071 | — |
| C12N 2740/11088 | — |
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| CPC Group | IPC Group |
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| C12N 2740/12088 | — |
| C12N 2740/13011 | — |
| C12N 2740/13021 | — |
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| C12N 2740/13023 | — |
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| CPC Group | IPC Group |
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| C12N 2740/13041 | — |
| C12N 2740/13042 | — |
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| C12N 2740/14022 | — |
| C12N 2740/14023 | — |
| C12N 2740/14031 | — |
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| CPC Group | IPC Group |
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| C12N 2740/14041 | — |
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| C12N 2740/15033 | — |
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| C12N 2740/15041 | — |
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| CPC Group | IPC Group |
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| C12N 2740/15051 | — |
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| C12N 2740/16041 | — |
| C12N 2740/16042 | — |
| C12N 2740/16043 | — |
| C12N 2740/16044 | — |
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| CPC Group | IPC Group |
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| C12N 2740/16061 | — |
| C12N 2740/16062 | — |
| C12N 2740/16063 | — |
| C12N 2740/16064 | — |
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| C12N 2740/16322 | — |
| C12N 2740/16334 | — |
| C12N 2740/16371 | — |
| C12N 2740/16388 | — |
| C12N 2740/17011 | — |
| C12N 2740/17021 | — |

| CPC Group | IPC Group |
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| C12N 2740/17088 | — |
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| C12N 2750/00011 | — |
| C12N 2750/00021 | — |
| C12N 2750/00022 | — |
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| CPC Group | IPC Group |
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| CPC Group | IPC Group |
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| C12N 2750/12032 | — |
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| C12N 2750/12034 | — |
| C12N 2750/12041 | — |
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| CPC Group | IPC Group |
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| C12N 2750/12052 | — |
| C12N 2750/12061 | — |
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| C12N 2750/12063 | — |
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| C12N 2750/14041 | — |
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| CPC Group | IPC Group |
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| C12N 2750/14144 | — |
| C12N 2750/14145 | — |
| C12N 2750/14151 | — |
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| CPC Group | IPC Group |
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| C12N 2750/14188 | — |
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| C12N 2750/14222 | — |
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| C12N 2750/14251 | — |
| C12N 2750/14252 | — |
| C12N 2750/14261 | — |
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| CPC Group | IPC Group |
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| C12N 2750/14288 | — |
| C12N 2750/14311 | — |
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| C12N 2750/14361 | — |
| C12N 2750/14362 | — |
| C12N 2750/14363 | — |
| C12N 2750/14364 | — |
| C12N 2750/14371 | — |
| C12N 2750/14388 | — |
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| CPC Group | IPC Group |
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| CPC Group | IPC Group |
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| CPC Group | IPC Group |
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| C12N 2760/12031 | — |
| C12N 2760/12032 | — |
| C12N 2760/12033 | — |
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| CPC Group | IPC Group |
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| C12N 2760/12044 | — |
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| C12N 2760/12051 | — |
| C12N 2760/12052 | — |
| C12N 2760/12061 | — |
| C12N 2760/12062 | — |
| C12N 2760/12063 | — |
| C12N 2760/12064 | — |
| C12N 2760/12071 | — |
| C12N 2760/12088 | — |
| C12N 2760/12111 | — |
| C12N 2760/12121 | — |
| C12N 2760/12122 | — |
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| C12N 2760/12142 | — |
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| CPC Group | IPC Group |
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| C12N 2760/12151 | — |
| C12N 2760/12152 | — |
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| C12N 2760/12162 | — |
| C12N 2760/12163 | — |
| C12N 2760/12164 | — |
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| C12N 2760/12188 | — |
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| C12N 2760/12242 | — |
| C12N 2760/12243 | — |
| C12N 2760/12244 | — |
| C12N 2760/12245 | — |
| C12N 2760/12251 | — |
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| CPC Group | IPC Group |
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| C12N 2760/12262 | — |
| C12N 2760/12263 | — |
| C12N 2760/12264 | — |
| C12N 2760/12271 | — |
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| C12N 2760/14011 | — |
| C12N 2760/14021 | — |
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| C12N 2760/14051 | — |
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| C12N 2760/14061 | — |
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| CPC Group | IPC Group |
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| C12N 2760/14064 | — |
| C12N 2760/14071 | — |
| C12N 2760/14088 | — |
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| C12N 2760/14161 | — |
| C12N 2760/14162 | — |
| C12N 2760/14163 | — |
| C12N 2760/14164 | — |
| C12N 2760/14171 | — |
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| CPC Group | IPC Group |
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| C12N 2760/14264 | — |
| C12N 2760/14271 | — |
| C12N 2760/14288 | — |
| C12N 2760/16011 | — |
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| CPC Group | IPC Group |
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| C12N 2760/16031 | — |
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| C12N 2760/16041 | — |
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| C12N 2760/16043 | — |
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| C12N 2760/16121 | — |
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| C12N 2760/16123 | — |
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| CPC Group | IPC Group |
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| C12N 2760/16223 | — |
| C12N 2760/16231 | — |
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| CPC Group | IPC Group |
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| C12N 2760/16332 | — |
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| C12N 2760/16342 | — |
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| CPC Group | IPC Group |
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| C12N 2760/16351 | — |
| C12N 2760/16352 | — |
| C12N 2760/16361 | — |
| C12N 2760/16362 | — |
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| C12N 2760/18042 | — |
| C12N 2760/18043 | — |
| C12N 2760/18044 | — |
| C12N 2760/18045 | — |
| C12N 2760/18051 | — |
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| CPC Group | IPC Group |
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| C12N 2760/18061 | — |
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| C12N 2760/18064 | — |
| C12N 2760/18071 | — |
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| C12N 2760/18151 | — |
| C12N 2760/18152 | — |
| C12N 2760/18161 | — |
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| CPC Group | IPC Group |
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| C12N 2760/18164 | — |
| C12N 2760/18171 | — |
| C12N 2760/18188 | — |
| C12N 2760/18211 | — |
| C12N 2760/18221 | — |
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| C12N 2760/18261 | — |
| C12N 2760/18262 | — |
| C12N 2760/18263 | — |
| C12N 2760/18264 | — |
| C12N 2760/18271 | — |
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| CPC Group | IPC Group |
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| C12N 2760/18321 | — |
| C12N 2760/18322 | — |
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| C12N 2760/18331 | — |
| C12N 2760/18332 | — |
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| C12N 2760/18364 | — |
| C12N 2760/18371 | — |
| C12N 2760/18388 | — |
| C12N 2760/18411 | — |
| C12N 2760/18421 | — |
| C12N 2760/18422 | — |

| CPC Group | IPC Group |
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| C12N 2760/18431 | — |
| C12N 2760/18432 | — |
| C12N 2760/18433 | — |
| C12N 2760/18434 | — |
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| C12N 2760/18511 | — |
| C12N 2760/18521 | — |
| C12N 2760/18522 | — |
| C12N 2760/18523 | — |
| C12N 2760/18531 | — |
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| CPC Group | IPC Group |
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| C12N 2760/18533 | — |
| C12N 2760/18534 | — |
| C12N 2760/18541 | — |
| C12N 2760/18542 | — |
| C12N 2760/18543 | — |
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| C12N 2760/18621 | — |
| C12N 2760/18622 | — |
| C12N 2760/18623 | — |
| C12N 2760/18631 | — |
| C12N 2760/18632 | — |
| C12N 2760/18633 | — |
| C12N 2760/18634 | — |
| C12N 2760/18641 | — |

| CPC Group | IPC Group |
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| C12N 2760/18643 | — |
| C12N 2760/18644 | — |
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| C12N 2760/18651 | — |
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| C12N 2760/18663 | — |
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| C12N 2760/18671 | — |
| C12N 2760/18688 | — |
| C12N 2760/18711 | — |
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| C12N 2760/18723 | — |
| C12N 2760/18731 | — |
| C12N 2760/18732 | — |
| C12N 2760/18733 | — |
| C12N 2760/18734 | — |
| C12N 2760/18741 | — |
| C12N 2760/18742 | — |
| C12N 2760/18743 | — |
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| CPC Group | IPC Group |
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| C12N 2760/18751 | — |
| C12N 2760/18752 | — |
| C12N 2760/18761 | — |
| C12N 2760/18762 | — |
| C12N 2760/18763 | — |
| C12N 2760/18764 | — |
| C12N 2760/18771 | — |
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| C12N 2760/18841 | — |
| C12N 2760/18842 | — |
| C12N 2760/18843 | — |
| C12N 2760/18845 | — |
| C12N 2760/18851 | — |
| C12N 2760/18852 | — |
| C12N 2760/18861 | — |

| CPC Group | IPC Group |
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| C12N 2760/18863 | — |
| C12N 2760/18864 | — |
| C12N 2760/18871 | — |
| C12N 2760/18888 | — |
| C12N 2760/20011 | — |
| C12N 2760/20021 | — |
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| C12N 2760/20051 | — |
| C12N 2760/20052 | — |
| C12N 2760/20061 | — |
| C12N 2760/20062 | — |
| C12N 2760/20063 | — |
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| CPC Group | IPC Group |
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| C12N 2760/20088 | — |
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| C12N 2760/20162 | — |
| C12N 2760/20163 | — |
| C12N 2760/20164 | — |
| C12N 2760/20171 | — |
| C12N 2760/20188 | — |
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| CPC Group | IPC Group |
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| C12N 2760/20232 | — |
| C12N 2760/20233 | — |
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| C12N 2760/20271 | — |
| C12N 2760/20288 | — |
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| CPC Group | IPC Group |
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| C12N 2770/00023 | — |
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| C12N 2770/12031 | — |
| C12N 2770/12032 | — |
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| CPC Group | IPC Group |
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| C12N 2770/12042 | — |
| C12N 2770/12043 | — |
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| C12N 2770/14034 | — |
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| CPC Group | IPC Group |
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| C12N 2770/14045 | — |
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| C12N 2770/16043 | — |
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| CPC Group | IPC Group |
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| C12N 2770/16061 | — |
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| C12N 2770/16064 | — |
| C12N 2770/16071 | — |
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| C12N 2770/18011 | — |
| C12N 2770/18021 | — |
| C12N 2770/18022 | — |
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| C12N 2770/18031 | — |
| C12N 2770/18032 | — |
| C12N 2770/18033 | — |
| C12N 2770/18034 | — |
| C12N 2770/18041 | — |
| C12N 2770/18042 | — |
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| C12N 2770/18062 | — |
| C12N 2770/18063 | — |

| CPC Group | IPC Group |
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| C12N 2770/20061 | — |
| C12N 2770/20062 | — |
| C12N 2770/20063 | — |
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| C12N 2770/20088 | — |

| CPC Group | IPC Group |
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| C12N 2770/22063 | — |
| C12N 2770/22064 | — |
| C12N 2770/22071 | — |
| C12N 2770/22088 | — |
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| C12N 2770/24021 | — |
| C12N 2770/24022 | — |

| CPC Group | IPC Group |
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| C12N 2770/24043 | — |
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| C12N 2770/24122 | — |
| C12N 2770/24123 | — |
| C12N 2770/24131 | — |
| C12N 2770/24132 | — |

| CPC Group | IPC Group |
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| C12N 2770/24223 | — |
| C12N 2770/24231 | — |
| C12N 2770/24232 | — |
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| CPC Group | IPC Group |
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| C12N 2770/24271 | — |
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| CPC Group | IPC Group |
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| C12N 2770/26043 | — |
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| CPC Group | IPC Group |
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| C12N 2770/28011 | — |
| C12N 2770/28021 | — |
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| C12N 2770/28051 | — |
| C12N 2770/28052 | — |
| C12N 2770/28061 | — |
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| CPC Group | IPC Group |
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| C12N 2770/28071 | — |
| C12N 2770/28088 | — |
| C12N 2770/28111 | — |
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| C12N 2770/28161 | — |
| C12N 2770/28162 | — |
| C12N 2770/28163 | — |
| C12N 2770/28164 | — |
| C12N 2770/28171 | — |
| C12N 2770/28188 | — |

| CPC Group | IPC Group |
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| C12N 2770/30021 | — |
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| C12N 2770/30064 | — |
| C12N 2770/30071 | — |
| C12N 2770/30088 | — |
| C12N 2770/32011 | — |
| C12N 2770/32021 | — |
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| CPC Group | IPC Group |
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| C12N 2770/32023 | — |
| C12N 2770/32031 | — |
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| C12N 2770/32111 | — |
| C12N 2770/32121 | — |
| C12N 2770/32122 | — |
| C12N 2770/32123 | — |
| C12N 2770/32131 | — |
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| CPC Group | IPC Group |
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| C12N 2770/32141 | — |
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| C12N 2770/32222 | — |
| C12N 2770/32223 | — |
| C12N 2770/32231 | — |
| C12N 2770/32232 | — |
| C12N 2770/32233 | — |
| C12N 2770/32234 | — |
| C12N 2770/32241 | — |

| CPC Group | IPC Group |
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| C12N 2770/32243 | — |
| C12N 2770/32244 | — |
| C12N 2770/32245 | — |
| C12N 2770/32251 | — |
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| C12N 2770/32333 | — |
| C12N 2770/32334 | — |
| C12N 2770/32341 | — |
| C12N 2770/32342 | — |
| C12N 2770/32343 | — |
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| CPC Group | IPC Group |
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| C12N 2770/32351 | — |
| C12N 2770/32352 | — |
| C12N 2770/32361 | — |
| C12N 2770/32362 | — |
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| C12N 2770/32442 | — |
| C12N 2770/32443 | — |
| C12N 2770/32444 | — |
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| C12N 2770/32451 | — |
| C12N 2770/32452 | — |

| CPC Group | IPC Group |
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| C12N 2770/32463 | — |
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| C12N 2770/32471 | — |
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| C12N 2770/32511 | — |
| C12N 2770/32521 | — |
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| C12N 2770/32545 | — |
| C12N 2770/32551 | — |
| C12N 2770/32552 | — |
| C12N 2770/32561 | — |
| C12N 2770/32562 | — |
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| CPC Group | IPC Group |
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| C12N 2770/32571 | — |
| C12N 2770/32588 | — |
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| C12N 2770/32621 | — |
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| C12N 2770/32623 | — |
| C12N 2770/32631 | — |
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| C12N 2770/32662 | — |
| C12N 2770/32663 | — |
| C12N 2770/32664 | — |
| C12N 2770/32671 | — |
| C12N 2770/32688 | — |

| CPC Group | IPC Group |
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| C12N 2770/32721 | — |
| C12N 2770/32722 | — |
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| C12N 2770/32731 | — |
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| C12N 2770/32764 | — |
| C12N 2770/32771 | — |
| C12N 2770/32788 | — |
| C12N 2770/34011 | — |
| C12N 2770/34021 | — |
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| CPC Group | IPC Group |
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| C12N 2770/34031 | — |
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| C12N 2770/36011 | — |
| C12N 2770/36021 | — |
| C12N 2770/36022 | — |
| C12N 2770/36023 | — |
| C12N 2770/36031 | — |
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| CPC Group | IPC Group |
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| C12N 2770/36123 | — |
| C12N 2770/36131 | — |
| C12N 2770/36132 | — |
| C12N 2770/36133 | — |
| C12N 2770/36134 | — |
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| CPC Group | IPC Group |
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| C12N 2770/36234 | — |
| C12N 2770/36241 | — |
| C12N 2770/36242 | — |
| C12N 2770/36243 | — |
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| CPC Group | IPC Group |
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| C12N 2770/36251 | — |
| C12N 2770/36252 | — |
| C12N 2770/36261 | — |
| C12N 2770/36262 | — |
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| C12N 2770/36264 | — |
| C12N 2770/36271 | — |
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| C12N 2770/38043 | — |
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| CPC Group | IPC Group |
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| C12N 2770/38061 | — |
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| C12N 2770/40011 | — |
| C12N 2770/40021 | — |
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| CPC Group | IPC Group |
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| C12N 2770/40071 | — |
| C12N 2770/40088 | — |
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| C12N 2780/00011 | — |
| C12N 2780/00021 | — |
| C12N 2780/00022 | — |
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| C12N 2780/00061 | — |
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| CPC Group | IPC Group |
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| C12N 2780/10011 | — |
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| C12N 2780/10052 | — |
| C12N 2780/10061 | — |
| C12N 2780/10062 | — |
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| C12N 2780/10071 | — |
| C12N 2780/10088 | — |
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| C12N 2790/00011 | — |

| CPC Group | IPC Group |
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| C12N 2790/00021 | — |
| C12N 2790/00022 | — |
| C12N 2790/00023 | — |
| C12N 2790/00031 | — |
| C12N 2790/00032 | — |
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| C12N 2790/00043 | — |
| C12N 2790/00044 | — |
| C12N 2790/00045 | — |
| C12N 2790/00051 | — |
| C12N 2790/00052 | — |
| C12N 2790/00061 | — |
| C12N 2790/00062 | — |
| C12N 2790/00063 | — |
| C12N 2790/00064 | — |
| C12N 2790/00071 | — |
| C12N 2790/00088 | — |
| C12N 2790/10011 | — |
| C12N 2790/10021 | — |
| C12N 2790/10022 | — |
| C12N 2790/10023 | — |

| CPC Group | IPC Group |
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| C12N 2790/10031 | — |
| C12N 2790/10032 | — |
| C12N 2790/10033 | — |
| C12N 2790/10034 | — |
| C12N 2790/10041 | — |
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| C12N 2790/10052 | — |
| C12N 2790/10061 | — |
| C12N 2790/10062 | — |
| C12N 2790/10063 | — |
| C12N 2790/10064 | — |
| C12N 2790/10071 | — |
| C12N 2790/10088 | — |
| C12N 2790/12011 | — |
| C12N 2790/12021 | — |
| C12N 2790/12022 | — |
| C12N 2790/12023 | — |
| C12N 2790/12031 | — |
| C12N 2790/12032 | — |
| C12N 2790/12033 | — |

| CPC Group | IPC Group |
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| C12N 2790/12034 | — |
| C12N 2790/12041 | — |
| C12N 2790/12042 | — |
| C12N 2790/12043 | — |
| C12N 2790/12044 | — |
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| C12N 2790/14023 | — |
| C12N 2790/14031 | — |
| C12N 2790/14032 | — |
| C12N 2790/14033 | — |
| C12N 2790/14034 | — |
| C12N 2790/14041 | — |
| C12N 2790/14042 | — |

| CPC Group | IPC Group |
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| C12N 2790/14043 | — |
| C12N 2790/14044 | — |
| C12N 2790/14045 | — |
| C12N 2790/14051 | — |
| C12N 2790/14052 | — |
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| C12N 2790/14062 | — |
| C12N 2790/14063 | — |
| C12N 2790/14064 | — |
| C12N 2790/14071 | — |
| C12N 2790/14088 | — |
| C12N 2792/00 | — |
| C12N 2792/00011 | — |
| C12N 2792/00021 | — |
| C12N 2792/00022 | — |
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| C12N 2792/00032 | — |
| C12N 2792/00033 | — |
| C12N 2792/00034 | — |
| C12N 2792/00041 | — |
| C12N 2792/00042 | — |
| C12N 2792/00043 | — |
| C12N 2792/00044 | — |

| CPC Group | IPC Group |
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| C12N 2792/00045 | — |
| C12N 2792/00051 | — |
| C12N 2792/00052 | — |
| C12N 2792/00061 | — |
| C12N 2792/00062 | — |
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| C12N 2792/00064 | — |
| C12N 2792/00071 | — |
| C12N 2792/00088 | — |
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| C12N 2792/10042 | — |
| C12N 2792/10043 | — |
| C12N 2792/10044 | — |
| C12N 2792/10045 | — |
| C12N 2792/10051 | — |
| C12N 2792/10052 | — |

| CPC Group | IPC Group |
|-----------------|-----------|
| C12N 2792/10061 | — |
| C12N 2792/10062 | — |
| C12N 2792/10063 | — |
| C12N 2792/10064 | — |
| C12N 2792/10071 | — |
| C12N 2792/10088 | — |
| C12N 2792/12011 | — |
| C12N 2792/12021 | — |
| C12N 2792/12022 | — |
| C12N 2792/12023 | — |
| C12N 2792/12031 | — |
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| C12N 2792/12042 | — |
| C12N 2792/12043 | — |
| C12N 2792/12044 | — |
| C12N 2792/12045 | — |
| C12N 2792/12051 | — |
| C12N 2792/12052 | — |
| C12N 2792/12061 | — |
| C12N 2792/12062 | — |
| C12N 2792/12063 | — |

| CPC Group | IPC Group |
|-----------------|-----------|
| C12N 2792/12064 | — |
| C12N 2792/12071 | — |
| C12N 2792/12088 | — |
| C12N 2795/00 | — |
| C12N 2795/00011 | — |
| C12N 2795/00021 | — |
| C12N 2795/00022 | — |
| C12N 2795/00023 | — |
| C12N 2795/00031 | — |
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| C12N 2795/00041 | — |
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| C12N 2795/00043 | — |
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| C12N 2795/00045 | — |
| C12N 2795/00051 | — |
| C12N 2795/00052 | — |
| C12N 2795/00061 | — |
| C12N 2795/00062 | — |
| C12N 2795/00063 | — |
| C12N 2795/00064 | — |
| C12N 2795/00071 | — |

| CPC Group | IPC Group |
|-----------------|-----------|
| C12N 2795/00088 | — |
| C12N 2795/10011 | — |
| C12N 2795/10021 | — |
| C12N 2795/10022 | — |
| C12N 2795/10023 | — |
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| C12N 2795/10063 | — |
| C12N 2795/10064 | — |
| C12N 2795/10071 | — |
| C12N 2795/10088 | — |
| C12N 2795/10111 | — |
| C12N 2795/10121 | — |

| CPC Group | IPC Group |
|-----------------|-----------|
| C12N 2795/10122 | — |
| C12N 2795/10123 | — |
| C12N 2795/10131 | — |
| C12N 2795/10132 | — |
| C12N 2795/10133 | — |
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| C12N 2795/10141 | — |
| C12N 2795/10142 | — |
| C12N 2795/10143 | — |
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| C12N 2795/10151 | — |
| C12N 2795/10152 | — |
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| C12N 2795/10171 | — |
| C12N 2795/10188 | — |
| C12N 2795/10211 | — |
| C12N 2795/10221 | — |
| C12N 2795/10222 | — |
| C12N 2795/10223 | — |
| C12N 2795/10231 | — |

| CPC Group | IPC Group |
|-----------------|-----------|
| C12N 2795/10232 | — |
| C12N 2795/10233 | — |
| C12N 2795/10234 | — |
| C12N 2795/10241 | — |
| C12N 2795/10242 | — |
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| C12N 2795/10245 | — |
| C12N 2795/10251 | — |
| C12N 2795/10252 | — |
| C12N 2795/10261 | — |
| C12N 2795/10262 | — |
| C12N 2795/10263 | — |
| C12N 2795/10264 | — |
| C12N 2795/10271 | — |
| C12N 2795/10288 | — |
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| C12N 2795/10321 | — |
| C12N 2795/10322 | — |
| C12N 2795/10323 | — |
| C12N 2795/10331 | — |
| C12N 2795/10332 | — |
| C12N 2795/10333 | — |
| C12N 2795/10334 | — |

| CPC Group | IPC Group |
|-----------------|-----------|
| C12N 2795/10341 | — |
| C12N 2795/10342 | — |
| C12N 2795/10343 | — |
| C12N 2795/10344 | — |
| C12N 2795/10345 | — |
| C12N 2795/10351 | — |
| C12N 2795/10352 | — |
| C12N 2795/10361 | — |
| C12N 2795/10362 | — |
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| C12N 2795/10364 | — |
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| C12N 2795/10388 | — |
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| C12N 2795/12023 | — |
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| C12N 2795/12032 | — |
| C12N 2795/12033 | — |
| C12N 2795/12034 | — |
| C12N 2795/12041 | — |
| C12N 2795/12042 | — |
| C12N 2795/12043 | — |

| CPC Group | IPC Group |
|-----------------|-----------|
| C12N 2795/12044 | — |
| C12N 2795/12045 | — |
| C12N 2795/12051 | — |
| C12N 2795/12052 | — |
| C12N 2795/12061 | — |
| C12N 2795/12062 | — |
| C12N 2795/12063 | — |
| C12N 2795/12064 | — |
| C12N 2795/12071 | — |
| C12N 2795/12088 | — |
| C12N 2795/14011 | — |
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| C12N 2795/14032 | — |
| C12N 2795/14033 | — |
| C12N 2795/14034 | — |
| C12N 2795/14041 | — |
| C12N 2795/14042 | — |
| C12N 2795/14043 | — |
| C12N 2795/14044 | — |
| C12N 2795/14045 | — |
| C12N 2795/14051 | — |

| CPC Group | IPC Group |
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| C12N 2795/14052 | — |
| C12N 2795/14061 | — |
| C12N 2795/14062 | — |
| C12N 2795/14063 | — |
| C12N 2795/14064 | — |
| C12N 2795/14071 | — |
| C12N 2795/14088 | — |
| C12N 2795/14111 | — |
| C12N 2795/14121 | — |
| C12N 2795/14122 | — |
| C12N 2795/14123 | — |
| C12N 2795/14131 | — |
| C12N 2795/14132 | — |
| C12N 2795/14133 | — |
| C12N 2795/14134 | — |
| C12N 2795/14141 | — |
| C12N 2795/14142 | — |
| C12N 2795/14143 | — |
| C12N 2795/14144 | — |
| C12N 2795/14145 | — |
| C12N 2795/14151 | — |
| C12N 2795/14152 | — |
| C12N 2795/14161 | — |
| C12N 2795/14162 | — |

| CPC Group | IPC Group |
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| C12N 2795/14163 | — |
| C12N 2795/14164 | — |
| C12N 2795/14171 | — |
| C12N 2795/14188 | — |
| C12N 2795/14211 | — |
| C12N 2795/14221 | — |
| C12N 2795/14222 | — |
| C12N 2795/14223 | — |
| C12N 2795/14231 | — |
| C12N 2795/14232 | — |
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| C12N 2795/14245 | — |
| C12N 2795/14251 | — |
| C12N 2795/14252 | — |
| C12N 2795/14261 | — |
| C12N 2795/14262 | — |
| C12N 2795/14263 | — |
| C12N 2795/14264 | — |
| C12N 2795/14271 | — |

| CPC Group | IPC Group |
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| C12N 2795/14288 | — |
| C12N 2795/16011 | — |
| C12N 2795/16021 | — |
| C12N 2795/16022 | — |
| C12N 2795/16023 | — |
| C12N 2795/16031 | — |
| C12N 2795/16032 | — |
| C12N 2795/16033 | — |
| C12N 2795/16034 | — |
| C12N 2795/16041 | — |
| C12N 2795/16042 | — |
| C12N 2795/16043 | — |
| C12N 2795/16044 | — |
| C12N 2795/16045 | — |
| C12N 2795/16051 | — |
| C12N 2795/16052 | — |
| C12N 2795/16061 | — |
| C12N 2795/16062 | — |
| C12N 2795/16063 | — |
| C12N 2795/16064 | — |
| C12N 2795/16071 | — |
| C12N 2795/16088 | — |
| C12N 2795/18011 | — |
| C12N 2795/18021 | — |

| CPC Group | IPC Group |
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| C12N 2795/18022 | — |
| C12N 2795/18023 | — |
| C12N 2795/18031 | — |
| C12N 2795/18032 | — |
| C12N 2795/18033 | — |
| C12N 2795/18034 | — |
| C12N 2795/18041 | — |
| C12N 2795/18042 | — |
| C12N 2795/18043 | — |
| C12N 2795/18044 | — |
| C12N 2795/18045 | — |
| C12N 2795/18051 | — |
| C12N 2795/18052 | — |
| C12N 2795/18061 | — |
| C12N 2795/18062 | — |
| C12N 2795/18063 | — |
| C12N 2795/18064 | — |
| C12N 2795/18071 | — |
| C12N 2795/18088 | — |
| C12N 2795/18111 | — |
| C12N 2795/18121 | — |
| C12N 2795/18122 | — |
| C12N 2795/18123 | — |
| C12N 2795/18131 | — |

| CPC Group | IPC Group |
|-----------------|-----------|
| C12N 2795/18132 | — |
| C12N 2795/18133 | — |
| C12N 2795/18134 | — |
| C12N 2795/18141 | — |
| C12N 2795/18142 | — |
| C12N 2795/18143 | — |
| C12N 2795/18144 | — |
| C12N 2795/18145 | — |
| C12N 2795/18151 | — |
| C12N 2795/18152 | — |
| C12N 2795/18161 | — |
| C12N 2795/18162 | — |
| C12N 2795/18163 | — |
| C12N 2795/18164 | — |
| C12N 2795/18171 | — |
| C12N 2795/18188 | — |
| C12N 2799/00 | — |
| C12N 2799/02 | — |
| C12N 2799/021 | — |
| C12N 2799/022 | — |
| C12N 2799/023 | — |
| C12N 2799/025 | — |
| C12N 2799/026 | — |
| C12N 2799/027 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| C12N 2799/028 | — |
| C12N 2799/04 | — |
| C12N 2799/06 | — |
| C12N 2800/00 | — |
| C12N 2800/10 | — |
| C12N 2800/101 | — |
| C12N 2800/102 | — |
| C12N 2800/103 | — |
| C12N 2800/105 | — |
| C12N 2800/106 | — |
| C12N 2800/107 | — |
| C12N 2800/108 | — |
| C12N 2800/20 | — |
| C12N 2800/202 | — |
| C12N 2800/204 | — |
| C12N 2800/206 | — |
| C12N 2800/208 | — |
| C12N 2800/22 | — |
| C12N 2800/24 | — |
| C12N 2800/30 | — |
| C12N 2800/40 | — |
| C12N 2800/50 | — |
| C12N 2800/60 | — |
| C12N 2800/70 | — |

| CPC Group | IPC Group |
|----------------|-----------|
| C12N 2800/80 | — |
| C12N 2800/90 | — |
| C12N 2800/95 | — |
| C12N 2810/00 | — |
| C12N 2810/10 | — |
| C12N 2810/40 | — |
| C12N 2810/405 | — |
| C12N 2810/50 | — |
| C12N 2810/55 | — |
| C12N 2810/60 | — |
| C12N 2810/6009 | — |
| C12N 2810/6018 | — |
| C12N 2810/6027 | — |
| C12N 2810/6036 | — |
| C12N 2810/6045 | — |
| C12N 2810/6054 | — |
| C12N 2810/6063 | — |
| C12N 2810/6072 | — |
| C12N 2810/6081 | — |
| C12N 2810/609 | — |
| C12N 2810/65 | — |
| C12N 2810/70 | — |
| C12N 2810/75 | — |
| C12N 2810/80 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| C12N 2810/85 | — |
| C12N 2810/851 | — |
| C12N 2810/852 | — |
| C12N 2810/853 | — |
| C12N 2810/854 | — |
| C12N 2810/855 | — |
| C12N 2810/856 | — |
| C12N 2810/857 | — |
| C12N 2810/858 | — |
| C12N 2810/859 | — |
| C12N 2810/90 | — |
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| C12N 2820/002 | — |
| C12N 2820/005 | — |
| C12N 2820/007 | — |
| C12N 2820/10 | — |
| C12N 2820/55 | — |
| C12N 2820/60 | — |
| C12N 2820/65 | — |
| C12N 2820/70 | — |
| C12N 2820/702 | — |
| C12N 2820/704 | — |
| C12N 2820/706 | — |
| C12N 2820/708 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| C12N 2820/75 | — |
| C12N 2820/80 | — |
| C12N 2820/85 | — |
| C12N 2820/90 | — |
| C12N 2830/00 | — |
| C12N 2830/001 | — |
| C12N 2830/002 | — |
| C12N 2830/003 | — |
| C12N 2830/005 | — |
| C12N 2830/006 | — |
| C12N 2830/007 | — |
| C12N 2830/008 | — |
| C12N 2830/15 | — |
| C12N 2830/20 | — |
| C12N 2830/205 | — |
| C12N 2830/30 | — |
| C12N 2830/32 | — |
| C12N 2830/34 | — |
| C12N 2830/36 | — |
| C12N 2830/38 | — |
| C12N 2830/40 | — |
| C12N 2830/42 | — |
| C12N 2830/46 | — |
| C12N 2830/48 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| C12N 2830/50 | — |
| C12N 2830/52 | — |
| C12N 2830/55 | — |
| C12N 2830/60 | — |
| C12N 2830/65 | — |
| C12N 2830/70 | — |
| C12N 2830/702 | — |
| C12N 2830/704 | — |
| C12N 2830/706 | — |
| C12N 2830/708 | — |
| C12N 2830/75 | — |
| C12N 2830/80 | — |
| C12N 2830/85 | — |
| C12N 2830/90 | — |
| C12N 2840/00 | — |
| C12N 2840/002 | — |
| C12N 2840/005 | — |
| C12N 2840/007 | — |
| C12N 2840/10 | — |
| C12N 2840/102 | — |
| C12N 2840/105 | — |
| C12N 2840/107 | — |
| C12N 2840/20 | — |
| C12N 2840/203 | — |

| CPC Group | IPC Group |
|---------------|-----------|
| C12N 2840/206 | — |
| C12N 2840/44 | — |
| C12N 2840/445 | — |
| C12N 2840/50 | — |
| C12N 2840/55 | — |
| C12N 2840/60 | — |
| C12N 2840/65 | — |
| C12N 2840/70 | — |
| C12N 2840/702 | — |
| C12N 2840/704 | — |
| C12N 2840/706 | — |
| C12N 2840/708 | — |
| C12N 2840/75 | — |
| C12N 2840/80 | — |
| C12N 2840/85 | — |
| C12N 2840/90 | — |
| C12N 2999/00 | — |
| C12N 2999/002 | — |
| C12N 2999/005 | — |
| C12N 2999/007 | — |