

## CPC to IPC Concordance for Subclass H01S

CPC Group	IPC Group
H01S 1/00	H01S 1/00
H01S 1/005	H01S 1/00
H01S 1/02	H01S 1/02
H01S 1/04	H01S 1/04
H01S 1/06	H01S 1/06
H01S 3/00	H01S 3/00
H01S 3/0007	H01S 3/00
H01S 3/0014	H01S 3/00
H01S 3/005	H01S 3/00
H01S 3/0057	H01S 3/00
H01S 3/0064	H01S 3/00
H01S 3/0071	H01S 3/00
H01S 3/0078	H01S 3/00
H01S 3/0085	H01S 3/00
H01S 3/0092	H01S 3/00
H01S 3/02	H01S 3/02
H01S 3/022	H01S 3/02
H01S 3/025	H01S 3/02
H01S 3/027	H01S 3/02
H01S 3/03	H01S 3/03
H01S 3/0305	H01S 3/03
H01S 3/031	H01S 3/03
H01S 3/0315	H01S 3/03

CPC Group	IPC Group
H01S 3/032	H01S 3/032
H01S 3/0323	H01S 3/032
H01S 3/0326	H01S 3/032
H01S 3/034	H01S 3/034
H01S 3/0343	H01S 3/034
H01S 3/0346	H01S 3/034
H01S 3/036	H01S 3/036
H01S 3/038	H01S 3/038
H01S 3/0381	H01S 3/038
H01S 3/0382	H01S 3/038
H01S 3/0384	H01S 3/038
H01S 3/0385	H01S 3/038
H01S 3/0387	H01S 3/038
H01S 3/0388	H01S 3/038
H01S 3/04	H01S 3/04
H01S 3/0401	H01S 3/04
H01S 3/0402	H01S 3/04
H01S 3/0404	H01S 3/04
H01S 3/0405	H01S 3/04
H01S 3/0407	H01S 3/04
H01S 3/0408	H01S 3/04
H01S 3/041	H01S 3/041
H01S 3/042	H01S 3/042
H01S 3/05	H01S 3/05

CPC Group	IPC Group
H01S 3/06	H01S 3/06
H01S 3/0602	H01S 3/06
H01S 3/0604	H01S 3/06
H01S 3/0606	H01S 3/06
H01S 3/0608	H01S 3/06
H01S 3/061	H01S 3/06
H01S 3/0612	H01S 3/06
H01S 3/0615	H01S 3/06
H01S 3/0617	H01S 3/06
H01S 3/0619	H01S 3/06
H01S 3/0621	H01S 3/06
H01S 3/0623	H01S 3/06
H01S 3/0625	H01S 3/06
H01S 3/0627	H01S 3/06
H01S 3/063	H01S 3/063
H01S 3/0632	H01S 3/063
H01S 3/0635	H01S 3/063
H01S 3/0637	H01S 3/063
H01S 3/067	H01S 3/067
H01S 3/06704	H01S 3/067
H01S 3/06708	H01S 3/067
H01S 3/06712	H01S 3/067
H01S 3/06716	H01S 3/067
H01S 3/0672	H01S 3/067

CPC Group	IPC Group
H01S 3/06725	H01S 3/067
H01S 3/06729	H01S 3/067
H01S 3/06733	H01S 3/067
H01S 3/06737	H01S 3/067
H01S 3/06741	H01S 3/067
H01S 3/06745	H01S 3/067
H01S 3/0675	H01S 3/067
H01S 3/06754	H01S 3/067
H01S 3/06758	H01S 3/067
H01S 3/06762	H01S 3/067
H01S 3/06766	H01S 3/067
H01S 3/0677	H01S 3/067
H01S 3/06775	H01S 3/067
H01S 3/06779	H01S 3/067
H01S 3/06783	H01S 3/067
H01S 3/06787	H01S 3/067
H01S 3/06791	H01S 3/067
H01S 3/06795	H01S 3/067
H01S 3/07	H01S 3/07
H01S 3/073	H01S 3/07
H01S 3/076	H01S 3/07
H01S 3/08	H01S 3/08
H01S 3/08004	H01S 3/08
H01S 3/08009	H01S 3/08

CPC Group	IPC Group
H01S 3/08013	H01S 3/08
H01S 3/08018	H01S 3/08018
H01S 3/08022	H01S 3/08022
H01S 3/08027	H01S 3/08022
H01S 3/08031	H01S 3/08031
H01S 3/08036	H01S 3/08036
H01S 3/0804	H01S 3/0804
H01S 3/08045	H01S 3/08045
H01S 3/0805	H01S 3/0805
H01S 3/08054	H01S 3/08
H01S 3/08059	H01S 3/08
H01S 3/08063	H01S 3/08
H01S 3/08068	H01S 3/08
H01S 3/08072	H01S 3/08
H01S 3/08077	H01S 3/08
H01S 3/08081	H01S 3/08
H01S 3/08086	H01S 3/08
H01S 3/0809	H01S 3/08
H01S 3/08095	H01S 3/08
H01S 3/081	H01S 3/081
H01S 3/0811	H01S 3/081
H01S 3/0812	H01S 3/081
H01S 3/0813	H01S 3/081
H01S 3/0815	H01S 3/081

CPC Group	IPC Group
H01S 3/0816	H01S 3/081
H01S 3/0817	H01S 3/081
H01S 3/0818	H01S 3/081
H01S 3/082	H01S 3/082
H01S 3/0823	H01S 3/082
H01S 3/0826	H01S 3/082
H01S 3/083	H01S 3/083
H01S 3/0835	H01S 3/083
H01S 3/086	H01S 3/086
H01S 3/09	H01S 3/09
H01S 3/0903	H01S 3/09
H01S 3/0906	H01S 3/09
H01S 3/091	H01S 3/091
H01S 3/0912	H01S 3/091
H01S 3/0915	H01S 3/0915
H01S 3/09155	H01S 3/0915
H01S 3/092	H01S 3/092
H01S 3/093	H01S 3/093
H01S 3/0931	H01S 3/093
H01S 3/0933	H01S 3/0933
H01S 3/0937	H01S 3/0937
H01S 3/094	H01S 3/094
H01S 3/094003	H01S 3/094
H01S 3/094007	H01S 3/094

CPC Group	IPC Group
H01S 3/094011	H01S 3/094
H01S 3/094015	H01S 3/094
H01S 3/094019	H01S 3/094
H01S 3/094023	H01S 3/094
H01S 3/094026	H01S 3/094
H01S 3/09403	H01S 3/094
H01S 3/094034	H01S 3/094
H01S 3/094038	H01S 3/094
H01S 3/094042	H01S 3/094
H01S 3/094046	H01S 3/094
H01S 3/094049	H01S 3/094
H01S 3/094053	H01S 3/094
H01S 3/094057	H01S 3/094
H01S 3/094061	H01S 3/094
H01S 3/094065	H01S 3/094
H01S 3/094069	H01S 3/094
H01S 3/094073	H01S 3/094
H01S 3/094076	H01S 3/094
H01S 3/09408	H01S 3/094
H01S 3/094084	H01S 3/094
H01S 3/094088	H01S 3/094
H01S 3/094092	H01S 3/094
H01S 3/094096	H01S 3/094
H01S 3/0941	H01S 3/0941

CPC Group	IPC Group
H01S 3/09415	H01S 3/0941
H01S 3/0943	H01S 3/0943
H01S 3/0947	H01S 3/0947
H01S 3/095	H01S 3/095
H01S 3/09505	H01S 3/095
H01S 3/0951	H01S 3/0951
H01S 3/0953	H01S 3/0953
H01S 3/0955	H01S 3/0955
H01S 3/0957	H01S 3/0957
H01S 3/0959	H01S 3/0959
H01S 3/097	H01S 3/097
H01S 3/09702	H01S 3/097
H01S 3/09705	H01S 3/097
H01S 3/09707	H01S 3/097
H01S 3/0971	H01S 3/0971
H01S 3/09713	H01S 3/0971
H01S 3/09716	H01S 3/0971
H01S 3/0973	H01S 3/0973
H01S 3/0975	H01S 3/0975
H01S 3/0977	H01S 3/0977
H01S 3/09775	H01S 3/0977
H01S 3/0979	H01S 3/0979
H01S 3/10	H01S 3/10
H01S 3/10007	H01S 3/10



CPC Group	IPC Group
H01S 3/1001	H01S 3/10
H01S 3/10013	H01S 3/10
H01S 3/10015	H01S 3/10
H01S 3/10023	H01S 3/10
H01S 3/1003	H01S 3/10
H01S 3/10038	H01S 3/10
H01S 3/10046	H01S 3/10
H01S 3/10053	H01S 3/10
H01S 3/10061	H01S 3/10
H01S 3/10069	H01S 3/10
H01S 3/10076	H01S 3/10
H01S 3/10084	H01S 3/10
H01S 3/10092	H01S 3/10
H01S 3/101	H01S 3/101
H01S 3/102	H01S 3/102
H01S 3/1022	H01S 3/102
H01S 3/1024	H01S 3/102
H01S 3/1026	H01S 3/102
H01S 3/1028	H01S 3/102
H01S 3/104	H01S 3/104
H01S 3/105	H01S 3/105
H01S 3/1051	H01S 3/105
H01S 3/1053	H01S 3/105
H01S 3/1055	H01S 3/1055

CPC Group	IPC Group
H01S 3/106	H01S 3/106
H01S 3/1061	H01S 3/106
H01S 3/1062	H01S 3/106
H01S 3/1063	H01S 3/106
H01S 3/1065	H01S 3/106
H01S 3/1066	H01S 3/106
H01S 3/1067	H01S 3/106
H01S 3/1068	H01S 3/106
H01S 3/107	H01S 3/107
H01S 3/1075	H01S 3/107
H01S 3/108	H01S 3/108
H01S 3/1083	H01S 3/108
H01S 3/1086	H01S 3/108
H01S 3/109	H01S 3/109
H01S 3/1095	H01S 3/109
H01S 3/11	H01S 3/11
H01S 3/1103	H01S 3/11
H01S 3/1106	H01S 3/1106
H01S 3/1109	H01S 3/1109
H01S 3/1112	H01S 3/1112
H01S 3/1115	H01S 3/1115
H01S 3/1118	H01S 3/1118
H01S 3/1121	H01S 3/1106
H01S 3/1123	H01S 3/1123

CPC Group	IPC Group
H01S 3/1124	H01S 3/1123
H01S 3/1127	H01S 3/1123
H01S 3/113	H01S 3/113
H01S 3/115	H01S 3/115
H01S 3/117	H01S 3/117
H01S 3/121	H01S 3/121
H01S 3/123	H01S 3/123
H01S 3/125	H01S 3/125
H01S 3/127	H01S 3/127
H01S 3/13	H01S 3/13
H01S 3/1301	H01S 3/13
H01S 3/13013	H01S 3/13
H01S 3/13017	H01S 3/13
H01S 3/1302	H01S 3/13
H01S 3/1303	H01S 3/13
H01S 3/1304	H01S 3/13
H01S 3/1305	H01S 3/13
H01S 3/1306	H01S 3/13
H01S 3/1307	H01S 3/13
H01S 3/1308	H01S 3/13
H01S 3/131	H01S 3/131
H01S 3/1312	H01S 3/131
H01S 3/1315	H01S 3/131
H01S 3/1317	H01S 3/131

CPC Group	IPC Group
H01S 3/134	H01S 3/134
H01S 3/136	H01S 3/136
H01S 3/137	H01S 3/137
H01S 3/139	H01S 3/139
H01S 3/1392	H01S 3/139
H01S 3/1394	H01S 3/139
H01S 3/1396	H01S 3/139
H01S 3/1398	H01S 3/139
H01S 3/14	H01S 3/14
H01S 3/16	H01S 3/16
H01S 3/1601	H01S 3/16
H01S 3/1603	H01S 3/16
H01S 3/1605	H01S 3/16
H01S 3/1606	H01S 3/16
H01S 3/1608	H01S 3/16
H01S 3/161	H01S 3/16
H01S 3/1611	H01S 3/16
H01S 3/1613	H01S 3/16
H01S 3/1615	H01S 3/16
H01S 3/1616	H01S 3/16
H01S 3/1618	H01S 3/16
H01S 3/162	H01S 3/16
H01S 3/1621	H01S 3/16
H01S 3/1623	H01S 3/16

CPC Group	IPC Group
H01S 3/1625	H01S 3/16
H01S 3/1626	H01S 3/16
H01S 3/1628	H01S 3/16
H01S 3/163	H01S 3/16
H01S 3/1631	H01S 3/16
H01S 3/1633	H01S 3/16
H01S 3/1635	H01S 3/16
H01S 3/1636	H01S 3/16
H01S 3/1638	H01S 3/16
H01S 3/164	H01S 3/16
H01S 3/1641	H01S 3/16
H01S 3/1643	H01S 3/16
H01S 3/1645	H01S 3/16
H01S 3/1646	H01S 3/16
H01S 3/1648	H01S 3/16
H01S 3/165	H01S 3/16
H01S 3/1651	H01S 3/16
H01S 3/1653	H01S 3/16
H01S 3/1655	H01S 3/16
H01S 3/1656	H01S 3/16
H01S 3/1658	H01S 3/16
H01S 3/166	H01S 3/16
H01S 3/1661	H01S 3/16
H01S 3/1663	H01S 3/16

CPC Group	IPC Group
H01S 3/1665	H01S 3/16
H01S 3/1666	H01S 3/16
H01S 3/1668	H01S 3/16
H01S 3/167	H01S 3/16
H01S 3/1671	H01S 3/16
H01S 3/1673	H01S 3/16
H01S 3/1675	H01S 3/16
H01S 3/1676	H01S 3/16
H01S 3/1678	H01S 3/16
H01S 3/168	H01S 3/16
H01S 3/1681	H01S 3/16
H01S 3/1683	H01S 3/16
H01S 3/1685	H01S 3/16
H01S 3/1686	H01S 3/16
H01S 3/1688	H01S 3/16
H01S 3/169	H01S 3/16
H01S 3/1691	H01S 3/16
H01S 3/1693	H01S 3/16
H01S 3/1695	H01S 3/16
H01S 3/1696	H01S 3/16
H01S 3/1698	H01S 3/16
H01S 3/17	H01S 3/17
H01S 3/171	H01S 3/17
H01S 3/172	H01S 3/17

CPC Group	IPC Group
H01S 3/173	H01S 3/17
H01S 3/175	H01S 3/17
H01S 3/176	H01S 3/17
H01S 3/177	H01S 3/17
H01S 3/178	H01S 3/17
H01S 3/20	H01S 3/20
H01S 3/207	H01S 3/207
H01S 3/213	H01S 3/213
H01S 3/22	H01S 3/22
H01S 3/2207	H01S 3/22
H01S 3/2215	H01S 3/22
H01S 3/2222	H01S 3/22
H01S 3/223	H01S 3/223
H01S 3/2232	H01S 3/223
H01S 3/2235	H01S 3/223
H01S 3/2237	H01S 3/223
H01S 3/225	H01S 3/225
H01S 3/2251	H01S 3/225
H01S 3/2253	H01S 3/225
H01S 3/2255	H01S 3/225
H01S 3/2256	H01S 3/225
H01S 3/2258	H01S 3/225
H01S 3/227	H01S 3/227
H01S 3/23	H01S 3/23

CPC Group	IPC Group
H01S 3/2308	H01S 3/23
H01S 3/2316	H01S 3/23
H01S 3/2325	H01S 3/23
H01S 3/2333	H01S 3/23
H01S 3/2341	H01S 3/23
H01S 3/235	H01S 3/23
H01S 3/2358	H01S 3/23
H01S 3/2366	H01S 3/23
H01S 3/2375	H01S 3/23
H01S 3/2383	H01S 3/23
H01S 3/2391	H01S 3/23
H01S 3/30	H01S 3/30
H01S 3/302	H01S 3/30
H01S 3/305	H01S 3/30
H01S 3/307	H01S 3/30
H01S 4/00	H01S 4/00
H01S 5/00	H01S 5/00
H01S 5/0014	H01S 5/00
H01S 5/0021	H01S 5/00
H01S 5/0028	H01S 5/00
H01S 5/0035	H01S 5/00
H01S 5/0042	H01S 5/00
H01S 5/005	H01S 5/00
H01S 5/0057	H01S 5/00



CPC Group	IPC Group
H01S 5/0064	H01S 5/00
H01S 5/0071	H01S 5/00
H01S 5/0078	H01S 5/00
H01S 5/0085	H01S 5/00
H01S 5/0087	H01S 5/00
H01S 5/0092	H01S 5/00
H01S 5/02	H01S 5/02
H01S 5/0201	H01S 5/02
H01S 5/0202	H01S 5/02
H01S 5/0203	H01S 5/02
H01S 5/0205	H01S 5/02
H01S 5/0206	H01S 5/02
H01S 5/0207	H01S 5/02
H01S 5/0208	H01S 5/02
H01S 5/021	H01S 5/02
H01S 5/0211	H01S 5/02
H01S 5/0212	H01S 5/02
H01S 5/0213	H01S 5/02
H01S 5/0215	H01S 5/02
H01S 5/0216	H01S 5/02
H01S 5/0217	H01S 5/02
H01S 5/0218	H01S 5/02
H01S 5/022	H01S 5/022
H01S 5/02208	H01S 5/02208

CPC Group	IPC Group
H01S 5/02212	H01S 5/02212
H01S 5/02216	H01S 5/02216
H01S 5/02218	H01S 5/02218
H01S 5/0222	H01S 5/0222
H01S 5/02224	H01S 5/02224
H01S 5/02232	H01S 5/02232
H01S 5/02234	H01S 5/02234
H01S 5/02235	H01S 5/02235
H01S 5/0225	H01S 5/0225
H01S 5/02251	H01S 5/02251
H01S 5/02253	H01S 5/02253
H01S 5/02255	H01S 5/02255
H01S 5/02257	H01S 5/02257
H01S 5/023	H01S 5/023
H01S 5/0231	H01S 5/0231
H01S 5/02315	H01S 5/02315
H01S 5/0232	H01S 5/0232
H01S 5/02325	H01S 5/02325
H01S 5/02326	H01S 5/02326
H01S 5/0233	H01S 5/0233
H01S 5/02335	H01S 5/02335
H01S 5/0234	H01S 5/0234
H01S 5/02345	H01S 5/02345
H01S 5/0235	H01S 5/0235

CPC Group	IPC Group
H01S 5/02355	H01S 5/02355
H01S 5/0236	H01S 5/0236
H01S 5/02365	H01S 5/02365
H01S 5/0237	H01S 5/0237
H01S 5/02375	H01S 5/02375
H01S 5/0238	H01S 5/0238
H01S 5/02385	H01S 5/02385
H01S 5/0239	H01S 5/0239
H01S 5/024	H01S 5/024
H01S 5/02407	H01S 5/024
H01S 5/02415	H01S 5/024
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H01S 5/02438	H01S 5/024
H01S 5/02446	H01S 5/024
H01S 5/02453	H01S 5/024
H01S 5/02461	H01S 5/024
H01S 5/02469	H01S 5/024
H01S 5/02476	H01S 5/024
H01S 5/02484	H01S 5/024
H01S 5/02492	H01S 5/024
H01S 5/026	H01S 5/026
H01S 5/0261	H01S 5/026
H01S 5/0262	H01S 5/026

CPC Group	IPC Group
H01S 5/0264	H01S 5/026
H01S 5/0265	H01S 5/026
H01S 5/0267	H01S 5/026
H01S 5/0268	H01S 5/026
H01S 5/028	H01S 5/028
H01S 5/0281	H01S 5/028
H01S 5/0282	H01S 5/028
H01S 5/0283	H01S 5/028
H01S 5/0284	H01S 5/028
H01S 5/0285	H01S 5/028
H01S 5/0286	H01S 5/028
H01S 5/0287	H01S 5/028
H01S 5/0288	H01S 5/028
H01S 5/04	H01S 5/04
H01S 5/041	H01S 5/04
H01S 5/042	H01S 5/042
H01S 5/0421	H01S 5/042
H01S 5/0422	H01S 5/042
H01S 5/0424	H01S 5/042
H01S 5/0425	H01S 5/042
H01S 5/04252	H01S 5/042
H01S 5/04253	H01S 5/042
H01S 5/04254	H01S 5/042
H01S 5/04256	H01S 5/042

CPC Group	IPC Group
H01S 5/04257	H01S 5/042
H01S 5/0427	H01S 5/042
H01S 5/0428	H01S 5/042
H01S 5/06	H01S 5/06
H01S 5/0601	H01S 5/06
H01S 5/0602	H01S 5/06
H01S 5/0604	H01S 5/06
H01S 5/0605	H01S 5/06
H01S 5/0607	H01S 5/06
H01S 5/0608	H01S 5/06
H01S 5/0609	H01S 5/06
H01S 5/0611	H01S 5/06
H01S 5/0612	H01S 5/06
H01S 5/0614	H01S 5/06
H01S 5/0615	H01S 5/06
H01S 5/0617	H01S 5/06
H01S 5/0618	H01S 5/06
H01S 5/062	H01S 5/062
H01S 5/06203	H01S 5/062
H01S 5/06206	H01S 5/062
H01S 5/06209	H01S 5/062
H01S 5/06213	H01S 5/062
H01S 5/06216	H01S 5/062
H01S 5/0622	H01S 5/062

CPC Group	IPC Group
H01S 5/06223	H01S 5/062
H01S 5/06226	H01S 5/062
H01S 5/0623	H01S 5/062
H01S 5/06233	H01S 5/062
H01S 5/06236	H01S 5/062
H01S 5/0624	H01S 5/062
H01S 5/06243	H01S 5/062
H01S 5/06246	H01S 5/062
H01S 5/0625	H01S 5/0625
H01S 5/06251	H01S 5/0625
H01S 5/06253	H01S 5/0625
H01S 5/06255	H01S 5/0625
H01S 5/06256	H01S 5/0625
H01S 5/06258	H01S 5/0625
H01S 5/065	H01S 5/065
H01S 5/0651	H01S 5/065
H01S 5/0652	H01S 5/065
H01S 5/0653	H01S 5/065
H01S 5/0654	H01S 5/065
H01S 5/0655	H01S 5/065
H01S 5/0656	H01S 5/065
H01S 5/0657	H01S 5/065
H01S 5/0658	H01S 5/065
H01S 5/068	H01S 5/068

CPC Group	IPC Group
H01S 5/06804	H01S 5/068
H01S 5/06808	H01S 5/068
H01S 5/06812	H01S 5/068
H01S 5/06817	H01S 5/068
H01S 5/06821	H01S 5/068
H01S 5/06825	H01S 5/068
H01S 5/0683	H01S 5/0683
H01S 5/06832	H01S 5/0683
H01S 5/06835	H01S 5/0683
H01S 5/06837	H01S 5/0683
H01S 5/0687	H01S 5/0687
H01S 5/10	H01S 5/10
H01S 5/1003	H01S 5/10
H01S 5/1007	H01S 5/10
H01S 5/101	H01S 5/10
H01S 5/1014	H01S 5/10
H01S 5/1017	H01S 5/10
H01S 5/1021	H01S 5/10
H01S 5/1025	H01S 5/10
H01S 5/1028	H01S 5/10
H01S 5/1032	H01S 5/10
H01S 5/1035	H01S 5/10
H01S 5/1039	H01S 5/10
H01S 5/1042	H01S 5/10

CPC Group	IPC Group
H01S 5/1046	H01S 5/10
H01S 5/1053	H01S 5/10
H01S 5/1057	H01S 5/10
H01S 5/106	H01S 5/10
H01S 5/1064	H01S 5/10
H01S 5/1067	H01S 5/10
H01S 5/1071	H01S 5/10
H01S 5/1075	H01S 5/10
H01S 5/1078	H01S 5/10
H01S 5/1082	H01S 5/10
H01S 5/1085	H01S 5/10
H01S 5/1089	H01S 5/10
H01S 5/1092	H01S 5/10
H01S 5/1096	H01S 5/10
H01S 5/11	H01S 5/11
H01S 5/12	H01S 5/12
H01S 5/1203	H01S 5/12
H01S 5/1206	H01S 5/12
H01S 5/1209	H01S 5/12
H01S 5/1212	H01S 5/12
H01S 5/1215	H01S 5/12
H01S 5/1218	H01S 5/12
H01S 5/1221	H01S 5/12
H01S 5/1225	H01S 5/12



CPC Group	IPC Group
H01S 5/1228	H01S 5/12
H01S 5/1231	H01S 5/12
H01S 5/1234	H01S 5/12
H01S 5/1237	H01S 5/12
H01S 5/124	H01S 5/12
H01S 5/1243	H01S 5/12
H01S 5/1246	H01S 5/12
H01S 5/125	H01S 5/125
H01S 5/14	H01S 5/14
H01S 5/141	H01S 5/14
H01S 5/142	H01S 5/14
H01S 5/143	H01S 5/14
H01S 5/145	H01S 5/14
H01S 5/146	H01S 5/14
H01S 5/147	H01S 5/14
H01S 5/148	H01S 5/14
H01S 5/16	H01S 5/16
H01S 5/162	H01S 5/16
H01S 5/164	H01S 5/16
H01S 5/166	H01S 5/16
H01S 5/168	H01S 5/16
H01S 5/18	H01S 5/18
H01S 5/183	H01S 5/183
H01S 5/18302	H01S 5/183

CPC Group	IPC Group
H01S 5/18305	H01S 5/183
H01S 5/18308	H01S 5/183
H01S 5/18311	H01S 5/183
H01S 5/18313	H01S 5/183
H01S 5/18316	H01S 5/183
H01S 5/18319	H01S 5/183
H01S 5/18322	H01S 5/183
H01S 5/18325	H01S 5/183
H01S 5/18327	H01S 5/183
H01S 5/1833	H01S 5/183
H01S 5/18333	H01S 5/183
H01S 5/18336	H01S 5/183
H01S 5/18338	H01S 5/183
H01S 5/18341	H01S 5/183
H01S 5/18344	H01S 5/183
H01S 5/18347	H01S 5/183
H01S 5/1835	H01S 5/183
H01S 5/18352	H01S 5/183
H01S 5/18355	H01S 5/183
H01S 5/18358	H01S 5/183
H01S 5/18361	H01S 5/183
H01S 5/18363	H01S 5/183
H01S 5/18366	H01S 5/183
H01S 5/18369	H01S 5/183

CPC Group	IPC Group
H01S 5/18372	H01S 5/183
H01S 5/18375	H01S 5/183
H01S 5/18377	H01S 5/183
H01S 5/1838	H01S 5/183
H01S 5/18383	H01S 5/183
H01S 5/18386	H01S 5/183
H01S 5/18388	H01S 5/183
H01S 5/18391	H01S 5/183
H01S 5/18394	H01S 5/183
H01S 5/18397	H01S 5/183
H01S 5/185	H01S 5/185
H01S 5/187	H01S 5/187
H01S 5/20	H01S 5/20
H01S 5/2004	H01S 5/20
H01S 5/2009	H01S 5/20
H01S 5/2013	H01S 5/20
H01S 5/2018	H01S 5/20
H01S 5/2022	H01S 5/20
H01S 5/2027	H01S 5/20
H01S 5/2031	H01S 5/20
H01S 5/2036	H01S 5/20
H01S 5/204	H01S 5/20
H01S 5/2045	H01S 5/20
H01S 5/205	H01S 5/20

CPC Group	IPC Group
H01S 5/2054	H01S 5/20
H01S 5/2059	H01S 5/20
H01S 5/2063	H01S 5/20
H01S 5/2068	H01S 5/20
H01S 5/2072	H01S 5/20
H01S 5/2077	H01S 5/20
H01S 5/2081	H01S 5/20
H01S 5/2086	H01S 5/20
H01S 5/209	H01S 5/20
H01S 5/2095	H01S 5/20
H01S 5/22	H01S 5/22
H01S 5/2201	H01S 5/22
H01S 5/2202	H01S 5/22
H01S 5/2203	H01S 5/22
H01S 5/2205	H01S 5/22
H01S 5/2206	H01S 5/22
H01S 5/2207	H01S 5/22
H01S 5/2209	H01S 5/22
H01S 5/221	H01S 5/22
H01S 5/2211	H01S 5/22
H01S 5/2213	H01S 5/22
H01S 5/2214	H01S 5/22
H01S 5/2215	H01S 5/22
H01S 5/2216	H01S 5/22

CPC Group	IPC Group
H01S 5/2218	H01S 5/22
H01S 5/2219	H01S 5/22
H01S 5/222	H01S 5/22
H01S 5/2222	H01S 5/22
H01S 5/2223	H01S 5/22
H01S 5/2224	H01S 5/22
H01S 5/2226	H01S 5/22
H01S 5/2227	H01S 5/22
H01S 5/2228	H01S 5/22
H01S 5/223	H01S 5/223
H01S 5/2231	H01S 5/223
H01S 5/2232	H01S 5/223
H01S 5/2234	H01S 5/223
H01S 5/2235	H01S 5/223
H01S 5/2237	H01S 5/223
H01S 5/2238	H01S 5/223
H01S 5/227	H01S 5/227
H01S 5/2272	H01S 5/227
H01S 5/2275	H01S 5/227
H01S 5/2277	H01S 5/227
H01S 5/24	H01S 5/24
H01S 5/30	H01S 5/30
H01S 5/3004	H01S 5/30
H01S 5/3009	H01S 5/30

CPC Group	IPC Group
H01S 5/3013	H01S 5/30
H01S 5/3018	H01S 5/30
H01S 5/3022	H01S 5/30
H01S 5/3027	H01S 5/30
H01S 5/3031	H01S 5/30
H01S 5/3036	H01S 5/30
H01S 5/304	H01S 5/30
H01S 5/3045	H01S 5/30
H01S 5/305	H01S 5/30
H01S 5/3054	H01S 5/30
H01S 5/3059	H01S 5/30
H01S 5/3063	H01S 5/30
H01S 5/3068	H01S 5/30
H01S 5/3072	H01S 5/30
H01S 5/3077	H01S 5/30
H01S 5/3081	H01S 5/30
H01S 5/3086	H01S 5/30
H01S 5/309	H01S 5/30
H01S 5/3095	H01S 5/30
H01S 5/32	H01S 5/32
H01S 5/3201	H01S 5/32
H01S 5/3202	H01S 5/32
H01S 5/320225	H01S 5/32
H01S 5/32025	H01S 5/32

CPC Group	IPC Group
H01S 5/320275	H01S 5/32
H01S 5/3203	H01S 5/32
H01S 5/3205	H01S 5/32
H01S 5/3206	H01S 5/32
H01S 5/3207	H01S 5/32
H01S 5/3209	H01S 5/32
H01S 5/321	H01S 5/32
H01S 5/3211	H01S 5/32
H01S 5/3213	H01S 5/32
H01S 5/3214	H01S 5/32
H01S 5/3215	H01S 5/32
H01S 5/3216	H01S 5/32
H01S 5/3218	H01S 5/32
H01S 5/3219	H01S 5/32
H01S 5/322	H01S 5/32
H01S 5/3222	H01S 5/32
H01S 5/3223	H01S 5/32
H01S 5/3224	H01S 5/32
H01S 5/3226	H01S 5/32
H01S 5/3227	H01S 5/32
H01S 5/3228	H01S 5/32
H01S 5/323	H01S 5/323
H01S 5/32308	H01S 5/323
H01S 5/32316	H01S 5/323

CPC Group	IPC Group
H01S 5/32325	H01S 5/323
H01S 5/32333	H01S 5/323
H01S 5/32341	H01S 5/323
H01S 5/3235	H01S 5/323
H01S 5/32358	H01S 5/323
H01S 5/32366	H01S 5/323
H01S 5/32375	H01S 5/323
H01S 5/32383	H01S 5/323
H01S 5/32391	H01S 5/323
H01S 5/327	H01S 5/327
H01S 5/34	H01S 5/34
H01S 5/3401	H01S 5/34
H01S 5/3402	H01S 5/34
H01S 5/3403	H01S 5/34
H01S 5/3404	H01S 5/34
H01S 5/3406	H01S 5/34
H01S 5/3407	H01S 5/34
H01S 5/3408	H01S 5/34
H01S 5/3409	H01S 5/34
H01S 5/341	H01S 5/34
H01S 5/3412	H01S 5/34
H01S 5/3413	H01S 5/34
H01S 5/3414	H01S 5/34
H01S 5/3415	H01S 5/34



CPC Group	IPC Group
H01S 5/3416	H01S 5/34
H01S 5/3418	H01S 5/34
H01S 5/3419	H01S 5/34
H01S 5/342	H01S 5/34
H01S 5/3421	H01S 5/34
H01S 5/3422	H01S 5/34
H01S 5/3424	H01S 5/34
H01S 5/3425	H01S 5/34
H01S 5/3426	H01S 5/34
H01S 5/3427	H01S 5/34
H01S 5/3428	H01S 5/34
H01S 5/343	H01S 5/343
H01S 5/34306	H01S 5/343
H01S 5/34313	H01S 5/343
H01S 5/3432	H01S 5/343
H01S 5/34326	H01S 5/343
H01S 5/34333	H01S 5/343
H01S 5/3434	H01S 5/343
H01S 5/34346	H01S 5/343
H01S 5/34353	H01S 5/343
H01S 5/3436	H01S 5/343
H01S 5/34366	H01S 5/343
H01S 5/34373	H01S 5/343
H01S 5/3438	H01S 5/343

CPC Group	IPC Group
H01S 5/34386	H01S 5/343
H01S 5/34393	H01S 5/343
H01S 5/347	H01S 5/347
H01S 5/36	H01S 5/36
H01S 5/40	H01S 5/40
H01S 5/4006	H01S 5/40
H01S 5/4012	H01S 5/40
H01S 5/4018	H01S 5/40
H01S 5/4025	H01S 5/40
H01S 5/4031	H01S 5/40
H01S 5/4037	H01S 5/40
H01S 5/4043	H01S 5/40
H01S 5/405	H01S 5/40
H01S 5/4056	H01S 5/40
H01S 5/4062	H01S 5/40
H01S 5/4068	H01S 5/40
H01S 5/4075	H01S 5/40
H01S 5/4081	H01S 5/40
H01S 5/4087	H01S 5/40
H01S 5/4093	H01S 5/40
H01S 5/42	H01S 5/42
H01S 5/423	H01S 5/42
H01S 5/426	H01S 5/42
H01S 5/50	H01S 5/50

CPC Group	IPC Group
H01S 5/5009	H01S 5/50
H01S 5/5018	H01S 5/50
H01S 5/5027	H01S 5/50
H01S 5/5036	H01S 5/50
H01S 5/5045	H01S 5/50
H01S 5/5054	H01S 5/50
H01S 5/5063	H01S 5/50
H01S 5/5072	H01S 5/50
H01S 5/5081	H01S 5/50
H01S 5/509	H01S 5/50
H01S 2301/00	—
H01S 2301/02	—
H01S 2301/03	—
H01S 2301/04	—
H01S 2301/06	—
H01S 2301/08	—
H01S 2301/085	—
H01S 2301/14	—
H01S 2301/145	—
H01S 2301/16	—
H01S 2301/163	—
H01S 2301/166	—
H01S 2301/17	—
H01S 2301/173	—

CPC Group	IPC Group
H01S 2301/176	—
H01S 2301/18	—
H01S 2301/185	—
H01S 2301/20	—
H01S 2301/203	—
H01S 2301/206	—
H01S 2302/00	—
H01S 2302/02	—
H01S 2303/00	—
H01S 2304/00	—
H01S 2304/02	—
H01S 2304/025	—
H01S 2304/04	—
H01S 2304/06	—
H01S 2304/10	—
H01S 2304/12	—