

**CPC to IPC Concordance for Subclass H01L**

CPC Group	IPC Group
H01L 21/00	H01L 21/00
H01L 21/02	H01L 21/02
H01L 21/02002	H01L 21/02
H01L 21/02005	H01L 21/02
H01L 21/02008	H01L 21/02
H01L 21/0201	H01L 21/02
H01L 21/02013	H01L 21/02
H01L 21/02016	H01L 21/02
H01L 21/02019	H01L 21/02
H01L 21/02021	H01L 21/02
H01L 21/02024	H01L 21/02
H01L 21/02027	H01L 21/02
H01L 21/0203	H01L 21/02
H01L 21/02032	H01L 21/02
H01L 21/02035	H01L 21/02
H01L 21/02041	H01L 21/02
H01L 21/02043	H01L 21/02
H01L 21/02046	H01L 21/02
H01L 21/02049	H01L 21/02
H01L 21/02052	H01L 21/02
H01L 21/02054	H01L 21/02
H01L 21/02057	H01L 21/02
H01L 21/0206	H01L 21/02

CPC Group	IPC Group
H01L 21/02063	H01L 21/02
H01L 21/02065	H01L 21/02
H01L 21/02068	H01L 21/02
H01L 21/02071	H01L 21/02
H01L 21/02074	H01L 21/02
H01L 21/02076	H01L 21/02
H01L 21/02079	H01L 21/02
H01L 21/02082	H01L 21/02
H01L 21/02085	H01L 21/02
H01L 21/02087	H01L 21/02
H01L 21/0209	H01L 21/02
H01L 21/02093	H01L 21/02
H01L 21/02096	H01L 21/02
H01L 21/02098	H01L 21/02
H01L 21/02101	H01L 21/02
H01L 21/02104	H01L 21/02
H01L 21/02107	H01L 21/02
H01L 21/02109	H01L 21/02
H01L 21/02112	H01L 21/02
H01L 21/02115	H01L 21/02
H01L 21/02118	H01L 21/02
H01L 21/0212	H01L 21/02
H01L 21/02123	H01L 21/02
H01L 21/02126	H01L 21/02

CPC Group	IPC Group
H01L 21/02129	H01L 21/02
H01L 21/02131	H01L 21/02
H01L 21/02134	H01L 21/02
H01L 21/02137	H01L 21/02
H01L 21/0214	H01L 21/02
H01L 21/02142	H01L 21/02
H01L 21/02145	H01L 21/02
H01L 21/02148	H01L 21/02
H01L 21/0215	H01L 21/02
H01L 21/02153	H01L 21/02
H01L 21/02156	H01L 21/02
H01L 21/02159	H01L 21/02
H01L 21/02161	H01L 21/02
H01L 21/02164	H01L 21/02
H01L 21/02167	H01L 21/02
H01L 21/0217	H01L 21/02
H01L 21/02172	H01L 21/02
H01L 21/02175	H01L 21/02
H01L 21/02178	H01L 21/02
H01L 21/02181	H01L 21/02
H01L 21/02183	H01L 21/02
H01L 21/02186	H01L 21/02
H01L 21/02189	H01L 21/02
H01L 21/02192	H01L 21/02

CPC Group	IPC Group
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H01L 21/02197	H01L 21/02
H01L 21/022	H01L 21/02
H01L 21/02203	H01L 21/02
H01L 21/02205	H01L 21/02
H01L 21/02208	H01L 21/02
H01L 21/02211	H01L 21/02
H01L 21/02214	H01L 21/02
H01L 21/02216	H01L 21/02
H01L 21/02219	H01L 21/02
H01L 21/02222	H01L 21/02
H01L 21/02225	H01L 21/02
H01L 21/02227	H01L 21/02
H01L 21/0223	H01L 21/02
H01L 21/02233	H01L 21/02
H01L 21/02236	H01L 21/02
H01L 21/02238	H01L 21/02
H01L 21/02241	H01L 21/02
H01L 21/02244	H01L 21/02
H01L 21/02247	H01L 21/02
H01L 21/02249	H01L 21/02
H01L 21/02252	H01L 21/02
H01L 21/02255	H01L 21/02
H01L 21/02258	H01L 21/02

CPC Group	IPC Group
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H01L 21/02263	H01L 21/02
H01L 21/02266	H01L 21/02
H01L 21/02269	H01L 21/02
H01L 21/02271	H01L 21/02
H01L 21/02274	H01L 21/02
H01L 21/02277	H01L 21/02
H01L 21/0228	H01L 21/02
H01L 21/02282	H01L 21/02
H01L 21/02285	H01L 21/02
H01L 21/02288	H01L 21/02
H01L 21/0229	H01L 21/02
H01L 21/02293	H01L 21/02
H01L 21/02296	H01L 21/02
H01L 21/02299	H01L 21/02
H01L 21/02301	H01L 21/02
H01L 21/02304	H01L 21/02
H01L 21/02307	H01L 21/02
H01L 21/0231	H01L 21/02
H01L 21/02312	H01L 21/02
H01L 21/02315	H01L 21/02
H01L 21/02318	H01L 21/02
H01L 21/02321	H01L 21/02
H01L 21/02323	H01L 21/02

CPC Group	IPC Group
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H01L 21/02329	H01L 21/02
H01L 21/02332	H01L 21/02
H01L 21/02334	H01L 21/02
H01L 21/02337	H01L 21/02
H01L 21/0234	H01L 21/02
H01L 21/02343	H01L 21/02
H01L 21/02345	H01L 21/02
H01L 21/02348	H01L 21/02
H01L 21/02351	H01L 21/02
H01L 21/02354	H01L 21/02
H01L 21/02356	H01L 21/02
H01L 21/02359	H01L 21/02
H01L 21/02362	H01L 21/02
H01L 21/02365	H01L 21/02
H01L 21/02367	H01L 21/02
H01L 21/0237	H01L 21/02
H01L 21/02373	H01L 21/02
H01L 21/02376	H01L 21/02
H01L 21/02378	H01L 21/02
H01L 21/02381	H01L 21/02
H01L 21/02384	H01L 21/02
H01L 21/02387	H01L 21/02
H01L 21/02389	H01L 21/02

CPC Group	IPC Group
H01L 21/02392	H01L 21/02
H01L 21/02395	H01L 21/02
H01L 21/02398	H01L 21/02
H01L 21/024	H01L 21/02
H01L 21/02403	H01L 21/02
H01L 21/02406	H01L 21/02
H01L 21/02409	H01L 21/02
H01L 21/02411	H01L 21/02
H01L 21/02414	H01L 21/02
H01L 21/02417	H01L 21/02
H01L 21/0242	H01L 21/02
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H01L 21/02441	H01L 21/02
H01L 21/02444	H01L 21/02
H01L 21/02447	H01L 21/02
H01L 21/0245	H01L 21/02
H01L 21/02452	H01L 21/02
H01L 21/02455	H01L 21/02

CPC Group	IPC Group
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H01L 21/02461	H01L 21/02
H01L 21/02463	H01L 21/02
H01L 21/02466	H01L 21/02
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H01L 21/02491	H01L 21/02
H01L 21/02494	H01L 21/02
H01L 21/02496	H01L 21/02
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H01L 21/02502	H01L 21/02
H01L 21/02505	H01L 21/02
H01L 21/02507	H01L 21/02
H01L 21/0251	H01L 21/02
H01L 21/02513	H01L 21/02
H01L 21/02516	H01L 21/02
H01L 21/02518	H01L 21/02
H01L 21/02521	H01L 21/02



CPC Group	IPC Group
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H01L 21/02527	H01L 21/02
H01L 21/02529	H01L 21/02
H01L 21/02532	H01L 21/02
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H01L 21/02543	H01L 21/02
H01L 21/02546	H01L 21/02
H01L 21/02549	H01L 21/02
H01L 21/02551	H01L 21/02
H01L 21/02554	H01L 21/02
H01L 21/02557	H01L 21/02
H01L 21/0256	H01L 21/02
H01L 21/02562	H01L 21/02
H01L 21/02565	H01L 21/02
H01L 21/02568	H01L 21/02
H01L 21/0257	H01L 21/02
H01L 21/02573	H01L 21/02
H01L 21/02576	H01L 21/02
H01L 21/02579	H01L 21/02
H01L 21/02581	H01L 21/02
H01L 21/02584	H01L 21/02
H01L 21/02587	H01L 21/02

CPC Group	IPC Group
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H01L 21/02592	H01L 21/02
H01L 21/02595	H01L 21/02
H01L 21/02598	H01L 21/02
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H01L 21/02603	H01L 21/02
H01L 21/02606	H01L 21/02
H01L 21/02609	H01L 21/02
H01L 21/02612	H01L 21/02
H01L 21/02614	H01L 21/02
H01L 21/02617	H01L 21/02
H01L 21/0262	H01L 21/02
H01L 21/02623	H01L 21/02
H01L 21/02625	H01L 21/02
H01L 21/02628	H01L 21/02
H01L 21/02631	H01L 21/02
H01L 21/02634	H01L 21/02
H01L 21/02636	H01L 21/02
H01L 21/02639	H01L 21/02
H01L 21/02642	H01L 21/02
H01L 21/02645	H01L 21/02
H01L 21/02647	H01L 21/02
H01L 21/0265	H01L 21/02
H01L 21/02653	H01L 21/02

CPC Group	IPC Group
H01L 21/02656	H01L 21/02
H01L 21/02658	H01L 21/02
H01L 21/02661	H01L 21/02
H01L 21/02664	H01L 21/02
H01L 21/02667	H01L 21/02
H01L 21/02669	H01L 21/02
H01L 21/02672	H01L 21/02
H01L 21/02675	H01L 21/02
H01L 21/02678	H01L 21/02
H01L 21/0268	H01L 21/02
H01L 21/02683	H01L 21/02
H01L 21/02686	H01L 21/02
H01L 21/02689	H01L 21/02
H01L 21/02691	H01L 21/02
H01L 21/02694	H01L 21/02
H01L 21/02697	H01L 21/02
H01L 21/027	H01L 21/027
H01L 21/0271	H01L 21/027
H01L 21/0272	H01L 21/027
H01L 21/0273	H01L 21/027
H01L 21/0274	H01L 21/027
H01L 21/0275	H01L 21/027
H01L 21/0276	H01L 21/027
H01L 21/0277	H01L 21/027

CPC Group	IPC Group
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H01L 21/0279	H01L 21/027
H01L 21/033	H01L 21/033
H01L 21/0331	H01L 21/033
H01L 21/0332	H01L 21/033
H01L 21/0334	H01L 21/033
H01L 21/0335	H01L 21/033
H01L 21/0337	H01L 21/033
H01L 21/0338	H01L 21/033
H01L 21/04	H01L 21/04
H01L 21/0405	H01L 21/04
H01L 21/041	H01L 21/04
H01L 21/0415	H01L 21/04
H01L 21/042	H01L 21/04
H01L 21/0425	H01L 21/04
H01L 21/043	H01L 21/04
H01L 21/0435	H01L 21/04
H01L 21/044	H01L 21/04
H01L 21/0445	H01L 21/04
H01L 21/045	H01L 21/04
H01L 21/0455	H01L 21/04
H01L 21/046	H01L 21/04
H01L 21/0465	H01L 21/04
H01L 21/047	H01L 21/04

CPC Group	IPC Group
H01L 21/0475	H01L 21/04
H01L 21/048	H01L 21/04
H01L 21/0485	H01L 21/04
H01L 21/049	H01L 21/04
H01L 21/0495	H01L 21/04
H01L 21/18	H01L 21/18
H01L 21/182	H01L 21/18
H01L 21/185	H01L 21/18
H01L 21/187	H01L 21/18
H01L 21/20	H01L 21/20
H01L 21/2003	H01L 21/20
H01L 21/2007	H01L 21/20
H01L 21/2011	H01L 21/20
H01L 21/2015	H01L 21/20
H01L 21/22	H01L 21/22
H01L 21/2205	H01L 21/22
H01L 21/221	H01L 21/22
H01L 21/2215	H01L 21/22
H01L 21/222	H01L 21/22
H01L 21/2225	H01L 21/22
H01L 21/223	H01L 21/223
H01L 21/2233	H01L 21/223
H01L 21/2236	H01L 21/223
H01L 21/225	H01L 21/225

CPC Group	IPC Group
H01L 21/2251	H01L 21/225
H01L 21/2252	H01L 21/225
H01L 21/2253	H01L 21/225
H01L 21/2254	H01L 21/225
H01L 21/2255	H01L 21/225
H01L 21/2256	H01L 21/225
H01L 21/2257	H01L 21/225
H01L 21/2258	H01L 21/225
H01L 21/228	H01L 21/228
H01L 21/24	H01L 21/24
H01L 21/242	H01L 21/24
H01L 21/244	H01L 21/24
H01L 21/246	H01L 21/24
H01L 21/248	H01L 21/24
H01L 21/26	H01L 21/26
H01L 21/2605	H01L 21/26
H01L 21/261	H01L 21/261
H01L 21/263	H01L 21/263
H01L 21/2633	H01L 21/263
H01L 21/2636	H01L 21/263
H01L 21/265	H01L 21/265
H01L 21/26506	H01L 21/265
H01L 21/26513	H01L 21/265
H01L 21/2652	H01L 21/265

CPC Group	IPC Group
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H01L 21/26533	H01L 21/265
H01L 21/2654	H01L 21/265
H01L 21/26546	H01L 21/265
H01L 21/26553	H01L 21/265
H01L 21/2656	H01L 21/265
H01L 21/26566	H01L 21/265
H01L 2021/26573	H01L 21/265
H01L 21/2658	H01L 21/265
H01L 21/26586	H01L 21/265
H01L 21/26593	H01L 21/265
H01L 21/266	H01L 21/266
H01L 21/268	H01L 21/268
H01L 21/2683	H01L 21/268
H01L 21/2686	H01L 21/268
H01L 21/28	H01L 21/28
H01L 21/28008	H01L 21/28
H01L 21/28017	H01L 21/28
H01L 21/28026	H01L 21/28
H01L 21/28035	H01L 21/28
H01L 21/28044	H01L 21/28
H01L 21/28052	H01L 21/28
H01L 21/28061	H01L 21/28
H01L 21/2807	H01L 21/28

CPC Group	IPC Group
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H01L 21/28088	H01L 21/28
H01L 21/28097	H01L 21/28
H01L 21/28105	H01L 21/28
H01L 21/28114	H01L 21/28
H01L 21/28123	H01L 21/28
H01L 21/28132	H01L 21/28
H01L 21/28141	H01L 21/28
H01L 21/2815	H01L 21/28
H01L 21/28158	H01L 21/28
H01L 21/28167	H01L 21/28
H01L 21/28176	H01L 21/28
H01L 21/28185	H01L 21/28
H01L 21/28194	H01L 21/28
H01L 21/28202	H01L 21/28
H01L 21/28211	H01L 21/28
H01L 21/2822	H01L 21/28
H01L 21/28229	H01L 21/28
H01L 21/28238	H01L 21/28
H01L 21/28247	H01L 21/28
H01L 21/28255	H01L 21/28
H01L 21/28264	H01L 21/28
H01L 21/283	H01L 21/283
H01L 21/285	H01L 21/285



CPC Group	IPC Group
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H01L 21/28512	H01L 21/285
H01L 21/28518	H01L 21/285
H01L 21/28525	H01L 21/285
H01L 21/28531	H01L 21/285
H01L 21/28537	H01L 21/285
H01L 21/2855	H01L 21/285
H01L 21/28556	H01L 21/285
H01L 21/28562	H01L 21/285
H01L 21/28568	H01L 21/285
H01L 21/28575	H01L 21/285
H01L 21/28581	H01L 21/285
H01L 21/28587	H01L 21/285
H01L 21/28593	H01L 21/285
H01L 21/288	H01L 21/288
H01L 21/2885	H01L 21/288
H01L 21/30	H01L 21/30
H01L 21/3003	H01L 21/30
H01L 21/3006	H01L 21/30
H01L 21/302	H01L 21/302
H01L 21/304	H01L 21/304
H01L 21/3043	H01L 21/304
H01L 21/3046	H01L 21/304
H01L 21/306	H01L 21/306

CPC Group	IPC Group
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H01L 21/30608	H01L 21/306
H01L 21/30612	H01L 21/306
H01L 21/30617	H01L 21/306
H01L 21/30621	H01L 21/306
H01L 21/30625	H01L 21/306
H01L 21/3063	H01L 21/3063
H01L 21/30635	H01L 21/3063
H01L 21/3065	H01L 21/3065
H01L 21/30655	H01L 21/3065
H01L 21/308	H01L 21/308
H01L 21/3081	H01L 21/308
H01L 21/3083	H01L 21/308
H01L 21/3085	H01L 21/308
H01L 21/3086	H01L 21/308
H01L 21/3088	H01L 21/308
H01L 21/31	H01L 21/31
H01L 21/3105	H01L 21/3105
H01L 21/31051	H01L 21/3105
H01L 21/31053	H01L 21/3105
H01L 21/31055	H01L 21/3105
H01L 21/31056	H01L 21/3105
H01L 21/31058	H01L 21/3105
H01L 21/311	H01L 21/311

CPC Group	IPC Group
H01L 21/31105	H01L 21/311
H01L 21/31111	H01L 21/311
H01L 21/31116	H01L 21/311
H01L 21/31122	H01L 21/311
H01L 21/31127	H01L 21/311
H01L 21/31133	H01L 21/311
H01L 21/31138	H01L 21/311
H01L 21/31144	H01L 21/311
H01L 21/3115	H01L 21/3115
H01L 21/31155	H01L 21/3115
H01L 21/312	H01L 21/312
H01L 21/3121	H01L 21/312
H01L 21/3122	H01L 21/312
H01L 21/3124	H01L 21/312
H01L 21/3125	H01L 21/312
H01L 21/3127	H01L 21/312
H01L 21/3128	H01L 21/312
H01L 21/314	H01L 21/314
H01L 21/3141	H01L 21/314
H01L 21/3142	H01L 21/314
H01L 21/3143	H01L 21/314
H01L 21/3144	H01L 21/314
H01L 21/3145	H01L 21/314
H01L 21/3146	H01L 21/314

CPC Group	IPC Group
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H01L 21/3148	H01L 21/314
H01L 2021/3149	H01L 21/314
H01L 21/316	H01L 21/316
H01L 21/31604	H01L 21/316
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H01L 21/31616	H01L 21/316
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H01L 21/31662	H01L 21/316
H01L 21/31666	H01L 21/316
H01L 21/3167	H01L 21/316
H01L 21/31675	H01L 21/316
H01L 21/31679	H01L 21/316
H01L 21/31683	H01L 21/316

CPC Group	IPC Group
H01L 21/31687	H01L 21/316
H01L 21/31691	H01L 21/316
H01L 21/31695	H01L 21/316
H01L 21/318	H01L 21/318
H01L 21/3185	H01L 21/318
H01L 21/32	H01L 21/32
H01L 21/3205	H01L 21/3205
H01L 21/32051	H01L 21/3205
H01L 21/32053	H01L 21/3205
H01L 21/32055	H01L 21/3205
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H01L 21/3211	H01L 21/321
H01L 21/32115	H01L 21/321
H01L 21/3212	H01L 21/321
H01L 21/32125	H01L 21/321
H01L 21/3213	H01L 21/3213
H01L 21/32131	H01L 21/3213
H01L 21/32132	H01L 21/3213
H01L 21/32133	H01L 21/3213
H01L 21/32134	H01L 21/3213
H01L 21/32135	H01L 21/3213

CPC Group	IPC Group
H01L 21/32136	H01L 21/3213
H01L 21/32137	H01L 21/3213
H01L 21/32138	H01L 21/3213
H01L 21/32139	H01L 21/3213
H01L 21/3215	H01L 21/3215
H01L 21/32155	H01L 21/3215
H01L 21/322	H01L 21/322
H01L 21/3221	H01L 21/322
H01L 21/3223	H01L 21/322
H01L 21/3225	H01L 21/322
H01L 21/3226	H01L 21/322
H01L 21/3228	H01L 21/322
H01L 21/324	H01L 21/324
H01L 21/3242	H01L 21/324
H01L 21/3245	H01L 21/324
H01L 21/3247	H01L 21/324
H01L 21/326	H01L 21/326
H01L 21/34	H01L 21/34
H01L 21/38	H01L 21/38
H01L 21/383	H01L 21/383
H01L 21/385	H01L 21/385
H01L 21/388	H01L 21/388
H01L 21/40	H01L 21/40
H01L 21/42	H01L 21/42

CPC Group	IPC Group
H01L 21/423	H01L 21/423
H01L 21/425	H01L 21/425
H01L 21/426	H01L 21/426
H01L 21/428	H01L 21/428
H01L 21/44	H01L 21/44
H01L 21/441	H01L 21/441
H01L 21/443	H01L 21/443
H01L 21/445	H01L 21/445
H01L 21/447	H01L 21/447
H01L 21/449	H01L 21/449
H01L 21/46	H01L 21/46
H01L 21/461	H01L 21/461
H01L 21/463	H01L 21/463
H01L 21/465	H01L 21/465
H01L 21/467	H01L 21/467
H01L 21/469	H01L 21/469
H01L 21/47	H01L 21/47
H01L 21/471	H01L 21/471
H01L 21/473	H01L 21/473
H01L 21/475	H01L 21/475
H01L 21/4757	H01L 21/4757
H01L 21/47573	H01L 21/4757
H01L 21/47576	H01L 21/4757
H01L 21/4763	H01L 21/4763

CPC Group	IPC Group
H01L 21/47635	H01L 21/4763
H01L 21/477	H01L 21/477
H01L 21/479	H01L 21/479
H01L 21/48	H01L 21/48
H01L 21/4803	H01L 21/48
H01L 21/4807	H01L 21/48
H01L 21/481	H01L 21/48
H01L 21/4814	H01L 21/48
H01L 21/4817	H01L 21/48
H01L 21/4821	H01L 21/48
H01L 21/4825	H01L 21/48
H01L 21/4828	H01L 21/48
H01L 21/4832	H01L 21/48
H01L 21/4835	H01L 21/48
H01L 21/4839	H01L 21/48
H01L 21/4842	H01L 21/48
H01L 21/4846	H01L 21/48
H01L 21/485	H01L 21/48
H01L 21/4853	H01L 21/48
H01L 21/4857	H01L 21/48
H01L 21/486	H01L 21/48
H01L 21/4864	H01L 21/48
H01L 21/4867	H01L 21/48
H01L 21/4871	H01L 21/48



CPC Group	IPC Group
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H01L 21/4878	H01L 21/48
H01L 21/4882	H01L 21/48
H01L 21/4885	H01L 21/48
H01L 21/4889	H01L 21/48
H01L 21/4892	H01L 21/48
H01L 21/4896	H01L 21/48
H01L 21/50	H01L 21/50
H01L 21/52	H01L 21/52
H01L 21/54	H01L 21/54
H01L 21/56	H01L 21/56
H01L 21/561	H01L 21/56
H01L 21/563	H01L 21/56
H01L 21/565	H01L 21/56
H01L 21/566	H01L 21/56
H01L 21/568	H01L 21/56
H01L 21/60	H01L 21/60
H01L 2021/60007	H01L 21/60
H01L 2021/60015	H01L 21/60
H01L 2021/60022	H01L 21/60
H01L 2021/6003	H01L 21/60
H01L 2021/60037	H01L 21/60
H01L 2021/60045	H01L 21/60
H01L 2021/60052	H01L 21/60

CPC Group	IPC Group
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H01L 2021/60067	H01L 21/60
H01L 2021/60075	H01L 21/60
H01L 2021/60082	H01L 21/60
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H01L 2021/60097	H01L 21/60
H01L 2021/60105	H01L 21/60
H01L 2021/60112	H01L 21/60
H01L 2021/6012	H01L 21/60
H01L 2021/60127	H01L 21/60
H01L 2021/60135	H01L 21/60
H01L 2021/60142	H01L 21/60
H01L 2021/6015	H01L 21/60
H01L 2021/60157	H01L 21/60
H01L 2021/60165	H01L 21/60
H01L 2021/60172	H01L 21/60
H01L 2021/6018	H01L 21/60
H01L 2021/60187	H01L 21/60
H01L 2021/60195	H01L 21/60
H01L 2021/60202	H01L 21/60
H01L 2021/6021	H01L 21/60
H01L 2021/60217	H01L 21/60
H01L 2021/60225	H01L 21/60
H01L 2021/60232	H01L 21/60

CPC Group	IPC Group
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H01L 2021/60247	H01L 21/60
H01L 2021/60255	H01L 21/60
H01L 2021/60262	H01L 21/60
H01L 2021/6027	H01L 21/60
H01L 2021/60277	H01L 21/60
H01L 2021/60285	H01L 21/60
H01L 2021/60292	H01L 21/60
H01L 21/603	H01L 21/603
H01L 21/607	H01L 21/607
H01L 21/62	H01L 21/62
H01L 21/64	H01L 21/64
H01L 21/67	H01L 21/67
H01L 21/67005	H01L 21/67
H01L 21/67011	H01L 21/67
H01L 21/67017	H01L 21/67
H01L 21/67023	H01L 21/67
H01L 21/67028	H01L 21/67
H01L 21/67034	H01L 21/67
H01L 21/6704	H01L 21/67
H01L 21/67046	H01L 21/67
H01L 21/67051	H01L 21/67
H01L 21/67057	H01L 21/67
H01L 21/67063	H01L 21/67

CPC Group	IPC Group
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H01L 21/67075	H01L 21/67
H01L 21/6708	H01L 21/67
H01L 21/67086	H01L 21/67
H01L 21/67092	H01L 21/67
H01L 21/67098	H01L 21/67
H01L 21/67103	H01L 21/67
H01L 21/67109	H01L 21/67
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H01L 21/67121	H01L 21/67
H01L 21/67126	H01L 21/67
H01L 21/67132	H01L 21/67
H01L 21/67138	H01L 21/67
H01L 21/67144	H01L 21/67
H01L 21/6715	H01L 21/67
H01L 21/67155	H01L 21/67
H01L 21/67161	H01L 21/67
H01L 21/67167	H01L 21/67
H01L 21/67173	H01L 21/67
H01L 21/67178	H01L 21/67
H01L 21/67184	H01L 21/67
H01L 21/6719	H01L 21/67
H01L 21/67196	H01L 21/67
H01L 21/67201	H01L 21/67

CPC Group	IPC Group
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H01L 21/67213	H01L 21/67
H01L 21/67219	H01L 21/67
H01L 21/67225	H01L 21/67
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H01L 21/67236	H01L 21/67
H01L 21/67242	H01L 21/67
H01L 21/67248	H01L 21/67
H01L 21/67253	H01L 21/67
H01L 21/67259	H01L 21/67
H01L 21/67265	H01L 21/67
H01L 21/67271	H01L 21/67
H01L 21/67276	H01L 21/67
H01L 21/67282	H01L 21/67
H01L 21/67288	H01L 21/67
H01L 21/67294	H01L 21/67
H01L 21/673	H01L 21/673
H01L 21/67303	H01L 21/673
H01L 21/67306	H01L 21/673
H01L 21/67309	H01L 21/673
H01L 21/67313	H01L 21/673
H01L 21/67316	H01L 21/673
H01L 21/6732	H01L 21/673
H01L 21/67323	H01L 21/673

CPC Group	IPC Group
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H01L 21/6733	H01L 21/673
H01L 21/67333	H01L 21/673
H01L 21/67336	H01L 21/673
H01L 21/6734	H01L 21/673
H01L 21/67343	H01L 21/673
H01L 21/67346	H01L 21/673
H01L 21/6735	H01L 21/673
H01L 21/67353	H01L 21/673
H01L 21/67356	H01L 21/673
H01L 21/67359	H01L 21/673
H01L 21/67363	H01L 21/673
H01L 21/67366	H01L 21/673
H01L 21/67369	H01L 21/673
H01L 21/67373	H01L 21/673
H01L 21/67376	H01L 21/673
H01L 21/67379	H01L 21/673
H01L 21/67383	H01L 21/673
H01L 21/67386	H01L 21/673
H01L 21/67389	H01L 21/673
H01L 21/67393	H01L 21/673
H01L 21/67396	H01L 21/673
H01L 21/677	H01L 21/677
H01L 21/67703	H01L 21/677

CPC Group	IPC Group
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H01L 21/67709	H01L 21/677
H01L 21/67712	H01L 21/677
H01L 21/67715	H01L 21/677
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H01L 21/6773	H01L 21/677
H01L 21/67733	H01L 21/677
H01L 21/67736	H01L 21/677
H01L 21/67739	H01L 21/677
H01L 21/67742	H01L 21/677
H01L 21/67745	H01L 21/677
H01L 21/67748	H01L 21/677
H01L 21/67751	H01L 21/677
H01L 21/67754	H01L 21/677
H01L 21/67757	H01L 21/677
H01L 21/6776	H01L 21/677
H01L 21/67763	H01L 21/677
H01L 21/67766	H01L 21/677
H01L 21/67769	H01L 21/677
H01L 21/67772	H01L 21/677
H01L 21/67775	H01L 21/677

CPC Group	IPC Group
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H01L 21/67781	H01L 21/677
H01L 21/67784	H01L 21/677
H01L 21/67787	H01L 21/677
H01L 21/6779	H01L 21/677
H01L 21/67793	H01L 21/677
H01L 21/67796	H01L 21/677
H01L 21/68	H01L 21/68
H01L 21/681	H01L 21/68
H01L 21/682	H01L 21/68
H01L 21/683	H01L 21/683
H01L 21/6831	H01L 21/683
H01L 21/6833	H01L 21/683
H01L 21/6835	H01L 21/683
H01L 21/6836	H01L 21/683
H01L 21/6838	H01L 21/683
H01L 21/687	H01L 21/687
H01L 21/68707	H01L 21/687
H01L 21/68714	H01L 21/687
H01L 21/68721	H01L 21/687
H01L 21/68728	H01L 21/687
H01L 21/68735	H01L 21/687
H01L 21/68742	H01L 21/687
H01L 21/6875	H01L 21/687



CPC Group	IPC Group
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H01L 21/68764	H01L 21/687
H01L 21/68771	H01L 21/687
H01L 21/68778	H01L 21/687
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H01L 21/68792	H01L 21/687
H01L 21/70	H01L 21/70
H01L 21/702	H01L 21/70
H01L 21/705	H01L 21/70
H01L 21/707	H01L 21/70
H01L 21/71	H01L 21/71
H01L 21/74	H01L 21/74
H01L 21/743	H01L 21/74
H01L 21/746	H01L 21/74
H01L 21/76	H01L 21/76
H01L 21/7602	H01L 21/76
H01L 21/7605	H01L 21/76
H01L 21/7607	H01L 21/76
H01L 21/761	H01L 21/761
H01L 21/762	H01L 21/762
H01L 21/76202	H01L 21/762
H01L 21/76205	H01L 21/762
H01L 21/76208	H01L 21/762
H01L 21/7621	H01L 21/762

CPC Group	IPC Group
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H01L 21/76216	H01L 21/762
H01L 21/76218	H01L 21/762
H01L 21/76221	H01L 21/762
H01L 21/76224	H01L 21/762
H01L 21/76227	H01L 21/762
H01L 21/76229	H01L 21/762
H01L 21/76232	H01L 21/762
H01L 21/76235	H01L 21/762
H01L 21/76237	H01L 21/762
H01L 21/7624	H01L 21/762
H01L 21/76243	H01L 21/762
H01L 21/76245	H01L 21/762
H01L 21/76248	H01L 21/762
H01L 21/76251	H01L 21/762
H01L 21/76254	H01L 21/762
H01L 21/76256	H01L 21/762
H01L 21/76259	H01L 21/762
H01L 21/76262	H01L 21/762
H01L 21/76264	H01L 21/762
H01L 21/76267	H01L 21/762
H01L 21/7627	H01L 21/762
H01L 21/76272	H01L 21/762
H01L 21/76275	H01L 21/762

CPC Group	IPC Group
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H01L 21/76281	H01L 21/762
H01L 21/76283	H01L 21/762
H01L 21/76286	H01L 21/762
H01L 21/76289	H01L 21/762
H01L 21/76291	H01L 21/762
H01L 21/76294	H01L 21/762
H01L 21/76297	H01L 21/762
H01L 21/763	H01L 21/763
H01L 21/764	H01L 21/764
H01L 21/765	H01L 21/765
H01L 21/768	H01L 21/768
H01L 21/76801	H01L 21/768
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H01L 21/7681	H01L 21/768
H01L 21/76811	H01L 21/768
H01L 21/76813	H01L 21/768
H01L 21/76814	H01L 21/768
H01L 21/76816	H01L 21/768
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CPC Group	IPC Group
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H01L 21/7682	H01L 21/768
H01L 21/76822	H01L 21/768
H01L 21/76823	H01L 21/768
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H01L 21/76847	H01L 21/768
H01L 21/76849	H01L 21/768
H01L 21/7685	H01L 21/768
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CPC Group	IPC Group
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H01L 21/76882	H01L 21/768
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H01L 21/76889	H01L 21/768

CPC Group	IPC Group
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H01L 21/76895	H01L 21/768
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H01L 21/77	H01L 21/77
H01L 21/78	H01L 21/78
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H01L 22/00	H01L 21/66
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H01L 22/12	H01L 21/66
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H01L 22/26	H01L 21/66
H01L 22/30	H01L 21/66
H01L 22/32	H01L 21/66
H01L 22/34	H01L 21/66
H01L 23/00	H01L 23/00
H01L 23/02	H01L 23/02
H01L 23/04	H01L 23/04

CPC Group	IPC Group
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H01L 23/043	H01L 23/043
H01L 23/045	H01L 23/045
H01L 23/047	H01L 23/047
H01L 23/049	H01L 23/049
H01L 23/051	H01L 23/051
H01L 23/053	H01L 23/053
H01L 23/055	H01L 23/055
H01L 23/057	H01L 23/057
H01L 23/06	H01L 23/06
H01L 23/08	H01L 23/08
H01L 23/10	H01L 23/10
H01L 23/12	H01L 23/12
H01L 23/13	H01L 23/13
H01L 23/14	H01L 23/14
H01L 23/142	H01L 23/14
H01L 23/145	H01L 23/14
H01L 23/147	H01L 23/14
H01L 23/15	H01L 23/15
H01L 23/16	H01L 23/16
H01L 23/18	H01L 23/18
H01L 23/20	H01L 23/20
H01L 23/22	H01L 23/22
H01L 23/24	H01L 23/24

CPC Group	IPC Group
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H01L 23/28	H01L 23/28
H01L 23/29	H01L 23/29
H01L 23/291	H01L 23/29
H01L 23/293	H01L 23/29
H01L 23/295	H01L 23/29
H01L 23/296	H01L 23/29
H01L 23/298	H01L 23/29
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H01L 23/3128	H01L 23/31
H01L 23/3135	H01L 23/31
H01L 23/3142	H01L 23/31
H01L 23/315	H01L 23/31
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H01L 23/3171	H01L 23/31
H01L 23/3178	H01L 23/31
H01L 23/3185	H01L 23/31
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H01L 23/32	H01L 23/32
H01L 23/34	H01L 23/34



CPC Group	IPC Group
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H01L 23/367	H01L 23/367
H01L 23/3672	H01L 23/367
H01L 23/3675	H01L 23/367
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H01L 23/373	H01L 23/373
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H01L 23/3737	H01L 23/373
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CPC Group	IPC Group
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H01L 2023/4075	H01L 23/40
H01L 2023/4081	H01L 23/40
H01L 2023/4087	H01L 23/40
H01L 23/4093	H01L 23/40
H01L 23/42	H01L 23/42
H01L 23/427	H01L 23/427
H01L 23/4275	H01L 23/427
H01L 23/433	H01L 23/433
H01L 23/4332	H01L 23/433
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H01L 23/4336	H01L 23/433
H01L 23/4338	H01L 23/433
H01L 23/44	H01L 23/44
H01L 23/445	H01L 23/44
H01L 23/46	H01L 23/46
H01L 23/467	H01L 23/467
H01L 23/473	H01L 23/473
H01L 23/4735	H01L 23/473
H01L 23/48	H01L 23/48
H01L 23/481	H01L 23/48
H01L 23/482	H01L 23/482

CPC Group	IPC Group
H01L 23/4821	H01L 23/482
H01L 23/4822	H01L 23/482
H01L 23/4824	H01L 23/482
H01L 23/4825	H01L 23/482
H01L 23/4827	H01L 23/482
H01L 23/4828	H01L 23/482
H01L 23/485	H01L 23/485
H01L 23/4855	H01L 23/485
H01L 23/488	H01L 23/488
H01L 23/49	H01L 23/49
H01L 23/492	H01L 23/492
H01L 23/4922	H01L 23/492
H01L 23/4924	H01L 23/492
H01L 23/4926	H01L 23/492
H01L 23/4928	H01L 23/492
H01L 23/495	H01L 23/495
H01L 23/49503	H01L 23/495
H01L 23/49506	H01L 23/495
H01L 23/4951	H01L 23/495
H01L 23/49513	H01L 23/495
H01L 23/49517	H01L 23/495
H01L 23/4952	H01L 23/495
H01L 23/49524	H01L 23/495
H01L 23/49527	H01L 23/495

CPC Group	IPC Group
H01L 23/49531	H01L 23/495
H01L 23/49534	H01L 23/495
H01L 23/49537	H01L 23/495
H01L 23/49541	H01L 23/495
H01L 23/49544	H01L 23/495
H01L 23/49548	H01L 23/495
H01L 23/49551	H01L 23/495
H01L 23/49555	H01L 23/495
H01L 23/49558	H01L 23/495
H01L 23/49562	H01L 23/495
H01L 23/49565	H01L 23/495
H01L 23/49568	H01L 23/495
H01L 23/49572	H01L 23/495
H01L 23/49575	H01L 23/495
H01L 23/49579	H01L 23/495
H01L 23/49582	H01L 23/495
H01L 23/49586	H01L 23/495
H01L 23/49589	H01L 23/495
H01L 23/49593	H01L 23/495
H01L 23/49596	H01L 23/495
H01L 23/498	H01L 23/498
H01L 23/49805	H01L 23/498
H01L 23/49811	H01L 23/498
H01L 23/49816	H01L 23/498

CPC Group	IPC Group
H01L 23/49822	H01L 23/498
H01L 23/49827	H01L 23/498
H01L 23/49833	H01L 23/498
H01L 23/49838	H01L 23/498
H01L 23/49844	H01L 23/498
H01L 23/4985	H01L 23/498
H01L 23/49855	H01L 23/498
H01L 23/49861	H01L 23/498
H01L 23/49866	H01L 23/498
H01L 23/49872	H01L 23/498
H01L 23/49877	H01L 23/498
H01L 23/49883	H01L 23/498
H01L 23/49888	H01L 23/498
H01L 23/49894	H01L 23/498
H01L 23/50	H01L 23/50
H01L 23/52	H01L 23/52
H01L 23/522	H01L 23/522
H01L 23/5221	H01L 23/522
H01L 23/5222	H01L 23/522
H01L 23/5223	H01L 23/522
H01L 23/5225	H01L 23/522
H01L 23/5226	H01L 23/522
H01L 23/5227	H01L 23/522
H01L 23/5228	H01L 23/522

CPC Group	IPC Group
H01L 23/525	H01L 23/525
H01L 23/5252	H01L 23/525
H01L 23/5254	H01L 23/525
H01L 23/5256	H01L 23/525
H01L 23/5258	H01L 23/525
H01L 23/528	H01L 23/528
H01L 23/5283	H01L 23/528
H01L 23/5286	H01L 23/528
H01L 23/532	H01L 23/532
H01L 23/53204	H01L 23/532
H01L 23/53209	H01L 23/532
H01L 23/53214	H01L 23/532
H01L 23/53219	H01L 23/532
H01L 23/53223	H01L 23/532
H01L 23/53228	H01L 23/532
H01L 23/53233	H01L 23/532
H01L 23/53238	H01L 23/532
H01L 23/53242	H01L 23/532
H01L 23/53247	H01L 23/532
H01L 23/53252	H01L 23/532
H01L 23/53257	H01L 23/532
H01L 23/53261	H01L 23/532
H01L 23/53266	H01L 23/532
H01L 23/53271	H01L 23/532

CPC Group	IPC Group
H01L 23/53276	H01L 23/532
H01L 23/5328	H01L 23/532
H01L 23/53285	H01L 23/532
H01L 23/5329	H01L 23/532
H01L 23/53295	H01L 23/532
H01L 23/535	H01L 23/535
H01L 23/538	H01L 23/538
H01L 23/5381	H01L 23/538
H01L 23/5382	H01L 23/538
H01L 23/5383	H01L 23/538
H01L 23/5384	H01L 23/538
H01L 23/5385	H01L 23/538
H01L 23/5386	H01L 23/538
H01L 23/5387	H01L 23/538
H01L 23/5388	H01L 23/538
H01L 23/5389	H01L 23/538
H01L 23/544	H01L 23/544
H01L 23/552	H01L 23/552
H01L 23/556	H01L 23/556
H01L 23/562	H01L 23/00
H01L 23/564	H01L 23/00
H01L 23/57	H01L 23/00
H01L 23/573	H01L 23/00
H01L 23/576	H01L 23/00

CPC Group	IPC Group
H01L 23/58	H01L 23/58
H01L 23/585	H01L 23/58
H01L 23/60	H01L 23/60
H01L 23/62	H01L 23/62
H01L 23/64	H01L 23/64
H01L 23/642	H01L 23/64
H01L 23/645	H01L 23/64
H01L 23/647	H01L 23/64
H01L 23/66	H01L 23/66
H01L 24/00	H01L 23/00
H01L 24/01	H01L 23/00
H01L 24/02	H01L 23/00
H01L 24/03	H01L 23/00
H01L 24/04	H01L 23/00
H01L 24/05	H01L 23/00
H01L 24/06	H01L 23/00
H01L 24/07	H01L 23/00
H01L 24/08	H01L 23/00
H01L 24/09	H01L 23/00
H01L 24/10	H01L 23/00
H01L 24/11	H01L 23/00
H01L 24/12	H01L 23/00
H01L 24/13	H01L 23/00
H01L 24/14	H01L 23/00



CPC Group	IPC Group
H01L 24/15	H01L 23/00
H01L 24/16	H01L 23/00
H01L 24/17	H01L 23/00
H01L 24/18	H01L 23/00
H01L 24/19	H01L 23/00
H01L 24/20	H01L 23/00
H01L 24/23	H01L 23/00
H01L 24/24	H01L 23/00
H01L 24/25	H01L 23/00
H01L 24/26	H01L 23/00
H01L 24/27	H01L 23/00
H01L 24/28	H01L 23/00
H01L 24/29	H01L 23/00
H01L 24/30	H01L 23/00
H01L 24/31	H01L 23/00
H01L 24/32	H01L 23/00
H01L 24/33	H01L 23/00
H01L 24/34	H01L 23/00
H01L 24/35	H01L 23/00
H01L 24/36	H01L 23/00
H01L 24/37	H01L 23/00
H01L 24/38	H01L 23/00
H01L 24/39	H01L 23/00
H01L 24/40	H01L 23/00

CPC Group	IPC Group
H01L 24/41	H01L 23/00
H01L 24/42	H01L 23/00
H01L 24/43	H01L 23/00
H01L 24/44	H01L 23/00
H01L 24/45	H01L 23/00
H01L 24/46	H01L 23/00
H01L 24/47	H01L 23/00
H01L 24/48	H01L 23/00
H01L 24/49	H01L 23/00
H01L 24/50	H01L 23/00
H01L 24/63	H01L 23/00
H01L 24/64	H01L 23/00
H01L 24/65	H01L 23/00
H01L 24/66	H01L 23/00
H01L 24/67	H01L 23/00
H01L 24/68	H01L 23/00
H01L 24/69	H01L 23/00
H01L 24/70	H01L 23/00
H01L 24/71	H01L 23/00
H01L 24/72	H01L 23/00
H01L 24/73	H01L 23/00
H01L 24/74	H01L 23/00
H01L 24/741	H01L 23/00
H01L 24/742	H01L 23/00

CPC Group	IPC Group
H01L 24/743	H01L 23/00
H01L 24/744	H01L 23/00
H01L 24/745	H01L 23/00
H01L 24/75	H01L 23/00
H01L 24/76	H01L 23/00
H01L 24/77	H01L 23/00
H01L 24/78	H01L 23/00
H01L 24/79	H01L 23/00
H01L 24/799	H01L 23/00
H01L 24/80	H01L 23/00
H01L 24/81	H01L 23/00
H01L 24/82	H01L 23/00
H01L 24/83	H01L 23/00
H01L 24/84	H01L 23/00
H01L 24/85	H01L 23/00
H01L 24/86	H01L 23/00
H01L 24/89	H01L 23/00
H01L 24/90	H01L 23/00
H01L 24/91	H01L 23/00
H01L 24/92	H01L 23/00
H01L 24/93	H01L 23/00
H01L 24/94	H01L 23/00
H01L 24/95	H01L 23/00
H01L 24/96	H01L 23/00

CPC Group	IPC Group
H01L 24/97	H01L 23/00
H01L 24/98	H01L 23/00
H01L 25/00	H01L 25/00
H01L 25/03	H01L 25/03
H01L 25/04	H01L 25/04
H01L 25/041	H01L 25/04
H01L 25/042	H01L 25/04
H01L 25/043	H01L 25/04
H01L 25/065	H01L 25/065
H01L 25/0652	H01L 25/065
H01L 25/0655	H01L 25/065
H01L 25/0657	H01L 25/065
H01L 25/07	H01L 25/07
H01L 25/071	H01L 25/07
H01L 25/072	H01L 25/07
H01L 25/073	H01L 25/07
H01L 25/074	H01L 25/07
H01L 25/075	H01L 25/075
H01L 25/0753	H01L 25/075
H01L 25/0756	H01L 25/075
H01L 25/10	H01L 25/10
H01L 25/105	H01L 25/10
H01L 25/11	H01L 25/11
H01L 25/112	H01L 25/11

CPC Group	IPC Group
H01L 25/115	H01L 25/11
H01L 25/117	H01L 25/11
H01L 25/13	H01L 25/13
H01L 25/16	H01L 25/16
H01L 25/162	H01L 25/16
H01L 25/165	H01L 25/16
H01L 25/167	H01L 25/16
H01L 25/18	H01L 25/18
H01L 25/50	H01L 25/00
H01L 2221/00	—
H01L 2221/10	—
H01L 2221/1005	—
H01L 2221/101	—
H01L 2221/1015	—
H01L 2221/1021	—
H01L 2221/1026	—
H01L 2221/1031	—
H01L 2221/1036	—
H01L 2221/1042	—
H01L 2221/1047	—
H01L 2221/1052	—
H01L 2221/1057	—
H01L 2221/1063	—
H01L 2221/1068	—

CPC Group	IPC Group
H01L 2221/1073	—
H01L 2221/1078	—
H01L 2221/1084	—
H01L 2221/1089	—
H01L 2221/1094	—
H01L 2221/67	—
H01L 2221/683	—
H01L 2221/68304	—
H01L 2221/68309	—
H01L 2221/68313	—
H01L 2221/68318	—
H01L 2221/68322	—
H01L 2221/68327	—
H01L 2221/68331	—
H01L 2221/68336	—
H01L 2221/6834	—
H01L 2221/68345	—
H01L 2221/6835	—
H01L 2221/68354	—
H01L 2221/68359	—
H01L 2221/68363	—
H01L 2221/68368	—
H01L 2221/68372	—
H01L 2221/68377	—

CPC Group	IPC Group
H01L 2221/68381	—
H01L 2221/68386	—
H01L 2221/6839	—
H01L 2221/68395	—
H01L 2223/00	—
H01L 2223/544	—
H01L 2223/54406	—
H01L 2223/54413	—
H01L 2223/5442	—
H01L 2223/54426	—
H01L 2223/54433	—
H01L 2223/5444	—
H01L 2223/54446	—
H01L 2223/54453	—
H01L 2223/5446	—
H01L 2223/54466	—
H01L 2223/54473	—
H01L 2223/5448	—
H01L 2223/54486	—
H01L 2223/54493	—
H01L 2223/58	—
H01L 2223/64	—
H01L 2223/66	—
H01L 2223/6605	—

CPC Group	IPC Group
H01L 2223/6611	—
H01L 2223/6616	—
H01L 2223/6622	—
H01L 2223/6627	—
H01L 2223/6633	—
H01L 2223/6638	—
H01L 2223/6644	—
H01L 2223/665	—
H01L 2223/6655	—
H01L 2223/6661	—
H01L 2223/6666	—
H01L 2223/6672	—
H01L 2223/6677	—
H01L 2223/6683	—
H01L 2223/6688	—
H01L 2223/6694	—
H01L 2224/00	—
H01L 2224/01	—
H01L 2224/02	—
H01L 2224/0212	—
H01L 2224/02122	—
H01L 2224/02123	—
H01L 2224/02125	—
H01L 2224/02126	—



CPC Group	IPC Group
H01L 2224/0213	—
H01L 2224/02135	—
H01L 2224/0214	—
H01L 2224/02141	—
H01L 2224/02145	—
H01L 2224/0215	—
H01L 2224/02163	—
H01L 2224/02165	—
H01L 2224/02166	—
H01L 2224/0217	—
H01L 2224/02175	—
H01L 2224/0218	—
H01L 2224/02181	—
H01L 2224/02185	—
H01L 2224/0219	—
H01L 2224/022	—
H01L 2224/02205	—
H01L 2224/02206	—
H01L 2224/0221	—
H01L 2224/02215	—
H01L 2224/02233	—
H01L 2224/02235	—
H01L 2224/0224	—
H01L 2224/02245	—

CPC Group	IPC Group
H01L 2224/0225	—
H01L 2224/02251	—
H01L 2224/02255	—
H01L 2224/0226	—
H01L 2224/023	—
H01L 2224/0231	—
H01L 2224/02311	—
H01L 2224/02313	—
H01L 2224/02315	—
H01L 2224/02317	—
H01L 2224/02319	—
H01L 2224/02321	—
H01L 2224/0233	—
H01L 2224/02331	—
H01L 2224/02333	—
H01L 2224/02335	—
H01L 2224/0235	—
H01L 2224/02351	—
H01L 2224/0236	—
H01L 2224/0237	—
H01L 2224/02371	—
H01L 2224/02372	—
H01L 2224/02373	—
H01L 2224/02375	—

CPC Group	IPC Group
H01L 2224/02377	—
H01L 2224/02379	—
H01L 2224/02381	—
H01L 2224/0239	—
H01L 2224/024	—
H01L 2224/03	—
H01L 2224/03001	—
H01L 2224/03002	—
H01L 2224/03003	—
H01L 2224/03005	—
H01L 2224/03009	—
H01L 2224/03011	—
H01L 2224/03013	—
H01L 2224/03015	—
H01L 2224/03019	—
H01L 2224/031	—
H01L 2224/0311	—
H01L 2224/0312	—
H01L 2224/033	—
H01L 2224/0331	—
H01L 2224/03312	—
H01L 2224/03318	—
H01L 2224/0332	—
H01L 2224/0333	—

CPC Group	IPC Group
H01L 2224/03332	—
H01L 2224/03334	—
H01L 2224/034	—
H01L 2224/0341	—
H01L 2224/03416	—
H01L 2224/03418	—
H01L 2224/0342	—
H01L 2224/03422	—
H01L 2224/03424	—
H01L 2224/03426	—
H01L 2224/03428	—
H01L 2224/0343	—
H01L 2224/03436	—
H01L 2224/03438	—
H01L 2224/0344	—
H01L 2224/03442	—
H01L 2224/03444	—
H01L 2224/0345	—
H01L 2224/03452	—
H01L 2224/0346	—
H01L 2224/03462	—
H01L 2224/03464	—
H01L 2224/03466	—
H01L 2224/0347	—

CPC Group	IPC Group
H01L 2224/03472	—
H01L 2224/03474	—
H01L 2224/0348	—
H01L 2224/035	—
H01L 2224/03502	—
H01L 2224/03505	—
H01L 2224/0351	—
H01L 2224/03515	—
H01L 2224/0352	—
H01L 2224/03522	—
H01L 2224/03524	—
H01L 2224/0355	—
H01L 2224/03552	—
H01L 2224/03554	—
H01L 2224/036	—
H01L 2224/03602	—
H01L 2224/0361	—
H01L 2224/03612	—
H01L 2224/03614	—
H01L 2224/03616	—
H01L 2224/03618	—
H01L 2224/0362	—
H01L 2224/03622	—
H01L 2224/0363	—

CPC Group	IPC Group
H01L 2224/03632	—
H01L 2224/037	—
H01L 2224/038	—
H01L 2224/0381	—
H01L 2224/0382	—
H01L 2224/03821	—
H01L 2224/03822	—
H01L 2224/03823	—
H01L 2224/03824	—
H01L 2224/03825	—
H01L 2224/03826	—
H01L 2224/03827	—
H01L 2224/03828	—
H01L 2224/03829	—
H01L 2224/0383	—
H01L 2224/03831	—
H01L 2224/0384	—
H01L 2224/03845	—
H01L 2224/03848	—
H01L 2224/03849	—
H01L 2224/039	—
H01L 2224/03901	—
H01L 2224/03902	—
H01L 2224/03903	—

CPC Group	IPC Group
H01L 2224/03906	—
H01L 2224/0391	—
H01L 2224/03912	—
H01L 2224/03914	—
H01L 2224/03916	—
H01L 2224/0392	—
H01L 2224/03921	—
H01L 2224/04	—
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H01L 2224/04026	—
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H01L 2224/04042	—
H01L 2224/0405	—
H01L 2224/04073	—
H01L 2224/04105	—
H01L 2224/05	—
H01L 2224/05001	—
H01L 2224/05005	—
H01L 2224/05006	—
H01L 2224/05007	—
H01L 2224/05008	—
H01L 2224/05009	—
H01L 2224/0501	—
H01L 2224/05011	—

CPC Group	IPC Group
H01L 2224/05012	—
H01L 2224/05013	—
H01L 2224/05014	—
H01L 2224/05015	—
H01L 2224/05016	—
H01L 2224/05017	—
H01L 2224/05018	—
H01L 2224/05019	—
H01L 2224/0502	—
H01L 2224/05022	—
H01L 2224/05023	—
H01L 2224/05024	—
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H01L 2224/05026	—
H01L 2224/05027	—
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H01L 2224/05082	—
H01L 2224/05083	—
H01L 2224/05084	—
H01L 2224/05085	—



CPC Group	IPC Group
H01L 2224/05086	—
H01L 2224/05087	—
H01L 2224/05088	—
H01L 2224/05089	—
H01L 2224/0509	—
H01L 2224/05091	—
H01L 2224/05092	—
H01L 2224/05093	—
H01L 2224/05094	—
H01L 2224/05095	—
H01L 2224/05096	—
H01L 2224/05097	—
H01L 2224/05098	—
H01L 2224/05099	—
H01L 2224/051	—
H01L 2224/05101	—
H01L 2224/05105	—
H01L 2224/05109	—
H01L 2224/05111	—
H01L 2224/05113	—
H01L 2224/05114	—
H01L 2224/05116	—
H01L 2224/05117	—
H01L 2224/05118	—

CPC Group	IPC Group
H01L 2224/0512	—
H01L 2224/05123	—
H01L 2224/05124	—
H01L 2224/05138	—
H01L 2224/05139	—
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H01L 2224/05147	—
H01L 2224/05149	—
H01L 2224/05155	—
H01L 2224/05157	—
H01L 2224/0516	—
H01L 2224/05163	—
H01L 2224/05164	—
H01L 2224/05166	—
H01L 2224/05169	—
H01L 2224/0517	—
H01L 2224/05171	—
H01L 2224/05172	—
H01L 2224/05173	—
H01L 2224/05176	—
H01L 2224/05178	—
H01L 2224/05179	—
H01L 2224/0518	—
H01L 2224/05181	—

CPC Group	IPC Group
H01L 2224/05183	—
H01L 2224/05184	—
H01L 2224/05186	—
H01L 2224/05187	—
H01L 2224/05188	—
H01L 2224/0519	—
H01L 2224/05191	—
H01L 2224/05193	—
H01L 2224/05194	—
H01L 2224/05195	—
H01L 2224/05198	—
H01L 2224/05199	—
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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H01L 2224/13495	—
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CPC Group	IPC Group
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H01L 2224/13599	—
H01L 2224/136	—
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CPC Group	IPC Group
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H01L 2224/13609	—
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CPC Group	IPC Group
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H01L 2224/13699	—
H01L 2224/137	—
H01L 2224/13701	—
H01L 2224/13705	—
H01L 2224/13709	—

CPC Group	IPC Group
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H01L 2224/13769	—
H01L 2224/1377	—
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H01L 2224/13772	—

CPC Group	IPC Group
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H01L 2224/13809	—
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H01L 2224/13813	—

CPC Group	IPC Group
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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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CPC Group	IPC Group
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CPC Group	IPC Group
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H01L 2224/16054	—
H01L 2224/16055	—
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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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H01L 2224/16268	—
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H01L 2224/17132	—

CPC Group	IPC Group
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H01L 2224/17163	—
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H01L 2224/17165	—
H01L 2224/17166	—
H01L 2224/17177	—
H01L 2224/17179	—

CPC Group	IPC Group
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H01L 2224/175	—
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H01L 2224/22	—
H01L 2224/2201	—
H01L 2224/2205	—
H01L 2224/221	—
H01L 2224/224	—
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CPC Group	IPC Group
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H01L 2224/24175	—
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H01L 2224/24221	—

CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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CPC Group	IPC Group
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H01L 2224/4501	—

CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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H01L 2224/45609	—
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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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H01L 2224/45778	—
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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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H01L 2224/45918	—
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CPC Group	IPC Group
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H01L 2224/45981	—
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CPC Group	IPC Group
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H01L 2224/48096	—
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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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CPC Group	IPC Group
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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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H01L 2224/48778	—
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CPC Group	IPC Group
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CPC Group	IPC Group
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H01L 2224/48886	—

CPC Group	IPC Group
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H01L 2224/49097	—



CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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H01L 2224/759	—
H01L 2224/75901	—
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CPC Group	IPC Group
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H01L 2224/76152	—
H01L 2224/76155	—
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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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CPC Group	IPC Group
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H01L 2224/76753	—
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CPC Group	IPC Group
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H01L 2224/76985	—

CPC Group	IPC Group
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H01L 2224/76987	—
H01L 2224/76988	—
H01L 2224/77	—
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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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H01L 2224/77701	—
H01L 2224/77702	—

CPC Group	IPC Group
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H01L 2224/77704	—
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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CPC Group	IPC Group
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CPC Group	IPC Group
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H01L 2224/79701	—
H01L 2224/79702	—

CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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CPC Group	IPC Group
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CPC Group	IPC Group
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H01L 2224/82939	—

CPC Group	IPC Group
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H01L 2224/8303	—
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CPC Group	IPC Group
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H01L 2224/83098	—
H01L 2224/83099	—
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CPC Group	IPC Group
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H01L 2224/83104	—
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H01L 2224/8316	—
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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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CPC Group	IPC Group
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H01L 2224/8352	—
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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CPC Group	IPC Group
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H01L 2224/84053	—
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CPC Group	IPC Group
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H01L 2224/8413	—
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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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H01L 2224/84478	—
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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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CPC Group	IPC Group
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H01L 2224/84681	—
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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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H01L 2224/84868	—

CPC Group	IPC Group
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CPC Group	IPC Group
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CPC Group	IPC Group
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H01L 2224/85096	—
H01L 2224/85097	—
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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CPC Group	IPC Group
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H01L 2224/85764	—
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H01L 2224/85769	—



CPC Group	IPC Group
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H01L 2224/85801	—
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CPC Group	IPC Group
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CPC Group	IPC Group
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H01L 2224/85951	—
H01L 2224/85986	—
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CPC Group	IPC Group
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H01L 2224/86097	—
H01L 2224/86098	—
H01L 2224/86099	—

CPC Group	IPC Group
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H01L 2224/86205	—

CPC Group	IPC Group
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H01L 2224/86399	—
H01L 2224/868	—
H01L 2224/86801	—

CPC Group	IPC Group
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H01L 2224/86896	—
H01L 2224/86897	—

CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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H01L 2924/05091	—
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H01L 2924/05094	—

CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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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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CPC Group	IPC Group
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H01L 2924/1679	—
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H01L 2924/16793	—
H01L 2924/16798	—
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CPC Group	IPC Group
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H01L 2924/1715	—
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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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H01L 2924/2021	—
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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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H01L 2924/365	—
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CPC Group	IPC Group
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CPC Group	IPC Group
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