

**CONCORDANCE - United States to International Patent Classification**

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
<b>U.S. CLASS 57--Con.</b>														
244	D 02 G	3 / 36	315-318	D 01 H	5 / 28	39.12	F 02 B	43 / 00	203.1	F 03 H	1 / 00	247	F 02 K	5 / 02
246-247	D 02 G	3 / 36	315	D 01 H	13 / 04		F 02 G	3 / 00		G 21 D			F 02 K	7 / 00
247	D 01 H	13 / 26		D 02 G	3 / 02	39.13	F 02 C	9 / 00		H 05 B		248	F 02 K	5 / 02
249-250	D 02 G	3 / 36	317	D 02 G	3 / 02		F 02 G	3 / 00	204	B 63 H	11 / 00	249	F 02 K	7 / 02
251	D 01 H	13 / 30	319-321	D 01 H	3 / 00	39.15	F 02 C	6 / 00		B 64 G	1 / 40	250-251	F 02 K	9 / 28
	D 02 G	3 / 00	320	A 01 H	5 / 02		F 02 G	1 / 00		B 64 G	99 / 00	252-260	F 02 K	9 / 00
252-258	D 02 G	3 / 02		D 02 G			F 02 G	3 / 00		F 02 K		262	F 02 K	1 / 38
255	D 02 G	3 / 36	322-323	D 01 H	3 / 16	39.162-39.163	F 02 C	1 / 06		F 03 H			F 02 K	1 / 46
257-258	D 02 G	3 / 36	324-325	D 01 H	3 / 12		F 02 C	3 / 10	205	F 23 R			F 02 K	3 / 02
259-260	D 02 G	3 / 00	326	D 01 H	3 / 14		F 02 C	6 / 00		C 06 D	5 / 00	263	F 02 K	3 / 10
261-265	D 01 H	13 / 26	327-328	D 01 H	13 / 26		F 02 G	1 / 00		C 06 D	5 / 06		F 02 K	3 / 12
261	D 01 H	11 / 00		D 01 H	7 / 46		F 02 G	3 / 00		F 02 K		264	F 02 K	3 / 04
	D 01 H	13 / 04		D 01 H	7 / 92	39.17	F 02 C	1 / 06		F 23 R		265	F 02 K	9 / 97
	D 02 G	15 / 00		D 02 G			F 02 C	6 / 00	206	C 06 D	5 / 00		F 02 K	
262	D 01 H	9 / 10	327	D 01 G	15 / 00	39.181-39.183	F 02 C	6 / 00		F 02 K	9 / 64	266-267	F 02 K	99 / 00
263	D 01 H	4 / 50		D 01 G	15 / 68		F 02 G	1 / 00		F 02 K		268-269	F 02 K	3 / 00
	D 02 G		328-331	D 01 H	5 / 00		F 02 G	3 / 00		F 23 R		272	F 01 N	1 / 00
264-265	D 01 H	7 / 46	328	D 01 H	1 / 115	39.19	F 02 C	1 / 00	207	C 06 D	5 / 00		F 01 N	
	D 01 H	7 / 92		D 01 H	5 / 28		F 02 G	1 / 00		F 02 K	9 / 72	273	F 01 N	
	D 01 H	9 / 10	331-349	D 01 H	7 / 46		F 02 G	3 / 00		F 02 K			F 02 B	27 / 04
264	D 02 G	3 / 02		D 01 H	7 / 92	39.21-39.22	F 02 C	9 / 00		F 23 R		274-277	F 01 N	3 / 00
265-269	D 01 H	9 / 00	331	D 01 H	13 / 26		F 02 G	3 / 00	208	C 06 D	5 / 00	278-279	F 02 M	25 / 06
265	D 01 H	11 / 00	332-349	D 01 H	1 / 24	39.23	F 02 C	7 / 057		C 10 L	1 / 04	280	F 01 N	5 / 04
266	D 02 G			D 02 G	1 / 00		F 02 C	9 / 00		F 02 K		281	F 01 N	5 / 00
268-272	D 01 H	9 / 10	350-351	D 01 H	13 / 26		F 02 G	3 / 00	209	F 23 R		282-298	F 01 N	3 / 00
269	D 02 G			D 02 G	3 / 02	39.24-39.3	F 02 C	9 / 00		C 10 L	1 / 04	299-308	F 01 N	3 / 10
273-279	D 01 H	9 / 00	352-353	D 01 H	13 / 00		F 02 G	3 / 00		F 02 K		309	F 01 N	3 / 02
273	D 01 H	9 / 14	352-361	B 65 H	57 / 00	39.34	F 02 C	3 / 14	210	C 06 D	5 / 00	310	F 01 N	3 / 04
276-278	D 01 H	9 / 14		D 01 H	1 / 00		F 02 C	5 / 02		F 02 C	3 / 30	311	F 01 N	3 / 02
276	D 01 H	5 / 28		D 01 H	1 / 42	39.35	F 02 C	3 / 14		F 02 K		312-314	F 02 B	27 / 02
279-280	D 02 G	3 / 02		D 01 H	7 / 18	39.37	F 02 C	3 / 00	211	C 06 B	43 / 00	315-316	F 02 B	35 / 00
279	D 01 H	13 / 14		D 02 G	1 / 02	39.38	F 02 C	5 / 02		C 06 D	5 / 00	317-318	F 01 N	3 / 02
	D 01 H	5 / 28		D 02 G	1 / 08	39.39	F 02 C	5 / 12		F 02 K		319	F 01 N	5 / 04
280	D 01 H	13 / 04	355-361	D 01 H	13 / 00	39.4	F 02 C	5 / 02		F 23 R		320	F 01 N	3 / 02
	D 01 H	5 / 00		D 02 G	3 / 02	39.41	F 02 C	7 / 00	212	C 06 D	5 / 00	321	F 01 N	3 / 02
	D 01 H	7 / 46	400-417	D 01 H	4 / 00	39.42	F 02 C	3 / 00		F 02 K	9 / 95	322-324	F 01 N	1 / 00
	D 01 H	7 / 92					F 02 C	5 / 00		F 02 K		325-329	F 16 D	31 / 00
281-291	D 01 H	13 / 26				39.43	F 02 C	3 / 04	213	C 06 C	9 / 00		F 16 D	33 / 00
281	D 01 H	9 / 00				39.44	F 02 C	3 / 00		C 06 D	5 / 00		F 16 D	37 / 00
	D 02 G						F 02 C	5 / 00		F 02 K			F 16 D	39 / 00
282-290	D 02 G	3 / 02				39.45	F 02 C	3 / 02	214-215	C 06 B	43 / 00	330-331	F 16 D	33 / 00
282	D 01 H	13 / 30					F 02 G	1 / 00		C 06 D	5 / 00	332	F 16 D	33 / 02
283	D 01 H	7 / 00	1	B 21 L	11 / 00		F 02 G	3 / 00	216	C 06 B	27 / 00	333-346	F 16 D	33 / 00
284	D 01 H	13 / 04	2	B 21 L	11 / 12	39.461-39.463	F 02 C	3 / 20		C 06 D	5 / 00	347-350	F 16 D	33 / 02
	D 01 H	5 / 00	3	B 21 L	5 / 02	39.464	F 02 C	3 / 26		C 06 D	5 / 00	351	F 16 D	33 / 14
	D 01 H	7 / 46	4	B 21 L	9 / 02	39.465	F 02 C	3 / 22		F 02 K		352-356	F 16 D	33 / 02
	D 01 H	7 / 92	5-6	B 21 L	9 / 00	39.47	F 02 C	3 / 26	217	C 06 B	43 / 00	357-360	F 16 D	33 / 06
286	D 01 H	13 / 20	7	B 21 L	9 / 06	39.48	F 02 C	3 / 30		C 06 D	5 / 00	361-367	F 16 D	33 / 00
	D 02 G	3 / 36	8	B 21 L	9 / 00		F 02 G	1 / 00		F 02 K		368	F 16 D	31 / 00
288	D 01 H	7 / 46	9	B 21 L	13 / 00		F 02 G	3 / 00		F 23 R			F 16 D	35 / 00
	D 01 H	7 / 92	10-12	B 21 L	5 / 00	39.49-39.5	F 02 C	7 / 08	218	C 06 D	5 / 04		F 16 D	37 / 00
290	D 01 H	7 / 46	13-15	B 21 L	11 / 02		F 02 G	1 / 00		F 02 K			F 16 D	39 / 00
	D 01 H	7 / 92	16-26	B 21 L	7 / 00		F 02 G	3 / 00	219	F 23 R		369-486	F 16 D	31 / 02
292-293	D 02 G	3 / 02	27	B 21 L	1 / 02	39.511	F 02 C	7 / 10		C 06 B	45 / 10	487-493	F 16 D	39 / 00
	D 02 G	3 / 36		B 21 L	11 / 02		F 02 G	1 / 00		C 06 D	5 / 00	494	F 16 D	31 / 02
292	D 01 H	13 / 30		B 21 L	9 / 04	39.512	F 02 G	1 / 055		F 02 K		495-496	F 03 B	17 / 02
293-296	D 01 H	13 / 26	28	B 21 L	1 / 04		F 02 G	1 / 057		F 23 R			F 03 C	
293	D 01 H	5 / 00	29	B 21 L	15 / 00	39.52	F 02 C	7 / 08	220	C 06 D	5 / 00	497-499	F 03 B	13 / 18
	D 01 H	7 / 46	30	B 21 L	3 / 04		F 02 G	1 / 00		C 06 D	5 / 10		F 03 C	
	D 01 H	7 / 92	31-34	B 21 L	3 / 02		F 02 G	3 / 00		F 02 K		500	F 03 B	13 / 20
294-298	D 01 H	13 / 30		B 21 L	9 / 08	39.53-39.59	F 02 C	7 / 00		F 23 R			F 03 C	
294	D 02 G		35.1	B 21 L	3 / 00		F 02 G	1 / 00	221	B 63 H	11 / 00	501-502	F 03 B	13 / 18
	H 01 B	13 / 02		B 21 L	5 / 00		F 02 G	3 / 00	222	B 63 H	25 / 46		F 03 C	
295-297	D 02 G	3 / 02		B 21 L	99 / 00	39.6-39.62	F 02 C	5 / 00	223	F 02 K	9 / 38	503	F 03 B	13 / 26
295-298	D 02 G	3 / 36	36-62	B 21 K	15 / 02		F 02 G	1 / 00		F 02 K			F 03 C	
299	D 01 H	1 / 38	59-61	D 06 B			F 02 G	3 / 00	224	F 02 K	3 / 00	504-507	F 03 B	13 / 18
	D 02 G		59	B 21 J	19 / 04	39.63	F 02 C	3 / 00		F 02 K	7 / 00		F 03 C	
300-307	D 01 H	11 / 00	63-64	B 21 H	7 / 12		F 02 G	1 / 00		F 02 K	9 / 00	508	F 01 B	
303-306	D 01 H	13 / 26	65	B 21 K	15 / 02		F 02 G	3 / 00		F 02 K	99 / 00		F 01 C	
303	D 01 H	1 / 38	66-69	B 21 K	15 / 04	39.64-39.76	F 02 C	5 / 00	225	F 02 K	9 / 00		F 02 B	
	D 01 H	9 / 14	70	B 21 K	15 / 00		F 02 G	1 / 00		F 02 K	99 / 00		F 02 G	1 / 04
	D 02 G		71-77	B 21 G	7 / 02		F 02 G	3 / 00	226.1-226.3	F 02 K	3 / 02	509	F 01 K	3 / 00
305	D 01 H	5 / 28	76	B 21 F	45 / 24	39.77-39.8	F 02 G	1 / 00	227	B 63 H	11 / 12		F 01 K	5 / 00
306	D 01 H	9 / 00		D 06 B			F 02 G	3 / 00		F 02 K	9 / 50		F 01 K	7 / 00
	D 01 H	9 / 14		F 16 G	13 / 00	39.81	F 02 C	9 / 00		F 02 K		510	F 02 B	3 / 00
308-309	D 01 H	13 / 26	78-83	F 16 G	13 / 06		F 02 G	1 / 00	228	F 02 K	1 / 00		F 02 G	1 / 00
	D 01 H	13 / 30	84-92	F 16 G	13 / 08		F 02 G	3 / 00		F 02 K	1 / 54	511	F 01 K	21 / 04
	D 01 H	5 / 28	93	F 16 G	15 / 00	39.821-39.826	F 02 C	7 / 264	229-230	F 02 K	1 / 00	512-513	F 01 B	29 / 00
308-310	D 02 G	3 / 02	95	F 16 G	13 / 10		F 02 G	1 / 055	231	F 02 K	1 / 00	514	F 01 K	21 / 02
309	D 02 G	3 / 36					F 02 G	3 / 00		F 02 K	1 / 28		F 01 K	
	D 07 B	1 / 06				39.827	F 02 C	7 / 266	232	F 02 K	1 / 00	515	F 01 K	7 / 00
3														