

CONCORDANCE - United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. CLASS 334--Con.																	
88-89	H 03 J	1/00	148-150	H 01 H	53/015	73	H 01 F	27/28	98	H 01 H	71/00	277	H 01 H	85/40			
89	H 03 J	3/00	151-154	H 01 H	1/66	75-79	H 01 F	21/04	99-101	H 01 H	71/22	278	H 01 H	85/38			
	H 03 J	5/00		H 01 H	51/00	82-83	H 01 F	27/02	100-101	H 01 H	71/16	279	H 01 H	85/44			
			155-156	H 01 H	7/16	84C-84R	H 01 F	27/36	102-107	H 01 H	63/00	280	H 01 H	85/38			
				H 01 H	75/00	84C	G 01 V	3/10		H 01 H	71/00	281	H 01 H	85/42			
				H 01 H	77/00		H 01 F	27/32	108-109	H 01 H	71/16	282	H 01 H	85/38			
			157-159	H 01 H	9/00	84M-84R	H 01 F	38/30	108	H 01 H	61/017	283	H 01 H	85/04			
			157	H 01 H	3/60	84M	H 01 F	38/12		H 01 H	61/02	284	H 01 H	85/26			
			160-161	H 01 H	9/20	84R	H 01 F	27/32	109-112	H 01 H	61/00	285-288	H 01 H	85/28			
			162-163	H 01 H	9/00	87	H 01 F	21/10	109	H 01 H	1/02	289	H 01 H	85/26			
			164-171	H 01 H	9/20	90-98	H 01 F	27/02		H 01 H	1/06	290-293	H 01 H	85/04			
			172-184	H 01 H	9/00	100	H 01 F	27/00	110	H 01 H	71/00	294-295	H 01 H				
			185-187	H 01 H	3/00	105	H 01 F	17/00		H 01 H	9/30	294	H 01 H	85/26			
			188	H 01 H	5/00	107	H 01 F	27/04	111-112	H 01 H	71/16	295	H 01 H	85/10			
			189-192	H 01 H	3/00	110	H 01 F	21/00	112	H 01 H	45/02	296-297	H 01 H	85/04			
			193	H 01 H	3/60	115-117	H 01 F	21/04		H 01 H	71/02	298	H 01 H	37/00			
			194-195	H 01 H	3/00	118-120	H 01 F	21/06	113	H 01 H	61/01	299-300	H 01 H	37/02			
			196	H 01 H	1/00	121-129	H 01 F	21/04		H 01 H	71/08	301	H 01 H	37/62			
			197	H 01 H	1/48	130-136	H 01 F	21/06	114-115	H 01 H	61/00	302-303	H 01 H	37/02			
				H 01 H	1/50	137	H 01 F	21/00	114-122	H 01 H	87/00	304-305	H 01 H	37/12			
				H 01 H	1/00	138	H 01 F	21/02		H 01 H	37/36	306-314	H 01 H	37/36			
				H 01 H	1/06	139-141	H 01 F	29/06		H 01 H	61/06	312-315	H 01 H	37/74			
				H 01 H	1/12	142-144	H 01 F	29/02		H 01 H	61/00	315	H 01 H	37/44			
				H 01 H	9/30	145-148	H 01 F	21/02		H 01 H	61/02	316-319	H 01 H	37/36			
				H 01 H	13/04	149	H 01 F	29/06		H 01 H	61/00	318	H 01 H	37/60			
				H 01 H	9/02	150	H 01 F	21/12		H 01 H	71/18	319	H 01 H	37/12			
			203-208	H 01 H	9/00	155-165	H 01 F	21/08		H 01 H	71/22	320-321	H 01 H	37/38			
			208	H 01 H	37/00	170-171	H 01 F	27/28		H 01 H	61/06	322	H 01 H	37/42			
			209-211	H 01 F	7/00	172	H 01 F	17/04		H 01 H	81/02	322	H 01 H	37/42			
			209	H 01 F	1/00	173-174	H 01 F	38/20		H 01 H	61/00	323-332	H 01 H	37/36			
			211	H 01 F	3/12	175-176	H 01 F	17/06		H 01 H	71/18	323	H 01 H	37/12			
			212	H 01 F	1/00	177	H 01 F	17/00		H 01 H	61/06	324	H 01 H	37/14			
			213-214	H 01 H	1/00	178	H 01 F	17/06		H 01 H	81/00	325	H 01 H	37/74			
				H 01 H	5/00	179	H 01 F	27/08		H 01 H	71/18	329	H 01 H	37/64			
				H 01 H	83/00	180	H 01 F	27/28		H 01 H	61/02	330	H 01 H	37/12			
				H 01 H	81/00	181	H 01 F	27/34		H 01 H	85/00	331	H 01 H	37/64			
				H 01 H	85/00	182-184	H 01 F	27/28		H 01 H	71/20	332	H 01 H	37/08			
			31	H 01 H	73/22	185	H 01 F	27/30		H 01 H	73/22	333-341	H 01 H	37/52			
				H 01 H	75/08	186-191	H 01 F	27/28		H 01 H	73/22	341	H 01 H	37/62			
				H 01 H	77/04	192	H 01 F	27/29		H 01 H	73/22	342-348	H 01 H	37/74			
				H 01 H	81/02	195	H 01 F	27/28		H 01 H	73/24	344	H 01 H	37/66			
			32-34	H 01 H	75/02	196-199	H 01 F	27/30		H 01 H	85/04	346	H 01 H	37/62			
				H 01 H	77/02	200	H 01 F	5/00		H 01 H	85/12	347	H 01 H	37/12			
				H 01 H	221	205-209	H 01 F	27/30		H 01 H	71/20	348	H 01 H	37/70			
			32-37	H 01 H	81/00	210	H 01 F	27/26		H 01 H	85/04	349-356	H 01 H	37/52			
				H 01 H	83/00	211-219	H 01 F	27/24		H 01 H	71/10	349	H 01 H	37/12			
				H 01 H	77/00	220	H 01 F	27/28		H 01 H	71/20	356	H 01 H	37/74			
				H 01 H	83/00	221	H 01 F	17/04		H 01 H	71/08	357-358	H 01 H	37/00			
				H 01 H	81/04	222-232	H 01 F	27/28		H 01 H	85/02	359-364	H 01 H	37/52			
				H 01 H	75/08	233-234	H 01 F	27/24		H 01 H	85/20	359	H 01 H	37/74			
			43-45	H 01 H	77/04					H 01 H	85/46	360-361	H 01 H	37/12			
				H 01 H	77/04					H 01 H	85/36	365-368	H 01 H	37/54			
				H 01 H	81/02					H 01 H	85/46	366	H 01 H	37/66			
				H 01 H	75/00					H 01 H	39/00	367	H 01 H	37/70			
				H 01 H	77/00					H 01 H	85/30	368	H 01 H	37/12			
				H 01 H	83/00					H 01 H	85/02	369-381	H 01 H	37/52			
			47-58	H 01 H	29/00					H 01 H	85/48	372	H 01 H	37/04			
				H 01 H	1/00					H 01 H	85/22	373	H 01 H	37/64			
				H 01 H	1/08					H 01 H	85/54	374	H 01 H	37/02			
				H 01 H	7/00					H 01 H	85/50	375	H 01 H	37/18			
				H 01 H	43/00					H 01 H	85/60	376	H 01 H	37/08			
				H 01 H	43/02					H 01 H	85/52	377	H 01 H	37/14			
				H 01 H	7/03					H 01 H	85/62	378	H 01 H	37/10			
				H 01 H	7/02					H 01 H	71/20	380-381	H 01 H	37/04			
				H 01 H	7/08					H 01 H	73/22	382-389	H 01 H	37/46			
				H 01 H	7/14					H 01 H	85/02	384-389	H 01 H	37/74			
				H 01 H	43/08					H 01 H	85/46	390-391	H 01 H	37/00			
				H 01 H	282					H 01 H	85/00	392-393	H 01 H	37/46			
				H 01 H	5/00					H 01 H	85/24	392	H 01 H	37/12			
				H 01 F	7/20					H 01 H	85/143	394	H 01 H	37/48			
				H 01 F	7/00					H 01 H	85/165	395	H 01 H	37/50			
				H 01 F	13/00					H 01 H	85/26	396-400	H 01 H	37/46			
				H 01 F	7/02					H 01 H	85/143	398	H 01 H	37/04			
				H 01 F	7/04					H 01 H	85/143	399-400	H 01 H	37/64			
				H 01 F	3/00					H 01 H	85/00	401-416	H 01 H	37/76			
				H 01 F	1/00					H 01 H	85/36	413	H 01 H	37/64			
				H 01 F	7/00					H 01 H	85/30	417	H 01 H	37/02			
				H 01 F	5/00					H 01 H	85/30						
				H 01 F	7/00					H 01 H	85/143						
				H 01 F	7/02					H 01 H	85/143						
				H 01 F	3/00					H 01 H	85/165						
				H 01 F	3/00					H 01 H	85/143						
				H 01 F	7/00					H 01 H	85/165						
				H 01 F	7/02					H 01 H	85/165						
				H 01 F	3/00					H 01 H	85/143						
				H 01 F	7/00					H 01 H	85/165						

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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
U.S. CLASS 338--Con.														
32H	H 01 L	43 / 04	283-293	H 01 C	7 / 22		G 06 F	7 / 04		G 06 K	19 / 00		G 08 C	19 / 00
	H 01 L	43 / 06	293	H 01 C	3 / 12		G 06 K	19 / 00		G 08 B	29 / 00		H 04 B	1 / 00
	H 03 K	17 / 97	294	H 01 C	3 / 10		G 08 B	29 / 00		G 08 C	19 / 00		H 04 B	3 / 00
32R	H 01 L	43 / 00	295	H 01 C	7 / 22		G 08 C	19 / 00		H 04 B	1 / 00		H 04 L	9 / 32
32S	G 11 C	11 / 44	296	H 01 C	13 / 00		H 04 B	1 / 00		H 04 B	3 / 00		H 04 Q	1 / 00
	H 01 L	39 / 18	297-305	H 01 C	7 / 22		H 04 B	3 / 00		H 04 L	9 / 32		H 04 Q	9 / 00
	H 01 L	39 / 20	297	H 01 C	3 / 14		H 04 L	9 / 14		H 04 Q	1 / 00	5.86	G 05 B	19 / 00
33	H 01 C	10 / 14	298	H 01 C	3 / 16		H 04 L	9 / 32		H 04 Q	9 / 00		G 05 B	23 / 00
34-35	H 01 C	7 / 00	299-300	H 01 C	3 / 14		H 04 Q	1 / 00	5.61-5.63	G 05 B	19 / 00		G 06 F	7 / 00
36-47	H 01 C	10 / 10	301	H 01 C	3 / 18		H 04 Q	9 / 00		G 05 B	23 / 00		G 06 F	7 / 04
48	H 01 C	10 / 16	302-303	H 01 C	3 / 20	5.3-5.31	G 05 B	19 / 00		G 06 F	7 / 00		G 06 K	5 / 00
	H 01 C	13 / 02	304-305	H 01 C	3 / 14		G 05 B	23 / 00		G 06 F	7 / 04		G 07 D	7 / 00
49	H 01 C	7 / 00	306-314	H 01 C	1 / 012		G 06 F	7 / 00		G 06 K	19 / 00		G 07 F	7 / 12
50	H 01 C	13 / 00	315	H 01 C	1 / 01		G 06 F	7 / 04		G 08 B	29 / 00		G 08 B	29 / 00
51-54	H 01 C	1 / 08	316	H 01 C	10 / 16		G 06 K	19 / 00		G 08 C	19 / 00		G 08 C	19 / 00
55-56	H 01 C	1 / 082	317	H 01 C	1 / 01		G 08 B	13 / 00		H 04 B	1 / 00		H 04 B	1 / 00
57-59	H 01 C	1 / 08	318-319	H 01 C	10 / 14		G 08 B	19 / 00		H 04 B	1 / 38		H 04 B	3 / 00
60-63	H 01 C	10 / 00	320	H 01 C	1 / 01		G 08 B	21 / 00		H 04 B	3 / 00		H 04 Q	1 / 00
	H 01 C	3 / 02	321	H 01 C	1 / 00		G 08 B	23 / 00		H 04 Q	1 / 00		H 04 Q	9 / 00
64-65	H 01 C	7 / 00	322-326	H 01 C	1 / 14		G 08 B	25 / 00		H 04 Q	9 / 00	5.9-5.92	G 05 B	19 / 00
66	H 01 C	1 / 06	327	H 01 C	1 / 142		G 08 B	29 / 00	5.64-5.67	G 05 B	19 / 00		G 05 B	23 / 00
	H 01 C	10 / 00	328	H 01 C	1 / 14		G 08 C	19 / 00		G 05 B	23 / 00		G 06 F	7 / 00
	H 01 C	7 / 00	329	H 01 C	1 / 144		H 04 B	1 / 00		G 06 F	7 / 00		G 08 B	29 / 00
67	H 01 C	13 / 00	330	H 01 C	1 / 14		H 04 B	3 / 00		G 06 F	7 / 04		G 08 C	19 / 00
68-70	H 01 C	10 / 00	331	H 01 C	1 / 146		H 04 L	9 / 14		G 06 K	19 / 00		H 04 B	1 / 00
71	H 01 C	10 / 10	332	H 01 C	1 / 148		H 04 L	9 / 32		G 08 B	29 / 00		H 04 B	3 / 00
72	H 01 C	10 / 00	333	H 01 C	10 / 00		H 04 Q	1 / 00		G 08 C	19 / 00		H 04 Q	1 / 00
73	H 01 C	10 / 42		H 01 C	3 / 00		H 04 Q	9 / 00		H 04 B	1 / 00		H 04 Q	9 / 00
74	H 01 C	10 / 38		H 01 C	7 / 00	5.32-5.33	G 05 B	19 / 00		H 04 B	1 / 02	6.1-6.11	G 08 B	25 / 00
75-79	H 01 C	10 / 00	334	H 01 C	13 / 00		G 05 B	23 / 00		H 04 B	3 / 00		G 08 B	5 / 22
80-86	H 01 C	10 / 02					G 06 F	7 / 00		H 04 Q	1 / 00	6.12-6.17	H 04 L	12 / 28
87-88	H 01 C	10 / 00					G 06 F	7 / 04		H 04 Q	9 / 00		H 04 M	11 / 02
89-91	H 01 C	10 / 04					G 06 K	19 / 00	5.7-5.73	B 60 R	25 / 00	7.1-7.63	G 08 B	5 / 22
92-97	H 01 C	10 / 06					G 05 B	13 / 00		G 05 B	19 / 00		H 04 Q	1 / 30
98-115	H 01 C	10 / 10					G 08 B	19 / 00		G 05 B	23 / 00	8.1	G 08 B	25 / 00
99-114	H 01 C	10 / 12	1.1	G 06 F	13 / 42		G 08 B	21 / 00		G 06 F	7 / 00		G 08 B	5 / 22
116	H 01 C	10 / 14	2.1	G 06 F	9 / 32		G 08 B	23 / 00		G 06 F	7 / 04	9.1-9.16	H 02 J	13 / 00
117-121	H 01 C	10 / 30		H 03 K	17 / 00		G 08 B	25 / 00		G 08 B	29 / 00	9.17	H 04 Q	3 / 00
122-124	H 01 C	10 / 18		H 04 Q			G 08 B	29 / 00		G 08 C	19 / 00	10.1-10.6	H 04 Q	5 / 22
125-134	H 01 C	10 / 16	2.2-2.21	H 03 K	17 / 00		G 08 B	5 / 00		H 04 B	1 / 00	11.1	G 07 C	9 / 00
135-137	H 01 C	10 / 00		H 04 Q	3 / 00		G 08 C	19 / 00		H 04 B	3 / 00	12.1-12.21	G 08 C	19 / 16
138-142	H 01 C	10 / 22		H 04 Q			H 04 B	1 / 00		H 04 Q	1 / 00	12.22-12.55	G 05 B	11 / 01
143-149	H 01 C	10 / 24	2.22	H 03 K	17 / 00		H 04 B	3 / 00		H 04 Q	9 / 00		G 08 C	19 / 16
150-152	H 01 C	10 / 26		H 04 Q	3 / 68		H 04 L	9 / 14	5.74	G 05 B	19 / 00	13.1-13.36	G 08 C	19 / 12
153-155	H 01 C	10 / 00		H 04 Q			H 04 L	9 / 32		G 05 B	23 / 00	13.37-13.38	G 08 C	19 / 02
156	H 01 C	1 / 125	2.23	H 03 K	17 / 00		H 04 Q	1 / 00		G 06 F	7 / 00	14.1	H 03 K	17 / 62
157-158	H 01 C	10 / 28		H 04 L	12 / 56		H 04 Q	9 / 00		G 06 F	7 / 04		H 03 M	
159	H 01 C	10 / 00		H 04 Q		5.4-5.42	G 05 B	19 / 00		G 08 B	29 / 00	14.2	A 23 J	1 / 16
160-161	H 01 C	10 / 30	2.24	H 03 K	17 / 00		G 05 B	23 / 00		G 08 C	19 / 00		H 03 M	
162-171	H 01 C	10 / 32		H 04 Q	3 / 00		G 06 F	19 / 00		H 04 B	1 / 00	14.3	G 05 B	19 / 08
172-173	H 01 C	10 / 36		H 04 Q			G 06 F	7 / 00		H 04 B	3 / 00		H 03 M	
174-175	H 01 C	10 / 34	2.25-2.26	H 03 K	17 / 00		G 06 K	19 / 00		H 04 L	9 / 32	14.31	G 11 C	8 / 12
176-179	H 01 C	10 / 38		H 04 Q	3 / 52		G 08 B	13 / 00		H 04 Q	1 / 00		H 03 M	
180-181	H 01 C	10 / 40		H 04 Q			G 08 B	19 / 00		H 04 Q	9 / 00	14.4	G 11 C	19 / 00
	H 01 C	10 / 42	2.27-2.28	H 03 K	17 / 00		G 08 B	21 / 00	5.8-5.82	G 05 B	19 / 00		H 03 M	
182	H 01 C	10 / 38		H 04 Q	3 / 00		G 08 B	23 / 00		G 05 B	23 / 00	14.5	H 03 K	3 / 286
183	H 01 C	10 / 44		H 04 Q			G 08 B	25 / 00		G 06 F	7 / 00		H 03 M	
184	H 01 C	1 / 02	2.29	H 03 K	17 / 00		G 08 B	29 / 00		G 06 F	7 / 04	14.6	G 05 B	19 / 045
	H 01 C	10 / 00		H 04 Q	3 / 52		G 08 B	5 / 00		G 08 B	29 / 00		H 03 M	
185-189	H 01 C	10 / 46		H 04 Q			G 08 C	19 / 00		G 08 C	19 / 00	14.61-14.62	H 03 K	17 / 62
190-193	H 01 C	10 / 48	2.31	H 03 K	17 / 00		H 04 B	1 / 00		H 04 B	1 / 00		H 03 M	
194	H 01 C	10 / 46		H 04 Q	3 / 00		H 04 B	3 / 00		H 04 B	3 / 00	14.63	H 03 K	17 / 693
195-197	H 01 C	10 / 00		H 04 Q			H 04 L	9 / 14		H 04 Q	1 / 00		H 03 M	
198	H 01 C	10 / 50	2.4	G 06 K	7 / 10		H 04 L	9 / 32		H 04 Q	9 / 00	14.64	H 03 K	19 / 018
199	H 01 C	10 / 00		H 03 K	17 / 00		H 04 Q	1 / 00	5.83	G 05 B	19 / 00		H 03 M	
200-201	H 01 C	10 / 50		H 04 Q			H 04 Q	9 / 00		G 05 B	23 / 00	14.65-14.66	H 03 K	17 / 62
202	H 01 C	1 / 12	2.5-2.71	H 03 K	17 / 00	5.5-5.52	G 05 B	19 / 00		G 06 F	7 / 00		H 03 M	
203	H 01 C	7 / 00		H 04 Q	3 / 00		G 05 B	23 / 00		G 06 F	7 / 04	14.67	H 03 K	3 / 33
204-205	H 01 C	7 / 18		H 04 Q			G 06 F	7 / 00		G 06 T	1 / 00		H 03 M	
206-209	H 01 C	3 / 00	2.8	G 06 F	11 / 20		G 06 F	7 / 04		G 06 T	7 / 00	14.68	G 05 B	19 / 08
210-214	H 01 C	3 / 06		H 03 K	17 / 00		G 06 K	19 / 00		G 08 B	29 / 00		H 03 M	
	H 01 C	7 / 00		H 04 Q			G 08 B	29 / 00		G 08 C	19 / 00	14.69	H 03 M	
215-216	H 01 C	13 / 00	2.81	H 01 H	67 / 00		G 08 C	19 / 00		H 04 B	1 / 00		H 04 Q	3 / 00
217-218	H 01 C	3 / 08	2.9	H 04 L	1 / 00		H 04 B	1 / 00		H 04 B	3 / 00	15.1	G 11 C	7 / 00
219-221	H 01 C	13 / 00	3.1-3.9	G 05 B	23 / 02		H 04 B	3 / 00		H 04 Q	1 / 00	16.1	G 08 B	25 / 00
222	H 01 C	10 / 02		G 09 B	21 / 00		H 04 Q	1 / 00		H 04 Q	9 / 00	146.2	G 05 B	1 / 00
	H 01 C	11 / 00		H 04 L	7 / 00		H 04 Q	9 / 00	5.84	G 05 B	19 / 00		G 06 F	7 / 02
223-225	H 01 C	8 / 00		G 05 B	19 / 02	5.53	G 05 B	19 / 00		G 05 B	23 / 00	286.01	G 08 B	
226-231	H 01 C	1 / 02		H 04 B	1 / 20		G 05 B	23 / 00		G 06 F	7 / 00		G 09 F	25 / 00
232-233	H 01 C	1 / 022		H 04 L	12 / 18		G 06 F	7 / 00		G 06 F	7 / 04	286.02	G 08 B	9 / 00
234-236	H 01 C	1 / 026		G 08 B	5 / 22		G 06 F	7 / 04		G 08 B	29 / 00	286.03	G 08 B	13 / 02
237	H 01 C													