

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
U.S. CLASS 30--Con.														
121	B 26 B	23/00	346.51	B 26 B	19/04		B 67 B	7/90	1CF	G 01 B	3/20	23.01-23.05	B 43 L	13/10
121.5	A 47 J	17/02	346.52-346.61	B 26 B	21/54	406	B 67 B	7/46		G 01 B	5/02	23.06	B 43 L	13/12
122	B 25 F	3/00	347-352	B 26 B	9/00		B 67 B	7/88	1D	B 23 Q	16/02	23.07-25.5	B 43 L	13/10
	B 26 B	11/00	353	B 26 B	19/04	407	B 67 B	7/46		B 23 Q	17/22	26-27.01	B 43 L	11/00
123-123.3	B 25 F	3/00		B 26 B	9/00		B 67 B	7/86		G 01 D	13/10		B 43 L	9/00
	B 26 B	1/00	355-357	B 26 B	9/02	408	B 67 B	7/46	1DD	G 01 C	1/00	27.02	B 43 L	9/02
	B 26 B	11/00	358-368	B 26 F	1/00		B 67 B	7/78	1E	E 21 B	47/00	27.03-27.033	B 43 L	9/04
	B 26 B	3/00	369	B 23 D	49/00	409	B 67 B	7/46	1F	B 26 B	29/00	27.04-27.07	B 43 L	9/00
123.4	B 23 D	59/04		B 27 B	19/09		B 67 B	7/84		G 01 B	3/00	27.08	B 43 L	11/02
	B 23 Q	11/12		B 27 B	3/28	410	B 67 B	7/46	1G	B 05 C	17/06	27.09	B 43 L	11/06
	B 26 B	7/00		B 27 B	33/20	411	B 67 B	7/46		G 01 B	3/00	27.1	B 43 L	9/00
123.5-123.7	A 22 B	5/16		B 27 B	5/29		B 67 B	7/80	1H	G 01 C	15/00	27.11	B 43 L	11/00
	B 26 B	11/00		B 27 B	9/00	412-415	B 67 B	7/46	1HH	G 01 G	1/16	27.12	B 23 Q	35/00
124-136.5	B 25 F	3/00	370	B 23 D	47/02		B 67 B	7/78		G 01 V	1/28		B 43 L	13/10
	B 26 B	1/00		B 23 D	51/02	416-427	B 67 B	7/46		G 01 V	15/00	28-29	B 43 L	11/00
	B 26 B	11/00		B 23 D	51/04		B 67 B	7/70	1K	B 43 L	13/00		B 43 L	9/00
	B 26 B	3/00		B 23 D	59/00	428	B 67 B	7/46	1L	G 01 B	11/00	30.1	B 43 L	11/00
137	A 47 J	43/28		B 27 B	3/28		B 67 B	7/68		G 01 B	9/00	30.2-31	B 43 L	11/04
	B 25 F	3/00		B 27 B	9/00	429-432	B 67 B	7/46	1LE	G 01 C	15/00	32.1-33	B 43 L	13/00
	B 26 B	1/00	371	B 23 B	29/00		B 67 B	7/62	1M	B 23 Q	1/62	34-39.2	B 41 G	3/00
	B 26 B	11/00		B 23 D	47/02	433-434	B 67 B	7/46		G 01 B	5/004		B 43 K	27/08
138-140	B 26 B	3/00		B 23 D	51/02	435-442	B 67 B	7/46		G 01 B	7/004		B 43 L	13/00
	B 25 F	3/00		B 23 D	51/04		B 67 B	7/54	1MP	G 01 B	5/14	40	B 43 L	13/24
	B 26 B	1/00		B 23 D	59/00	443-450	B 67 B	7/46		G 01 C	3/10	41.1-43	B 43 L	13/02
	B 26 B	11/00		B 27 B	21/08		B 67 B	7/48	1N	G 01 B	3/56	44	B 43 K	27/00
	B 26 B	3/00	372	B 23 B	27/08	451-454	B 43 L	23/00		G 01 B	5/24	45	B 41 G	3/00
141	A 47 J	43/28		B 23 D	47/02	455-456	B 43 L	23/06	1P	G 01 B	17/00		B 43 K	27/08
142-146	B 25 F	3/00		B 23 D	51/02	457-461	B 43 L	23/00	1PT	G 01 B	5/24	121-122	G 01 B	11/28
	B 26 B	1/00		B 23 D	51/04	462	B 43 L	23/06		G 01 B	7/30		G 01 B	13/20
	B 26 B	11/00		B 23 D	59/00	475-477	B 27 C	1/10	1Q	B 43 L	13/20		G 01 B	21/28
	B 26 B	3/00		B 27 B	19/14	478-480	B 27 G	17/02		B 61 K	9/08		G 01 B	5/26
147-150	A 47 J	43/28	373	B 23 D	47/02	481	B 27 G	23/00		E 01 B	35/00	123	G 01 B	7/32
151-164	B 26 B	3/06		B 23 D	51/02	482-483	B 27 G	17/02	1R	B 43 L	13/20	124	G 01 B	11/28
	F 41 B	13/02		B 23 D	51/04	484-486	B 27 F	1/00		B 43 L	5/00		G 01 B	13/20
	F 41 C	27/18		B 23 D	59/00	487-490	B 27 G	17/02		G 01 B	3/14		G 01 B	21/28
164.5-164.8	B 02 C	18/00		B 27 B	19/14	491	B 25 G	3/00		G 01 B	5/24		G 01 B	5/26
	F 25 C	5/16		B 27 B	9/04	492-493	B 27 G	17/02		G 01 C	21/20	193	G 01 B	3/14
164.9	B 26 B	3/00	374	B 23 D	47/02	494	B 27 L	9/00		G 01 V	1/30	194	E 04 F	21/00
	B 41 C	1/04		B 23 D	51/02	495	B 27 F	1/10		G 06 G			E 06 B	3/00
	B 41 C	1/055		B 23 D	59/00	500	B 23 B	51/00		G 09 B	29/10	195	A 01 L	11/00
164.95	B 26 B	3/00		B 27 B	19/14		B 25 B	21/00	1S	B 27 G	21/00	196	B 24 B	53/00
165	B 26 B	3/00		B 27 B	21/08	501-504	B 27 B	21/00	1SA	G 01 B	5/00		G 01 B	3/22
	B 26 B	3/00		B 27 B	9/04	505	B 27 B	21/08		G 01 C	21/02	197	B 27 G	17/08
166.3	B 23 D	45/00	375-377	B 23 D	47/02	506	B 27 B	21/02		G 01 C	21/20		E 05 B	17/06
	B 27 B	19/09		B 23 D	51/02	507-509	B 27 B	21/00	1SB	G 06 G	1/00	199B	G 01 B	5/00
	B 27 B	23/00		B 23 D	59/00	510	B 23 D	51/03	1SC	G 01 C	21/00	199R	G 01 B	3/00
	B 27 B	33/20		B 27 B	19/14		B 27 B	21/00	1SD	G 01 C	21/20		G 01 B	5/16
	B 27 B	5/29		B 27 B	21/08	511	B 27 B	21/00		G 06 G	1/00		G 01 B	5/20
167-167.2	B 25 D	3/00		B 27 B	9/02	512	B 23 D	51/03	1SP	G 06 G	1/00	200	A 61 B	3/10
168-172	B 26 B	3/00	378	B 23 D	47/04		B 27 B	21/00	1T	G 01 C	1/00	201	G 01 B	5/20
173-174	B 26 B	13/00		B 23 D	51/04	513	B 27 B	21/06	1V	G 01 F	17/00	202	B 23 D	63/00
	B 26 B	15/00		B 27 B	21/00	514-516	B 27 B	21/00	2A	A 41 H	1/00		G 01 B	5/20
	B 26 B	17/00		B 27 B	25/10	517	B 23 D	51/01		D 06 H	3/00	203	G 01 B	5/20
175-193	B 26 B	17/00	379-379.5	B 23 D	45/00		B 27 B	21/00		D 06 H	3/16		G 01 B	5/24
194	B 26 B	13/00		B 27 B	19/14	518	B 23 D	49/11	2H	A 41 H	1/00	203.1	G 04 D	7/08
	B 26 B	19/00		B 27 B	9/00		B 27 B	21/00	2R	A 41 H	1/00	203.11	B 61 K	9/12
195	B 26 B	19/22	380	B 23 D	53/00	519-525	B 27 B	21/00		A 42 C	3/06		G 01 B	3/14
196-204	B 26 B	19/00		B 23 D	55/00	526	B 26 B	21/00	3A-3C	A 43 D	1/00	203.12-203.21	G 01 B	11/26
205-207	B 26 B	19/14		B 27 B	13/00	527	B 26 B	21/00	3R	A 43 D	1/02		G 01 B	13/18
208-222	B 26 B	19/02		B 27 B	15/00		B 26 B	21/52		A 43 D	1/04		G 01 B	21/22
	B 26 B	19/12	381	B 23 D	57/02	528	B 26 B	21/00		A 61 B	5/107		G 01 B	5/24
223-225	B 26 B	19/00		B 27 B	17/00	529	B 26 B	21/00	4	A 43 D	1/00		G 01 B	7/30
226-227	B 26 B	13/00	382	B 23 D	57/02		B 26 B	21/52	5	A 43 D	8/28	227	G 01 C	15/00
228	B 26 B	15/00		B 23 D	59/00	530	B 26 B	21/00	6	A 43 D	1/00		G 01 C	
229-263	B 26 B	13/00		B 27 B	17/00	531	B 26 B	21/00	7	A 41 H	1/00	228	F 41 G	
264	B 26 B	15/00	383	B 23 D	57/02		B 26 B	21/52		A 41 H	21/00		G 01 B	11/275
265	B 26 B	13/00		B 23 D	59/00	532-534	B 26 B	21/00		A 41 H	23/00	229-231	F 41 G	3/24
266	B 26 B	13/28		B 27 B	17/02	535	A 45 D	27/28	8	A 41 H	1/04	232	G 01 C	21/00
267-271	B 26 B	13/00	384-385	B 23 D	57/02		B 26 B	21/00	9A	A 41 H	23/00		G 01 C	23/00
272.1-277	B 26 B	7/00		B 23 D	59/00	536	B 26 B	21/00		A 41 H	9/02	262	G 01 C	1/08
277.4	B 26 B	15/00		B 27 B	17/00	537	B 26 B	21/40	9R	A 41 H	1/04		G 01 C	15/00
278	A 01 D	1/00		B 27 B	17/04	538	B 26 B	21/40		A 41 H	23/00		G 01 C	21/00
	B 26 B	13/00	386	B 23 D	57/02		B 26 B	21/50	10	A 41 H	1/00		G 01 C	3/00
	B 26 B	3/00		B 23 D	59/00	539-540	B 26 B	21/40		A 41 H	21/00		G 01 C	5/00
279.2-279.6	A 01 D	1/00		B 27 B	17/00	541	A 45 D	27/00	11	A 41 H	1/00		G 01 C	9/00
	B 26 B	13/00	387	B 23 D	57/02		B 26 B	21/40		A 42 C	3/06	263	A 63 B	69/36
280-283	B 26 B	3/00		B 27 B	17/02		B 26 B	21/44	12-14	A 41 H	3/00		G 01 C	
284-288	B 26 B	29/00	388	B 23 D	45/16				15	A 41 H	1/02	264	B 60 D	1/36
289	B 26 B	29/00	389	B 23 D	45/16					A 41 H	1/10		G 01 C	
	B 26 B	29/06		B 23 D	47/12					A 41 H	3/04	265	F 41 G	1/00
290-295	B 26 B	29/00		B 27 B	9/00				16	A 41 H	1/00	266	G 01 B	13/02
296.1-298.4	B 26 B	27/00	390-391	B 23 D	45/16					A 4				

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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 33--Con.														
275G	G 01 C	19/38		G 01 C	9/22	501.2-501.4	G 01 B	3/00	643-649	G 01 D	21/00			
275R	G 01 C	1/04	368-376	G 01 C	9/00	501.45	G 01 B	3/50	650	A 43 D	8/26			
	G 01 C	23/00	377-378	G 01 C	9/20	501.5-501.6	G 01 B	3/00	651	G 01 D	21/00			
	G 01 C	3/00	379	G 01 C	9/24	501.7-501.9	G 01 B	3/50	651.1	E 01 B	29/04			
	G 01 C	5/00	380	G 01 C	9/30	502	G 01 B	1/00	652-658	G 01 D	21/00			
276-280	G 01 C	3/00	381-383	G 01 C	9/24	503	G 01 B	5/004	659	G 04 D	7/00	58-59	F 26 B	17/24
281-285	G 01 C	1/00	384-388	G 01 C	9/28	504-505	G 01 B	7/28	660-661	G 01 D	21/00		F 26 B	17/30
	G 01 C	1/02	389	G 01 C	9/24				662	A 41 H	25/00		F 26 B	19/00
	G 01 C	15/10	390	G 01 C	9/36	506-511	G 01 B	1/00	663-665	B 43 L	9/08	60-71	F 26 B	21/06
286	G 01 C	15/00	391	G 01 C	9/12	512	A 61 B	1/00		B 43 L	9/12	72-84	F 26 B	19/00
287	E 01 B	29/04	392-394	G 01 C	15/10		A 61 B	5/103	666-679	B 25 H	7/00	85-91	F 26 B	19/00
288	G 01 B	5/00	395	G 01 C	9/16		A 61 B	5/117	679.1	E 01 B	3/00	92	F 26 B	13/30
289	G 01 C	15/00	396	G 01 C	9/12		G 01 B	1/00		E 01 B	3/34	93-94	F 26 B	19/00
290-292	G 01 C	5/00	397	G 01 C	9/14	513-514	A 61 C	19/04	700	A 45 B	3/08	95	F 26 B	13/26
293	G 01 C	15/02	398-400	G 01 C	9/12		G 01 B	1/00		B 01 D		95.1-95.2	B 43 L	17/04
	G 01 C	15/06	401	G 01 C	9/04	514.1-514.2	A 61 B	5/00		B 26 D	7/28	95.3	B 43 L	17/08
294	G 01 C	15/06	402	G 01 C	9/12		G 01 B	3/34		G 01 B		95.4	B 43 L	17/08
295	G 01 C	15/08	403	B 43 L	7/00	515	A 61 B	5/103		G 01 D	5/347	96-98	A 45 D	20/12
296	G 01 C	15/00	404-410	B 43 L	13/00		A 61 B	5/117	701	A 45 B	3/08		A 45 D	
297-298	F 41 G	1/38		G 01 C	15/10		G 01 B	1/00		B 01 D		99	A 45 D	20/18
	F 41 G	1/42	411	B 43 L	7/00	516-519	G 01 B	1/00		B 26 D	7/28	100	A 45 D	20/22
299	F 41 G		412	G 01 B	13/18	520	G 01 D	21/00		G 01 B	3/10		A 45 D	
	G 01 C	1/02	413	G 01 B	5/24	521-522	E 01 C	23/01	702	G 01 B		101	A 45 D	1/04
300	E 21 B	47/022		B 43 L	7/00	523	G 01 B	1/00		A 45 B	3/08		A 45 D	
	G 01 C		414	B 44 D	3/00	523.1-523.2	G 01 B	5/28		B 01 D		102-107	F 26 B	25/00
301	G 01 C	17/00	415-417	B 44 D	3/38		B 61 K	9/08		B 26 D	7/28	108-142	D 06 F	58/00
	G 01 C	19/00	418-426	B 43 L	7/10	524	E 01 B	29/04	703	G 01 B	5/00		F 26 B	11/02
	G 01 C	9/00		B 43 L	13/00	525	G 01 B	1/00		G 01 B		143-146	F 26 B	9/04
302	E 21 B	47/02	427-429	B 43 L	7/10	526-530	G 01 B	1/00		A 45 B	3/08	147	F 26 B	15/26
303	G 01 C	17/38		B 43 L	13/00	531-532	G 01 B	5/24		B 01 D		164	F 26 B	9/00
	G 01 C	19/04	430-431	B 43 L	7/00	532	G 01 B	1/00		B 26 D	7/28	165-178	F 26 B	17/12
	G 01 C	9/26		A 47 B	27/00	533	G 01 B	21/22	704	G 01 B	3/00	179-183	F 26 B	11/12
304-314	E 21 B	47/022		A 47 B	85/02	534-538	G 01 B	3/56		A 45 B	3/08	184-188	F 26 B	11/00
315	E 21 B	47/06		B 43 L	11/00	539-541	G 01 B	5/25		B 01 D		189-190	F 26 B	11/18
316	G 01 C	19/36		B 43 L	13/00	542	G 01 B	5/25		B 26 D	7/28		F 26 B	13/10
317D	G 01 C	17/38		B 43 L	5/00	542.1	G 01 B	3/56		B 26 D	7/28		F 26 B	15/20
	G 01 C	19/36		B 43 L	7/00	543	G 01 B	1/00	705-707	G 01 B	5/00	191	F 26 B	21/06
	G 01 C	19/36		B 43 L	9/00	543.1	G 01 B	3/00		G 01 B		192-200	F 26 B	11/18
317R	G 01 C	19/36	432-434	B 43 L	13/14	544	G 01 B	5/00		A 45 B	3/08		F 26 B	11/22
	G 01 C	19/38	435	B 43 L	13/00	544.1	G 01 B	5/00		B 01 D		201-235	F 26 B	25/18
	G 05 D	3/12	436	G 01 B	3/00	544.2	G 01 B	3/00	708	B 26 D	7/28		F 26 B	19/00
318	G 01 C	19/00	437	B 43 L	7/08	544.3-544.4	G 01 B	5/00		B 01 D		236	F 26 B	25/06
319	G 01 C	17/18	438-442	B 43 L	13/02	545	G 01 B	1/00		A 45 B	3/08		F 26 B	19/00
320-323	G 01 C	19/00	443-446	A 47 B	27/00	546-547	G 01 B	1/00		B 01 D		237-238	F 26 B	25/00
324-327	G 01 C	19/38		B 43 L	13/00		G 01 B	5/00		B 26 D	7/28		F 26 B	25/10
328-330	G 01 C	19/00		B 43 L	13/24	548	G 01 B	3/00		G 01 B	7/00		F 26 B	25/18
331	G 01 D	1/00		B 43 L	5/00	549-550	G 01 B	1/00	709	G 01 B	3/08	239	A 01 F	25/12
332	G 01 B	21/00	447-450	B 43 L	13/02		G 01 B	1/00		A 45 B	3/08		D 06 C	
333	B 23 B	49/00		B 43 L	13/24	551	G 01 B	3/00		B 01 D			F 26 B	25/00
	B 23 Q	17/00	451	B 43 L	7/00	552-555	G 01 B	5/00		B 26 D	7/28		F 26 B	25/18
	B 60 K	35/00		G 01 C	9/00	555.1	G 01 B	3/14	710-711	B 26 D	7/28	240	A 01 F	25/12
	B 60 K	37/00	452-467	B 43 L	13/00	555.2	G 01 B	3/14		G 01 B	3/18		F 26 B	25/20
334	B 23 B	45/14		B 43 L	7/10	555.3	G 01 B	3/14		G 01 B		241	F 26 B	9/10
	B 25 B	29/00	468	B 43 L	13/00	555.4	G 01 B	3/00		A 45 B	3/08	242	F 26 B	21/12
	F 41 C	27/00		B 43 L	7/10	556-558	G 01 B	5/20		B 01 D		245-279	F 26 B	25/00
	G 03 B	17/06		B 43 L	7/12	559-561	G 01 B	3/00		B 23 Q	17/28	280-281	F 26 B	3/34
335-337	G 01 B	13/18	469	B 43 L	13/00	561.1-561.3	G 01 B	5/00	712	B 26 D	7/00	282	D 06 M	11/00
	G 01 B	21/22		B 43 L	7/10	562-563	G 01 B	1/00		G 01 B	3/08	283	F 26 B	5/06
338	E 01 B	35/02	470	B 43 L	13/00	564-565	G 01 B	3/00		A 45 B	3/08	284-305	A 45 D	20/00
339	G 01 C	9/00		B 43 L	7/10	566	G 01 B	5/00		B 01 D		306-311	F 26 B	5/06
340-343	G 01 B	21/00		B 43 L	7/14	567	B 43 L	7/00		B 26 D	7/28	312-328	F 26 B	7/00
344-346	G 01 C	17/00	471-473	B 43 L	13/00	567.1	B 25 H	7/00		G 01 B	5/02	329-358	F 26 B	3/00
	G 01 C	9/00		B 43 L	7/10	568-570	G 01 B	3/30	713-721	E 21 B	47/04	359-375	F 26 B	3/08
347	G 01 C	17/18	474	B 43 L	13/00	571	G 01 B	3/30		G 01 B	3/02	376-396	F 26 B	7/00
	G 01 C	9/02		B 43 L	7/00	572-573	G 01 B	3/34		G 01 B	5/18	397-401	F 26 B	5/14
	G 01 C	9/28		B 43 L	7/027	574-579	G 01 B	5/00	722-731	G 01 B	3/00	402-417	F 26 B	5/04
348-348.2	G 01 C	17/20	475-481	B 43 L	13/00	580-613	G 01 D	21/00		G 01 F	23/04	418-442	F 26 B	7/00
	G 01 C	9/32		B 43 L	7/00	614-622	B 41 B	11/00	732-733	B 65 H	61/00	443-518	F 26 B	3/00
349	G 01 C	17/14	482	B 43 L	13/00	623	G 01 D	21/00		G 01 B	3/00	519-522	F 26 B	3/32
	G 01 C	9/00		B 43 L	7/00	624-625	G 01 C	7/02	734-749	G 01 B	3/12	523-524	F 26 B	13/10
350	G 01 C	17/18		B 43 L	7/033	626-642	B 23 G	49/00		G 01 B	5/04		F 26 B	21/00
	G 01 C	9/08	483	B 43 L	12/00		G 01 B	5/00		G 01 B	5/04	525	F 26 B	19/00
351	G 01 C	9/00		B 43 L	7/00		G 01 B	5/20	750-754	G 01 B	5/04	526-534	F 26 B	13/10
352	G 01 C	17/00		G 01 C	3/04		G 01 B	3/14		G 01 B	3/10		F 26 B	19/00
353	G 01 C	9/00		G 01 C	3/10		B 43 L	13/20	755-771	G 01 B	3/12		F 26 B	13/10
354	G 01 C	17/00	484-494	B 43 L	7/00		B 43 L	7/00	772-782	G 01 B	7/04		F 26 B	19/00
	G 01 C	9/00		G 01 C	3/04		B 25 H	7/00	783-784	G 01 B	5/00	535-547	F 26 B	21/06
355D	G 01 C	17/00		G 01 C	3/10		G 01 B	3/30	785-786	G 01 B	13/00	548-556	F 26 B	19/00
355R	G 01 C	17/00	495-500	B 43 L	7/10		B 25 H	7/02	787-790	G 01 B	5/30	557	F 26 B	21/08
	G 01 C	17/04	501	G 01 B	3/00		G 01 B	3/30		G 01 B	7/16	558-559	F 26 B	21/06
	G 01 C	17/30	501.01	B 65 H	61/00		B 23 Q	16/00</						