

CONCORDANCE - United States to International Patent Classification

U.S.		IPC		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
U.S. CLASS 297--Con.															
411.46	B 60 N	2 / 46	22A	B 60 P	1 / 16	64-68	E 21 C	35 / 02	42-43	B 60 B	39 / 00		B 60 T	8 / 00	
423.1-423.15	A 47 C	7 / 50	22AE	B 60 P	1 / 16		E 21 C	47 / 04	43-51	B 60 B	15 / 02	36	B 60 T	15 / 52	
423.16	A 47 C	16 / 04	22B	B 60 P	1 / 20	69-70	E 21 B	1 / 12	45-53	B 60 B	15 / 00	37	B 60 T	15 / 30	
423.17-423.38	A 47 C	20 / 00	22C	B 60 P	1 / 16	71-78	E 21 C	25 / 00		B 60 B	39 / 00		B 60 T	15 / 44	
423.39-423.46	A 47 C	7 / 50	22D	B 60 P	1 / 20	79.1	E 21 C	25 / 10	53.5	B 60 B	15 / 28	38	B 60 T	15 / 42	
440.1-440.24	A 47 C	16 / 00	22F	B 60 P	1 / 22	80.1	E 21 C	25 / 10	54	B 60 B	1 / 00	39	B 60 T	11 / 26	
445.1-451.1	A 47 C	7 / 00	22J	B 60 P	1 / 20	81.1-81.3	E 21 C	25 / 14		B 60 B	23 / 00		B 60 T	13 / 14	
451.11-451.13	A 47 C	1 / 12	22P	B 60 P	1 / 16	82.1	E 21 C	25 / 10		B 60 B	3 / 00	40	B 60 T	15 / 02	
	A 47 C	5 / 12	22R	B 60 P	1 / 16	83.1	E 21 C	25 / 10	55-61	B 60 B	1 / 02	41	B 60 T	11 / 28	
	A 47 C	1 / 12		B 60 P	1 / 20	84.1	E 21 C	25 / 10	56-61	B 60 B	21 / 06	42-43	B 60 T	17 / 18	
451.2-451.8	A 47 C	5 / 02	23A-23B	B 60 P	1 / 28	85.1-85.2	E 21 C	25 / 10	62	B 60 B	1 / 00	42	B 60 T	13 / 40	
451.9	A 47 C	7 / 02	23C	B 60 P	1 / 26	87.1	E 21 C	25 / 10		B 60 B	1 / 06		B 60 T	13 / 52	
452.1-452.65	A 47 C	25 / 00		B 60 P	7 / 02	95-111	E 21 C	25 / 10		B 60 B	3 / 00	44	B 60 T	15 / 18	
461-462	A 47 C	9 / 00	23D	B 60 P	1 / 26	95	B 60 R	21 / 02	63.101-63.109	B 60 B	3 / 10	45	B 60 T	15 / 36	
	A 47 B	97 / 00	23DF	B 60 P	1 / 26			25 / 10	64.101-64.102	B 60 B	3 / 10	46	B 60 T	13 / 00	
463.1	A 47 C	31 / 00	23F-23M	B 60 P	1 / 26				64.201-64.203	B 60 B	3 / 10	47	B 60 T	15 / 46	
463.2	A 47 B	97 / 00	23MD	B 60 P	1 / 26				64.301-64.307	B 60 B	3 / 10		B 61 H	13 / 00	
	A 47 C	15 / 00	23R	B 60 P	1 / 00				64.5	B 60 B	3 / 00	48	B 60 T	11 / 00	
	A 60 N	2 / 44		B 61 D	9 / 00				64.6	B 60 B	5 / 00	49	B 60 T	11 / 10	
	A 47 C	31 / 00		B 65 G	67 / 32				64.701-64.707	B 60 B	5 / 02	50	B 60 T	15 / 04	
464	A 47 C	15 / 00	23S	B 60 P	1 / 26				65-85	B 60 B	1 / 06	51	B 60 T	15 / 16	
	A 47 D	21 / 00	23TT	B 60 P	1 / 04				65	B 60 B	3 / 06		B 60 T	17 / 20	
465-485	A 47 C	31 / 00	24-26	B 61 D	7 / 00				67-72	B 60 B	21 / 06	52	B 60 T	15 / 06	
	A 47 D	15 / 00		B 60 P	1 / 00				73-78	B 60 B	3 / 00	53	B 60 T	13 / 00	
	A 62 B	35 / 00	27-34	B 60 P	1 / 04				74-78	B 60 B	21 / 06	54	B 60 T	15 / 12	
	B 60 R	21 / 00		B 61 D	7 / 00				79	B 60 B	3 / 00	55	B 60 T	15 / 08	
486-488	A 47 C	31 / 00	35M	B 60 P	1 / 04				80-85	B 60 B	21 / 06	56	B 60 T	15 / 04	
	A 47 D	15 / 00		B 60 P	1 / 56				80-94	B 60 B	3 / 00		B 60 T		
	B 60 R	21 / 00		B 61 D	7 / 00				86-94	B 60 B	1 / 00	57	B 60 T	15 / 00	
		7 / 00			7 / 00						19 / 00	58	B 60 T	15 / 56	
		1 / 56			7 / 24						5 / 00	59	B 60 T	13 / 18	
		7 / 00			1 / 04						21 / 00	60	B 60 T	11 / 34	
		1 / 04			1 / 04						25 / 00	61	B 60 T	15 / 36	
		1 / 56			7 / 00						21 / 00	62	B 60 T	15 / 58	
		1 / 00			13-17						25 / 00	63	B 60 T	15 / 00	
		1 / 00			16						1 / 00		B 60 T	13 / 00	
					18						5 / 00	64	B 60 T	7 / 12	
					19						9 / 26	65	B 60 T	15 / 38	
					20						27 / 00	66	B 60 T	15 / 56	
					21						23 / 00	67	B 60 T	17 / 06	
					12						27 / 02		B 60 T	11 / 28	
					13-17						27 / 06		B 60 T	15 / 00	
					16						37 / 00		B 60 T	15 / 02	
					18						37 / 06		B 60 T	15 / 32	
					19						37 / 00		B 60 T	15 / 50	
					20						23 / 04		B 60 T	15 / 50	
					21						23 / 00		B 60 T	13 / 22	
					10-11						19 / 00		B 60 T	15 / 46	
					12						25 / 22		B 60 T	15 / 18	
					13-17						35 / 00		B 60 T	15 / 54	
					16						37 / 00		B 60 T	17 / 16	
					18						35 / 16		B 60 T	15 / 06	
					19								B 60 T	11 / 32	
					20								B 60 T	15 / 18	
					21								B 60 T	17 / 16	
					10-11								B 60 T	13 / 14	
					12								B 60 T	13 / 26	
					13-17								B 60 T	15 / 54	
					16								B 60 T	13 / 14	
					18								B 60 T	13 / 06	
					19								B 60 T	15 / 00	
					20								B 60 T	15 / 50	
					21								B 60 T	11 / 32	
					10-11								B 60 T	15 / 18	
					12								B 60 T	17 / 08	
					13-17								B 60 R	25 / 08	
					16								B 60 T	17 / 16	
					18								B 60 T	15 / 00	
					19								B 60 T	8 / 00	
					20								B 60 T	8 / 52	
					21								B 60 T	8 / 34	
					10-11								B 60 T	8 / 44	
					12								B 60 T	8 / 42	
					13-17								B 60 T	8 / 40	
					16								B 60 T	8 / 38	
					18								B 60 T	8 / 34	
					19								B 60 T	8 / 36	
					20								B 60 T	8 / 32	
					21								B 60 T	8 / 88	
					10-11								B 60 T	7 / 20	
					12								B 60 T	8 / 86	
					13-17								B 60 T	8 / 34	
					16								B 60 T	8 / 58	
					18								B 60 T	8 / 34	
					19								B 60 T	8 / 32	
					20								B 60 T	8 / 24	
					21								B 60 T	8 / 56	
					10-11								B 60 T	8 / 60	
					12								B 60 T	8 / 64	
					13-17								B 60 T	8 / 60	
					16								B 60 T	8 / 66	
					18								B 60 T	8 / 84	
					19								B 60 T		
					20								B 60 T		
					21								B 60 T		
					10-11								B 60 T		
					12								B 60 T		
					13-17								B 60 T		
					16								B 60 T		
					18										

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 303--Con.														
164-169	B 60 T	8 / 66	147	B 60 G	11 / 56	10.3-10.4	H 01 H	27 / 00	95	B 01 D	59 / 40	145	H 01 R	39 / 00
170	B 60 T	8 / 74		F 16 F	5 / 00	10.3-10.5	B 60 R	25 / 04		H 01 B	7 / 28		H 02 G	11 / 00
171-174	B 60 T	8 / 72	149	F 15 B	11 / 18	10.3	E 05 B	17 / 00	96-97	H 01 H	31 / 34	146	H 01 H	9 / 02
175	B 60 T	8 / 68	152	F 16 B	7 / 10	10.4	G 08 B	13 / 00		H 02 J	7 / 22		H 02 J	
176-177	B 60 T	8 / 74		F 16 D	3 / 54	10.5	H 01 H	47 / 00	96-99	H 01 H	47 / 02	147-148	H 02 G	
178	B 60 T	8 / 70		F 16 F	1 / 00	10.6	B 60 R	22 / 00	98-99	G 05 F	1 / 10	147	H 01 B	11 / 02
179-185	B 60 T	8 / 32	153	F 16 H	7 / 08		F 02 P	9 / 00		H 01 H	51 / 34		H 01 B	7 / 30
186-190	B 60 T	8 / 62		F 16 H	7 / 22		H 02 G	3 / 00	99	H 02 J	7 / 18		H 02 B	1 / 20
191-197	B 60 T	8 / 32	154	B 62 D	57 / 00	10.7	H 02 H	7 / 18		H 02 P	9 / 18		H 02 G	5 / 06
198	B 60 T	8 / 18		B 62 M	1 / 00	10.8	B 60 L	1 / 14	100	H 01 H	79 / 00	148	H 02 G	5 / 00
199	B 60 T	8 / 78		F 16 H	7 / 12	11-13	H 02 J	3 / 00		H 02 H		149	H 02 J	
			155	B 60 G	5 / 00	11	H 02 J	1 / 00		H 04 B	3 / 20		H 05 K	7 / 14
			156	B 62 D	5 / 00	12	H 02 J	1 / 08	101	H 01 F	13 / 00	150	H 02 J	7 / 00
			157-158	B 62 D	55 / 205	14	H 02 J	3 / 26		H 01 F	27 / 42		H 02 J	9 / 00
			159-160	B 60 B	15 / 00	15-16	H 02 J	1 / 00		H 02 P	9 / 12	151	G 05 F	3 / 06
				B 62 D	55 / 00	15-17	H 02 J	3 / 00	102	H 02 J	3 / 24		H 02 J	
			159	B 65 G	15 / 44	18-19	H 02 J	3 / 38	103	H 02 J	1 / 00	152-156	H 02 J	
				F 16 G	13 / 02	18-20	H 02 J	7 / 34		H 02 J	3 / 12	152	G 01 R	19 / 12
			161-162	E 02 F	9 / 28	19-20	H 02 J	1 / 10	104	H 01 F	27 / 42	153	H 02 J	3 / 46
			161-164	B 62 D	55 / 205	20	H 02 J	3 / 46		H 01 F	37 / 00		H 02 P	9 / 00
1-5	B 62 D	57 / 02	161	E 21 B	10 / 00	21-22	H 02 J	3 / 02	105	H 01 J	38 / 00	154	G 01 R	1 / 20
4-5	B 60 B	15 / 18	162	B 25 G	3 / 00	21	H 02 J	1 / 12		H 02 M	1 / 12	155	H 02 J	7 / 00
6-7	B 62 D	55 / 00	163	B 21 L	9 / 00	21	H 02 J	3 / 38		H 02 M	1 / 14	156	G 04 C	21 / 28
	B 62 D	55 / 084	164	B 65 G	17 / 06	23-24	H 02 J	1 / 10	106-108	H 03 K	3 / 00	157	H 02 J	9 / 02
8	B 61 F	11 / 00	165-168	B 62 D	55 / 24	23	H 02 J	3 / 38		H 03 K	3 / 64	326	H 02 H	11 / 00
9	B 62 D	55 / 00	165	B 62 D	55 / 00	24	H 02 J	3 / 00	109	H 02 M	3 / 06		H 02 H	
15	B 60 B	19 / 02	166	B 64 C	25 / 00	25-26	H 02 J	1 / 12	110	H 02 M	3 / 18	327	H 02 H	1 / 04
	B 62 D	55 / 04		F 16 G	1 / 00	27	H 02 J	3 / 02	111	H 02 H	1 / 04		H 02 H	3 / 22
	B 62 D	55 / 07	167	F 16 G	5 / 00	27	H 02 J	3 / 02	112-131	H 02 B	1 / 24		H 04 B	1 / 02
	B 62 D	55 / 14	168	B 62 M	27 / 02	28-29	H 02 J	3 / 34	112	B 23 K	11 / 24	328	H 04 B	15 / 02
33-34	B 62 D	55 / 00	169	B 65 G	55 / 12	28-29	H 02 J	1 / 10		H 01 H			F 16 P	3 / 20
34	B 60 B	19 / 06	170-179	B 62 D	55 / 24	28-41	H 02 J	3 / 00		H 01 H		400	H 02 H	
	B 60 C	5 / 00	170	B 65 G	15 / 34	29	H 02 J	3 / 14	113-114	H 02 J	19 / 64	401	G 11 C	13 / 02
	B 62 D	55 / 247	178	F 16 G	1 / 00	30-41	H 02 J	1 / 00		H 01 H	33 / 52	402	H 03 K	17 / 80
40-53	B 62 D	55 / 08	179	B 62 D	55 / 26	31-32	H 02 J	3 / 14		H 01 H	31 / 10	403	H 01 C	11 / 20
59	B 62 D	55 / 08	180	B 65 G	15 / 44	33-35	H 02 P	1 / 04	113-115	H 01 H	33 / 59	404	H 03 K	19 / 162
60-100	B 62 D	55 / 00	181	B 62 D	55 / 26	33	H 02 J	3 / 10		H 01 H	47 / 00	405	H 03 K	17 / 56
60	B 60 B	19 / 00	182	B 62 D	55 / 24	34-35	H 02 J	3 / 14		H 01 H	85 / 46	406	G 11 C	11 / 20
	B 62 D	57 / 00	183	B 62 D	55 / 205	37-41	H 02 J	3 / 14		H 01 H	45 / 00	407-411	H 03 K	13 / 02
100-116	B 60 S	1 / 62	184	B 60 B	15 / 00	42-43	H 02 J			H 01 H	47 / 26	412	H 01 F	27 / 42
	B 62 D	25 / 16		B 62 D	55 / 00	42	H 05 K	1 / 02	115	H 01 H	19 / 14	413	H 03 F	17 / 82
100	F 16 P	1 / 00	185	B 65 G	15 / 30	43-44	H 02 J	1 / 10	116-122	H 01 H	35 / 00	414-418	G 11 C	13 / 02
102	F 16 G	13 / 02	186	B 62 D	55 / 205	44	H 02 J	7 / 34	116	H 01 H	83 / 00	419-421	H 02 M	5 / 10
103-104	F 16 F	1 / 34		F 16 B	7 / 00	45-46	H 02 J	1 / 12	117	H 01 H	37 / 00	422-423	G 11 C	13 / 02
103	B 62 D	55 / 00	187-190	F 16 G	13 / 06	45	H 02 J	3 / 00		H 01 H	47 / 26	424	H 03 F	7 / 04
104	B 62 D	55 / 08	187	B 62 D	55 / 28	46	H 03 K	19 / 00	118	H 01 H	45 / 00	650-652	G 08 B	19 / 00
	E 05 F	1 / 08	188	A 01 B	33 / 00	47	H 02 J	3 / 32	119	H 01 H	35 / 14	650-653	G 01 N	27 / 00
105	B 65 D	53 / 00	189-192	B 60 B	15 / 00	48-50	H 02 J	3 / 32	120	H 01 H	35 / 00	650	G 05 D	27 / 22
	F 16 G	13 / 02	189-192	B 62 D	55 / 26	48-53	H 02 J	7 / 34	121	H 01 H	1 / 24		G 08 B	21 / 00
106	F 16 B	21 / 18	193	B 65 G	37 / 00	50	H 02 J	7 / 36	122	H 01 H	35 / 00		G 08 B	23 / 00
	F 16 J	15 / 50		B 65 G	15 / 60	51-53	H 02 J	1 / 10	125-126	H 01 H	47 / 00	651	G 01 K	7 / 00
107	B 60 B	19 / 02	194	F 16 H	55 / 48	54-59	H 02 J	3 / 00	125	H 01 H	83 / 00		G 05 D	27 / 00
108	B 62 M	27 / 02	195	B 65 D	57 / 00	54	H 02 J	1 / 00		H 02 H	3 / 02		G 08 B	27 / 00
	B 65 G	45 / 00		F 16 H	7 / 06	55-56	H 02 J	1 / 12		H 02 H	3 / 42	652-653	G 08 C	
109	B 60 B	19 / 00	196	B 60 B	37 / 00	57-59	H 02 J	7 / 34		H 02 H	3 / 42	652	G 08 B	13 / 00
	B 60 S	1 / 68	197	B 65 G	15 / 60	60	H 02 J	1 / 10	129	H 01 H	35 / 00	653	G 08 B	21 / 00
111	B 62 M	27 / 02	198	F 16 H	55 / 48	61	H 02 J	3 / 00	130-132	H 01 H	83 / 00		F 23 N	5 / 12
112	B 62 D	55 / 12	199	B 65 D	57 / 00	62	H 02 J	7 / 00	132EA	H 01 H	47 / 00		G 08 B	17 / 00
	F 16 H	7 / 02	199	F 16 H	55 / 06	63-67	H 02 J	7 / 00	132R	H 01 H	47 / 00		G 08 B	
113	B 60 C	11 / 00	200	F 16 H	55 / 30	63	H 02 J	1 / 00	132T	H 01 H	51 / 34		G 08 B	
114	B 60 C	7 / 22	201	F 16 H	7 / 06	64-68	H 02 J	9 / 00	132V	H 01 H	61 / 06		G 08 C	
115	F 16 H	57 / 00	202	B 21 L	3 / 00	68	H 01 F	1 / 00	134	G 06 F	13 / 40		G 08 B	
117-119	B 60 B	19 / 00		E 05 D	7 / 10		H 02 J	7 / 34		H 01 H			G 08 B	
	B 62 D	55 / 00	204	F 16 G	13 / 02		H 02 J	1 / 10	135-138	H 01 H	9 / 30		G 08 B	
	B 62 D	55 / 092		B 21 L	9 / 06		H 02 J	1 / 04	137-138	H 01 H	1 / 50		G 08 B	
118-119	F 01 M	11 / 04		B 25 G	3 / 00		H 02 J	3 / 10		H 01 H	1 / 60		G 08 B	
119	F 16 C	17 / 04		B 25 G	3 / 20		H 02 J	7 / 34		H 01 H	33 / 00		G 08 B	
120-123	B 62 D	55 / 10		F 16 G	13 / 02		H 02 J	1 / 00	139-140	H 01 H	33 / 59		G 08 B	
	B 65 G	23 / 44		B 21 L	9 / 06		H 02 J	3 / 00		H 01 H	47 / 00		H 02 K	
124-147	B 62 D	55 / 14		B 25 G	3 / 00		H 02 J	7 / 00		H 01 H	85 / 46	10	H 02 K	
124	B 62 D	55 / 00		F 16 G	13 / 02		H 02 J	3 / 38		H 01 H	9 / 54	11	H 02 N	3 / 00
125	F 16 H	7 / 12		E 05 D	7 / 10		H 02 J	7 / 34		H 01 H	3 / 00		H 02 K	
127-128	B 62 M	27 / 02		F 16 G	13 / 02		H 02 J	7 / 34		H 01 H	3 / 26		H 02 K	
127	B 62 B	5 / 02		B 21 L	9 / 06		H 02 J	1 / 04		H 01 H	3 / 28		H 02 N	
130-131	B 62 D	55 / 00		B 25 G	3 / 00		H 02 J	3 / 10		H 01 H	43 / 00	12	G 21 D	7 / 02
133-134	B 60 G	5 / 00		F 16 G	13 / 02		H 02 J	7 / 34		H 01 H	7 / 00		H 02 K	
133	B 62 D	55 / 00		F 16 H	7 / 06		H 02 J	1 / 00		H 01 H	33 / 00		H 02 K	
134	F 16 H	7 / 12		E 05 D	7 / 10		H 02 J	7 / 34		H 01 H	37 / 00	12.01-12.15	H 02 K	41 / 02
136-137	B 60 B	17 / 00		F 16 G	13 / 02		H 02 J	3 / 00		H 01 H	85 / 46	12.16-12.17	H 02 K	41 / 03
136	B 60 B	9 / 00		B 21 L	9 / 06		H 02 J	1 / 00		H 01 H	9 / 54	12.18-12.31	H 02 K	