

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 24--Con.														
606-629	A 44 B	1 / 04		D 06 M	11 / 38		D 04 H	18 / 00		D 04 B	5 / 00		D 02 H	
	A 44 B	11 / 25	25	D 06 C	15 / 00		D 04 H	3 / 02		D 04 C	7 / 00		D 03 J	
	A 44 B	17 / 00	26	D 06 C	15 / 14		D 04 H	3 / 10		D 04 D	7 / 00		D 06 B	
630	A 41 F	1 / 04	27-29	D 06 C	11 / 00		D 04 H	5 / 02	150	D 04 D	7 / 00		D 06 C	3 / 00
631-658	A 41 F	1 / 00	29R	A 63 B	47 / 04		D 04 H	5 / 08	151-152	D 03 D	29 / 00		D 06 C	5 / 00
	A 43 C	11 / 00		D 06 C	11 / 00		D 06 C	23 / 00	153	D 04 B	1 / 24		F 26 B	
	A 44 B	1 / 04		D 06 C	29 / 00	106	D 04 H	1 / 70		D 04 B	11 / 26	173	C 08 G	75 / 00
	A 44 B	11 / 25	30	D 06 C	11 / 00		D 04 H	13 / 00		D 04 B	21 / 20		D 02 H	11 / 00
	A 44 B	17 / 00		D 06 C	23 / 00		D 04 H	3 / 02		D 04 B	23 / 24		D 06 C	13 / 00
659-661	A 41 F	1 / 02	31-37	D 06 C	11 / 00		D 04 H	5 / 08		D 04 B	25 / 14		D 06 C	9 / 00
662-681	A 41 F	1 / 00	51	D 06 C	3 / 00		D 06 C	23 / 00		D 04 B	31 / 02	174	C 08 G	75 / 00
	A 43 C	11 / 00	51.3-51.4	D 06 C	3 / 00	107-111	B 32 B	5 / 06		D 04 B	7 / 34		D 06 C	9 / 00
	A 44 B	1 / 04		D 06 H	3 / 12		D 04 H	1 / 46		D 04 B	9 / 46	175	B 65 H	54 / 66
	A 44 B	11 / 25	51.5	D 06 C	3 / 00		D 04 H	11 / 08		D 04 B	9 / 58		C 08 G	75 / 00
	A 44 B	17 / 00		D 06 H	3 / 08		D 04 H	13 / 00		D 06 B	3 / 20		D 04 B	31 / 00
682.1-696	A 44 B	1 / 18	52-53	D 06 C	3 / 00		D 04 H	18 / 00		D 06 B	5 / 24	176	B 65 H	11 / 00
697.1-697.2	A 44 B	13 / 00	69A	D 06 C	23 / 04		D 04 H	3 / 10		D 06 C	13 / 12		B 65 H	37 / 00
698.1-698.3	F 16 B	45 / 00	69B-69C	D 06 C	23 / 00		D 04 H	5 / 02		D 06 C	7 / 02		C 08 G	63 / 12
700-702	A 41 F	1 / 00	69R	D 06 C	23 / 00	112	D 04 H	1 / 46		D 06 G			C 08 G	63 / 18
	A 43 C	11 / 00		D 06 C	3 / 00		D 04 H	11 / 08		D 06 H	3 / 16	177	C 08 G	63 / 46
	A 44 B	1 / 04	70-75	D 06 C	3 / 00		D 04 H	13 / 00		D 06 J			C 08 G	63 / 91
	A 44 B	11 / 25	76	D 06 C	3 / 02		D 04 H	18 / 00	154	D 04 B	1 / 26		D 04 B	31 / 00
	A 44 B	17 / 00	77-78	D 06 C	3 / 06		D 04 H	3 / 10		D 04 B	11 / 28	178	B 65 H	71 / 00
703.1-703.6	F 16 B	15 / 00	79	D 06 C	3 / 02		D 04 H	5 / 02		D 04 B	23 / 20		C 08 G	63 / 46
	F 16 B	19 / 00	80	D 06 C	3 / 00	113-115	D 04 H	18 / 00		D 04 B	9 / 46		D 02 H	5 / 02
704.1-704.2	F 16 B	21 / 00	81	D 06 C	3 / 00	116	D 04 H	1 / 08		D 06 B	3 / 30		D 06 B	1 / 14
705	A 44 C	7 / 00		F 26 B	13 / 02		D 04 H	1 / 44		D 06 B	5 / 24		D 06 B	
706-706.1	A 44 B	9 / 00	82	B 26 D	7 / 14		D 04 H	11 / 04		D 06 C	13 / 12	179-180	C 08 G	63 / 00
706.2-707.6	A 44 B	9 / 10		D 06 C	3 / 00		D 04 H	13 / 00		D 06 H	3 / 16		D 02 H	5 / 02
707.7-710.2	A 44 B	9 / 12	83-85	D 06 C	3 / 00		D 04 H	17 / 00	155	D 03 D	15 / 08		D 06 B	15 / 00
710.3	A 44 B	9 / 00	86	D 06 C	3 / 02		D 04 H	17 / 10		D 03 D	17 / 00		F 26 B	13 / 00
710.4-711.4	A 44 B	9 / 02	87-88	D 06 C	3 / 00		D 04 H	3 / 10		D 03 D	7 / 00	181	C 08 G	63 / 00
711.5	A 44 B	9 / 00	89-91	D 06 C	3 / 02		D 04 H	5 / 02		D 04 B	1 / 18		D 02 H	5 / 02
	A 44 B	9 / 20		D 06 C	3 / 10	117	D 04 H	1 / 00		D 04 B	11 / 12		D 02 H	9 / 00
712	A 43 C	1 / 00	92	D 06 C	3 / 02	118-120	A 61 F	13 / 20		D 04 B	21 / 18		D 02 H	9 / 02
712.1-712.4	A 43 C	7 / 00		F 26 B	13 / 02		D 04 H	1 / 22		D 04 B	23 / 06		D 06 B	15 / 00
712.5	A 43 C	7 / 08	93-96	D 06 C	3 / 02	121	B 65 D	75 / 00		D 04 B	7 / 16		F 26 B	13 / 00
712.6	A 43 C	7 / 04	97	D 06 C	3 / 06	122	D 04 H	1 / 08		D 06 C	21 / 00	182	C 08 G	63 / 00
712.7-712.8	A 43 C	7 / 08	98	D 06 C	3 / 00		D 04 H	1 / 44		D 06 C	23 / 04		D 02 H	5 / 02
712.9	A 43 C	7 / 00	99-105	D 06 C	3 / 06		D 04 H	11 / 04		D 06 H	7 / 10		D 06 B	3 / 10
713-713.1	A 43 C	9 / 06	106	D 06 C	3 / 00		D 04 H	13 / 00	156	D 03 D	15 / 04		D 06 B	3 / 32
713.2	A 43 C	7 / 00		F 26 B	13 / 02		D 04 H	17 / 00		D 06 C	21 / 00	183	C 08 G	69 / 02
713.3-713.5	A 43 C	1 / 00					D 04 H	3 / 10		D 06 C	23 / 04		D 02 H	5 / 02
713.6-713.8	A 43 C	5 / 00					D 04 H	5 / 02	157	D 06 H	3 / 12		D 06 B	15 / 02
713.9	A 43 C	3 / 00				123-124	A 42 C	1 / 02		D 06 H	7 / 10		D 06 B	3 / 10
714	A 43 C	3 / 04					D 04 H	1 / 22	158	D 03 D	1 / 00		D 06 B	3 / 32
714.1-714.5	A 43 C	3 / 00	1-20	A 61 G	17 / 00		D 04 H	17 / 00		D 03 D	11 / 00	184	C 08 G	69 / 02
714.6-715.2	A 43 C	1 / 04	21.1-25.1	A 01 N	1 / 00	125-133	D 04 H	1 / 22		D 03 D	27 / 10		D 02 H	3 / 00
715.3	A 43 C	1 / 02	26	A 61 G	19 / 00		D 04 H	17 / 00		D 03 D	39 / 16		D 02 H	5 / 00
715.4	A 43 C	9 / 04	27	A 61 G	17 / 00	134-137	D 04 H	17 / 12	159	D 06 C	11 / 00		D 02 H	7 / 00
715.5	A 43 C	9 / 02	28	A 61 G	1 / 00	138-139	D 04 H	17 / 00		D 06 C	13 / 00		D 03 D	15 / 00
715.6-715.7	A 43 C	9 / 04		A 61 G	3 / 00	140	D 01 D			D 06 C	23 / 02	185	B 65 H	59 / 00
716	A 47 H	13 / 00		A 61 G	7 / 10		D 04 H	13 / 00	160	D 06 C	23 / 02		B 65 H	61 / 00
			29-30	E 02 D	19 / 00	141	D 04 B	17 / 00	161	D 06 C	13 / 08		B 65 H	63 / 00
			31	A 61 G	17 / 04		D 06 H	3 / 00	162	D 06 C	23 / 02		C 08 G	69 / 02
			32-34	A 62 B	33 / 00	142	D 06 H	5 / 00	163	B 41 F			D 02 H	13 / 02
			35	A 61 G	19 / 00		D 03 D	3 / 02		D 06 B	1 / 00	186	D 02 H	13 / 14
				A 61 G	17 / 00		D 03 D	3 / 04		D 06 C	23 / 00		F 26 B	13 / 12
							D 04 B	7 / 32		D 06 C	29 / 00		B 65 H	63 / 00
							D 04 B	9 / 00		D 06 J			C 08 G	69 / 02
							D 06 C	5 / 00		D 06 P	3 / 86		D 02 H	13 / 02
							D 06 G	3 / 00		D 06 P	5 / 00		F 26 B	13 / 12
							D 06 G	5 / 00	164	D 05 C	7 / 10	187	B 65 H	63 / 00
							D 06 H	3 / 16		D 06 Q	1 / 02		C 08 G	69 / 02
							D 06 H	5 / 00	165	D 06 C	15 / 00		D 02 H	13 / 08
							A 61 F	2 / 06		D 06 M			F 26 B	13 / 12
						143	D 03 D	1 / 00	166	B 65 H	71 / 00	188-189	B 65 H	63 / 00
							D 03 D	41 / 00		D 06 M			C 08 G	69 / 02
							D 04 B	1 / 24	167	C 08 G	79 / 02		D 02 H	13 / 06
							D 04 B	11 / 26		D 06 C	29 / 00		F 26 B	13 / 12
							D 04 B	21 / 20		D 06 M		190	B 65 H	54 / 00
							D 04 B	23 / 24		F 26 B	13 / 00		C 08 G	63 / 02
							D 04 B	25 / 14	168	C 08 G	79 / 02		C 08 G	63 / 18
							D 04 B	31 / 02		D 06 H	7 / 22		D 02 H	13 / 00
							D 04 B	7 / 34		D 06 Q	1 / 02		D 02 H	3 / 00
							D 04 B	9 / 46	169	B 29 C	70 / 22		D 02 H	5 / 00
							D 04 B	9 / 58		C 08 G	79 / 02		D 02 H	7 / 00
							D 04 G			D 06 B		191	B 65 H	54 / 12
							D 06 B	3 / 30		D 06 P			C 08 G	63 / 02
							D 06 B	5 / 24	170	C 08 G	73 / 10		D 02 H	13 / 34
							D 06 C	13 / 12		D 06 H	7 / 00	192	B 65 H	54 / 12
							D 06 G			C 08 G	75 / 00		D 02 H	13 / 30
							D 06 H	3 / 16	171	D 04 B	19 / 00	193	B 65 H	67 / 00
							D 06 J			B 65 H			D 02 H	1 / 00
						144	D 02 G	3 / 40		C 08 G	75 / 00	194	B 65 H	59 / 00
							D 03 D	41 / 00		D 02 H	13 / 38		B 65 H	77 / 00
							D 04 D	3 / 00		D 02 H			D 02 H	13 / 22
						145	D 04 D	5 / 00		D 03 J		195		

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 28--Con.																	
197	D 02 H	13 / 00	282-283	D 01 D	11 / 02	33A	B 22 D	31 / 00	283-283.5	B 23 Q	1 / 00		B 23 Q	17 / 00			
198	D 02 H	9 / 00		D 02 J	1 / 18	33B	B 21 C	47 / 00		B 23 Q	3 / 00		B 23 Q	5 / 00			
	D 02 H	9 / 02	284-285	B 05 C		33C	B 21 B	1 / 46		B 23 Q	7 / 04	563	B 23 Q	17 / 00			
	D 03 J	1 / 13		D 01 D	10 / 00	33D	B 21 C	37 / 06	284	B 21 D	53 / 00		B 23 Q	39 / 04			
199	B 65 H	57 / 16		D 06 C	29 / 00	33E	H 01 B	13 / 22		B 23 P	13 / 00		B 23 Q	41 / 02			
	D 02 H	13 / 16		D 06 L		33F	B 21 C	1 / 00		B 23 P	15 / 00		B 23 Q	7 / 00			
	D 02 H	9 / 00		D 06 M			B 21 C	23 / 08		B 23 P	17 / 00	564-564.8	B 23 P	23 / 00			
200	B 65 H	79 / 00		D 06 P		33G	B 21 D	53 / 02	401.1	B 21 K	21 / 16		B 23 Q	41 / 00			
	D 02 H	13 / 12	286	B 05 C		33H	B 23 C	3 / 00		B 23 P	17 / 04		B 23 Q	41 / 00			
	D 06 B	3 / 34		D 01 D	10 / 00	33J	B 23 P	23 / 00		B 23 P	23 / 00		B 23 P	23 / 00			
	B 65 H	67 / 00		D 02 G	1 / 02		B 23 Q	39 / 00	402.01	B 23 P	6 / 00		B 23 P	17 / 04			
	B 65 H	69 / 00		D 06 L		33K	B 23 P	19 / 00		B 29 C	73 / 00		592	B 23 P	17 / 04		
	D 03 J	1 / 00		D 06 M			B 23 P	21 / 00	402.02	B 23 P	23 / 00		592.1	H 01 S	4 / 00		
	B 65 H	67 / 08		D 06 P		33L	H 02 K	15 / 00		B 23 P	6 / 00		593	G 01 R	31 / 28		
	D 03 J	1 / 14	287	B 05 C		33M	H 01 R	43 / 00	402.03	B 23 P	19 / 04			G 01 R			
	B 65 H	67 / 00		D 01 D	10 / 04	33N	B 21 D	53 / 00		B 23 P	23 / 00			G 05 F			
203.1	D 03 J	1 / 14		D 02 G	1 / 18		B 23 P	19 / 00		B 23 P	6 / 00			H 01 H			
204-207	D 03 J	1 / 14		D 06 L			B 23 P	21 / 00	402.04-402.09	B 23 P	19 / 04		594	H 04 R	31 / 00		
207.1	B 65 H	67 / 00		D 06 M		33P	B 23 Q	7 / 00		B 23 P	6 / 00		595	G 01 R	3 / 00		
	D 03 J	1 / 14		D 06 P		33Q	B 21 D	21 / 00	402.11-402.17	B 23 P	6 / 00		596	H 02 K	15 / 00		
	D 03 J	3 / 00	288	B 05 C			B 21 D	35 / 00	402.18	B 22 D	19 / 10		597	H 01 R	43 / 06		
	B 65 H	1 / 00		D 01 D	10 / 04	33R	B 21 B	15 / 00		B 23 K	9 / 04		598	H 01 R	43 / 10		
	B 65 H	75 / 38		D 06 C	29 / 00		B 21 D	39 / 03		B 23 P	6 / 00		599	H 02 K	15 / 02		
	D 02 H	13 / 38		D 06 L			B 23 P	23 / 04	402.19-402.21	B 21 D	1 / 00		600	H 02 K	15 / 10		
209-210	B 65 H	69 / 00		D 06 M		33S	B 23 P	25 / 00		B 21 D	3 / 16			H 01 L	39 / 24		
	D 03 J	1 / 18		D 06 P			B 21 B	1 / 24		B 23 P	6 / 00			H 01 P	11 / 00		
211	B 65 H	69 / 04	289-290	B 65 H	54 / 00		B 21 D	53 / 00	403.1	B 07 B	13 / 00		601	H 01 Q	17 / 00		
	D 03 J	1 / 18		B 65 H	71 / 00	33T	B 23 D	21 / 00		B 23 P	17 / 04		602.1	H 01 F	7 / 06		
	B 65 H	57 / 16	291	B 65 H	54 / 62	33.2	A 41 H	37 / 06	403.2	B 30 B	9 / 32		603.01-603.27	G 11 B	5 / 127		
	D 02 H	13 / 16		B 65 H	71 / 00		B 29 D	5 / 00	403.3-403.4	B 23 P	19 / 04			H 04 R	31 / 00		
	D 02 H	13 / 20	292-298	B 65 H	73 / 00	33.5-33.52	B 23 P	23 / 04		H 01 B	15 / 00		604	H 01 F	3 / 00		
	B 65 H	57 / 16	299	D 01 G	11 / 04	34A	A 44 B	19 / 00		H 02 G	1 / 12			H 01 F	41 / 02		
	D 02 H	13 / 18		D 06 M		34B	B 21 J	15 / 00	404-406	B 23 Q	17 / 00		605-607	H 01 F	7 / 06		
214	D 03 D	39 / 04				34C	B 21 K	1 / 02	407.01-407.1	B 23 Q	17 / 00		608	H 01 F	3 / 08		
215-216	D 03 D	39 / 06				34D	B 21 F	1 / 00		G 01 M	19 / 00			H 01 F	7 / 06		
217	B 05 C					34R	B 21 D	53 / 00	408	B 21 D	53 / 50		609-609.1	H 01 F	3 / 04		
	B 65 H						B 21 D	53 / 08		B 21 F	45 / 18			H 01 F	7 / 06		
	D 01 D		2	B 23 P	13 / 00		B 21 J	15 / 10		B 29 D	5 / 00		610.1	H 01 C	17 / 00		
	D 02 G	1 / 20		H 01 M	4 / 82	35.5-36	B 23 B	3 / 16	409	B 21 D	53 / 54		611	H 05 B	3 / 00		
	D 02 G		2.1-2.25	B 21 D	43 / 00		B 23 B	7 / 04		B 21 F	45 / 18		612	H 01 C	7 / 02		
	D 02 H			B 26 D	3 / 16			23 / 00		B 29 D	5 / 00			H 01 C	7 / 04		
	D 02 J		3	B 21 D	53 / 46	39-47	B 23 B	3 / 16	410	B 21 D	53 / 52		613	H 01 C	17 / 02		
	D 06 B		4	B 21 F	45 / 28		B 23 B	7 / 04		B 21 F	45 / 18		614-615	H 01 C	1 / 02		
	D 06 C		4.51-4.56	B 21 F	45 / 00	48.5A	B 23 B	29 / 24		B 29 D	5 / 00			H 01 C	17 / 02		
	D 06 L			B 23 P	17 / 06		B 23 B	3 / 16	411-425	B 23 P	17 / 00		616-617	H 01 C	1 / 03		
	D 06 M		4.6	D 03 C	9 / 00		B 23 B	7 / 04	426.1-426.3	B 23 P	19 / 00		618	H 01 C	17 / 04		
	D 06 P		5	B 21 G	7 / 08			3 / 16	426.4	B 23 P	19 / 02		619	H 01 C	17 / 28		
	D 06 Q		6.01	B 21 K	1 / 08			7 / 04	426.5-426.6	B 23 P	19 / 00		620	H 01 C	17 / 06		
218	D 02 G	1 / 00	6.1	B 21 D	31 / 04	50	B 23 B	29 / 24	428-431	B 21 D	39 / 03		621-621.1	H 01 C	17 / 28		
	D 04 B	19 / 00	6.2	B 21 D	31 / 02	51	B 23 D	1 / 00		B 23 P	11 / 00		622	H 01 H	11 / 00		
	D 02 G	1 / 00	7	B 21 K	1 / 44	52	B 23 C	1 / 00	432-432.2	B 23 P	11 / 00			H 01 H	65 / 00		
219	D 02 G	3 / 00	7.1-7.3	B 21 F	25 / 00	53	B 23 B	11 / 00	433	B 23 P	19 / 04		623	H 01 H	69 / 02		
	D 02 J	1 / 00	8	B 23 P	13 / 00		B 23 B	35 / 00	434-444	B 23 P	11 / 00		623.1-623.5	H 01 M	4 / 82		
	D 02 J	11 / 00	9	B 21 F	45 / 12	54-56.6	B 23 C	1 / 00	445	B 23 P	9 / 00			H 01 M	6 / 00		
	D 02 J	3 / 00	10	B 23 P	5 / 00	57	B 23 B	25 / 00	446-451	B 23 P	11 / 02		650-700	B 23 P	19 / 00		
	D 02 J	7 / 00	11	B 21 D	53 / 40		B 23 Q	39 / 00	452	B 21 D	39 / 00		701-722	B 23 P	21 / 00		
220	D 02 G	1 / 20		B 21 K	13 / 02	64	B 23 P	23 / 00	453	B 23 P	11 / 02			B 23 Q	15 / 00		
	D 02 J	11 / 00	12	B 23 P	13 / 00	65	B 23 P	23 / 00	454	B 23 P	19 / 04		723	B 23 P	19 / 00		
221	D 02 G	1 / 12	13	B 21 F	45 / 22		B 23 Q	5 / 00	455.1	B 21 D	39 / 00		724-725	B 21 D	53 / 10		
222	D 02 J	11 / 00		B 21 F	45 / 24	76.1-76.4	B 23 D	67 / 00		B 23 P	19 / 04			B 23 P	19 / 04		
223	B 65 H	63 / 06	14	B 21 H	7 / 06		B 23 D	69 / 00	456-457	B 21 D	39 / 00		726-727	B 23 P	15 / 26		
	D 02 J	3 / 00		B 21 K	19 / 02	77	B 23 D	73 / 02		B 23 P	19 / 00		728	B 23 P	19 / 04		
	D 02 J	7 / 00	15-16	B 23 P	13 / 00	81.01-81.17	B 21 B	45 / 04	458-459	B 23 P	25 / 00		729	B 23 P	19 / 00		
224	D 02 J	3 / 14	17.1-17.2	B 21 D	33 / 00		B 21 C	43 / 00	460	B 23 P	19 / 04			H 01 R			
225	B 65 H	63 / 06	17.3-18.1	B 21 D	33 / 00		B 23 K	7 / 00	461	B 23 P	25 / 00			H 05 K	13 / 04		
226	B 65 H	63 / 06		B 32 B	37 / 00	89.5	B 23 P	25 / 00	462	B 23 P	19 / 00		730	B 23 P	19 / 00		
	D 02 J	3 / 12	20	B 21 D	33 / 00		B 23 P	9 / 00		B 23 P	25 / 00			H 01 M	10 / 14		
	D 02 J	3 / 16	20.1	B 26 D	3 / 10	90.01	B 21 C	37 / 30	463	B 21 D	39 / 02			H 01 M			
227-229	B 65 H	63 / 06	21-22	B 23 P	17 / 00		B 24 B	39 / 00	464-468	B 23 Q	3 / 00		731	B 23 P	19 / 00		
230-239	D 02 J	3 / 14	23.1	B 23 P	13 / 00	90.1-90.5	B 24 B	39 / 00	469	B 23 P	21 / 00			H 01 M	2 / 04		
240-242	D 02 J	1 / 22	23.51	B 21 D	53 / 78	90.6-90.7	B 21 C	37 / 30	469.5	B 21 D	35 / 00			H 01 M			
243	D 02 J	1 / 06		B 21 K	3 / 04		B 24 B	39 / 00	505-506	B 21 D	39 / 00		732	B 23 P	19 / 00		
244-246	D 02 J	1 / 22		B 23 P	15 / 02	91-91.1	B 68 G										