

CONCORDANCE - United States to International Patent Classification

U.S. Subclass	IPC Subclass Notation	U.S. Subclass	IPC Subclass Notation	U.S. Subclass	IPC Subclass Notation	U.S. Subclass	IPC Subclass Notation	U.S. Subclass	IPC Subclass Notation	U.S. Subclass	IPC Subclass Notation
U.S. CLASS 239--Con.											
548	A 62 C 37/08	8	B 02 B 3/12	80	B 02 C 23/12	170-174	B 02 C 17/00	273.1	A 47 J 17/00		
	B 05 B 1/14		B 02 B 3/12	82	B 02 C 19/00	171-174	B 02 C 23/02		A 47 J 19/00		
	E 21 F 5/04	9-11	B 02 C 9/04		B 02 C 21/00	175	B 02 C 17/08	273.2	B 02 C 11/04		
	F 23 D 11/38	12-13	B 02 C 11/00	82.1-82.2	B 02 C 17/16	176	B 02 C 17/00		B 02 C 23/02		
	F 23 D 14/48		B 02 C 7/18	82.1	B 02 C 23/02	177-184	B 02 C 17/14	273.3	A 47 J 17/00		
549	B 05 B 7/08		B 02 C 9/00	82.2	A 47 J 17/14	185.5-186.5	B 02 C 13/00	273.4	A 47 J 19/00		
550-553	B 05 B 1/14	12	B 02 B 1/04	82.3	A 47 J 19/00	186.1-186.5	B 02 C 23/02	274-276	B 02 C 19/00		
553.3	B 05 B 1/14		B 02 B 3/12	82.4-82.7	A 23 K 1/14	186.6	A 01 F 29/00	274-277	B 02 C 17/20		
	F 23 D 14/68		B 02 B 5/00		A 23 K 3/00	186.4	B 02 C 23/00		B 02 C 7/12		
553.5-561	B 05 B 1/14	13	B 02 B 5/02		A 47 J 17/14	187-190	B 02 C 13/20	275-276	B 02 C 1/10		
562-564	A 62 C 37/20	14	B 27 L 11/00	83	B 02 C 17/02	187	B 02 C 13/20		B 02 C 1/12		
565	B 05 B 1/14		B 31 F 7/00		B 07 B 13/00	188.1	B 02 C 13/00		B 02 C 23/02		
566	B 05 B 1/20	15-21	B 02 C 1/00	84-89	B 02 C 17/00	188.2	B 02 C 13/20	277-278.1	B 02 C 1/08		
567	B 05 B 1/18	15	B 02 C 23/18	84.1-84.3	B 02 C 17/02	189.1	B 02 C 13/09	277	B 02 C 13/28		
568	B 05 B 1/14	16	B 01 B 7/00		B 07 B 13/00	189.2	B 02 C 13/282	278.2-279	B 02 C 15/00		
569-584	B 05 B 1/30		B 02 C 23/06	84.2-84.3	A 47 J 19/00	189.9	B 02 C 18/14	278.2-282	B 02 C 13/28		
585.1-585.5	B 05 B 1/30		B 04 B 15/04	86.1-86.2	B 02 C 17/02	191-197	B 02 C 13/00		B 02 C 7/00		
	F 02 M 51/00	17-21	B 02 C 11/08		B 07 B 13/00	192	B 02 C 7/14		B 02 C 7/12		
586	B 05 B 1/30		B 02 C 21/00	87.1	B 07 B 13/00	198.1	A 01 H 5/02	278.2-282.2	B 02 C 17/20		
587.1-588	B 05 B 15/08		B 02 C 23/00	88.1-88.3	B 02 C 17/02		B 02 C 19/08	279-282.2	B 02 C 1/08		
589	A 62 C 31/02	22	B 02 B 5/02		B 07 B 13/00	199-199.9	B 02 C 18/00		B 02 C 23/02		
	B 05 B 1/00		B 02 C 19/00	89.1-89.3	B 02 C 17/02	199.1	B 02 C 1/02	281	B 02 C 23/00		
	F 23 D 11/38	23	B 02 C 11/08		B 07 B 13/00	199.12-199.9	B 02 C 18/00	282	B 02 C 23/02		
	F 23 D 14/48		B 02 C 21/00	89.3	A 47 J 19/00	199.12-200	B 02 C 19/00	282.1-282.2	B 02 C 4/06		
589.1	B 05 B 1/08	24.1-24.2	B 02 C 17/00	89.4	A 23 K 1/14	200	B 02 C 11/02	282.1	B 02 C 4/18		
590-590.3	B 05 B 1/14	24.1-24.31	B 02 C 17/02		A 23 K 3/00		B 02 C 21/00	282.2	A 07 J 17/00		
	F 23 D 14/68	24.21-24.31	B 02 C 7/00		A 47 J 17/14		B 02 C 23/00		B 02 C 9/02		
590.5	B 05 B 1/14	25	B 02 B 5/02	91-95	B 02 C 17/02	201-202	B 02 C 15/10	283	B 02 C 1/00		
591	B 05 B 1/00		B 02 C 19/00		B 07 B 13/00		B 02 C 17/08		B 02 C 19/00		
592-595	B 05 B 1/04		B 02 C 9/04	96-97	B 02 C 23/00	202	B 02 C 23/02		B 02 C 21/00		
596-600	B 05 B 1/00		B 03 B 7/00	98	B 02 C 17/16	203	B 02 C 13/00		B 02 C 23/00		
601	A 62 C 31/02	26	B 02 C 17/00	99-101.2	B 02 C 19/00		B 02 C 15/00	284	B 02 C 17/00		
	B 05 B 1/26	27	B 02 C 17/16	100	B 02 B 7/02		B 02 C 17/00	285.1-290	B 01 L 9/00		
602	B 05 B 1/00		B 02 C 7/00		B 02 C 23/00		B 02 C 7/00		B 02 C 23/00		
650-651	A 01 C 15/00	28	B 27 J 7/00	101.01-101.6	B 02 B 5/02	204-219	B 02 C 15/10		B 24 B 41/00		
	A 01 C 3/06		B 27 K 9/00	101.01	A 47 J 43/25		B 02 C 17/08		F 16 M 7/00		
	A 01 C 7/08		B 27 K 9/00		B 02 C 7/00	204	B 02 C 13/02		F 16 S 2/04		
	E 01 C 19/20		B 27 L 11/00		B 03 B 7/00		B 02 C 13/10	285.1	B 02 C 2/04		
652	A 01 C 15/02	29	D 21 D 1/30	101.1-101.3	B 02 C 9/04	205	B 02 C 1/08	285.2	B 02 C 18/30		
	A 01 C 7/02		B 02 B 5/02	101.1	B 23 D 19/00	206	B 02 C 1/02	285.3	B 02 C 7/06		
653	A 01 C 15/00	30	B 03 B 7/00		B 23 D 45/00		B 02 C 4/02	286-290	B 02 C 7/14		
	A 01 C 3/06		B 02 B 25/00	101.2	B 02 C 1/10	219	B 02 C 13/16	286-291	B 02 C 7/00		
	A 01 C 7/08		B 02 C 25/00	101.3	B 03 B 7/00	220	B 02 C 18/18	286	B 02 C 2/04		
654-655	A 01 C 15/04	31	B 02 C 11/06	101.3	B 02 C 7/00	221-241	B 02 C 1/08	287	B 02 C 13/282		
	A 01 C 3/06		B 02 C 19/00	101.4-101.6	B 02 C 19/00	222	B 02 C 23/02	287	B 02 C 1/04		
656	A 01 C 7/06	32-32.5	B 02 C 19/00	101.4	A 01 F 29/00	222	B 02 C 23/02	289	B 02 C 2/04		
657-661	A 01 C 15/00	32-45	B 02 C 23/00		B 03 B 7/00	223	B 02 C 23/00	290	B 02 C 2/04		
	A 01 C 19/00	33-37	B 02 C 11/08	101.5-101.6	B 02 C 9/04	224-225	B 02 C 23/02	291-292	B 02 C 1/10		
	A 01 C 3/06		B 02 C 4/32	101.5	A 01 C 9/00	226	B 02 C 19/00	291	B 02 C 13/28		
	A 01 C 7/00		B 02 C 7/14	101.6	B 03 B 7/00		B 02 C 23/00	292	B 02 C 17/20		
	E 01 C 19/20		B 02 C 9/04	101.7-101.78	A 01 D 34/00		B 02 C 9/04	292	B 02 C 19/00		
662	A 01 C 23/00	37.5	A 01 F 21/00		B 03 B 7/00	227-233	B 02 C 15/00	292.1	B 02 C 23/00		
663-664	A 01 C 15/00		B 23 Q 11/00	101.71-101.8	B 02 B 5/02	230-234	B 02 C 13/00		B 02 C 11/04		
	A 01 C 19/00	38-45	B 02 B 1/00		B 02 C 9/04		B 02 C 7/14		B 02 C 23/02		
	A 01 C 3/06		B 02 B 5/02	101.71-102	B 02 C 19/00	235-236	B 02 C 13/20	293-295	B 02 C 15/16		
	A 01 C 7/00		B 02 C 11/08	102	B 02 C 17/20		B 02 C 7/04		B 02 C 23/00		
	E 01 C 19/20		B 02 C 21/00	103-151	B 02 C 15/00	238-241	B 02 C 7/00	293-300	B 02 C 17/20		
665-669	A 01 C 17/00		B 07 B 11/00	106	B 02 C 19/10		B 02 C 7/14		B 02 C 7/12		
	A 01 C 19/00		B 07 B 4/00	107-147	B 02 C 19/00	241.5	B 02 C 4/12	293-300.1	B 02 C 1/10		
670-680	A 01 C 19/00		B 07 B 7/00	107-152.1	B 02 C 9/04		B 02 C 7/00		B 02 C 13/28		
	E 01 C 19/20		B 07 B 9/00	108-109	B 02 C 23/02	242-243	B 02 C 1/08		B 02 C 7/00		
681-688	A 01 C 17/00	46.01-46.017	B 02 C 23/36	113	B 02 C 1/08		B 02 C 13/00	296	B 02 C 7/00		
689	A 01 C 3/06	46.02-59	B 02 C 23/00	114	B 02 C 13/20		B 02 C 7/00	299	B 02 C 15/00		
	E 01 C 19/20	46.02-62	B 02 B 1/00	124	B 02 C 23/02	244	B 02 C 7/00	300	B 02 C 17/22		
690-708	B 05 B 5/00		B 02 B 5/02	135-136	B 02 C 23/02		D 21 D 1/30		B 02 C 19/22		
	F 23 D 11/32		B 02 C 21/00	137	B 02 C 17/00	245-249	B 02 C 23/02		B 02 C 7/04		
722-754	B 05 B 3/00		B 07 B 11/00	138	B 02 C 13/00	250-254	B 02 C 1/08	300.1	B 02 C 18/04		
	B 05 B 3/18		B 07 B 4/00	142-145	B 02 C 13/02		B 02 C 15/10		B 02 C 4/18		
			B 07 B 7/00	142	B 02 C 15/10	252	B 02 C 7/10	301	B 02 C 13/286		
			B 07 B 9/00	145	B 02 C 7/00	253	B 02 C 7/08		B 02 C 7/00		
			B 02 C 11/08	146	B 02 C 13/10	254	B 02 C 7/10				
		46.02-67	B 02 C 23/20	147-151	B 02 C 1/00	257.1-259.3	B 02 C 7/00				
		60	B 02 C 23/22	149-151	B 02 C 19/00	257.1	B 02 C 7/08				
		61	B 02 C 23/00	151	B 02 C 9/00	259.1-259.3	B 02 C 23/00				
		63-64	B 02 C 7/14	149	B 02 C 15/10		B 02 C 7/14				
1	B 02 C 19/00		B 02 C 9/04	152.2-165.5	B 02 C 15/00	259.1-260	B 02 C 13/20	118	B 65 H 75/02		
2-4	B 09 B 3/00		B 02 B 5/02	153-154	B 02 C 13/00	260.1-261	B 02 B 3/06	118.1-118.2	B 65 H 75/20		
2	A 47 J 19/06	65-67	B 02 B 1/08		B 02 C 17/00	261	B 02 C 7/04	118.3-118.32	B 65 H 75/10		
	B 02 C 11/00		B 02 C 21/00	153-165.5	B 02 C 9/04	260.1-261	B 02 C 19/22		B 65 H 75/12		
3	B 01 J 19/00	68-79	B 02 C 13/00	155	B 02 C 15/10	261.1-261.2	B 02 C 7/06	118.4-118.8	B 65 H 75/14		
	B 02 C 9/04		B 07 B 13/00	158-160	B 02 C 13/02	261.1-261.3	B 02 C 7/04	125-125.3	B 65 H 75/28		
	B 22 F 9/04		B 02 C 17/02	161-165	B 02 C 13/10		B 02 C 19/00	127	B 65 H 49/30		
4	B 27 J 7/00		B 07 B 7/00	164-165	B 02 C 1/00	262-263	B 02 C 19/00	128-129	B 65 H 49/00		
	B 27 K 9/00	68	B 02 C 23/08	165	B 02 C 15/10		B 02 C 21/00</				

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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 242--Con.																	
134-140	B 65 H	49 / 18		G 11 B	23 / 093		B 65 H	59 / 18	475.7-475.9	B 65 H	54 / 00			B 65 H	23 / 24		
141-146	B 65 H	49 / 36	345.2-347.2	G 03 B	23 / 02		B 65 H	77 / 00	476	B 65 H	54 / 22	550		B 65 H	16 / 00		
147A-147M	B 65 H	59 / 10		G 11 B	23 / 04	419-419.2	B 65 H	23 / 16		B 65 H	67 / 08			B 65 H	49 / 00		
147R	B 65 H	18 / 26	348-348.4	G 03 B	23 / 02		B 65 H	59 / 10	476.1-476.6	B 65 H	65 / 00	551		B 65 H	19 / 00		
	B 65 H	59 / 00		G 11 B	23 / 107		B 65 H	77 / 00		B 65 H	67 / 04			B 65 H	21 / 00		
148	B 65 H	59 / 40	349-358.1	G 03 B	1 / 04	419.3	B 65 H	23 / 24	476.7-477	B 65 H	54 / 28			B 65 H	69 / 00		
	B 65 H	63 / 00		G 03 B	19 / 04		B 65 H	59 / 10	477.1-477.3	B 65 H	54 / 28	552-554.1		B 65 H	19 / 14		
149-152.1	B 65 H	59 / 22		G 11 B	15 / 32		B 65 H	77 / 00		B 65 H	54 / 38			B 65 H	21 / 00		
153-154	B 65 H	59 / 12	360	B 21 C	47 / 00	419.4-419.5	B 65 H	23 / 188	477.4-477.8	B 65 H	54 / 38			B 65 H	69 / 00		
155BW	B 65 H	59 / 10	361-361.1	B 21 C	47 / 10		B 65 H	59 / 20	477.9-484.5	B 65 H	54 / 28	554.2		B 65 H	19 / 20		
155M	B 65 H	59 / 10	361.2	B 21 C	47 / 14		B 65 H	77 / 00	484.6	B 65 H	54 / 40			B 65 H	21 / 00		
155R	B 65 H	59 / 10	361.3	B 21 C	47 / 10	419.6-419.7	B 65 H	23 / 16		B 65 H	54 / 74			B 65 H	69 / 00		
	B 65 H	59 / 16		B 21 C	47 / 24		B 65 H	59 / 14	484.7	B 65 H	54 / 18	554.3		B 65 H	19 / 10		
	D 05 B	47 / 00	361.4-361.5	B 21 C	47 / 10		B 65 H	77 / 00		B 65 H	54 / 40			B 65 H	21 / 02		
156-156.1	B 65 H	59 / 16	362-362.1	B 21 C	47 / 02	419.8-419.9	B 65 H	23 / 188	484.8	B 65 H	54 / 00			B 65 H	69 / 00		
156.2	B 65 H	59 / 38	362.2-363	B 21 C	47 / 24		B 65 H	59 / 16		B 65 H	63 / 00	554.4-554.6		B 65 H	19 / 10		
157C	B 65 H	57 / 06	364	B 65 H	51 / 00		B 65 H	59 / 18	484.9-485.1	B 65 H	54 / 22			B 65 H	21 / 00		
157R	B 65 H	57 / 00		B 65 H	51 / 20	420-423.2	B 65 H	23 / 06		B 65 H	54 / 40			B 65 H	69 / 00		
	B 65 H	57 / 04	364.1	B 65 H	20 / 26		B 65 H	59 / 02		B 65 H	63 / 00	555-556		B 65 H	19 / 18		
	B 65 H	57 / 12		B 65 H	51 / 20		B 65 H	77 / 00	485.2-485.3	B 65 H	54 / 22			B 65 H	21 / 00		
157.1	B 65 H	57 / 00	364.11	B 65 H	51 / 20	430-431	B 21 F	3 / 04		B 65 H	54 / 40			B 65 H	69 / 06		
159	B 65 H	18 / 28	364.12	B 65 H	51 / 26		B 21 F	3 / 04		B 65 H	63 / 024	556.1		B 65 H	19 / 18		
	B 65 H	51 / 015	364.2-364.3	B 65 H	18 / 20		B 65 H	54 / 00	485.4	B 65 H	54 / 22			B 65 H	21 / 00		
	B 65 H	55 / 00		B 65 H	51 / 20		B 65 H	81 / 06		B 65 H	54 / 40			B 65 H	69 / 02		
160.1-160.4	B 65 H	18 / 28		B 65 H	51 / 26	432-432.6	H 02 K	15 / 085		B 65 H	63 / 06	557		B 65 H	16 / 02		
163-173	B 65 H	18 / 28	364.4-365.5	B 65 H	51 / 20	433-433.4	H 02 K	15 / 099	485.5-485.8	B 65 H	54 / 22	558-561		B 65 H	19 / 00		
	B 65 H	51 / 015	365.6-366.1	B 65 H	51 / 02	434-434.9	B 65 H	81 / 02		B 65 H	54 / 40			B 65 H	67 / 00		
	B 65 H	55 / 00		B 65 H	51 / 30		H 01 F	41 / 08		B 65 H	63 / 08	562-562.1		B 65 H	16 / 00		
174-178	B 65 H	55 / 04	366.2-366.4	B 65 H	51 / 20	435-436	B 65 H	54 / 64	485.9-486.1	B 65 H	54 / 42			B 65 H	49 / 00		
222	B 65 H	75 / 06	370	B 65 H	75 / 00	437-437.4	B 21 F	3 / 04	486.2	B 65 H	54 / 42	563		B 65 H	26 / 00		
223	A 01 K	89 / 00	371-380	B 65 H	75 / 48		B 21 F	3 / 10		B 65 H	54 / 54			B 65 H	43 / 00		
	A 01 K	89 / 015	381-381.6	B 65 H	75 / 30		B 65 H	81 / 06	486.3	B 65 H	54 / 42			B 65 H	63 / 00		
224	A 01 K	89 / 01		B 65 H	75 / 48		H 01 C	17 / 04	486.4	B 65 H	54 / 42	563.1-563.2		B 65 H	26 / 06		
225-226	A 01 K	89 / 012	382-383.5	B 60 R	22 / 38		H 01 F	41 / 06		B 65 H	54 / 52			B 65 H	43 / 00		
227-242	A 01 K	89 / 01		B 65 H	75 / 48	438-438.1	B 65 H	54 / 64	486.5	B 65 H	54 / 42			B 65 H	63 / 08		
243-248	A 01 K	89 / 02	384-384.6	B 60 R	22 / 40	439-442	B 21 C	47 / 14	486.6-486.7	B 65 H	54 / 40	564-564.2		B 65 H	16 / 10		
249	A 01 K	89 / 00		B 65 H	75 / 48		H 01 F	41 / 06		B 65 H	54 / 74			B 65 H	19 / 16		
250-254	A 01 K	89 / 017	384.7	B 60 R	22 / 34	443-444	B 21 C	47 / 02	486.8-486.9	B 65 H	54 / 44			B 65 H	49 / 34		
255-271	A 01 K	89 / 00		B 65 H	75 / 30		B 65 H	81 / 06	487	B 65 H	54 / 40	564.3		B 65 H	16 / 10		
272-281	A 01 K	89 / 015		B 65 H	75 / 48	444.1-444.3	B 65 H	39 / 16		B 65 H	54 / 74			B 65 H	20 / 00		
282-284	A 01 K	89 / 00	385-385.4	B 65 H	75 / 30		H 01 G	7 / 00	487.1	B 65 H	54 / 71			B 65 H	49 / 34		
285-304	A 01 K	89 / 02		B 65 H	75 / 48	444.4-444.5	H 01 G	13 / 02	487.2	B 65 H	54 / 71	564.4		B 65 H	20 / 02		
305-309	A 01 K	89 / 00	386-388.8	B 65 H	75 / 38		H 01 G	4 / 32		B 65 H	63 / 04			B 65 H	20 / 20		
310	A 01 K	89 / 015	388.9-388.91	B 65 H	75 / 36	445-446	B 21 C	47 / 02	487.3	B 65 H	54 / 71			B 65 H	51 / 04		
311	A 01 K	89 / 01	389	B 65 H	75 / 30		B 65 H	81 / 06		B 65 H	63 / 06	564.5		B 65 H	16 / 10		
312-315	A 01 K	89 / 015		B 65 H	75 / 38	447-447.3	B 21 C	47 / 10	487.4-487.5	B 65 H	54 / 71			B 65 H	49 / 00		
316	A 01 K	87 / 06	390-390.9	B 65 H	75 / 48		B 65 H	54 / 02		B 65 H	63 / 08	565		B 65 H	16 / 00		
	A 01 K	89 / 00	391-392	B 65 H	75 / 40		B 65 H	81 / 06	487.6	B 65 H	54 / 71			B 65 H	49 / 00		
317-323	A 01 K	89 / 00		B 65 H	75 / 48	448-448.1	B 21 C	47 / 02		B 65 H	75 / 32	566		B 65 H	23 / 00		
324	G 03 B	1 / 04	393-395.1	B 65 H	75 / 30		B 65 H	81 / 06	487.7-488	B 65 H	54 / 71			B 65 H	57 / 18		
	G 03 B	19 / 04		B 65 H	75 / 38	470	B 65 H	54 / 00		B 65 H	18 / 08	570		B 65 H	16 / 02		
	G 11 B	15 / 32	396-396.9	B 65 H	23 / 04	471	B 65 H	18 / 08	520	B 65 H	35 / 10			B 65 H	18 / 02		
324.1	G 11 B	15 / 32		B 65 H	59 / 00	472	B 65 H	54 / 00	522-524.1	B 65 H	35 / 00			B 65 H	49 / 04		
	G 11 B	25 / 08		B 65 H	75 / 30	472.1-472.2	B 65 H	54 / 02	525-525.7	B 65 H	35 / 02			B 65 H	49 / 20		
324.2	G 11 B	23 / 087		B 65 H	75 / 38	472.3-472.4	B 65 H	54 / 66	526-527.1	B 65 H	35 / 08			B 65 H	75 / 00		
324.3	G 11 B	15 / 32	397-397.5	B 65 H	27 / 00		B 65 H	54 / 56	527.2-527.7	B 65 H	35 / 04	571-576.1		B 65 H	75 / 24		
	G 11 B	25 / 08		B 65 H	57 / 00		B 65 H	54 / 02	528	B 65 H	39 / 14	577-577.4		B 65 H	75 / 00		
325-325.3	G 03 B	1 / 18		B 65 H	75 / 38		B 65 H	54 / 68	529	B 65 H	75 / 22	578-578.3		B 65 H	75 / 24		
	G 11 B	15 / 70	398-400.1	B 65 H	75 / 44		B 65 H	54 / 02		B 65 H	75 / 24	579		B 65 H	19 / 28		
326-326.4	G 03 B	1 / 18	401	B 65 H	75 / 22		B 65 H	54 / 22	530-531.1	B 65 H	18 / 08			B 65 H	75 / 28		
	G 11 B	23 / 07		B 65 H	75 / 24	472.9	B 65 H	63 / 00	532-532.7	B 65 H	19 / 28	580-580.1		B 65 H	19 / 29		
327-327.4	G 03 B	1 / 18	402	B 65 H	75 / 28	473-473.1	B 65 H	54 / 22		B 65 H	75 / 28			B 65 H	75 / 28		
	G 11 B	15 / 70	403-403.1	B 65 H	75 / 40		B 65 H	63 / 02	533-533.8	B 65 H	19 / 22	581-587.3		B 65 H	19 / 28		
328-329.1	G 11 B	25 / 06	404-406	B 65 H	75 / 38	473.2-473.3	B 65 H	54 / 22		B 65 H	19 / 30			B 65 H	75 / 28		
330	G 03 B	31 / 04	407	B 65 H	75 / 18		B 65 H	63 / 08		B 65 H	67 / 00	588-588.6		B 65 D	85 / 02		
	G 11 B	23 / 44		B 65 H	75 / 44	473.4	B 65 H	54 / 22	534-534.1	B 65 H	18 / 08			B 65 D	85 / 67		
331	G 11 B	15 / 56	407.1	B 65 H	75 / 22		B 65 H	67 / 00		B 65 H	26 / 02			B 65 D	16 / 00		
331.1-331.4	G 11 B	15 / 58															

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 242--Con.																	
607.1-607.2	B 65 H	75 / 24		B 64 C	33 / 00	92-93	B 64 C	17 / 00	125	B 64 B	1 / 02	171.1-171.5	B 64 G	1 / 40			
608-612	B 65 H	75 / 14	22	B 64 C	29 / 00	92	B 64 C	27 / 82		B 64 B	1 / 06	171.6	B 64 G	1 / 00			
	B 65 H	75 / 18	23R	B 64 C	23 / 00	94-95	B 64 B	1 / 70	126	B 64 B	1 / 14	171.7-171.9	B 64 G	1 / 52			
613-613.2	B 65 H	75 / 08		B 64 C	39 / 00		B 64 C	17 / 08	127	B 64 B	1 / 22	171.9	B 64 G	1 / 60			
613.3	B 65 H	75 / 06	24	B 64 B	1 / 06	96	B 64 B	1 / 02		B 64 B	1 / 24	172.1	B 64 G	1 / 52			
613.4-613.5	B 65 H	75 / 08		B 64 B			B 64 B	1 / 06	128	B 64 B	1 / 58		B 64 G	1 / 60			
614-614.1	B 65 H	75 / 12	25	B 64 B	1 / 20	97	B 64 B	1 / 58	129.1	B 64 C	1 / 00	172.2-172.3	B 64 G	1 / 00			
	B 65 H	75 / 14	26	B 64 B	1 / 34	98-99	B 64 B	1 / 62	129.2	B 64 C	45 / 00	172.4-172.5	B 64 G	1 / 64			
615	B 65 H	23 / 04	27-30	B 64 B	1 / 06	99.1-99.9	B 64 C	13 / 00	129.3-129.5	B 64 C	1 / 14	172.6	B 64 G	1 / 22			
	B 65 H	57 / 00	30	B 64 B	1 / 02		B 64 C	3 / 38	129.6	B 64 C	1 / 24	172.7-172.9	B 64 G	1 / 44			
	G 03 B	1 / 42	31	B 64 B	1 / 40		B 64 C	5 / 10	130	B 64 C	1 / 38	173.1-173.3	B 64 G	1 / 00			
615.1	B 65 H	23 / 16		B 64 B	1 / 58		B 64 C	9 / 00	131	B 64 C	1 / 06	174	B 64 C	13 / 00			
	B 65 H	57 / 28		F 41 J	9 / 08	100A	B 64 C	25 / 56	132	B 64 C	1 / 12	175	B 64 C	13 / 18			
	G 03 B	1 / 42	32	B 64 B	1 / 48	100C	B 64 C	25 / 38	133	B 64 C	1 / 00		G 05 D	1 / 00			
615.11	B 65 H	23 / 24	33	B 64 B	1 / 50	100R	B 64 C	25 / 00	134A	B 64 D	15 / 16	177-179	G 05 D	1 / 10			
	G 03 B	1 / 52	34A-34R	B 64 C	39 / 06		B 64 C	25 / 52	134B	B 64 D	15 / 02	180-182	G 05 D	1 / 08			
615.12	B 65 H	23 / 24	34R-35A	B 64 C	3 / 00		B 64 C	25 / 60	134C	B 64 D	15 / 06	183-188	G 05 D	1 / 12			
	B 65 H	23 / 32	34R	B 64 C	5 / 00	101	B 64 C	25 / 54	134D	B 64 D	15 / 12	189-190	B 64 C	13 / 20			
615.2	B 65 H	23 / 04	35A	B 64 C	30 / 00		B 64 C	35 / 00	134E	B 64 D	15 / 00	191-197	G 05 D	1 / 00			
	B 65 H	57 / 14	35R	B 64 C	3 / 14	102A-102R	B 64 C	25 / 10	134F	B 64 D	15 / 20	198	B 64 C	3 / 00			
	G 03 B	1 / 46		B 64 C	39 / 00	102R	B 64 C	25 / 14	134R	B 64 D	15 / 04		B 64 C	5 / 00			
615.21	B 65 H	23 / 32		B 64 C	39 / 10		B 64 C	25 / 20		B 64 D	15 / 16	199.1-199.4	B 64 C	23 / 06			
	G 03 B	1 / 42	36	B 64 C	1 / 00	102SL	B 64 C	25 / 26		B 64 F	5 / 00	200-200.1	B 64 C	21 / 10			
615.3	B 65 H	23 / 04		B 64 C	3 / 00	102SS	B 64 C	25 / 10	135A	B 64 D	39 / 00	201	B 64 C	9 / 00			
	B 65 H	57 / 04	37	B 64 C	3 / 18	103R	B 64 C	25 / 00	135B	B 64 D	37 / 02	202	B 64 C	13 / 02			
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615.4	B 65 H	23 / 04	45A-45R	B 64 C	39 / 12	103S	B 64 C	25 / 40	135R	B 64 D	37 / 02	205	B 64 C	23 / 00			
	B 65 H	57 / 00	45A	B 64 C	5 / 04	103W-104R	B 64 C	25 / 50		B 64 D	37 / 04	206	B 64 C	23 / 02			
	G 03 B	1 / 42		B 64 C	5 / 12	104CS-104LS	B 64 C	25 / 58		B 64 D	37 / 12	207-208	B 64 C	21 / 04			
899	B 65 H			B 64 C	3 / 38	104R-104LS	B 64 C	25 / 00	136	B 64 D	1 / 00	207	B 64 C	3 / 00			
	G 03 D	13 / 14	49	B 64 C	3 / 56	105-106	B 64 C	35 / 00	137.1-137.2	B 64 C	1 / 22	208-209	B 64 C	21 / 06			
			50	B 64 C	25 / 50	107	B 64 C	25 / 54		B 64 D	1 / 08	210	B 64 C	9 / 16			
U.S. CLASS 244 AERONAUTICS AND ASTRONAUTICS																	
			51-52	B 64 C	15 / 00		B 64 D	25 / 18	137.3-137.4	B 64 D	1 / 12	211	B 64 C	9 / 28			
			51	B 64 C	27 / 82	108	B 64 C	25 / 52		B 64 D	19 / 02	212	B 64 C	9 / 22			
			52	B 64 B	1 / 36	109	B 64 C	25 / 00	138A	B 64 D	19 / 02	213	B 64 C	3 / 58			
			53A	B 64 D	31 / 00	110	B 64 C	25 / 00		B 64 D	17 / 00		B 64 C	9 / 00			
				B 64 F	1 / 34	110A	B 64 F	1 / 02	138R	B 64 D	1 / 02	214-215	B 64 C	3 / 50			
1A	B 64 D	45 / 02	53B	B 64 D	33 / 02	110B	F 02 K	1 / 54		B 64 D	21 / 00	216	B 64 C	9 / 16			
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	B 64 D	47 / 00		B 64 D	33 / 00	110G	B 64 C	25 / 68	142	B 64 D	19 / 00	220-223	B 64 C	13 / 04			
	B 64 F	1 / 00		B 64 D	35 / 00	110H	B 64 F	1 / 02		B 64 D	21 / 00	223	B 64 C	13 / 46			
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	B 65 D	47 / 00	57	B 64 D	33 / 10	110H-110R	B 64 F	1 / 02	144	B 64 D	19 / 00	225	B 64 C	13 / 04			
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	B 64 D	5 / 00	59	B 64 D	27 / 00	110R	B 64 C	25 / 68	146-147	B 64 D	17 / 00	226	B 64 C	13 / 48			
3	B 64 D	3 / 00	60	B 64 D	35 / 00		B 64 F	1 / 12	148	B 64 D	17 / 40	227	B 64 C	13 / 50			
	F 41 J	9 / 10	61	B 64 B	1 / 24	111-112	B 64 C	25 / 42	149	B 64 D	17 / 52	228	B 64 C	13 / 12			
3.1-3.22	F 41 G	7 / 00	62	B 64 D	37 / 00	113	B 64 C	9 / 32		B 64 D	17 / 62	229	B 64 C	13 / 26			
3.1	F 41 G	9 / 00		B 64 C	27 / 00	114B	B 64 F	1 / 26	150	B 64 D	17 / 58	230	B 64 C	13 / 26			
	F 42 B	10 / 00		B 64 C	39 / 00	114R	B 64 F	1 / 00	151A	B 64 D	17 / 30	231	B 64 C	13 / 34			
	F 42 B	15 / 00		B 64 F	1 / 04		B 64 F	1 / 36	151B	B 64 D	17 / 38	232-233	B 64 C	13 / 30			
3.12	F 41 G	7 / 20	63	B 64 C	31 / 04		E 01 F	3 / 00	151R	B 64 D	17 / 22	234	B 64 C	13 / 04			
	F 42 B	15 / 04	64	B 64 C	11 / 00	115-116	B 64 F	1 / 12		B 64 D	17 / 30	235	B 64 C	19 / 02			
3.15-3.22	F 42 B	15 / 01	65	B 64 C	27 / 52	117A	B 64 C	1 / 38	152	B 64 D	17 / 36	236	B 64 C	13 / 50			
	G 06 F	19 / 00	66	B 64 C	27 / 00		B 64 G	1 / 58		B 64 D	17 / 00	237	B 64 C	13 / 04			
3.15-3.3	F 42 B	10 / 00	67	B 64 C	11 / 00	117R	B 64 C	1 / 00			31 / 06						
3.23	F 42 B	10 / 06	68	B 64 C	27 / 46		B 64 C	30 / 00			9 / 08						
3.24-3.3	F 42 B	15 / 01	69	B 64 C	11 / 46		B 64 D		155A	A 63 H	27 / 00						
4A-4R	B 64 C	29 / 00		B 64 C	27 / 08	118.1-118.3	B 64 C	1 / 20	155R	A 63 H	27 / 08						
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	B 64 C	1 / 00		B 64 C	23 / 00	118.6	B 64 D	11 / 06	158.4-158.8	B 64 G	1 / 10	3	B 21 F	27 / 08			
6-10	B 64 C	27 / 22		B 64 C	1 / 36	119-120	B 64 C	1 / 00	158.9	B 64 G	1 / 00	4	B 21 F	31 / 00			
9-10	B 64 C	39 / 00		B 64 C	15 / 00	121	B 64 C	1 / 10	159.1-159.2	B 64 G	1 / 00	5-8	B 21 F	27 / 00			