

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 239--Con.																	
548	A 62 C	2 / 08	8	B 02 B	1 / 00	80	B 02 C	23 / 12	170-174	B 02 C	17 / 00	273.1	A 47 J	17 / 00			
	A 62 C	37 / 08		B 02 B	3 / 12	82	B 02 C	19 / 00	171-174	B 02 C	23 / 02		A 47 J	19 / 00			
	B 05 B	1 / 14	9-11	B 02 B			B 02 C	21 / 00	175	B 02 C	17 / 08	273.2	B 02 C	11 / 04			
	E 21 F	5 / 04		B 02 C	9 / 04		B 02 C	23 / 00	176	B 02 C	17 / 00		B 02 C	23 / 02			
	F 23 D	11 / 38	12-13	B 02 C	11 / 00	82.1-82.2	B 02 C	17 / 16	177-184	B 02 C	17 / 14	273.3	A 47 J	17 / 00			
	F 23 D	14 / 48		B 02 C	7 / 18	82.1	B 02 C	23 / 02	185.5-186.5	B 02 C	13 / 00	273.4	A 47 J	19 / 00			
549	B 05 B	7 / 08		B 02 C	9 / 00	82.2	A 47 J	17 / 14	185.5	B 02 C	23 / 02	274-276	B 02 C	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	274-277	B 02 C	17 / 20			
553.3	B 05 B	1 / 14		B 02 B	3 / 12	82.4-82.7	A 23 K	1 / 14	186.1	A 01 F	29 / 00		B 02 C	7 / 00			
	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		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			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		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	19 / 08	280	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			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		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	7 / 00	101.01	A 47 J	43 / 25		B 02 C	17 / 08		F 16 M				
	A 01 C	7 / 08		B 27 K	9 / 00		B 02 C		204	B 02 C	13 / 02		F 16 S				
	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		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	30	B 02 B		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		B 03 B	7 / 00	220	B 02 C	18 / 18	286	B 02 C	2 / 04			
654-655	A 01 C	15 / 04		B 02 C		101.3	B 02 C	7 / 00	221-241	B 02 C		287	B 02 C	13 / 282			
	A 01 C	3 / 06	31	B 02 C	11 / 06	101.4-101.6	B 02 C	19 / 00	222	B 02 C	1 / 08	289	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	223	B 02 C	23 / 02	290	B 02 C	2 / 04			
657-661	A 01 C	15 / 00	32-45	B 02 C	23 / 00		B 03 B	7 / 00	224-225	B 02 C	23 / 02	291-292	B 02 C	1 / 10			
	A 01 C	19 / 00	33-37	B 02 C	11 / 08	101.5-101.6	B 02 C	9 / 04	226	B 02 C	23 / 02	291	B 02 C	13 / 28			
	A 01 C	3 / 06		B 02 C	4 / 32	101.5	A 01 C	9 / 00		B 02 C	19 / 00		B 02 C	17 / 20			
	A 01 C	7 / 00		B 02 C	7 / 14	101.6	B 03 B	7 / 00		B 02 C	23 / 00		B 02 C	7 / 12			
	E 01 C	19 / 20		B 02 C	9 / 04	101.71-101.78	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		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	292.1	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			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	296	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	299	B 02 C	15 / 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		B 02 C	7 / 00			
	E 01 C	19 / 20	46.02-62	B 02 B	1 / 00	124	B 02 C	23 / 02	244	B 02 C		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							