

**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
<b>U.S. CLASS 361--Con.</b>														
688-723	H 05 K	7/20		F 27 D	21/02		F 21 V	7/00	296.09	F 21 V	7/07		F 21 S	
724	H 05 K	5/00	95-96	F 21 V	33/00	217.1-217.17	F 21 V	21/00	296.1	F 21 V	7/10		F 21 V	
725-727	H 05 K	7/16	97.1-97.3	G 09 F	13/04	218	F 21 V	29/00	297-310	F 21 V	7/00	387	F 21 V	21/00
728-729	H 05 K	7/00		G 09 F	13/08		F 21 V	7/20	311.01-311.15	F 21 V	3/00		F 21 V	27/00
730-733	H 05 K	5/00	97.4	G 09 F	13/08	219	F 21 S	4/00		F 21 V	5/00	388	F 21 V	21/00
734-735	H 05 K	7/00		G 09 F	13/10	220	F 21 S	4/00	312-313	F 21 L	19/00	389	F 21 V	21/06
736-743	H 05 K	1/14	98	A 47 B	19/00		F 21 V	19/02		F 21 V	3/00	390	F 21 V	15/04
744-747	H 05 K	7/00	99	F 21 V	33/00	221-222	F 21 S	4/00	314	F 21 L	19/00	391	F 21 V	21/00
748	H 05 K	1/00	100	E 05 B	17/10		F 21 V	23/02		F 21 V	21/00		F 21 V	21/36
	H 05 K	1/18	101	F 21 V	33/00	223-225	F 21 S	4/00		F 21 V	3/00	392	F 21 V	21/00
	H 05 K	7/00	102	A 45 B	3/02	227	B 60 Q	1/26	315-316	F 21 V	19/00		F 21 V	35/00
749-751	H 05 K	1/00		A 63 B	15/02		F 21 S			F 21 V	3/00	393	F 21 V	21/14
752-759	H 05 K	5/00	103-104	F 21 V	21/08	228	F 21 S	19/00	317	F 21 S	8/10		F 21 V	35/00
760	H 05 K	7/00	105-107	F 21 V	21/084		F 21 S	9/00	318	F 21 V	5/00	394	F 21 V	23/04
761-764	H 05 K	1/18	108	F 21 V	21/108	229	F 21 S	19/00		F 21 V	9/12	395	F 21 V	21/00
765-766	H 05 K	1/16	109	F 21 V	33/00	230-231	F 21 V	9/00		F 21 V	9/12		F 21 V	23/04
767-771	H 05 K	7/10	110-114	F 41 G	1/34	232	B 60 Q	1/26	319-325	F 21 V	17/02	396	F 21 V	21/00
	H 05 K	7/12	115	B 26 B	19/46		F 21 S		326-334	F 21 V	5/00		F 21 V	21/08
772-776	H 01 R	9/00		B 26 B	21/46	233	B 60 Q	1/124	335	F 21 V	5/04	397-398	F 21 V	21/00
777	H 05 K	7/00	116-117	F 21 V	33/00		F 21 S		336-338	F 21 V	5/00	399-400	F 21 V	21/08
778	H 05 K	1/18	118	B 43 K	29/10	234	F 21 V	33/00	339-340	F 21 V	5/02	401	F 21 V	21/20
779-783	H 05 K	7/00	119-120	B 25 B	23/18	235-241	F 21 V	1/00	341-342	F 21 V	7/00	402	F 21 V	21/18
784	H 05 K	1/11	121-124	F 21 S	6/00		F 21 V	11/00	343	F 21 V	13/02	403	F 21 V	21/36
	H 05 K	1/14	125	A 47 F	11/10	242-243	F 21 V	13/00	344	F 21 V	7/00	404-406	F 21 S	8/06
785-791	H 01 R	12/16	126	F 25 D	27/00	244-246	F 21 V	5/00	345	F 21 V	7/20	407	F 21 V	21/16
792-795	H 05 K	1/11		F 27 D	21/02	247	F 21 V	7/00	346-350	F 21 V	7/00	408	F 21 S	8/06
	H 05 K	1/14	127-134	A 47 B	23/06	248	F 21 V	1/00		F 21 V	11/00	409	F 21 V	36/00
796-802	H 05 K	7/14		A 47 B	97/00	249.01-249.19	F 21 S	4/00	352	F 21 V	1/06		F 21 V	37/00
	H 05 K	7/18		F 21 V	33/00		F 21 V	21/00		F 21 V	11/00	410-414	F 21 S	8/08
803-804	H 05 K	1/11	135-144	F 21 V	33/00	253	F 21 V	33/00	353	F 21 V	11/00	415	F 21 S	13/12
	H 05 K	1/14	145-153	F 21 S	8/00	254	F 21 V	19/04	354	F 21 V	11/02		F 21 V	36/00
805-806	G 11 C	11/00	153.1	E 01 F	9/00	255-256	F 21 V	14/00		F 21 V	11/06		F 21 V	37/00
807	H 05 K	7/02	154-155	F 21 V	33/00	257	F 21 S	6/00	355-356	F 21 V	11/00	416	F 21 V	21/14
	H 05 K	7/04	156	A 45 C	15/06		F 21 S		357	F 21 V	1/16	417	F 21 V	17/00
808	H 05 K	7/10	157	F 21 L	4/00	258	F 21 V	27/00		F 21 V	11/00		F 21 V	19/00
	H 05 K	7/12		F 21 L		259	F 21 K		358	F 21 V	1/04	418	F 21 S	8/08
809-812	H 05 K	7/02	158	F 21 L	4/00		G 02 B	27/20		F 21 V	11/00		F 21 V	19/02
	H 05 K	7/04		F 21 V	25/00	260	F 21 K		359	F 21 V	11/00	419	F 21 S	8/08
813	H 05 K	5/02		F 21 V	31/00		F 21 V	23/02	360	F 21 V	1/12	420	B 60 Q	1/06
	H 05 K	7/18	159	F 21 L	19/00	261-262	F 21 K			F 21 V	11/00	421-427	F 21 S	8/00
814-815	H 04 B	1/03	160	F 21 L	17/00		H 05 B	31/00	361	F 21 V	11/00	428	B 60 Q	1/06
	H 05 K	5/02		F 21 L	23/00	263	F 21 K		362	B 60 Q	3/04	429	F 21 V	21/10
816-818	H 05 K	9/00		F 21 V		264	F 21 S	8/00		F 21 V	15/00	430	F 21 S	8/00
819-821	H 05 K	7/00	161	F 21 L	19/00		F 21 K		363	F 21 S	13/10	431	F 21 S	13/10
822	H 01 R	9/00		F 21 V	35/00	265	F 21 V	29/00		F 21 V	15/00		F 21 S	8/00
	H 02 B	1/04	162	F 21 L	19/00		F 21 K			F 21 V	3/00	432	F 21 S	13/02
823-824	H 01 R	9/00		F 21 S	8/00	266	F 21 V	23/02	364	F 21 V	15/00		F 21 S	8/00
825	H 02 B	1/01		F 21 V			A 01 H	5/02		F 21 V	17/00	433-438	F 21 V	17/06
826-828	H 02 B	1/20	163	F 21 L	19/00	267	F 21 K	29/00	365	F 21 V	15/00	439	F 21 S	8/00
829-832	H 02 B	1/01		F 21 V	35/00	268	F 21 V	8/00	366	F 21 V	15/00		F 21 V	21/10
833	H 01 H	85/20	164-165	F 21 L	23/00		F 21 S			F 21 V	17/00	440-442	F 21 V	17/00
	H 02 B	1/18		F 21 V	25/12	269-274	F 21 V	21/26	367	F 21 S	13/10	443	F 21 V	17/06
834	H 01 H	85/20	166	A 01 M	1/04		F 21 V	21/28		F 21 V	15/00	444	F 21 V	17/04
835	H 01 H	85/22		F 21 L	19/00	275	F 21 V	21/29	368	B 60 Q	3/00	445-446	F 21 V	17/00
	H 02 B	1/18		F 21 V			F 21 V	23/04		F 21 V	11/00	447	F 21 V	17/04
836-837	H 05 K	7/00	167	F 21 V	11/00	276	F 21 V		369	B 60 Q	1/00		F 21 V	35/00
				F 21 V	9/10		F 21 V			B 60 Q	11/00	448	F 21 V	17/00
			168	F 21 L	19/00	277	F 21 S	8/00		B 60 Q	3/00	449	F 21 V	17/02
			169-170	F 21 L	19/00		F 21 V			B 60 Q	15/04	450-456	F 21 V	17/00
				F 21 V	5/00	278	B 60 Q	1/14	370	F 21 V	1/00	457	F 21 S	13/02
			171-178	F 21 L	19/00		F 21 V			B 60 Q	3/00	458	F 21 S	13/12
			179	F 21 H		279	F 21 V	14/08		B 60 Q	11/00		B 60 Q	1/124
				F 21 L	19/00		F 21 V		371	F 21 V	11/00		F 21 S	
			180	F 21 L	19/00	280	B 60 Q	1/14		B 60 Q	1/06	459	F 21 V	
1	F 21 V	7/00		F 21 S	13/00	281	F 21 S	8/00	372	F 21 V	19/02		B 60 Q	3/00
2	F 21 V	9/02		F 21 V	17/00		F 21 V		373	B 60 Q	1/06	460-462	G 01 B	13/18
3-18	G 03 B	15/02		F 21 V	19/00	282	F 21 V	17/02		F 21 V	29/00		G 01 B	21/22
19	F 21 V	9/14		F 21 V	17/00		F 21 V		374	F 21 V	21/00		G 01 B	5/00
20	F 21 V	19/04		F 21 V	21/00	283-284	B 60 Q	1/14	375	F 21 V	17/00		G 01 D	21/00
21-22	F 21 V	25/00	181	F 21 V	19/00		F 21 V		376	F 21 V	15/00	463	G 01 B	21/22
23	G 01 D	11/28	182	F 21 V	15/00	285	F 21 V	19/02	377	F 21 V	21/00		G 01 B	3/18
24	H 04 M	1/22		F 21 V	17/00	286	F 21 S	8/00	378	F 21 V	15/00		G 01 B	5/00
25	F 01 P	11/16		F 21 V	21/00		F 21 V			F 21 V	15/00		G 01 D	21/00
26-30	G 01 D	11/28	183	F 21 L	13/00	287	F 21 V	21/30	379	F 21 V	21/00	464-465	B 60 Q	1/00
33	A 61 G	13/00		F 21 L	4/00		F 21 V		380	F 21 V	11/00		F 21 V	21/28
	F 21 V	13/00	184	F 21 L	4/02	288	F 21 V	19/00		F 21 V	25/12		F 21 V	21/29
	F 21 K	2/00		F 21 V	33/00		F 21 V		381	F 21 S	37/00	466-469	B 60 Q	1/00
34	F 21 K	2/00		F 21 V	13/00	289	F 21 V	19/02	382	F 21 S			F 21 V	1/00
35	F 21 V	21/30	185-190	F 21 L	4/00		F 21 V			F 21 V	19/00	470-472	B 64 D	47/02
36	B 60 Q	1/12	191	F 21 L	4/00		F 21 V			F 21 V	21/00		B 64 F	1/20
37	B 60 Q	1/00		H 04 M	1/22	290-291	F 21 V	11/02	383	F 21 S			F 21 V	1/20
38	B 60 Q	1/12	192	B 60 Q	1/00		F 21 V			F 21 V			F 21 V	

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<b>U.S. CLASS 362--Con.</b>														
479-480	F 21 V	33/00		G 02 B	7/02	578	B 25 B	23/18	81	H 02 M	7/757	23-44	G 11 C	19/08
481	B 60 Q	1/00		G 05 D	25/00		F 21 V	5/00	82	G 05 F	1/33	45-46	G 11 C	27/00
482	B 60 Q	1/00	553	F 21 V	7/04	579	B 43 K	29/10	83	H 02 M	7/15	47	G 11 C	11/46
	B 60 Q	11/00		G 01 S	1/00		F 21 V	5/00	84-94	H 02 M	7/04		G 11 C	27/00
	B 60 Q	3/00		G 09 B	9/00		G 06 G	1/02	84-99	H 02 M	5/42	48	G 11 C	27/00
483	B 60 Q	3/04		H 01 S	3/00	580	F 21 V	29/00		H 02 M	7/68	49.1-49.11	G 11 C	15/00
	B 60 Q	1/00		H 01 S	3/30		F 21 V	5/00	95-99	H 02 M	3/24	49.12	G 11 C	15/04
	B 60 Q	11/00	554	F 21 V	7/04		G 02 B	21/26		H 02 M	7/44	49.13-49.18	G 11 C	15/00
	B 60 Q	3/00		G 02 B	6/04		G 03 B	27/52	100	H 02 P	13/00	50	G 11 C	15/02
	B 60 Q	3/02	555	F 21 V	7/04	581	A 41 F	1/00	101-105	H 02 M	7/00	51	G 11 C	5/02
	F 21 V	33/00		H 01 L	33/00		A 61 M	1/00	102-105	H 02 M	1/20	52	G 11 C	5/00
484	B 60 Q	1/00	556	D 03 D	15/00		F 21 V	17/00		H 02 P	11/00		G 11 C	
	B 60 Q	11/00		F 21 V	7/04		F 21 V	5/00	106	H 02 M	7/32	53	G 11 C	7/02
	B 60 Q	3/00		G 02 B	6/44		G 02 B	6/00		H 02 M	7/58	54	G 11 C	5/04
485-486	B 60 Q	1/00		G 09 F	13/18		G 02 B	6/36	107-108	H 02 M	7/34		G 11 C	
	B 60 Q	3/00	557	F 21 V	7/04	582	B 29 D	11/00	107	H 02 M	7/60	55	G 11 C	11/06
487-492	B 60 Q	1/00		G 02 B	17/00		F 21 V	5/00	109	H 02 M	7/60		G 11 C	
	B 60 Q	1/26		G 02 B	21/00		G 02 B	6/00	110	H 02 M	7/36	56	G 11 C	11/00
493	B 60 Q	1/00	558	F 21 V	11/00	583	F 21 S	4/00		H 02 M	7/62		G 11 C	5/02
	B 60 Q	1/26		F 21 V	7/04		F 21 V	21/30	111	H 02 M	7/06	57	G 11 C	7/02
	B 60 Q	11/00		G 02 B	5/02		F 21 V	3/00		H 02 M	7/12	58	G 11 C	11/00
494	B 60 Q	1/26		H 01 J	5/16		F 21 V	5/00	112	H 02 M	7/26	59	G 11 C	5/00
	B 60 R	1/12		H 01 P	5/00		F 21 V	7/04	113	H 02 M	7/04	60	G 11 C	11/00
495	B 60 Q	1/24	559	B 64 D	47/06	600-634	F 21 V	7/04	114	H 02 M	7/06	61	G 11 C	5/00
	B 60 Q	1/32		F 21 V	5/00	640-659	H 01 R	33/00		H 02 M	7/12	62	G 11 C	11/00
496	B 60 Q	1/00		G 09 F	13/18				115-120	H 02 M	7/00	63	G 11 C	5/06
	B 60 Q	1/26	560	A 45 D	42/10	<b>U.S. CLASS 363 ELECTRIC POWER CONVERSION SYSTEMS</b>			121-122	F 21 V	33/00	64	G 11 C	13/04
	B 60 Q	11/00		F 21 V	7/04					H 02 M	1/02	65	G 11 C	5/06
497-499	B 60 Q	1/56		G 01 D	11/28				123-125	H 02 M	7/00		G 11 C	11/42
500-501	B 60 Q	1/00		G 09 F	13/00	1-12	H 02 M		126	H 02 M	7/06		G 11 C	5/06
	B 60 Q	1/26	561	A 47 F	3/00	1	H 02 M	5/27	127	H 02 M	7/217	66-70	G 11 C	5/08
502	B 60 Q	1/00		F 21 V	7/04	2	H 02 M	7/515	128-130	H 02 M	7/155	71-72	G 11 C	5/06
	F 21 V	33/00		G 02 F	1/1335	3-6	H 02 M	7/06	131	H 02 M	7/537	73-74	G 11 C	21/00
503	B 60 Q	1/26		H 03 H	9/00	7	H 02 M	1/22	132	H 02 M	7/5387	75	G 11 C	19/00
504	B 60 Q	1/26	562	A 01 K	63/06	8	H 02 M	7/48	133-134	H 02 M	7/538	76	G 11 C	21/00
	F 21 V	21/00		B 08 B	3/00	9	H 02 K	47/22	135	H 02 M	7/515		G 11 C	21/02
505	B 60 Q	1/00		F 17 C	1/00	10	H 02 M	5/27	136-138	H 02 M	7/521	77	G 11 C	21/00
	B 60 Q	11/00		F 21 V	33/00	11	B 23 K	11/24	138	H 02 M	1/06	78-86	G 11 C	19/00
	B 60 Q	3/00		F 21 V	7/04	12	H 01 F	38/04	139	H 02 M	7/519	87-88	G 11 C	19/08
506	F 21 V	33/00	563	F 21 V	7/04	13	H 02 M	7/00	140	H 02 M	7/44	89	G 11 C	19/00
507	B 60 Q	1/00	564	F 21 S	4/00	14	H 01 F	6/00		H 02 M	7/68	90-92	G 11 C	19/06
	B 60 Q	11/00		F 21 V	7/04		H 02 M		141	H 02 M		93	G 11 C	19/00
	B 60 Q	3/00	565	A 47 G	35/00	15	H 02 J	1/00		H 05 K	7/20		G 11 C	21/02
508	F 21 V	11/00		A 63 J	17/00		H 02 M	3/00	142	H 02 M	1/10	94-96	G 11 C	17/00
509	F 21 V	1/00		F 21 S	4/00		H 02 M	3/22	143	H 02 M	7/04	97-99	G 11 C	17/02
510	F 21 V	11/00		F 21 V	7/04	16-20	H 02 M	3/335	144-147	H 02 M	1/00	100-104	G 11 C	17/00
511	F 21 V	9/00	566	A 44 C	23/00	21.01-26	H 02 M	3/335	148-149	H 02 M	5/00	105	G 11 C	17/06
512-513	F 21 V	17/02		F 21 S	4/00	27-28	H 02 M	3/315	150	H 02 M	5/32	106	G 11 C	13/00
514	F 21 V	7/00		F 21 V	7/04	29-31	H 02 M	3/00	151	H 02 M	5/00	107	G 11 C	13/02
515	F 21 S	8/10	567	A 41 G	1/00	32	H 02 M	3/34	152	H 02 M	5/06	108	G 11 C	13/04
	F 21 V	14/02		F 21 S	4/00	33	H 02 M	3/42	153	H 02 M	5/10	109	G 11 C	11/22
	F 21 V	7/00		F 21 V	7/04	34	H 02 J	3/00		H 02 M	5/14		G 11 C	13/04
516-518	F 21 V	7/00	568	A 41 G	1/00		H 02 M	5/40	154	H 02 M	5/06	110-112	G 11 C	13/04
519	B 60 Q	1/00		A 47 G	33/00	35	H 02 J	3/36	155	H 02 M	5/10	113	G 11 C	13/00
	B 60 Q	3/00		F 21 V	7/04	36-37	H 02 M	5/45	156	H 02 M	5/06	114	G 11 C	11/34
	F 21 S	8/10	569	F 21 V	5/00	36	H 02 M		157	H 02 M	5/00	115	G 11 C	11/36
	F 21 V	19/00		F 23 D	3/16	37	H 02 M	5/458	158	H 02 M	1/00	116	G 11 C	13/00
520-522	F 21 V	5/00	570	A 43 B	5/00	38	H 02 M	5/447	159	H 02 M	5/00	117	G 11 C	11/22
523-524	F 21 V	19/02		F 21 L	4/00		H 02 M	5/456	160-162	H 02 M	5/257	118-120	G 11 C	13/00
	F 21 V	21/14		F 21 S	4/00	39-48	H 02 M	1/12	163	H 02 M	5/275	121	G 11 C	13/04
525	B 60 Q	1/06		F 21 V	5/00		H 02 M	1/14		H 02 M	5/293	122	G 11 C	13/06
	F 21 S	8/10	571	A 44 C	1/00	39	H 02 J	1/02	164-165	H 02 P	11/00	123	G 11 C	11/21
	B 60 Q	1/06		A 44 C	5/00	49	H 02 M	1/00	164-166	H 02 M	5/00		G 11 C	13/04
	F 21 V	19/02		F 21 S	4/00		H 02 M		167-168	H 02 M	5/22	124-125	G 11 C	13/04
	F 21 V	21/14		F 21 V	5/00	50	H 02 H	7/10		H 02 M	5/29	126	G 11 C	11/46
527	B 60 Q	1/05	572	A 61 B	1/06	51	H 02 H	7/00	169	H 02 M	5/253	127-128	G 11 C	13/00
	B 60 Q	1/06		F 21 S	4/00	52-54	H 02 H	7/125	170	H 02 M	5/06	129-133	G 11 C	11/00
	B 60 Q	11/00		F 21 V	5/00	55	H 02 H	7/122	171-172	H 02 M	5/16	134-135	G 11 C	11/04
528-532	F 21 V	19/02		G 02 B	6/06	56.01-58	H 02 H	7/122	173	H 02 M	5/06	136	G 11 C	11/12
	F 21 V	21/14	573	A 61 B	1/06	59-61	H 02 M	3/18	174-176	H 02 M	5/32	137-138	G 11 C	11/04
534-537	B 60 Q	1/08		A 61 C	1/00		H 02 M	7/00	177	H 02 M	5/34	139	G 11 C	11/00
538	B 60 Q	1/00		A 61 C	3/00	62	H 02 M	3/06	178	B 63 H	23/24	140-144	G 11 C	11/08
	B 60 Q	3/00		F 21 V	5/00	63	H 02 M	7/02		H 02 M		145	G 11 C	11/22
539	B 60 Q	1/00		G 01 J	1/00	64	H 02 M	7/00				146-148	G 11 C	11/00
	F 21 V	11/00		G 02 F	1/00	65-72	H 02 M					149-150	G 11 C	11/24
540-542	B 60 Q	1/26	574	A 61 B	1/06	65	H 02 J	1/10	<b>U.S. CLASS 365 STATIC INFORMATION STORAGE AND RETRIEVAL</b>					
543	B 60 Q	3/04		A 61 B	3/00	66	H 02 M	7/15		G 11 C	19/08	153-159	G 11 C	11/00
	F 21 S	8/10		F 21 V	5/00	67	H 02 M	7/08	1	G 11 C	19/08	160	G 11 C	11/44
	F 21 V	11/00		G 02 B	6/06	68	H 02 M	7/10	2-4	G 11 C	5/02	161	G 11 C	11/14
	F 21 V	21/00		G 03 B	15/02	69-70	H 02 M	7/08		G 11 C	19/08		G 11 C	11/44
	F 21 V	29/00		G 03 B	29/00	71	H 02 M	7/48	5	G 11 C	19/08	162	G 11 C	11/44
544	F 21 V	29/00	575	F 21 V	5/00	72	H 02 J	1/10		H 03 K	19/00	163	G 11 C	11/00
545	F 21 S	8/10		G 02 B	21/00	73</								