

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 210--Con.						U.S. CLASS 211											
606-619	C 02 F	3/00		C 02 F	1/20				106	A 47 F	5/08	276-279	B 66 C	13/18			
620-629	C 02 F	3/02		C 02 F	1/68				106.01	A 47 F	5/00	280	B 66 C	13/30			
630	C 02 F	3/30	752	B 01 D		1	A 47 F			A 47 F	5/08		B 66 C	13/50			
631	C 02 F	9/00		C 02 F	1/68		A 47 G	25/06	107-119	A 47 F	5/08	281	B 66 C	13/18			
632	C 02 F	1/00		C 02 F	1/76	1.3	A 47 B	53/00	119.001-119.009	A 47 G	29/087		B 66 C	23/90			
633	B 01 D	11/00	753-756	C 02 F	1/76	1.51-1.57	A 47 F	3/08	119.01-119.013	A 47 G	29/087	282-283	B 66 C	13/16			
	B 01 D	3/00	757	C 02 F	1/70		A 47 F	3/11		D 06 F	53/00	284	B 66 C	13/12			
	C 02 F	1/26	758-759	C 02 F	1/72		A 47 F	5/025	119.02-119.18	D 06 F	53/00	285	B 66 C	13/40			
634	B 01 D	11/00	760	C 02 F	1/78	2	A 47 B	23/04	120	A 47 H	13/00	286	B 66 C	13/48			
	B 01 D	11/04	761-766	C 02 F	1/68		A 47 F		121-122	A 47 F	5/02		B 66 C	23/58			
	C 02 F	1/26	767	B 01 D	37/00	4-9	E 05 B	73/00	123	A 47 H	1/00	287-289	B 66 C	13/12			
	C 02 F	1/44		B 01 D	61/00	10-12	B 42 F	17/00		A 47 K	10/04	290	B 66 C	13/54			
635	B 01 D	15/08		C 02 F	1/00	13.1-15	A 47 F	7/00	124	A 47 H	13/00	291	B 66 C	11/02			
	C 02 F	1/28	768-771	B 01 D	37/00	16	A 47 K	10/00	125	B 42 F	13/12	292	B 66 C	23/62			
636	B 01 D	65/02		C 02 F	1/00	17-22	A 47 F	7/00	126.1-133.6	A 47 F	3/14	293	B 66 C	23/92			
	B 01 D		772	B 01 D	24/46	23-24	A 47 F	7/04		A 47 J	47/00	294	B 66 C	23/26			
	C 02 F	1/44		B 01 D	29/62	26-27	A 47 F	7/00	134-135	A 47 F	5/00	295-300	B 66 C	23/42			
637	B 01 D			B 01 D	33/44	28	A 47 G	29/00	144	A 47 F	5/02	299	B 66 C	23/68			
	C 02 F	1/44		C 02 F	1/00	29	A 47 F	7/00	149-153	A 47 F	5/08	301	B 66 C	23/72			
638	B 01 D	15/04	773	B 01 D	11/02	30-33	A 47 F	7/06	162	A 47 F	5/00	302-303	B 66 C	23/78			
	C 02 F	1/42		C 02 F	1/00		A 47 G	25/10	163-167	A 47 F	5/02	304	B 66 C	23/80			
639-640	B 01 D	15/00	774	B 01 D	35/18	34-38	A 47 F	7/08	168-174	A 47 F	5/12	305	B 66 C	23/78			
	C 02 F	1/44		C 02 F	1/00	39	A 47 F	13/00	175-180	A 47 F	5/00	306	B 66 C	23/72			
641	B 01 D	61/00	775	B 01 D	17/00	40	A 47 G	29/00	181.1-182	A 47 F	5/14	307-309	B 66 C	23/52			
	C 02 F	1/44		C 02 F	1/00	41.1-41.9	A 47 G	19/08	183-184	A 47 F	5/00		B 66 C	23/53			
642	B 01 D	11/04	776	C 02 F	1/40	42-43	A 47 B	65/00	186-209	A 47 B	43/00	310-311	B 66 C	23/60			
	C 02 F	1/26		E 02 B	15/00	44	A 47 F	7/18		A 47 B	47/00		B 66 C	17/00			
643	B 01 D	17/00	777-778	B 01 D	37/02	45-48	A 47 F	7/16		A 47 B	57/00		B 66 C	19/00			
	C 02 F	1/26		C 02 F	1/00	49.1	A 47 F	7/00				313	B 66 C	21/04			
644	B 01 D	11/00	779	B 01 D	37/00	50	A 47 F	7/14				314-315	B 66 C	19/00			
	B 01 D	61/00		C 02 F	1/00		B 42 F					314	B 66 C	5/04			
	B 01 D	61/24	780	B 01 D	24/28	51	B 42 F	17/02				315-316	B 66 C	17/00			
	C 02 F	1/44		C 01 D	33/00	52	B 42 F	7/14	71	B 66 C	19/00	317	B 66 C	11/10			
645-648	B 01 D	11/00	781-782	C 02 F	1/00		B 42 F		72	B 63 B	27/18	318	B 66 C	11/08			
	B 01 D	61/00		B 01 D	33/15		A 47 F		73-75	B 66 C	19/00		B 66 C	5/04			
	C 02 F	1/44		B 01 D	33/27	53	A 47 F	13/08	76-123	B 66 C	21/00	319	B 66 C	17/00			
649-651	B 01 D	61/00		B 04 B	3/00		B 42 F		166	B 66 C	11/12		B 66 C	19/00			
	C 02 F	1/44		C 02 F	1/38	54.1	A 47 F	5/08	167-168	B 66 C	23/18	320-321	B 66 C	11/16			
652	B 01 D	61/00	783	B 01 D	33/04		B 42 F		169	B 66 C	23/00	320	B 66 C	9/14			
	B 01 D	61/02		B 01 D	33/048	55	A 47 F	7/14	170	B 66 C	23/26	322-323	B 66 C	11/02			
	C 02 F	1/44		C 02 F	1/00	56	B 42 F		171	B 66 C	13/00	324-325	B 66 C	19/00			
653-655	B 01 D	61/00	784	B 01 D	33/06		A 47 F	5/02	172	B 66 C	17/00		B 66 C	5/02			
	C 02 F	1/44		C 02 F	1/00	57.1	A 47 F	5/08	173-174	B 66 C	9/14	326	B 66 C	11/12			
656-659	B 01 D	15/08	785	B 01 D	33/17		B 42 F		175	B 66 C	23/40	327	B 66 C	17/06			
	C 02 F	1/28		C 02 F	1/00	58	A 47 F	5/02	176	B 66 C	23/38	328-345	B 66 C	19/00			
660-669	B 01 D	15/00	786	B 01 D	24/32		B 42 F		177	B 66 C	23/26	346	B 66 C	11/00			
	B 01 J	39/00		B 01 D	24/36	59.1	B 42 F		178	B 66 C	23/26	347	B 66 C	23/00			
	C 02 F	1/42		C 01 D	33/46		A 47 F	5/08	179	B 66 C	23/34	348-350	B 66 C	23/04			
670-677	B 01 J	49/00		C 02 F	1/00	59.2-60.1	B 42 F		177	B 66 C	23/70						
	C 02 F	1/42	787	B 01 D	21/26		A 47 F	1/04	178	B 66 C	23/72						
678-679	B 01 D	15/00		B 04 B		61	A 47 F	7/00	179	B 66 C	23/18						
	C 02 F	1/42		B 04 C		62	A 47 G	25/12	180-181	B 66 C	23/44						
680	C 02 F	1/42		C 02 F	1/38		B 60 R	7/12	195	B 66 C	23/72						
681	C 02 F	1/42	788	B 01 D	21/26	63	A 47 G	25/12	196-198	B 66 C	23/76						
682-688	C 02 F	9/04		B 04 B		64	A 47 G	7/00	199-203	B 66 C	23/00	1A	B 61 G	5/02			
689-694	B 01 D	15/04		B 04 C	5/081		A 47 F	7/00	204	B 66 C	23/28		B 61 G	9/04			
	C 02 F	1/28		C 02 F	1/38	65-66	B 60 R	7/14	223	B 66 C	23/02	1R	B 60 T	17/04			
695	B 01 D	35/06	789	B 01 D	21/26	67-69	A 47 B	81/02	224	B 66 C	1/10		B 61 G	5/08			
	B 03 C	1/30		B 04 B		69.1	A 47 F	5/08	225-228	B 66 C	7/00		B 61 G	7/14			
	C 02 F	1/48		C 04 C		69.2	A 47 F	7/00	230-231	B 66 C	23/04		B 61 G				
696	B 03 D	3/06		C 02 F	1/38		A 47 F	7/00	232-233	B 66 C	23/06	1.3-1.6	B 61 G	5/06			
	C 02 F	1/00		G 01 N	33/49	69.3-69.9	B 43 L	27/02	234	B 66 C	23/00	2-6	B 61 G	5/02			
697-701	C 02 F	1/00	790	B 01 D	37/00		A 47 F	5/08	235	B 66 C	23/08	7	B 61 G	11/00			
702	B 01 D	21/00		C 02 F	1/00	70	A 47 F	7/00	236	B 66 C	23/60	8	B 61 G	9/00			
	C 02 F	1/52	791	B 01 D	24/46	70.1	A 47 F	1/04	237	B 66 C	23/82	9	B 61 G	9/12			
703-707	B 01 D	1/00		B 01 D	29/62		A 47 F	7/00	238	B 66 C	23/00		B 61 G	9/02			
	B 03 D	1/00		B 01 D	33/44	70.2	A 47 F	7/00	239-241	B 66 C	23/82		B 61 G	9/04			
	C 02 F	1/24		B 01 D	35/22	70.3	A 63 B	55/00	242	B 66 C	1/00	10-49	B 61 G	11/00			
708	B 01 D	17/04		B 01 D	41/00		A 47 F	1/04	243	B 66 C	1/42		B 61 G	9/00			
	B 01 D	21/00		C 02 F	1/00	70.4	E 21 B	19/14	245-248	B 66 C	3/00	50-61	B 61 G	7/10			
	C 02 F	1/00	792-798	B 01 D	24/46		A 47 F	7/00	249	B 66 C	23/84		B 61 G	9/20			
709-722	B 01 D	21/00		B 01 D	29/62	70.5-70.8	A 47 F	7/00	250	B 66 C	23/18		B 61 G	9/00			
	C 02 F	1/52		B 01 D	33/44	71.01-73	A 47 G	29/00	251	B 66 C	23/00	73	B 61 G	9/12			
723-738	B 01 D	21/01		C 02 F	1/00	74-77	A 47 B	73/00		B 66 C	1/00	74	B 61 G	1/10			
	B 03 D	3/00	799	B 01 D	17/02		A 47 F	7/00	252	B 66 C	3/00	75A	A 63 H	19/18			
	C 02 F	1/52		C 02 F	1/00	78-85	A 47 G	29/00	253	B 66 C	23/00		B 61 G	7/04			
739-746	C 02 F	1/00	800-803	B 01 D	21/00	85.1	A 47 F	7/02	255	B 66 C	23/84		B 61 K	7/06			
747.1-747.9	C 02 F	1/00		B 01 D	24/00	85.11-85.14	A 47 F	7/00	256	B 66 C	23/06	75B	B 61 F	19/04			
748.01	C 02 F	1/00		B 01 D	29/00	85.15-85.19	A 47 G	29/00	257	B 66 C	23/10		B 61 G	1/28			
	C 02 F	1/34		C 02 F	1/00	85.2	A 47 F	7/02	258	B 66 C	7/00		B 61 G	1/36			
	C 02 F	1/48	804	B 01 D	21/26		A 47 G	29/00	259	B 66 C	23/26	75D-75R	B 61 G	5/00			
748.02-748.05	C 02 F	1/34		C													

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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 213--Con.														
175-219	B 61 G	1/00	323-325	B 65 D	41/00	3BC	B 65 D	25/14		B 65 D		67	B 23 K	31/02
211-219	B 61 G	3/00	323	B 65 D	45/30		B 65 D	25/16	123	B 65 D	25/38	68-69.13	B 23 H	1/00
	B 61 G	7/00	326	B 65 D	41/14		B 65 D	85/32		B 65 D		68	B 23 H	11/00
220-223	B 61 G	11/00		B 65 D	41/44	3C	B 65 D	25/02	124	B 65 D	45/28		B 23 H	5/00
224	B 61 G	7/04	327-328	B 65 D	41/00		B 65 D	25/16		B 65 D			B 23 H	7/00
U.S. CLASS 215 BOTTLES AND JARS														
2	B 65 D	1/06	329-331	B 65 D	41/04		B 65 D	85/34	125	B 65 D	25/28		B 23 H	9/00
	B 65 D	1/20		B 65 D	41/34	3CB	B 29 C	63/34		B 65 D	25/32		B 23 K	15/08
3-5	B 65 D	23/00	332	B 65 D	41/06		B 65 D	25/16	126	B 65 D	25/20		B 23 K	9/013
	B 65 D	47/34		B 65 D	41/36	3CV	B 65 D	25/02	127	B 65 D	81/00	69.1-69.11	B 23 K	9/00
	B 67 C	9/00	333-334	B 65 D	41/04		B 65 D	85/34		B 65 D	85/00	69.12	B 23 H	7/00
6	B 65 D	1/04		B 65 D	41/34	3FC	B 26 F	1/20	128	B 65 D	81/38	69.13	B 23 H	7/14
10	B 65 D	21/00	335	B 65 D	41/00		B 65 D	19/16	129	B 65 D	81/18	69.14	B 23 H	1/08
11.1	A 61 J	11/00	336-340	B 65 D	41/04		B 65 D	25/16		B 65 D	81/38		B 23 H	1/10
	A 61 J	9/00		B 65 D	41/34	3R	B 65 D	25/14	130	B 65 D	81/18	69.15	B 23 H	1/04
	A 61 J	9/02	341-352	B 65 D	53/00		B 65 D	25/16	131	B 65 D	6/10		B 23 H	1/06
11.2	A 61 J	9/00	353-354	B 65 D	41/00	4	B 65 D	88/00		B 65 D	81/18	69.16	B 23 H	7/00
11.3-11.4	A 61 J	9/00	355	B 65 D	39/00	5	B 65 D	21/02		B 65 D	81/38	69.17	B 23 H	5/00
11.5	A 61 J	11/02	356-357	B 65 D	39/08	6	B 65 D		U.S. CLASS 218 HIGH-VOLTAGE SWITCHES WITH ARC PREVENTING OR EXTINGUISHING DEVICES					
	A 61 J	9/04		B 65 D	39/10	7-10	B 65 D	25/04	1	H 01 H	33/00		B 23 K	9/00
11.6	A 61 J	9/08	358-362	B 65 D	39/12		B 65 D	25/10	2-7	H 01 H	33/14	69.18-69.19	B 23 H	1/02
12.1-12.2	B 65 D	23/00	363	B 65 D	3/14	11	B 65 D	85/00	8-21	H 01 H	9/40	69.2	B 23 H	7/30
12.1	A 47 J	41/02		B 65 D	3/16	12A	B 65 D	5/00		H 01 H	33/12		B 23 K	11/12
13.1	A 47 J	41/00	364	B 65 D	39/02	12R	B 65 D	19/02		H 01 H	33/66		B 23 K	9/24
14-16	B 65 D	47/02	365-367	A 61 J	1/00	13	B 65 D	6/00	1	H 01 H	9/30	70	B 23 K	9/30
	B 65 D	49/00		B 65 D	23/00	14-16	B 65 D	6/16	2-7	H 01 H	33/14	71	B 23 K	37/00
17-30	B 65 D	49/02	370-373	B 65 D	90/02		B 65 D	8/14		H 01 H	9/40	72	B 23 K	13/06
40	B 65 D	1/02	374-377	B 65 D	90/12	17	B 65 D	6/14	8-21	H 01 H	33/12		B 23 K	35/38
41	B 65 D	23/06	378-385	B 65 D	90/12	18-34	B 65 D	25/02		H 01 H	33/66		B 23 K	9/16
42	B 65 D	1/46	386	B 65 D	23/12		B 65 D	81/00		H 01 H	9/38	73-73.1	B 23 K	25/00
43-44	B 65 B	7/28	387-389	B 65 D	83/00	35	B 65 D	85/00	22-42	H 01 H	33/18	73	B 23 K	9/18
45	B 65 D	41/00	390-391	B 65 D	23/12		B 65 D	85/30		H 01 H	9/44	73.11	B 23 K	9/04
46	B 65 B	43/38	392	B 65 D	23/06	36	B 65 D	21/02	43-56	H 01 H	33/00	73.2	B 23 K	9/18
47-48	B 65 D	1/02	393	B 65 D	23/12		B 65 D		57-67	H 01 H	33/88	73.21	B 23 K	9/04
49	B 65 D	49/00	394	B 65 D	23/00	37-38	B 65 D	85/68	68-80	H 01 H	33/70	74-75	B 23 K	35/38
50-53	B 65 D	39/00	395	B 65 D	23/12	40	B 65 D	85/34	81-88	H 01 H	33/04	74	B 23 K	9/00
54	B 65 D	45/00	396-398	B 65 D	23/10	42	B 65 D	6/08		H 01 H	9/30	75	B 23 K	9/16
55	B 65 D	45/22	399	B 65 D	23/12	43A	B 65 D	81/24	89	H 01 H	33/06		B 23 K	9/24
200	B 65 B	7/28	400	B 65 D	23/00		B 65 D	19/06		H 01 H	33/60	76.1	B 23 K	9/04
	B 65 D	35/44	U.S. CLASS 216 ETCHING A SUBSTRATE: PROCESSES											
	B 65 D	51/00	2-3	C 23 F	1/00	43R	B 65 D	6/16	90	H 01 H	33/76	76.11	B 23 K	9/32
201-206	A 61 J	1/00	4-5	H 05 B	33/10	44-48	B 65 D	6/16	91-116	H 01 H	33/00	76.12	B 23 K	9/04
	A 61 J	1/03	6	H 01 G	13/00	49	B 65 D	8/00	117	H 01 H	33/06	76.13	B 23 K	28/00
201	B 65 D	55/02		H 01 G	4/00	51	B 65 D	6/08		H 01 H	33/06	76.14	B 23 K	9/04
207	B 65 D	55/14		H 01 G	5/00	52-55	B 65 D	81/02	118-142	H 01 H	33/16	76.15	B 23 K	10/00
208-225	B 65 D	55/02		H 01 G	7/00	56	B 65 D	85/30	143-145	H 01 H	9/42	76.16	B 23 K	9/18
208	B 65 D	50/02		H 01 G	9/00	57-58	B 65 D	43/16	146-147	H 01 H	33/02	76.17	B 23 K	11/00
209	B 65 D	50/08		H 01 G	9/00	59	B 65 D	43/20		H 01 H	33/08	77	B 23 K	9/04
226-257	B 65 D	39/00		H 01 G	37/00	60B	A 24 F	15/00	148	H 01 H	33/20	78.01-78.15	B 23 K	11/00
	B 65 D	41/00	7	C 03 C	25/68		B 62 D	25/12	149-151	H 01 H	33/00	78.16	B 23 K	9/00
	B 65 D	43/00	8-10	B 32 B	1/08		B 65 D	43/16		H 01 H	9/30	79-80	B 23 K	11/00
	B 65 D	47/00	8-12	C 44 C	1/22	60E	E 05 C	17/32	152-153	H 01 H	33/28	81-84	B 23 K	11/06
	B 65 D	51/00	11-12	C 25 F	3/00		E 05 F	1/10	152-158	H 01 H	33/02	85.1	B 23 K	1/002
258	B 65 D	53/00	13-21	H 01 B	13/00	60C-60D	A 45 C	13/34	154	H 01 H	3/00	85.12	B 23 K	1/015
259	B 65 D	51/16	22	C 40 C	1/22		E 05 C	17/08		H 01 H	33/34	85.13-85.15	B 23 K	3/00
260	B 65 D	53/00	23	C 30 B	33/00	60F	E 05 F	17/32	155-158	H 01 H	33/08	85.14-85.15	B 23 K	1/015
261	B 65 D	51/16	24-26	B 29 D	11/00		E 05 C	17/10				85.16-85.17	B 23 K	3/00
262	B 65 D	55/00	27	G 01 D	15/00		E 05 F	1/10	U.S. CLASS 219 ELECTRIC HEATING					
	B 65 D	39/00		G 11 B	5/127	60G	A 45 C	13/34	50-53	H 05 B	1/00	85.17-85.19	B 23 K	1/00
263-265	B 65 D	47/02	28-38	B 44 C	1/22		E 05 F	1/10	50	B 23 K	9/067	85.17	B 23 K	31/02
263-268	B 65 D	49/00	33-36	C 03 C	15/00	60R	A 45 C	13/34		B 23 K	9/073	85.18	B 23 K	1/19
	B 65 D	39/06		C 03 C	25/68		B 65 D	43/24		H 05 B	11/00	85.19	B 23 K	31/02
266	B 65 D	39/00	39	B 23 P	15/00		E 05 F	1/10		H 05 B	3/00	85.2	B 23 K	35/00
267-268	B 65 D	39/00		C 03 C	25/00	61	B 65 D	43/24		H 05 B	7/00	85.21	B 23 K	3/06
269	B 65 D	39/12		C 23 F	1/00	62-63	B 65 D	43/12		H 05 B	3/02		B 23 K	35/02
270-271	B 65 D	53/00		B 44 C	1/22	64	B 65 D	25/02	51	B 21 L	3/00	85.22	B 23 K	1/00
271	B 65 D	39/12	40-53	C 03 C	15/00	65	B 65 D	25/00	52	B 23 K	9/00	86.1-86.21	B 23 K	9/28
272	B 65 D	45/32	41-51	C 03 C	25/68		B 65 D		54	B 23 K	9/007	86.22	B 23 K	9/10
273-282	B 65 D	45/00		C 23 F	1/00	66-71	B 65 D	6/34		B 23 K	11/00	86.23	B 23 K	9/18
277-278	B 65 D	41/62	54-55	C 03 C	25/68		B 65 D	63/00	55-56	B 23 K	11/00	86.24	B 23 K	9/28
	B 65 D	51/18	56	B 31 D	3/00	72-74	B 65 D	25/00	56	B 23 K	15/00	86.25	B 23 K	9/32
283-285	B 65 D	45/24	57-58	B 44 C	1/22		B 65 D	8/00		B 23 K	9/00	86.26	B 23 K	37/02
286	B 65 D	45/04		C 03 C	15/00		B 65 D	8/16		B 23 K	11/16	86.31	B 23 K	9/28
287-290	B 65 D	45/16		C 03 C	25/68		B 65 D	25/02	56.1-56.22	B 23 K	11/00	86.32	B 23 K	9/28
291	B 65 D	45/32		C 23 F	1/00	75	B 65 D	25/02	57-58	B 23 K	1/00	86.33	B 23 K	11/10
292	B 65 D	39/02		G 01 L	21/30	76-77	B 65 D	43/00		B 23 K	15/00		B 23 K	11/30
293-294	B 65 D	45/16	59-61	G 01 R	31/00	78-80	B 65 D	39/12	57-59.1	B 23 K	9/00	86.41	B 23 K	9/12
294-301	B 65 D	39/00		B 44 C	1/22	81-85	B 65 D	43/00	57	B 23 K	11/02	86.51	B 23 K	37/02
295	B 65 B	43/38	62-109	C 23 F	1/00	86	B 65 D	25/02		B 23 K	11/04	86.61	B 23 K	9/12
	B 65 B	43/40		C 03 C	15/00	87	B 65 D	43/00	58-59.1	B 23 K	11/00	86.7	B 23 K	37/02
	B 65 D	41/00	62-73	C 03 C	25/68	88	B 27 H	3/00	60A-60R	B 23 K				