

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 37--Con.														
414	G 05 B	19/02	66	D 06 F	71/36	343	B 41 J	11/36	479	G 09 F	11/02	664-665	G 09 F	3/14
	G 05 B	19/06		D 06 F	83/00		B 41 J	13/00	480	G 09 F	13/00	666	G 09 F	3/16
415	G 05 D	1/08	67-68	D 06 F	71/32	344-346	B 41 J	11/38	481-485	G 09 F	19/00	667	G 09 F	3/08
416	G 05 D	1/00	67	D 06 F	67/06		B 41 J	13/02	486-488	G 09 F	7/00	668	G 09 F	3/12
417-422	E 02 F	3/65	68	D 06 F	67/00	347-348	B 41 J	11/38	489-491	G 09 F	11/00	669	G 09 F	3/04
420	B 65 G	33/00		D 06 F	69/02		B 41 J	15/02	492	G 09 F	7/00	670	G 09 F	23/00
	E 02 F	3/06	69-73	A 47 G	25/00	349-351	B 41 J	11/14	493-494	G 09 F	11/02	671-675	G 09 F	3/10
422	B 65 G	17/00		E 04 H	15/20	352-357	B 41 J	11/64	495-496	G 09 F	11/04	700-738	A 47 G	1/06
423-424	E 02 F	9/22	74-77.1	D 06 F	75/00		B 43 M	3/00	497-501	G 09 F	11/02	739-742	A 47 G	1/08
423	B 65 G	23/04	77.2-77.4	D 06 F	75/06	359-360	B 42 F	21/00	502	G 09 F	13/00	743-744	A 47 G	1/06
	B 65 G	39/00	77.2	D 06 F	75/10		B 65 D	27/00	503-507	G 09 F	11/02	745-759	A 47 G	1/16
425	G 05 B	19/43	77.3	D 06 F	75/32	361-364	G 02 B	27/02	508-511	G 09 F	11/30	760	A 47 G	1/17
426-433	E 02 F	3/65	77.4	D 06 F	75/10	365	G 02 B	27/04	512	G 09 F	11/32	761-764	A 47 G	1/16
428	G 05 B	19/43	77.5	D 06 F	75/00	366-367	G 02 B	27/02	513	G 09 F	11/30	765-781	A 47 G	1/06
430	G 05 B	19/43	77.6-77.9	D 06 F	75/06	368-369	G 09 F	9/00	514-523	G 09 F	11/18	782-785	A 47 G	1/10
434	B 62 B	1/00	77.6	D 06 F	75/12	370	G 09 F	21/04	524-528	G 09 F	11/12	786-800	A 47 G	1/06
	E 02 F	3/02	77.7	D 06 F	75/10	371	B 42 D	5/04	529	G 09 F	11/00	908-915	G 09 F	
435-436	E 02 F	3/64	77.8-77.82	D 06 F	75/14		B 42 F		530-537	G 09 F	19/00			
437-438	E 02 F	3/65	77.83	D 06 F	75/18	372	B 42 F	17/06	538-540	G 09 F	1/08			
438	E 02 F	9/22	77.9	D 06 F	75/20	373-374	B 42 F	17/00	541	G 09 F	13/00			
	G 05 B	19/43	79	D 06 F	75/40		B 42 F		542	G 09 F	13/20			
439-441	E 02 F	3/64	80-81	D 06 F	75/00	375	B 42 F	17/34	543	G 09 F	13/00	1.01	F 41 A	9/53
442	E 02 F	3/28	82	D 06 F	75/02		B 42 F		544	G 09 F	13/22	1.02-1.03	F 41 A	9/62
443	E 02 F	3/32		D 06 F	75/08	376	B 42 F	17/32	545	G 09 F	13/26	1.04-1.05	F 41 A	9/53
444	E 02 F	3/40	83	D 06 F	75/04		B 42 F		546	G 09 F	13/18	1.06	F 41 A	21/00
445	E 02 F	3/407	84-87	D 06 F	75/02	377	A 47 B	49/00	547-549	G 09 F	13/00		F 41 A	25/00
446-447	E 02 F	3/36	88-89	D 06 F	75/36	378	B 42 F	17/34	550-551	G 09 F	13/28	1.07	F 41 A	3/00
448-459	E 02 F	9/28	90-92	D 06 F	75/34	379	B 42 F	13/12	552-558	G 09 F	13/00	1.071	F 41 C	27/00
460	E 02 F	3/00	93	D 06 F	75/38	380	B 42 F	17/02	559	G 09 F	13/02	1.08	F 41 C	9/00
461	B 66 C	3/02	94-95	D 06 F	79/00		B 42 F		560-563	G 09 F	13/00	1.09	F 41 C	9/02
	E 02 F	3/413	96	D 06 F	75/40	381	B 42 F	17/34	564-565	G 09 F	13/04	1.11	F 41 C	9/00
462-463	E 02 F	3/08	97	D 06 F	75/38	382-383	B 42 F	17/04	566-567	G 09 F	23/00	1.12	F 41 C	3/02
463	B 65 G	15/30	98	D 06 F	79/00	384	B 42 F	21/00	568-578	G 09 F	13/04	1.13	F 41 C	9/00
464	E 02 F	3/10	99	A 47 G	25/00	385-387	B 42 F	17/28	579-580	G 09 F	13/06	1.14	F 41 C	9/06
465	E 02 F	3/14		A 47 G	25/72	388	B 42 F	17/00	581	G 09 F	13/00	1.15	F 41 C	27/06
	E 02 F	9/28	100-101	D 06 F	75/00	389	B 42 F	17/20	582-583	G 09 F	13/16	1.16	F 41 C	9/00
466	E 02 F	3/00	102	D 06 C	3/00	390	B 42 F	17/00	584-585	G 09 F	7/00	2-5	F 41 A	3/00
467	E 02 F	3/64	102.1	D 06 C	3/08	391	B 42 F	17/22	586	G 09 F	21/02		F 41 C	7/00
468	E 02 F	3/96	102.2	D 05 C	1/04	392	B 42 F	17/18	587-593	G 09 F	21/04	6-7	F 41 A	9/61
			102.21	D 06 C	3/06	393	B 42 F	21/00	594	G 09 F	7/12	8-41	F 41 C	7/00
			102.3-102.91	D 06 C	3/08	394	B 42 F	17/18	595	G 09 F	7/16	8-45	F 41 A	3/00
			103-139	D 06 F	81/00	395-398	B 42 F	17/22	596-597	G 09 F	7/00	16.1	F 41 C	27/00
			140	D 06 F	81/14	399	B 42 F	1/10	598	A 63 B	71/06	25	F 41 A	15/00
				D 06 F	83/00		B 42 F	3/00	599	G 09 F	23/00	43	F 41 C	7/00
1A	D 06 F	67/00	141	D 06 F	79/00		B 42 F	5/00	600	G 09 F	7/04	46-48	F 41 A	15/00
	D 06 F	73/02	142	D 06 F	79/02	400	B 42 F	17/22	601-602	G 09 F	7/00	49.01-50	F 41 A	9/61
1B	D 06 F	71/30	143	D 06 F	67/04	401-402	B 42 F	13/00	603-604	G 09 F	17/00	49.1	F 41 C	27/00
1C-1D	D 06 F	71/04	144	D 06 F		403	B 42 F	17/22	605	G 09 F	7/00	51	F 41 C	7/00
1C-1R	D 06 F	67/00		D 06 M	15/423	404	B 42 F	3/00	606.01-607.15	G 09 F	15/00	52	F 41 C	9/04
1R	D 06 F	71/32				405	B 42 F	5/00		G 09 F	15/02	53	F 41 C	9/00
	D 06 F	89/00				406-410	G 09 F	19/00	608	G 09 F	15/00	54-55	F 41 C	3/00
2-4	D 06 F	61/00				411-425	G 09 F	19/08	609	G 09 F	23/00	54-58	F 41 C	3/06
	D 06 F	63/00				426	G 09 F	19/00	610	G 09 F	15/00	54	F 41 A	33/00
	D 06 F	65/00				427	A 47 F	11/06	611.01-611.13	G 09 F	7/00	57	F 41 C	3/08
	D 06 F	69/00					B 44 F	1/00	612	G 09 F	7/00	58	F 41 C	3/00
2-7	D 06 F	71/00	1	G 09 F	11/00		G 09 F	19/12		G 09 F		59-65	F 41 C	3/14
3	D 06 F	87/00	1.5-1.6	A 44 C	3/00	428-430	G 09 F	19/00	613-615	G 09 F	19/00	60	F 41 A	9/61
6-7	D 06 F	61/00	5-6	G 09 F	3/20	431	G 09 F	13/00	616	G 09 F	7/00	66-67	F 41 A	17/00
	D 06 F	63/00	27-27.5	G 09 F	3/02	432	G 09 F	13/30		G 09 F		68	F 24 H	9/06
	D 06 F	65/00	107	G 09 D	3/00	433-434	G 09 F	13/00	617	G 09 F	7/22		F 41 A	15/00
	D 06 F	69/00	109	G 09 D	3/10	435-441	G 09 F	19/00	618	G 09 F	7/02	69.01	F 41 A	19/00
8-11	D 06 F	69/02	110	G 09 D	3/00	442-444	G 09 F	13/00	619-620	G 09 F	7/00	69.02-69.03	F 41 A	3/00
12-13	D 06 F	71/40	111-112	G 09 D	3/06	445	G 09 F	19/00	621	G 09 F	7/04	70.01-70.11	F 41 A	17/00
14-16	D 06 F	71/34	113	G 09 D	3/08	446	G 09 F	9/37	622	G 09 F	7/06	71.01-74	F 41 C	23/00
17	D 06 F	71/00	114	G 09 D	3/06		G 09 F		623	G 09 F	7/00	75.01-79	F 41 A	21/00
18	D 06 F	71/08	115	G 09 D	3/08		G 09 F		624	G 09 F	15/00	75.1	F 41 C	27/00
19-21	D 06 F	71/00	116-118	G 09 D	3/10	447	G 09 F	3/04	625-629	G 09 F	3/02	76.1	F 41 C	27/00
22	D 06 F	71/08	119	G 09 D	3/04	448-449	G 09 F	9/00	630	G 09 F	3/04	79	F 41 C	27/00
23-24	D 06 F	71/00	120	B 42 D	5/04	450-452	G 09 F	3/04		G 09 F	3/10	83	F 41 A	17/00
25	D 06 F	71/08		G 09 D	3/04	453	G 09 F	19/14	631-632	G 09 F	3/02	84	F 41 A	19/00
26	D 06 F	71/00	121	G 09 D	3/04	454	G 03 B	25/02	633	A 44 C	5/00	85	F 41 C	23/00
27	D 06 F	71/08	122	G 09 D	3/02	455-457	G 09 F	27/00		A 61 B	5/103		F 41 C	23/02
28-31	D 06 F	71/00	124	G 09 F	1/10	458	G 09 F	19/00		A 61 B	5/117	86	F 41 C	27/00
32-41	D 06 F	71/08	124.01-124.191	G 09 F	1/00	459-460	G 09 F	19/04	634	A 44 B	15/00		F 41 C	27/18
42-43	D 06 F	71/00	124.2-124.4	G 09 F	1/10	461	G 09 F	19/00		G 09 F	15/00		F 41 H	5/10
44-45	D 06 F	67/00	124.5	G 09 F	19/00	462	G 09 F	21/04	635-637	G 09 F	23/00	87-89	F 41 A	9/61
44-46	D 06 F	61/00	200-203	G 09 F	7/00	463	G 09 F	9/37	638	G 09 F	3/10		F 41 A	9/82
45	D 06 F	63/00	204	G 09 F	13/02		G 09 F		639-640	G 09 F	23/00	90-94	F 41 C	27/00
47	D													

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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 42--Con.														
119-129	F 41 G	1 / 38	92	A 01 M	23 / 24	359-360	C 10 L	1 / 18		F 26 B			A 01 G	17 / 06
130-148	F 41 G	1 / 00		A 01 M	23 / 28	361	C 10 L	1 / 30	630	C 10 F	7 / 00	58.1LS	A 01 G	29 / 00
			93-96	A 01 M	23 / 00	362-364	C 10 L	1 / 18	631	E 21 C	49 / 00	58.1R	A 01 B	79 / 00
			97	A 01 M	23 / 28	362	C 10 L	1 / 24	632	A 01 D	84 / 00		A 01 B	79 / 02
			98-99	A 01 M	19 / 00	365	C 10 L	1 / 24	633	C 10 F	7 / 02		A 01 C	1 / 00
				A 01 M	23 / 38	366	C 10 L	1 / 26	634-636	B 28 B			A 01 G	1 / 00
				H 05 C	3 / 00	367	C 10 L	1 / 22		B 30 B	11 / 00		A 01 H	3 / 00
			100-101	A 01 K	69 / 00	368	C 10 L	1 / 30		C 10 L	5 / 22	58.1SC	A 01 G	9 / 10
			102-104	A 01 K	71 / 00	369-374	C 10 L	1 / 24	634	B 30 B	15 / 00		C 05 D	9 / 00
			105	A 01 K	69 / 10	375-382	C 10 L	1 / 26	635	B 30 B	15 / 30		C 09 K	17 / 14
			106	A 01 K	69 / 04	383	C 10 L	1 / 24	636	C 10 L	5 / 44	58.1SE	A 01 C	1 / 00
			107	A 01 M	1 / 20	384	C 10 L	1 / 22	639	C 10 L	5 / 00		A 01 G	7 / 00
			108	A 01 M	1 / 18	385-390	C 10 L	1 / 18	640-642	C 10 L	10 / 00		A 01 H	4 / 00
			109-111	A 01 M	1 / 10	387	C 10 L	1 / 22	643	A 24 F	29 / 00			31 / 00
			112	A 01 M	1 / 22	390	C 10 L	1 / 24				65	A 01 G	31 / 02
				H 05 C	3 / 00	391-392	C 10 L	1 / 22	U.S. CLASS 47					
			113	A 01 M	1 / 04	393-394	C 10 L	1 / 18	PLANT HUSBANDRY					
				A 01 M	1 / 08	394	C 10 L	1 / 22	1.01D	A 01 G	17 / 08		A 47 G	7 / 02
			114-117	A 01 M	1 / 14	395	C 10 L	1 / 14		A 01 G	9 / 08	68	A 01 G	9 / 02
			118	A 01 M	1 / 10	396-398	C 10 L	1 / 18		A 01 G	9 / 10	69	A 01 G	9 / 14
			119	A 01 M	1 / 24	399	C 10 L	1 / 22	1.01F	A 01 C	1 / 04	70	A 01 G	9 / 12
			120-123	A 01 M	1 / 10	400-404	C 10 L	1 / 18		A 01 C	1 / 04	71	A 01 G	9 / 04
				A 01 M	1 / 20	400	C 10 L	1 / 24		A 01 G	1 / 00	72	A 01 G	9 / 02
				A 01 M	13 / 00	405-409	C 10 L	1 / 22	1.01P	E 01 C	13 / 08	73-75	A 01 G	23 / 02
				A 01 M	17 / 00	408-409	C 10 L	1 / 18		A 01 C	5 / 06	76	A 01 G	23 / 04
				A 01 M	19 / 00	410	C 10 L	1 / 00		A 01 C	7 / 04	77	A 01 G	9 / 10
				A 01 M	25 / 00	411	C 10 L	1 / 18	1.01R	A 01 G	9 / 10	78	A 01 G	9 / 02
				A 01 M	5 / 00	412-422	C 10 L	1 / 22		A 01 C		79-82	A 01 G	25 / 00
				A 01 M	7 / 00	417-419	C 10 L	1 / 24		A 01 G	17 / 08	83-87	A 01 G	9 / 02
			124	A 01 M	1 / 24	423	C 10 L	1 / 00		A 01 G	9 / 08	88	A 01 G	13 / 06
				A 01 M		424-434	C 10 L	1 / 22	1.01S	A 01 G	17 / 08	89	A 01 G	1 / 00
			125-127	A 01 M	13 / 00	427-428	C 10 L	1 / 24		A 01 G	9 / 08	901	A 01 C	
				A 01 M	19 / 00	433-435	C 10 L	1 / 24		A 01 G	17 / 08		A 01 G	
			128	A 01 K	55 / 00	435	C 10 L	1 / 26		A 01 G	9 / 08			
			129-130	A 01 M	19 / 00	436-453	C 10 L	1 / 18	1.01T	A 01 G	17 / 00		U.S. CLASS 48	
				A 01 M	1 / 20	454-455	C 10 L	1 / 30	1.1	A 01 G	1 / 04		GAS: HEATING AND	
				A 01 M	25 / 00	455	C 10 L	1 / 12	1.3	A 01 C	1 / 00		ILLUMINATING	
			132.1-133	A 01 M	5 / 00	456	C 10 L	1 / 20	1.4	A 01 G	7 / 04	1	C 07 C	11 / 24
			132.1	A 01 M	17 / 00	457-458	C 10 L	1 / 12		A 01 G	7 / 00	2	C 10 H	
				A 01 M	7 / 00	459	C 10 L	1 / 16	1.41	A 01 H	13 / 00	3A	C 10 H	5 / 00
			134-135	A 01 M	3 / 00	490	C 10 F	5 / 00		A 01 G	7 / 00	3R	C 10 H	3 / 00
			134-137	A 01 M	5 / 02				1.42	A 01 H	1 / 02	4	C 10 K	3 / 06
			136	A 01 M	3 / 04	491	C 10 F	7 / 06		A 01 B	77 / 00		C 10 H	1 / 00
			137	A 01 M	3 / 02	492	C 10 F	5 / 00	1.43	A 01 G	11 / 00		C 10 H	
			138	A 01 M	5 / 04				1.44	A 01 B	41 / 00	5-9	C 10 H	5 / 00
			139-140	A 01 M	5 / 00	500-505	C 10 L	5 / 00	1.5	A 01 M	15 / 00	10	C 10 H	5 / 04
			139-143	A 01 M	5 / 08	506	C 06 C	9 / 00		A 01 G			C 10 H	5 / 08
			139	A 01 M	1 / 06	507-509	C 06 F	5 / 00	1.7	A 01 C	21 / 04	11	C 10 H	19 / 02
				A 01 M	1 / 08	507	C 06 F	3 / 00		A 01 G			C 10 H	5 / 00
			142-143	A 01 M	5 / 04	508-509	A 24 F	27 / 12		A 01 M		12-18	C 10 H	5 / 00
			144	A 01 M	1 / 20	510	A 24 F	27 / 26		A 01 C	7 / 00	19-22	C 10 H	7 / 00
				A 01 M	15 / 00	511	C 06 F	3 / 02	2	A 01 G	13 / 00	23-27	C 10 H	1 / 00
						512	A 24 F	27 / 12	3-5.5	A 01 G	7 / 00		C 10 H	3 / 00
						519	C 06 C	5 / 00	6-7	A 01 G	1 / 00	28	C 10 H	1 / 02
						520-522	C 10 L	11 / 00	8	A 01 G	17 / 18		C 10 H	3 / 00
						530	C 10 L	5 / 36	9	A 01 G	7 / 00	29-33	C 10 H	1 / 00
			250-251	C 06 B	33 / 00	531-545	C 10 L	11 / 00	10-12	A 01 G	23 / 10	34-35	C 10 H	3 / 00
			252-253	C 09 K	5 / 00	550	C 10 L	5 / 00	14-16	A 01 C	1 / 00		C 10 H	1 / 00
				F 24 J	1 / 00	551	C 10 L	5 / 10	17-18	A 01 G	9 / 00		C 10 H	19 / 02
			265-275	C 10 L	7 / 00	552	C 10 L	5 / 42	19.1-19.2	A 01 G	9 / 20		C 10 H	3 / 00
				C 10 L	5 / 00				20.1	A 01 G	13 / 02	36	C 10 H	1 / 00
				C 11 C	5 / 00	553	C 10 L	5 / 14	21.1	A 01 G	25 / 00		C 10 H	21 / 08
			280-300	C 10 L	1 / 10	554	C 10 L	5 / 00	22.1-29.7	A 01 G	13 / 02		C 10 H	3 / 00
			281-282	C 10 L	1 / 32	555-557	C 10 L	5 / 14	30-31	A 01 G	13 / 00	37	C 10 H	1 / 02
			301-302	C 10 L	1 / 32	555	C 10 L	5 / 42		A 01 G	13 / 02		C 10 H	3 / 00
			303	C 10 L	1 / 18	557	C 10 L	5 / 12	31.1	A 47 G	7 / 08	38	C 10 H	15 / 00
			304	C 10 L	1 / 24	558	C 10 L	9 / 06		A 01 G	13 / 02		C 10 H	19 / 00
			305	C 10 L	1 / 26				32	A 01 G	9 / 00	39	C 10 H	15 / 14
			306	C 10 L	1 / 10				32.1	A 01 G	13 / 00	40-42	C 10 H	15 / 00
			307	C 10 L	1 / 00	559	C 10 L	5 / 12		A 47 G	7 / 08	43	C 10 H	15 / 08
			308-310	C 10 L	1 / 18				32.2-32.8	A 01 G	13 / 02	44-45	C 10 H	15 / 00
			310-311	C 10 L	1 / 10	560	C 10 L	5 / 00	33	A 01 G	1 / 00	46	C 10 H	15 / 00
			312-313	C 10 L	1 / 18	561	C 10 L	5 / 16	39-40	A 47 G	7 / 00		C 10 H	19 / 00
			313	C 10 L	1 / 10	562	C 10 L	5 / 14	40.5	A 47 G	33 / 12	47	C 10 H	15 / 20
				C 10 L	1 / 12	563	C 10 L	5 / 00		A 47 G	7 / 02	48-49	C 10 H	15 / 18
			314-318	C 10 L	1 / 12	564-571	C 10 L	5 / 16	41.01-41.15	A 01 G	5 / 00	50	C 10 H	15 / 00
			314-319	C 10 L	1 / 30	565	C 10 L	5 / 44		A 47 G	7 / 00	51	C 10 H	15 / 24
			320-322	C 10 L	1 / 12	567	C 10 L	5 / 44	42-43	A 01 G	17 / 10	52-53.3	C 10 H	15 / 06
			320	C 10 L	1 / 28	570	C 10 L	5 / 12		A 01 G		53.4	C 10 H	15 / 10
			321	C 10 L	1 / 10	572-577	C 10 L	5 / 14	44-47	A 01 G	17 / 06	54	C 10 H	15 / 14
			322	C 10 L	1 / 18	573	C 10 L	5 / 44		A 01 G	17 / 14	55	C 10 H	15 / 08
			23 / 00	C 10 L	1 / 24	574	C 10 L	5 / 04	48.5	A 01 G	29 / 00	56	C 10 H	21 / 08
			323-326	C 10 L	1 / 22	575	C 10 L	5 / 12	50-54	A 01 G	23 / 10	57	C 10 H	21 / 16
			323-328	C 10 L	1 / 22	576-577	C 10 L	5 / 44	55	A 01 G	5 / 00	58	C 10 H	
			329-332	C 10 L	1 / 00	578	C 10 L	5 / 20	56	A 01 C	1 / 04	59	C 10 H	21 / 02
			333-348	C 10 L	1 / 22	579	C 10 L	5 / 14	57.5	A 01 G	29 / 00	60	C 10 H	21 / 02
				C 10 L	1 / 24	580	C 10 L	5 / 12	57.6	A 01 C	1 / 06		C 10 H	21 / 10