

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 454--Con.														
297	F 24 F	13 / 068				218-225	H 04 B	1 / 10	11-13	A 01 F	12 / 52	103-104	A 01 B	71 / 08
	F 24 F	13 / 10				226.1-226.4	H 04 B	17 / 00	14	A 01 F	12 / 52	105-106	A 01 D	75 / 18
	F 24 F	7 / 00				227-229	H 04 B	1 / 16		A 23 N	5 / 00		A 01 F	12 / 16
298	F 24 F	13 / 068				230-267	H 04 B	1 / 06	15	A 01 F	11 / 00		A 01 F	21 / 00
	F 24 F	13 / 12	1	H 04 K	3 / 00		H 04 B	7 / 00	16	A 01 F	12 / 00	107-108	A 01 F	12 / 24
	F 24 F	7 / 00	2.01	H 04 H	60 / 21	268	H 04 B	1 / 16		B 02 B	7 / 02	109	A 01 F	12 / 28
299-300	F 24 F	13 / 06		H 04 H	60 / 33	269-270	H 04 B	1 / 06	17-18	A 01 F	12 / 00	110	A 01 F	12 / 24
	F 24 F	13 / 08		H 04 H	60 / 61		H 04 B	7 / 00	19	A 01 F	12 / 14	111	A 01 F	12 / 30
	F 24 F	7 / 00	3.01	H 04 H	20 / 71	271	H 04 B	1 / 10	20	A 01 F	12 / 00	112	A 01 F	12 / 40
301-302	F 24 F	13 / 072	3.02	H 04 H	20 / 74		H 04 B	15 / 00	21-22	A 01 F	7 / 00	113	A 01 F	12 / 00
	F 24 F	13 / 08	3.03-3.04	H 04 H	60 / 09	272-279.1	H 04 B	1 / 06	23	A 01 D	90 / 10		A 01 F	12 / 38
	F 24 F	7 / 00	3.03	H 04 H	20 / 71		H 04 B	7 / 00	24	A 01 F	11 / 02		B 02 B	3 / 08
303	F 24 F	13 / 072	3.05	H 04 H	20 / 71	280-294	H 04 B	1 / 18	25	A 01 F	11 / 06	114	A 01 D	17 / 02
	F 24 F	13 / 10	3.06	H 04 H	40 / 00	283-288	H 04 B	1 / 10		A 23 N	5 / 00		A 01 F	12 / 46
	F 24 F	7 / 00	7-8	H 04 B	3 / 36	295-312	H 04 B	1 / 10		B 02 B	3 / 00	115	A 01 D	17 / 04
304	F 24 F	13 / 072		H 04 B	7 / 14	313-316	H 04 B	1 / 26	26-27	A 01 F	11 / 06	116	A 01 F	12 / 56
	F 24 F	13 / 14	9-10	H 04 B	1 / 60		H 04 B	15 / 00		B 02 B	3 / 00	117	A 01 F	12 / 54
	F 24 F	7 / 00		H 04 B	17 / 02	317	H 04 B	1 / 10	28-29	A 01 F	11 / 06	118	A 23 N	12 / 06
305-307	F 24 F	13 / 06	11.1	H 04 B	7 / 15		H 04 B	15 / 06		B 02 B	3 / 04		B 02 B	1 / 00
	F 24 F	13 / 08	12.1-13.1	H 04 B	7 / 185	318-332	H 04 B	1 / 26	30	A 01 F	11 / 06		F 26 B	21 / 00
	F 24 F	7 / 00	13.2	H 04 B	7 / 19	333	H 04 B	1 / 28	31	A 01 F	11 / 06	119	A 01 F	12 / 60
308	F 24 F	13 / 065	13.3-13.4	H 04 B	7 / 185	334-342	H 04 B	1 / 16		B 02 B	3 / 04	120	A 01 F	12 / 32
	F 24 F	13 / 08	14-22	H 04 B	7 / 14	343.1-343.6	H 04 B	1 / 16	32	A 01 F	12 / 20		A 01 F	12 / 38
	F 24 F	7 / 00	14	H 04 B	3 / 36	344-346	H 04 B	1 / 06		B 02 B	3 / 08	121-122	A 01 F	12 / 00
309	F 24 F	13 / 06		H 04 B	3 / 58	344	H 05 K	11 / 00	33	A 01 F	12 / 22	123	A 01 D	13 / 00
	F 24 F	13 / 08	23	H 04 B	7 / 165	345-346	H 05 K	11 / 02		B 02 B	3 / 00		A 01 D	21 / 00
	F 24 F	7 / 00	24-25	H 04 B	7 / 14	347-351	H 04 B	1 / 08	34	A 01 F	12 / 20		A 01 D	45 / 00
310	F 24 F	13 / 062	26.1	H 04 B	1 / 06	352-355	H 04 B	1 / 06		B 02 B	3 / 10	124-126	A 01 D	45 / 22
	F 24 F	13 / 08	39	H 04 B	7 / 24	400-402	H 04 M	9 / 00	35	A 01 F	11 / 06		A 01 D	45 / 24
	F 24 F	7 / 00	40	H 04 B	13 / 02	403	H 04 M	11 / 00		B 02 B	3 / 00	127-133	A 01 D	29 / 00
311	F 24 F	13 / 062	41.1	H 04 B	5 / 00	404.1-404.2	H 04 M	11 / 04	36	A 01 F	12 / 28		A 01 D	46 / 02
	F 24 F	13 / 10	41.2-45	H 04 B	7 / 00	405-409	H 04 M	11 / 00		B 02 B	3 / 00		A 23 N	15 / 10
	F 24 F	7 / 00	42-45	H 04 B	1 / 00	410-411	H 04 M	1 / 66	37	A 01 F	11 / 06	134	A 01 D	45 / 00
312	F 24 F	13 / 062	46-47	H 04 B	1 / 68		H 04 M	1 / 68		B 02 B	3 / 12		A 01 D	46 / 02
	F 24 F	13 / 14	48	H 04 B	1 / 60	412.1-412.2	H 04 M	3 / 16	38-39	A 01 F	12 / 40		A 23 N	12 / 02
	F 24 F	7 / 00	59	H 04 B	7 / 00	412.1	H 04 L	12 / 58	40-41	A 01 F	11 / 06		A 23 N	15 / 10
313-321	F 24 F	13 / 06	60-61	H 04 B	1 / 00	412.2	H 04 M	1 / 663	42-43	A 01 F	12 / 44	135-140	A 01 D	45 / 00
	F 24 F	13 / 14	62	H 04 B	15 / 00	413	H 04 M	11 / 10	44	A 01 F	12 / 48		A 01 D	46 / 00
	F 24 F	7 / 00		H 04 B	17 / 00	414.1-414.2	H 04 M	3 / 42	45-46	A 01 F	11 / 06	141	A 01 D	45 / 00
322-323	F 24 F	13 / 06	63.1-65	H 04 B	1 / 00	414.2	H 04 M	3 / 493		A 23 N	5 / 00		A 01 D	46 / 00
	F 24 F	13 / 10		H 04 B	15 / 00	414.3	H 04 L	29 / 06	47-57	A 01 F	11 / 06	142	B 02 B	3 / 00
	F 24 F	7 / 00	64-65	H 04 B	1 / 10	414.4	H 04 L	29 / 08		B 02 B	3 / 08		A 01 D	45 / 00
324	F 24 F	13 / 06	66.1	H 04 B	7 / 00	415-417	H 04 M	3 / 42	58	A 01 F	11 / 06		A 01 D	46 / 00
	F 24 F	13 / 12	67.11-67.16	H 04 B	17 / 00	418-420	H 04 M	3 / 00		B 02 B	3 / 02	143	B 02 B	3 / 08
	F 24 F	7 / 00	67.7	H 04 B	17 / 00	421	H 04 M	11 / 00	59	A 01 F	12 / 00		A 01 D	45 / 00
325-327	F 24 F	13 / 06	68-72	H 04 B	1 / 00	422.1	H 04 W	4 / 00		A 01 F	12 / 00		A 01 D	46 / 00
	F 24 F	13 / 14		H 04 B	7 / 00	423-425	H 04 W	24 / 00	60	F 26 B	25 / 22		B 02 B	3 / 14
	F 24 F	7 / 00	73	H 04 B	1 / 38	426.1-427	H 04 W	4 / 00		A 01 F	21 / 00	144-148	A 01 D	17 / 00
328	F 24 F	13 / 06	74-77	H 04 B	1 / 40	428	H 04 W	40 / 00	61	F 26 B	3 / 04	149-150	A 01 F	7 / 00
	F 24 F	13 / 10	78	H 04 B	1 / 44	429-431	H 04 W	4 / 00	62	A 01 F	7 / 00			
	F 24 F	6 / 00	79-82	H 04 B	1 / 46	432.1-434	H 04 W	4 / 00	63	A 01 F	12 / 28			
	F 24 F	7 / 00	83	H 04 B	1 / 44	435.1-435.3	H 04 W	4 / 00	64	A 01 F	12 / 20			
329-332	F 24 F	13 / 06	84-88	H 04 B	1 / 40	436-444	H 04 W	36 / 00		A 01 F	12 / 22			
	F 24 F	7 / 00	90.1-90.3	H 04 B	1 / 38	445-449	H 04 W	40 / 00	65	A 01 F	7 / 06			
333	F 24 F	13 / 10	91-94	H 04 B	1 / 02	450-451	H 04 W	72 / 00		B 02 B	3 / 06	1	B 41 L	1 / 00
	F 24 F	7 / 00	95-100	H 04 B	1 / 034	452.1-454	H 04 W	72 / 00	66	A 01 F	7 / 08	2-8	B 41 L	3 / 12
334	F 24 F	13 / 12	101-108	H 04 B	1 / 02	455	H 04 W	74 / 00		B 07 B	7 / 06	3	B 41 L	1 / 26
	F 24 F	7 / 00	101	H 03 C	7 / 02	456.1-457	H 04 W	24 / 00	67	A 01 F	7 / 06	5	B 41 L	5 / 04
335-336	F 24 F	13 / 14		H 04 B	7 / 02	458-460	H 04 W	68 / 00		B 02 B	3 / 06	7-8	B 41 L	1 / 28
	F 24 F	7 / 00	102	H 04 B	1 / 66	461-463	H 04 W	4 / 00	68	A 01 F	12 / 18	8-10	B 41 L	1 / 20
	F 24 F	6 / 00	103-105	H 04 B	1 / 04	464	H 04 W	72 / 00	69	A 01 F	12 / 00	9-10	B 41 L	5 / 04
337	F 24 F	7 / 00	106-108	H 03 C	1 / 52	465-466	H 04 W	4 / 00		A 01 F	7 / 06	11	B 41 L	5 / 06
	F 24 F	7 / 007	109	H 03 C	3 / 00	500-528	H 04 B	7 / 00	70	B 02 B	3 / 06	12	B 41 L	5 / 14
338	F 24 F	7 / 06		H 04 B	1 / 68	501-506	H 04 B	15 / 00		A 01 F	12 / 10		B 41 L	5 / 16
	F 24 F	13 / 02	110-113	H 04 B	1 / 04	550-551	H 04 M	1 / 00	71-72	A 01 F	12 / 34	13	B 41 L	5 / 04
339	F 24 F	13 / 08	114.1-114.3	H 04 B	1 / 04	552.1	H 04 M	1 / 00	73	A 01 F	12 / 38	14-15	B 41 L	5 / 00
	F 24 F	7 / 00	115.1-115.4	H 03 C	1 / 62	553.1	H 04 M	1 / 00		B 02 B	3 / 08	15-16	B 41 L	5 / 04
340	F 24 F	11 / 00		H 04 B	17 / 00	554.1-555	H 04 M	1 / 00	74	A 01 F	12 / 38	17	B 41 L	1 / 20
	F 24 F	7 / 00	116-126	H 01 Q	11 / 12	556.1-561	H 04 M	1 / 00	75	A 01 F	7 / 04	18-19	B 41 L	1 / 22
341	F 24 F	13 / 08		H 04 B	1 / 04	557-561	H 04 B	1 / 38	76-77	A 01 F	12 / 00	18-24	B 41 L	1 / 24
	F 24 F	7 / 007	127.1-127.5	H 01 Q	11 / 12	562.1-567	H 04 M	1 / 00		A 01 F	12 / 40	25-26	B 41 L	1 / 26
	F 24 F	7 / 06		H 04 B	1 / 04	563-567	H 04 B	1 / 38	78	A 01 F	12 / 44	27-30	B 41 L	5 / 04
342-345	F 24 F	7 / 007	128-132	H 04 B		569.1-574	H 04 M	1 / 00		B 07 B	1 / 00	31	B 41 L	5 / 06
	F 24 F	7 / 06	128	H 04 B	1 / 034	570-574	H 04 B	1 / 38	80	A 01 F	12 / 44	32	B 41 L	5 / 04
346	F 24 F	13 / 24	129	H 04 B	1 / 04	575.1-575.9	H 04 M	1 / 00	81-83	A 01 F	7 / 06	33	B 41 L	5 / 06
	F 24 F	7 / 007	130	G 06 F	3 / 033	701-703	H 04 B	1 / 10		A 01 F	12 / 44	34-35	B 41 L	5 / 04
	F 24 F	7 / 06	131	H 03 D	7 / 16		H 04 B	1 / 10		B 07 B	1 / 22	36	B 41 L	5 / 00
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