

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 70--Con.																	
347-349	E 05 B	21/00	445	E 05 B	1/00	58	B 01 J	19/08		C 21 D	7/06	167	B 21 D	11/08			
	E 05 B	23/00		E 05 B	3/00	59-60	C 05 C	1/02	54-55	B 21 D	26/00	168	B 21 B	15/00			
350	E 05 B	21/00	446	E 05 B	17/00	60-61	C 05 C	3/00		B 21 D	28/18	169-175	B 21 D	5/14			
351	E 05 B	23/00	447	E 05 B	15/00	60-63	C 05 D		54	B 21 D	22/10		B 21 D	9/10			
352-355	E 05 B	21/00	448	E 05 B	9/00	60	C 05 C	1/00		B 21 J	5/04	176	B 21 D	5/08			
	E 05 B	23/00	449	E 05 B	9/04		C 05 C	11/00	55	B 21 D	22/00	177	B 21 B	15/00			
	E 05 B	25/00	450-451	E 05 B	9/08		C 05 C	5/00	56	B 21 D	26/02	178	B 21 D	5/08			
356	E 05 B	29/14	452	A 47 B	95/04	62	C 05 D	9/00		B 21 J	5/04	179	B 21 D	5/14			
	E 05 B	31/00		E 05 B	15/02	63	C 05 D	9/02	57-58	B 21 D	39/08	180	B 21 D	5/16			
357	E 05 B	27/00	453-454	E 05 B	15/08	64.01-64.13	A 01 N	25/00		B 21 D	39/20	181	B 21 D	5/08			
	E 05 B	29/00	455	E 05 B	17/18				59	B 21 D	15/06	182	B 21 D	5/14			
	E 05 B	31/00			15/00				60-63	B 21 D	22/10	183	B 21 D	25/02			
	E 05 B	33/00			11/32					B 21 D	28/18		B 21 D	3/12			
358	E 05 B	27/06			29/10					B 21 D	39/20	184	B 21 B	1/00			
	E 05 B	29/14	460	E 05 B	19/24	1-5	B 21 D	55/00	64-65	B 21 B	15/02		B 21 B	3/00			
	E 05 B	31/00	461	E 05 B	63/00	2-5	B 21 B	33/02		B 21 D	11/14		B 21 D	37/00			
359	E 05 B	27/04		E 05 B	63/06	6.1-6.2	B 21 B	37/00	66	B 21 D	11/00	185-186	B 21 D	13/00			
360-369	E 05 B	27/00	462	E 05 B	63/04	6.1	B 21 C	51/00	67	B 21 B	1/00	187-188	B 21 B	1/00			
	E 05 B	29/00	463	E 05 B	17/00		B 21 D	55/00		B 21 B	11/00	189-195	B 21 B	21/00			
	E 05 B	33/00	464	E 05 B	15/00	7.1	B 21 B	37/24		B 21 B	3/00	196	B 21 D	13/04			
370	E 05 B	9/08		E 05 B	17/08	7.2-7.3	B 21 B	37/16	68	B 21 B	15/00	197-199	B 21 B				
371	E 05 B	9/04	465	E 05 B	63/00	7.4	B 21 B	37/00		B 21 B	23/00	197	B 44 B	5/00			
372	E 05 B	15/00	466	E 05 B	17/00	7.5	B 21 B	37/72	69	B 21 B	27/06	198	B 21 B	1/16			
373-375	E 05 B	9/04		E 05 B	17/06	7.6	B 21 B	37/68	70-76	B 21 B		199	B 21 B	1/08			
376-378	E 05 B	15/14	467-489	E 05 B	55/04	8.1-8.2	B 21 B	37/16	70	B 21 D	19/04		B 21 H	1/22			
379A	E 05 B	17/04	490-492	E 05 B	27/00	8.3-8.4	B 21 B	37/00	71	B 21 C	37/29	200-202	B 21 B	27/06			
	E 05 B	63/00		E 05 B	29/00	8.5	B 21 B	37/74	72	B 21 H	1/14	203-204	B 21 B	1/00			
	E 05 B	9/10	493-494	E 05 B	27/00	8.6-8.7	B 21 B	37/48	73-74	B 23 P	15/10	205	B 21 B	39/08			
	E 05 B	15/02	495-496	E 05 B	27/00	8.8	B 21 B	37/72	75	B 21 D	17/04	206	B 21 B	15/00			
381	E 05 B	15/02		E 05 B	29/00	8.9	B 21 B	37/68	76	B 21 J	7/16	207	B 21 B				
382-386	E 05 B	25/00				9.1	B 21 B	37/28	77	B 21 B	13/20		B 21 H	7/00			
387	E 05 B	35/04				9.2-9.4	B 21 B	37/00	78	B 21 D	3/00	208-209	B 21 B	17/10			
	E 05 B	63/22				9.5	B 21 B	37/58	79	B 21 D	3/06	210-211	B 21 D				
388	E 05 B	17/00				10.1-10.7	B 21 B	37/58	80	B 21 B	5/00	211	B 21 D	39/02			
389	E 05 B	11/00	1-5	C 05 B		10.8-10.9	B 21 B	37/00	81	B 21 D	22/00	212	B 21 D	1/06			
390	E 05 B	11/06		C 05 C		11.1-11.2	B 21 B	37/00	82-83	B 21 D	22/14	212-213	B 21 D	9/08			
391	E 05 B	15/00		C 05 D		11.3	B 21 B	37/74		B 21 D	5/00	214-220	B 21 D	7/02			
392	E 05 B	15/14		C 05 F		11.4	B 21 B	37/48	84-85	B 21 D	22/00		B 21 D	7/022			
	E 05 B	25/00		C 05 G		11.5	B 21 B	37/72	86-87	B 21 D	19/12	221	B 21 B	1/00			
393	E 05 B	19/00	1	A 01 G		11.6	B 21 B	37/68	88-90	B 21 H	3/06	222-223	B 21 B	39/14			
394	E 05 B	19/20		A 01 N		11.7	B 21 B	37/28	88	B 21 D	17/04	224-225	B 21 B	13/10			
395	E 05 B	19/00		C 05 D	9/02	11.8-11.9	B 21 B	37/58	89	B 21 H	1/14	226	B 21 B	39/00			
396-397	E 05 B	19/02	5	A 01 G	1/04	12.1	B 21 B	37/00	90	B 21 B	17/04	227	B 21 B	41/00			
398-399	E 05 B	19/08	6-10	C 05 F	11/08	12.2	B 21 B	37/74	91-94	B 21 B		228	B 21 B	41/04			
	E 05 B	19/12	11	C 05 D	9/02	12.3-12.4	B 21 B	37/48	91	B 21 H	1/12	229	B 21 B	41/06			
400-401	E 05 B	19/14		C 05 F	11/00	12.5	B 21 B	37/72	92-93	B 21 H	3/06	230	B 21 B	41/10			
402-404	E 05 B	19/02		C 05 F		12.6	B 21 B	37/00	94	B 21 D	51/26	231	B 21 B	41/02			
405-406	E 05 B	19/04	12-13	C 05 F	3/00	12.7-12.8	B 21 B	37/68	95	B 21 B	19/00	232	B 21 B	13/04			
	E 05 B	19/16	14	C 05 F	9/00	13.1-13.3	B 21 B	37/00	96	B 21 B	19/08	233	B 21 B	13/16			
407	E 05 B	19/02	15-20	C 05 F	1/00	13.4-13.8	B 21 B	37/58	97	B 21 B	19/04	234	B 21 B	13/08			
408	E 05 B	19/04	15	C 05 F	3/00	14.1-14.5	B 21 B	37/58	98	B 21 B	19/12	235	B 21 B	13/12			
409	E 05 B	19/06	19-20	C 05 B	17/00	14.6-14.7	B 21 B	37/00	99	B 21 B	19/02	236	B 21 B	27/06			
410	E 05 B	19/06	21-22	C 05 F	3/00	14.8-14.9	B 21 C	51/00		B 21 D	3/04		B 21 B	28/00			
	E 05 B	19/26	22	C 05 F			B 21 D	55/00		B 21 D	3/05	237-240	B 21 B	31/07			
411	E 05 B	19/18	23	C 05 F	11/00	15.1-15.5	B 21 C	51/00	100	B 21 D	19/00	237	B 21 B	31/00			
412	E 05 B	19/06	24	C 05 F	11/02		B 21 D	55/00	101	B 21 B	1/10	238-239	B 21 B	31/08			
	E 05 B	35/06	25	C 05 F	11/00	16.1-16.9	B 21 C	51/00	102	B 21 B	27/00	240	B 21 B	31/20			
413	E 05 B	19/26		C 05 F	7/00		B 21 D	55/00		B 21 D	15/00	241.2	B 21 B	13/14			
	E 05 B	47/00	26	C 05 F	5/00	17.1-17.3	B 21 C	51/00	103-104	B 21 H	3/04	241.4-243.6	B 21 B	29/00			
414	E 05 B	19/00	27	C 05 C			B 21 D	55/00	105-106	B 21 D	15/04	244-249	B 21 B	31/07			
416	E 05 B	13/00		C 05 D	9/02	18.1-18.9	B 21 C	51/00		B 21 D	15/00	244	B 21 B	31/30			
	E 05 B	15/00		C 05 F			B 21 D	55/00	112	B 21 D	1/02	245	B 21 B	31/32			
	E 05 B	17/00	28-30	C 05 C	9/00	19.1-19.9	B 21 C	51/00		B 21 D	3/02	246	B 21 B	31/16			
	E 05 B	63/00	29	C 05 B	15/00		B 21 D	55/00	113	B 21 D	1/08	247	B 21 B	31/18			
417	E 05 B	15/16	31-33	C 05 B		20.1-20.5	B 21 C	51/00	114	B 21 J	15/12	248	B 21 B	31/24			
	E 05 B	17/00	31	C 05 C			B 21 D	55/00	115-123	B 21 D	3/02	249	B 21 B	35/00			
	E 05 B	63/00		C 05 D	9/00	21.1-21.6	B 21 C	51/00	124	B 21 B	19/14	250-252.5	B 21 B	39/20			
418-419	E 05 B	15/00		C 05 D	9/02		B 21 D	55/00	125-126	B 21 B	15/00	253.1-256	B 21 C	23/00			
	E 05 B	17/00		C 05 D		28.1	B 21 C	51/00	127	B 21 B	3/00	257	B 21 C	35/00			
	E 05 B	63/00		C 05 F			B 21 D	55/00	128	B 21 K	29/00	258	B 21 C	23/22			
420	E 05 B	15/06		C 05 G		28.2	B 21 B	37/00	129-132	B 21 F	11/00	259	B 21 C	23/00			
	E 05 B	17/00	32-33	C 05 B	17/00	29.1	B 21 B	37/00	133	B 21 B	39/02	260	B 21 C	25/08			

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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 72--Con.														
285	B 21 C	3 / 12	414-415	B 21 D	17 / 02		G 01 V	13 / 00		G 01 N	7 / 00	61.54	G 01 N	30 / 90
286	B 21 C	9 / 00	416	B 21 D	37 / 10	1.87	B 04 B	9 / 14	24.05	G 01 N	9 / 36	61.55	G 01 N	13 / 00
287	B 21 C	1 / 28	417	B 21 D	43 / 02	1.88	G 01 R	17 / 14	24.06	G 01 N	29 / 02		G 01 N	30 / 84
288	B 21 C	1 / 12	418	B 21 D	7 / 06		G 01 R	17 / 22	25.01	G 01 N	25 / 00	61.56-61.58	G 01 N	1 / 00
289	B 21 C	1 / 02	419	B 21 D	43 / 00	1.89	G 01 B	21 / 30	25.02	G 01 N	27 / 74		G 01 N	30 / 00
290	B 21 C	1 / 14	420	B 21 J	13 / 10		G 01 N	3 / 62	25.03	G 01 N	25 / 18	61.59	G 01 N	1 / 00
291	B 21 C	1 / 30	421	B 21 D	43 / 00	7	G 01 N	19 / 02	25.04	G 01 N	25 / 56	61.61	G 01 N	30 / 62
292	B 21 D	31 / 00	422	B 21 D	43 / 10		G 01 N	3 / 56	25.05	G 01 N	25 / 00		G 01 N	30 / 95
293	B 21 D	1 / 00		B 21 D	43 / 11	8	G 01 N	19 / 02	28.01-28.03	G 01 N	37 / 00		G 01 N	37 / 00
	B 21 D	25 / 00	423	B 21 C	1 / 14	9-10	G 01 N	19 / 02	28.04-28.06	G 01 N	1 / 00	61.62	G 01 N	33 / 00
	B 21 D	25 / 04	424	B 21 D	43 / 20		G 01 N	3 / 56	29.01	G 01 N	7 / 00		G 01 N	33 / 18
294	B 21 D	43 / 28	425	B 21 D	43 / 00	11.01	G 01 L	25 / 00	29.02	G 01 N	19 / 10		G 01 N	37 / 00
295-298	B 21 D	11 / 02	426-427	B 21 D	45 / 00		G 01 L	5 / 00	29.03-29.05	G 01 N	19 / 10	61.63-61.67	G 01 N	15 / 04
299	B 21 D	11 / 14	428	B 21 D	43 / 16		G 01 L	5 / 24		G 01 N	5 / 02		G 01 N	37 / 00
300-303	B 21 D	11 / 02	429	B 21 J			G 01 M	19 / 00		G 01 N	7 / 00	61.68	G 01 N	1 / 00
304-307	B 21 D	11 / 00		B 30 B	1 / 26	11.02	G 01 L	5 / 00		G 01 N	9 / 36		G 01 N	37 / 00
308-310	B 21 D	5 / 04	430	B 21 J	15 / 24		G 01 N	3 / 34	30.01-30.04	G 01 N	9 / 00	61.69	G 01 N	21 / 00
311-315	B 21 D	11 / 00	431-434	B 21 J	7 / 12		G 01 N	33 / 00	31.01-31.03	G 01 N	19 / 10	61.71	G 01 N	15 / 06
316-317	B 21 D	41 / 02	435-437	B 21 J	7 / 36		G 01 N	37 / 00		G 01 N	7 / 00	61.72	G 01 N	30 / 00
318-323	B 21 D	11 / 00	438	B 21 J	7 / 46	11.03	G 01 N	3 / 32	31.04	G 01 N	7 / 00	61.73	G 01 N	11 / 00
324	B 21 D	43 / 28	439	B 21 J	7 / 42		G 01 N	3 / 34	31.05-31.07	G 01 N	7 / 00	61.74	G 01 N	11 / 00
	B 21 K	27 / 06	440	B 21 J	7 / 44	11.04	G 01 M	13 / 00		G 01 N	9 / 00		G 01 N	25 / 00
325-331	B 21 D	31 / 02	441-444	B 21 J	7 / 46		G 01 M	15 / 00	32A	G 01 N	9 / 00	61.75	G 01 N	15 / 06
332-341	B 21 D	28 / 00	445	B 21 J	7 / 20		G 01 M	17 / 00	32R	G 01 N	9 / 00		G 01 N	29 / 00
342.1-342.96	B 21 D	37 / 16	446-448	B 21 J	13 / 00		G 01 M	17 / 04		G 01 N	9 / 02		G 01 N	37 / 00
343	B 21 D	22 / 00	449-451	B 21 J	9 / 18		G 01 M	19 / 00		G 01 N	9 / 32	61.76	G 01 N	25 / 00
344-346	B 21 D	45 / 00	452.1-454	B 21 J	9 / 18		G 01 N	3 / 30	35.01	G 01 L	23 / 22	61.77	G 01 N	25 / 02
347-351	B 21 D	22 / 21	455-456	B 21 J	13 / 04	11.05-11.06	G 01 H	13 / 00	35.02	G 01 N	33 / 22	61.78	G 01 N	33 / 18
347-353.6	B 21 D	22 / 00	455	B 21 D	37 / 12		G 01 M	13 / 00	35.03	G 01 L	23 / 22		G 01 N	7 / 00
354.2	B 21 J	5 / 00	456	B 21 D	37 / 10		G 01 M	19 / 00	35.04	G 01 L	23 / 22	61.79	G 01 N	29 / 00
354.6-355.6	B 21 J	13 / 00	457-460	B 21 J	13 / 08		G 01 M	7 / 00		G 01 M	15 / 00	64.41	G 01 N	37 / 00
356-361	B 21 D	22 / 00	461	B 21 D	11 / 22		G 01 P	13 / 00	35.05-35.13	G 01 L	23 / 22	64.42	G 01 N	29 / 00
362-364	B 21 D	31 / 00	462	B 21 D	37 / 01	11.07-11.08	G 01 M	17 / 04	35.14-35.17	G 01 N	33 / 22	64.43	G 01 N	21 / 00
365.2-366.2	B 21 B	23 / 00	463	B 21 J	13 / 00	11.09	G 01 M	17 / 04	36	G 01 M	3 / 20	64.44-64.46	G 01 N	7 / 00
367.1	B 21 D	3 / 00	464	B 21 D	37 / 18		G 01 M	19 / 00		G 01 N	21 / 00	64.47	G 01 N	13 / 04
368	B 21 C	37 / 06	465	B 21 C	3 / 02	12.01	G 01 M	7 / 00	37	G 01 M	3 / 02	64.48-64.52	G 01 N	13 / 00
369	B 21 D	9 / 00	465.1-466	B 21 B	25 / 00		G 01 N	3 / 30	37.5	G 01 B	13 / 08	64.53	G 01 N	29 / 00
	B 21 D	9 / 04	466.2	B 21 D	9 / 01		G 01 N	3 / 32	37.6-37.7	G 01 B	13 / 04	64.54	G 01 N	9 / 00
370.01	B 21 D	17 / 02	466.3	B 21 D	55 / 00		G 01 P	15 / 00	37.8-37.9	G 01 M	3 / 02	64.55	G 01 N	13 / 00
370.02	B 21 D	41 / 04	466.4	B 21 D	15 / 10	12.02	G 01 N	3 / 30	38	G 01 N	15 / 08	64.56	G 01 N	1 / 00
370.03	B 21 D	41 / 02	466.5	B 21 J	15 / 32		G 01 N	3 / 52	39	G 01 M	3 / 02	65.01-65.02	G 01 M	1 / 00
370.04	B 21 C	25 / 02	466.6	B 21 D	5 / 00	12.03	G 01 N	3 / 08	40	G 01 M	3 / 04	65.03	A 63 B	53 / 00
370.05	B 21 C	25 / 04	466.7	B 21 D	26 / 02		G 01 N	3 / 30	40.5A	G 01 M	3 / 04	65.04	B 63 B	9 / 08
370.06-370.07	B 21 D	39 / 08	466.8-466.9	B 21 D	26 / 00	12.04	G 01 M	7 / 00		G 01 M	3 / 24	65.05	B 64 C	17 / 00
370.08	B 21 D	39 / 20	467	B 21 C	3 / 00		G 01 N	3 / 00	40.5R	G 01 M	3 / 00	65.06	G 01 M	1 / 12
370.1	B 21 D	41 / 00	468	B 21 C	3 / 06	12.05	G 01 M	7 / 00		G 01 M	3 / 02	65.07-66	G 01 M	1 / 00
370.11	B 21 D	19 / 00	469	B 21 D	17 / 00		G 01 N	3 / 08		G 01 M	3 / 28	73-76	G 01 N	25 / 56
	B 21 D	41 / 02	470-475	B 21 D	37 / 14		G 01 N	3 / 30	40.7-45.8	G 01 M	3 / 04		G 01 N	5 / 02
370.12-370.13	B 21 D	41 / 00	476	B 21 C	3 / 16	12.06	G 01 N	19 / 02	46-49.1	G 01 M	3 / 08	77	G 01 N	25 / 62
370.14-370.15	B 21 C	37 / 30	477	B 21 D	31 / 00		G 01 N	3 / 00	49.2	G 01 M	3 / 04	78	B 23 Q	17 / 20
370.16-370.18	B 21 C	37 / 20	478-480	B 21 J	13 / 02	12.07	G 01 N	3 / 08	49.3	G 01 M	3 / 34		G 01 N	3 / 00
	B 21 C	37 / 22		B 21 J	13 / 03		G 01 N	3 / 30	49.4-49.8	G 01 M	3 / 04	79	G 01 N	3 / 52
370.19	B 21 D	15 / 00	481.1-481.9	B 21 D	37 / 00	12.08-12.14	G 01 M	7 / 00	52	G 01 M	3 / 00	81	G 01 N	3 / 48
370.2	B 21 D	15 / 02	482.1-482.94	B 21 D	37 / 00		G 01 N	3 / 00	53.01	G 01 N	11 / 00	82	G 01 N	3 / 42
370.21	B 21 D	17 / 00	483	B 21 C	3 / 06		G 01 N	33 / 00		G 01 N	33 / 487	83	G 01 N	3 / 32
370.22	B 21 D	26 / 02	700-711	B 21 C	1 / 00		G 01 P	15 / 00	53.02	G 01 N	33 / 06		G 01 N	3 / 44
370.23-370.26	B 21 C	37 / 30	713-714	B 21 D	51 / 00	19.01	G 01 N	33 / 497	53.03	G 01 N	33 / 34	84-85	G 01 N	3 / 00
370.27	B 21 D	31 / 02	715	B 21 D	51 / 02		G 01 N	7 / 00		G 01 N	33 / 46	86-87	G 01 N	17 / 00
371-379.2	B 21 D	31 / 00				19.02	G 01 N	30 / 02	53.04	G 01 N	11 / 00	104	B 23 Q	17 / 09
371	B 21 D	11 / 14					G 01 N	30 / 90	53.05	G 01 N	33 / 26		G 01 N	19 / 02
379.4	B 21 D	11 / 10				19.03	G 01 N	29 / 00	53.06	G 01 N	19 / 08	105	G 01 B	5 / 28
379.6	B 21 D	13 / 00					G 01 N	29 / 02	53.07	G 01 N	15 / 00	112.01-112.02	G 01 M	15 / 00
380-383	B 21 D	5 / 02	1.01	G 01 D	18 / 00	19.04	G 01 F	1 / 00	54.01-54.02	G 01 N	11 / 00		G 01 M	19 / 00
384	B 21 D	17 / 02		G 01 N	3 / 62	19.05-19.06	G 01 N	7 / 00	54.03	G 01 N	11 / 00	112.03	G 01 M	15 / 00
385	B 21 D	13 / 02		G 01 R	35 / 00	19.07	G 01 N	33 / 20		G 01 N	33 / 38	112.04	G 01 L	5 / 13
386	B 21 D	9 / 14		G 01 S	7 / 40	19.08	G 01 N	33 / 38	54.04-54.05	G 01 N	11 / 04		G 01 M	15 / 00
387-388	B 21 D	31 / 00		G 01 W	1 / 18	19.09	G 01 N	33 / 24	54.06	G 01 N	11 / 08	112.05	G 01 M	15 / 00
	B 21 D	9 / 05		G 12 B	13 / 00	19.1	G 01 N	33 / 18	54.07-54.08	G 01 N	11 / 06	112.06	G 01 J	5 / 34
389.1-389.9	B 21 D	31 / 00	1.02-1.07	G 01 N	21 / 00	19.11	G 01 N	33 / 26	54.09	G 01 N	11 / 08		G 01 M	15 / 00
	B 21 D	9 / 05		G 01 N	27 / 00	19.12	G 01 N	1 / 22		G 01 N	21 / 00	113.01	G 01 M	15 / 00
390.2-391.8	B 21 D	31 / 00		G 01 N	31 / 00		G 01 N	33 / 497	54.11-54.12	G 01 N	11 / 04		G 01 M	19 / 00
	B 21 D	9 / 05		G 01 N	33 / 00		G 01 N	37 / 00	54.13	G 01 N	11 / 06	114.01-114.02	G 01 M	15 / 00
392-393	B 21 D	41 / 02		G 01 N	35 / 00	23.2-23.29	G 01 N	19 / 10	54.14	G 01 N	11 / 00	114.03	F 02 P	17 / 00
394-403	B 21 D	41 / 00		G 01 N	37 / 00		G 01 N	25 / 00		G 01 N	11 / 06		G 01 M	15 / 00