

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 51--Con.																	
296	B 24 D	3 / 00	93.1-93.2	E 04 B	7 / 04	204.55	E 06 B	3 / 00		E 04 F	13 / 06	647	E 04 B	5 / 10		E 04 C	3 / 02
297	B 24 D	11 / 00	94-96	E 04 B	7 / 00	204.56-204.57	E 06 B	3 / 96	367-375	E 04 B	2 / 00		E 04 C	3 / 02		E 04 C	3 / 02
298-303	C 09 K	3 / 14		E 04 D	3 / 40	204.58	E 06 B	3 / 00	376-377	E 04 B	5 / 00	648.1-655.2	E 04 H	12 / 00		E 04 C	2 / 38
304	C 09 K	3 / 14	94-97	E 04 D	13 / 00	204.59	E 06 B	3 / 66	378-383	E 04 B	1 / 16	656.1-658	E 04 C	2 / 38		E 04 C	5 / 00
	C 11 C		97	E 04 D	15 / 00	204.591-204.599	E 06 B	7 / 00	384-392	E 04 F	13 / 08	659	E 04 C	5 / 00		E 04 C	2 / 42
305-306	B 24 B	1 / 00	98-100	E 04 B	1 / 00	204.6	E 06 B	3 / 68	393-395	E 04 B	1 / 62	660-676	E 04 C	5 / 04		E 04 C	5 / 04
	C 09 K	3 / 14		E 04 C	1 / 00		E 06 B	9 / 01		E 04 F	15 / 14		E 04 C	5 / 04		E 04 C	5 / 04
307-309	B 24 D	3 / 02	101	A 01 K	3 / 00	204.61-204.69	E 06 B	3 / 964	396.01	E 04 B	15 / 22		E 04 F	15 / 06		E 04 F	15 / 06
	C 09 C	1 / 68		E 04 B	1 / 72	204.7	E 06 B	3 / 988		E 04 B	1 / 68	677-689	E 04 C	5 / 16		E 04 C	5 / 16
	C 09 K	3 / 14		E 04 H	9 / 16	204.705	E 06 B	7 / 00	396.02	F 27 D	1 / 00	690-697	E 04 C	3 / 02		E 04 C	3 / 02
			102	E 02 D	27 / 00	204.71-204.72	E 06 B	3 / 988		E 04 B	1 / 682		E 04 C	3 / 30		E 04 C	3 / 30
			103-104	E 01 F	9 / 011	205-207	E 06 B	1 / 04	396.03	E 04 F	15 / 14		E 04 C	3 / 30		E 04 C	3 / 30
				E 04 H	13 / 00	208	E 06 B	3 / 00	396.04-396.07	E 04 B	1 / 686	698-715	E 04 H	12 / 00		E 04 H	12 / 00
			105	E 04 B	1 / 00	209	E 06 B	7 / 14		E 04 B	1 / 68		E 04 B	1 / 38		E 04 B	1 / 38
			106	E 04 H	3 / 08	210-217	E 06 B	1 / 04		E 04 F	15 / 14		E 04 C	5 / 00		E 04 C	5 / 00
			107	E 04 F	17 / 06	218-219	E 04 H	12 / 28	396.05-396.06	E 04 B	1 / 686	716.1-718.07	E 04 C	2 / 38		E 04 C	2 / 38
				E 06 B	5 / 02	219	E 04 D	13 / 14	396.08-396.1	E 04 F	15 / 22	719	E 04 C	5 / 16		E 04 C	5 / 16
			108-109	E 04 H	12 / 18	220.1-220.8	E 04 G	15 / 06	402	E 04 B	1 / 62	741.1-741.41	E 04 B	1 / 00		E 04 B	1 / 00
			110	E 04 H	12 / 00	222	E 04 C	2 / 52		E 04 F	15 / 14	741.11-741.41	E 04 G	21 / 00		E 04 G	21 / 00
				H 01 Q	1 / 08	223.1-223.11	E 04 C	5 / 08	403.1	E 04 F	15 / 22	742.1-742.16	E 04 B	1 / 00		E 04 B	1 / 00
2.11-2.26	E 04 G	11 / 04	111-121	B 66 C	23 / 06	223.12	E 04 C	3 / 10	404.1-404.5	E 04 B	1 / 74		E 04 G	21 / 00		E 04 G	21 / 00
	E 04 H	15 / 20		B 66 C	23 / 62	223.13-223.14	E 04 C	5 / 08	405.1-405.4	E 04 B	1 / 74		E 04 G	23 / 00		E 04 G	23 / 00
2.11-3	E 04 B	1 / 34		E 04 D	35 / 00	223.2-223.3	E 04 H	5 / 00	406.1-406.3	E 04 B	1 / 74	745.01-745.21	E 04 B	1 / 00		E 04 B	1 / 00
3	B 62 D	63 / 04	122.1	E 02 D	35 / 00		E 04 H	5 / 08	407.1-407.5	E 04 B	1 / 74		E 04 G	21 / 00		E 04 G	21 / 00
4	E 04 D	1 / 34		E 04 B	1 / 00	223.4-223.9	E 04 C	5 / 08	408-413	E 04 B	5 / 00		E 04 G	23 / 00		E 04 G	23 / 00
5	E 04 D	5 / 00	123.1	B 66 C	23 / 34	231	E 04 C	3 / 20	414	E 04 B	1 / 18	746.1-746.12	E 04 B	1 / 00		E 04 B	1 / 00
6	E 04 H	3 / 10		E 04 H	12 / 34	232	E 04 C	2 / 00	415-421	E 04 B	2 / 00		E 04 G	21 / 00		E 04 G	21 / 00
7	E 04 H	3 / 26	124.1-124.2	E 04 H	13 / 00	233	E 04 B	1 / 10	422	E 04 C	3 / 30	747.1-747.13	E 04 B	1 / 00		E 04 B	1 / 00
8-10	E 04 H	3 / 12	125.1-125.6	E 02 D	35 / 00	234-243.1	E 04 H	1 / 00	423-442	E 04 B	2 / 00		E 04 G	23 / 00		E 04 G	23 / 00
11-15	E 04 D	13 / 00		E 04 G	21 / 04		E 04 H	14 / 00	443-454	E 04 B	9 / 00		E 04 G	21 / 00		E 04 G	21 / 00
16	E 04 D	13 / 08	126.1	E 04 H	12 / 34		E 04 H	3 / 00	455-458	E 04 F	13 / 04	748.1-748.11	E 04 B	1 / 00		E 04 G	23 / 00
17	B 61 D	17 / 18		E 04 B	2 / 82		E 04 H	5 / 00	459-472	E 06 B	3 / 70		E 04 B	1 / 00		E 04 G	21 / 00
18	E 04 B	7 / 12		E 04 B	9 / 00	244	E 04 H	12 / 28		E 04 D	1 / 36	749.1-749.15	E 04 G	23 / 00		E 04 G	23 / 00
19-21	E 02 D	29 / 14		E 04 G	1 / 22	245-249	E 04 B	1 / 32	473	E 06 B	7 / 08		E 04 D	15 / 00		E 04 D	15 / 00
19	E 04 B	7 / 18		E 04 B	2 / 82		E 04 G	11 / 04	474	E 04 B	9 / 00		E 04 F	21 / 00		E 04 F	21 / 00
	E 04 D	13 / 00		E 04 B	9 / 00	250-281	E 04 B	1 / 00	475	E 06 B	3 / 54		E 04 G	21 / 14		E 04 G	21 / 14
	E 04 F	19 / 08	126.2	E 04 G	1 / 22	261-281	E 04 B	5 / 00	475.1	E 04 C	2 / 38	750	E 04 B	1 / 00		E 04 B	1 / 00
22-23	E 04 B	7 / 00	126.3-126.4	E 04 B	2 / 82	282.1-282.5	E 04 B	1 / 38	476-480	E 04 B	9 / 00	761-763	E 04 B	2 / 00		E 04 B	2 / 00
24-26	E 04 D	13 / 00	126.5-126.6	E 04 B	9 / 00	283-284	E 04 B	1 / 00	481.1-481.2	E 06 B	3 / 54	764-775	E 04 B	1 / 61		E 04 B	1 / 61
27	E 04 F	19 / 00		E 04 G	21 / 14		E 04 B	1 / 00	482	E 04 C	2 / 34	775	E 04 C	2 / 34		E 04 C	2 / 34
27.5	E 04 H	1 / 14	127.11-127.12	E 04 B	2 / 82	285.1-285.4	E 04 B	1 / 38	483	E 04 B	9 / 00	777-781.5	E 04 B	2 / 00		E 04 B	2 / 00
28	E 04 F	19 / 00	127.2	E 04 G	21 / 04	286	E 04 B	1 / 00	483.1	E 04 B	3 / 54	777	E 04 C	2 / 34		E 04 C	2 / 34
29-32	B 66 B	9 / 00	127.3-127.4	E 04 B	1 / 00	287.1	E 04 B	2 / 00	488.1-489.2	E 04 B	2 / 30	778-781	E 04 C	2 / 54		E 04 C	2 / 54
	E 04 H	6 / 06	127.5	E 04 B	1 / 38	288.1	E 04 B	2 / 00	503-505	E 04 B	5 / 48	782.1-782.24	E 04 C	2 / 00		E 04 C	2 / 00
33	E 04 H	3 / 04	127.6-127.7	E 04 B	1 / 61	289-290	E 04 B	5 / 00	561-572	E 04 C	1 / 39	782.2-782.24	A 47 B	13 / 08		A 47 B	13 / 08
34-35	A 47 K	3 / 16	127.8-127.9	E 04 B	2 / 82	289-290	E 04 B	5 / 00	506.01-506.1	E 04 C	3 / 30	783.1-783.19	E 04 C	2 / 54		E 04 C	2 / 54
36.1-36.2	E 04 H	1 / 00	128-142	E 04 H	13 / 00	288.1	E 04 B	2 / 00		E 04 B	2 / 00	783.11-783.19	E 04 C	2 / 32		E 04 C	2 / 32
36.1	A 47 F	10 / 00	143	E 04 B	1 / 34	289-290	E 04 B	5 / 00	506.02-506.03	E 04 B	5 / 00	784.1-784.16	E 04 C	2 / 54		E 04 C	2 / 54
36.3-36.4	E 04 F	19 / 00		E 04 H	1 / 12	289	E 04 B	1 / 00	507-513	F 27 D	1 / 00	785.1-785.12	A 47 G	1 / 00		A 47 G	1 / 00
36.3	F 24 B	1 / 198	144-145	E 04 B	1 / 82	290	E 04 F	19 / 04	514-514.5	E 04 B	1 / 38		E 04 C	2 / 54		E 04 C	2 / 54
36.5-36.6	E 04 B	2 / 74	146-154	E 04 H	12 / 20	291	E 04 G	23 / 00		E 04 C	1 / 40	786.1-786.13	E 04 C	2 / 54		E 04 C	2 / 54
37	A 47 L	3 / 00	153-154	E 04 H	17 / 22	292	E 02 D	27 / 00	515-517	E 02 D	37 / 00	787.1-787.12	E 04 C	2 / 54		E 04 C	2 / 54
38-39	G 09 F	7 / 18	155-166	E 02 D	5 / 74	293.1-297	E 02 D	27 / 00	518-542	E 04 G	23 / 00	788.1	E 04 C	2 / 34		E 04 C	2 / 34
40	E 04 H	12 / 00	167.1-167.9	E 04 B	1 / 98	294-297	E 02 D	27 / 32	543-552	E 04 D	11 / 00	789.1	E 04 C	2 / 32		E 04 C	2 / 32
41-44	B 61 D	17 / 14		E 04 H	9 / 02	298-299	E 02 D	27 / 42	553-560	E 04 D	1 / 00	790.1	E 04 C	2 / 34		E 04 C	2 / 34
45-56	E 04 D	17 / 12		E 04 B	1 / 98	300-301	E 04 H	12 / 00	561-572	E 04 B	1 / 02	791.1	E 04 C	2 / 34		E 04 C	2 / 34
	B 61 D	39 / 00	168	E 04 B	1 / 92	302.1	E 04 H	17 / 00	573.1	E 04 C	3 / 30	791.1	E 04 C	2 / 34		E 04 C	2 / 34
57	E 04 B	7 / 00	169.1-169.11	E 04 B	1 / 00	302.2	E 04 H	7 / 22	574-581	E 04 B	1 / 343	791.1	E 04 C	2 / 34		E 04 C	2 / 34
	E 04 D	1 / 30	169.12-169.12	E 02 D	1 / 00	302.3-302.4	E 04 B	1 / 70	578-581	E 04 C	3 / 30	792.1-792.11	E 04 C	2 / 34		E 04 C	2 / 34
	E 04 D	13 / 00	169.13	E 04 B	1 / 343		E 04 F	17 / 00	582.1-582.2	E 04 B	2 / 00	793.1	E 04 C	2 / 34		E 04 C	2 / 34
	E 04 D	3 / 40	169.14	E 02 D	27 / 42	302.5	E 04 H	12 / 00	583.1	E 04 B	2 / 00	793.11	E 04 C	2 / 36		E 04 C	2 / 36
58-62	E 04 D	1 / 36	169.15-169.4	E 02 D	19 / 00	302.6	E 04 H	7 / 22	584.1	E 04 B	2 / 00	794.1	E 04 C	2 / 34		E 04 C	2 / 34
	E 04 D	13 / 14	169.2	E 02 D	1 / 00	302.7	E 04 H	17 / 00	584.1	E 04 B	2 / 00	795.1	E 04				

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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 53--Con.																	
79-110	B 65 D	81 / 18	299	A 61 J	3 / 07												
111R	A 01 J	17 / 00	301	B 67 B	3 / 00	437	B 65 B	63 / 02									
	B 41 F	17 / 24	302	B 67 C	7 / 00	438-439	B 65 B	1 / 24	503	B 65 B	1 / 36						
	B 65 B	9 / 04	303-304	B 67 B	3 / 20					B 65 B	3 / 30						
111RC	B 65 B	55 / 00	305	B 67 B	1 / 10				504-506	B 65 B	1 / 30						
	B 65 D	81 / 28	306-312	B 67 B	3 / 06	440	B 65 B	63 / 02		B 65 B	3 / 26						
113-114	B 65 B		313-316	B 67 B	3 / 28				505-506	B 65 B	57 / 02						
113	B 65 B	63 / 06	317-318	B 67 B	1 / 06	441	B 65 B	55 / 14	507-508	B 67 B	3 / 26						
114	B 68 G	9 / 00		B 67 B	3 / 20	442	B 65 B	53 / 00		G 08 B							
115	B 65 B	55 / 00	319-328	B 65 D	45 / 00	443	B 65 B	53 / 02	507	B 65 B	57 / 00						
	B 65 B	55 / 20		B 67 B	1 / 04	444	B 65 B	35 / 30		B 65 B	65 / 08						
	B 65 B	61 / 22		B 67 B	1 / 10	444	B 65 B	19 / 04	508	A 01 F	15 / 07						
	B 65 B	63 / 00	329	B 65 B	7 / 28	445	B 65 B	19 / 34		B 65 B	57 / 18						
116-120	B 65 B	63 / 04		B 67 B	7 / 00	445	B 65 B	35 / 30	509	B 65 B	11 / 52						
121-122	B 65 B	55 / 00	329.2-329.5	B 65 B	51 / 10	446	B 65 B	61 / 20	510-512	B 65 B	31 / 00						
	B 65 B	63 / 00	330-331	B 67 B		446	B 65 B	35 / 56	510	B 65 B	55 / 00						
127	B 65 B	63 / 08	330-369	B 65 B	7 / 28	447	B 65 B	35 / 50	513-522	B 65 B	63 / 00						
128.1-131.1	B 65 B	61 / 00	331	B 67 B	3 / 18	448	B 65 B	35 / 30	516	A 21 C	15 / 04						
131.2-131.5	B 65 B	61 / 26	331.5	B 67 B	1 / 06	449	B 65 B	11 / 58	517	A 22 C							
132.1	B 65 B	39 / 00	332-333	B 67 B		450-451	B 65 B	9 / 00		B 65 B	25 / 06						
133.1-133.8	B 65 B	61 / 20	332	B 67 B	3 / 02	452	B 65 B	3 / 02	518-519	A 23 C							
134.1-134.2	B 65 B	61 / 14	333	B 65 B	7 / 16				518	A 23 G	9 / 28						
135.1-137.1	B 65 B	61 / 00	334-336	B 67 B	3 / 10				519	A 01 J	21 / 02						
137.2-139.4	B 65 B	51 / 04	337	B 65 D	45 / 00	453-454	B 65 B	47 / 00	523-524	B 65 B	63 / 02						
139.5-139.7	B 65 B	61 / 00	338-365	B 67 B	3 / 10	455	B 65 B	43 / 04	523	B 65 B	1 / 20						
140	B 65 B	3 / 02	366-369	B 67 B		456	B 65 B	43 / 08	524	B 65 B	1 / 24						
	B 65 B		368	A 47 J	27 / 20	457	B 65 B	43 / 12	525	B 65 B	1 / 22						
141	B 65 B	47 / 02	370	B 65 B	51 / 00	458	B 65 B	3 / 02	526-530	B 65 B	1 / 24						
	B 65 B	53 / 00		B 65 B	7 / 12					B 65 B	63 / 02						
	B 65 B	61 / 00	370.2-370.6	B 65 B	7 / 00	459	B 65 B	43 / 26	526	B 65 B	61 / 24						
142-146	B 65 B	35 / 56	370.7-372.2	B 65 B	51 / 10				529-530	B 65 B	13 / 20						
147-153	B 65 B	35 / 30	372.3	B 65 B	51 / 32	460	B 65 B	11 / 48	531-538	B 65 B	35 / 50						
147	B 65 B	21 / 06	372.4-373.6	B 65 B	7 / 00	461-462	B 65 B	11 / 00	531-544	B 65 B	35 / 30						
	B 65 B	5 / 06	373.7-375.2	B 65 B	51 / 10				540-541	B 65 B	35 / 50						
148-151	B 65 B	19 / 04	375.3	B 65 B	51 / 32	463	B 65 B	51 / 10	544	B 65 B	35 / 56						
148	B 65 B	19 / 34	375.4-376.5	B 65 B	7 / 00	464-465	B 65 B	49 / 00	545-547	B 65 B	51 / 26						
154-157	B 65 B	35 / 54	376.6-377.8	B 65 B	51 / 10	464-466	B 65 B	11 / 00		B 65 B	9 / 00						
158	B 65 B	35 / 30	378.3	B 65 B	7 / 00	464	B 65 B	47 / 00	548-549	B 65 B	51 / 30						
167	B 65 B	17 / 00	381.1-381.7	B 65 B	43 / 26	467-470	B 65 B	7 / 00		B 65 B	9 / 12						
	B 65 B	55 / 00	382.1-384.1	B 65 B	43 / 38	467	B 65 B	1 / 04	550-552	B 65 B	9 / 06						
	B 65 B	61 / 00	385.1-386.1	B 65 B	41 / 00				552	B 65 B	9 / 12						
	B 65 B	65 / 08	387.1-387.4	B 65 B	7 / 00				553-555	B 65 B	9 / 02						
168	A 61 J	7 / 00	389.1-389.5	B 65 B	41 / 00	468	B 65 B	43 / 26	556	B 65 B	53 / 00						
	B 65 B		390-392	B 65 B	67 / 00	469	B 67 B	7 / 00	557	B 65 B	53 / 02						
169	B 65 B	19 / 18	393	B 65 B	65 / 00				558	B 65 B	1 / 02						
	B 65 B	43 / 40	394-395	C 06 F	5 / 00					B 65 B	1 / 04						
170-176	B 65 B	41 / 18	396	B 26 D	7 / 27					B 65 B	3 / 02						
201-202	B 65 B			B 65 B		470	B 65 B	31 / 00		B 65 B	3 / 04						
201	B 65 B	59 / 00	397	B 65 B	11 / 00	471	B 65 B	7 / 28		B 65 B	43 / 00						
202	B 65 B	43 / 14		B 65 B	13 / 00					B 65 B	5 / 00						
203-205	B 65 B	11 / 00		B 65 B	15 / 00				559-561	B 65 B	47 / 00						
203	B 65 B	19 / 22		B 65 B	27 / 00				562	B 65 B	43 / 02						
	B 65 B	21 / 24	398	B 65 B	21 / 00					B 65 B	43 / 04						
	B 65 B	25 / 18	399	B 65 B	13 / 02	472	B 65 B	23 / 00	563	B 65 B	1 / 02						
	B 65 B	49 / 00	400-402	B 65 B	29 / 00	473-474	B 65 B	3 / 04		B 65 B	3 / 02						
204	B 65 H	49 / 00	403-408	B 65 B	31 / 00	473	B 65 B	1 / 04		B 65 B	43 / 08						
	B 65 H	81 / 00	403	B 67 B	3 / 24					B 65 B	5 / 02						
205-219	B 65 B	49 / 00	409	B 65 B	11 / 00	474	B 65 B	59 / 00	564-565	B 65 B	43 / 26						
206	B 65 B	11 / 48		B 65 B	25 / 24				566	B 65 B	43 / 24						
207-210	B 65 B	11 / 00		B 65 H	81 / 00	475	B 65 B	3 / 24	567	B 65 B	9 / 10						
211-217	B 65 B	11 / 04	410	B 65 B	61 / 00				568	B 65 B	9 / 06						
	B 65 B	21 / 26	411	B 65 B	61 / 02	476	B 65 B	7 / 00	569-570	B 65 B	43 / 26						
218-219	B 65 B	11 / 02	412	B 65 B	61 / 18				571-573	B 65 B	43 / 14						
	B 65 B	45 / 00	413	B 65 B	29 / 04					B 65 B	43 / 44						
220-224	B 65 G	11 / 06		B 65 B	61 / 14				574-577	B 65 B	43 / 42						
	B 65 G	49 / 00	414	B 65 B	51 / 08	477-479	B 65 B	51 / 10	574	B 65 B	43 / 54						
225-234	B 65 B	49 / 00	415	B 65 B	61 / 00	479	B 65 B	7 / 02	575	B 65 B	9 / 10						
225	B 65 B	11 / 28	416	B 65 B	51 / 08				578-579	B 65 B	47 / 00						
226	B 65 B	11 / 06	417	B 65 B	51 / 00	480	B 65 B	7 / 04	580	B 65 B	11 / 00						
227	B 65 B	11 / 00	418	B 65 B	51 / 07	481	B 65 B	7 / 06		B 65 B	13 / 00						
228-233	B 65 B	11 / 06	419	B 65 B	51 / 06	482	B 65 B	7 / 08		B 65 B	27 / 00						
234	B 65 B	11 / 28	420-424	B 65 B	61 / 00				581	B 65 B	15 / 00						
235-243	B 65 B	5 / 00	425	B 65 B	55 / 02	483	B 65 B	7 / 12	582	B 65 B	11 / 00						
235-263	B 65 B	1 / 04	426	B 65 B	55 / 04	484-485	B 67 B	5 / 00	583	B 65 B	51 / 08						
	B 65 B	3 / 04		B 67 B	1 / 03	484-486	B 67 B	1 / 00	584	B 65 B	19 / 26						
	B 65 B	39 / 00	427	B 65 B	11 / 52				585-586	B 65 B	11 / 00						
236	B 65 B	19 / 00	428	A 21 D		484	B 21 D	51 / 26	586-588	B 65 B	13 / 00						
244-245	B 65 B	5 / 10		A 22 C													