

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 264--Con.														
173.17	B 32 B	33 / 00		B 32 B			B 29 C		425	B 29 C	35 / 08		B 29 C	43 / 22
	D 01 D	5 / 253	243	A 46 B	3 / 04	301	B 28 B	1 / 38	426-427	H 05 B	6 / 00	563	B 29 C	57 / 00
173.18	B 29 C	47 / 00	244	B 29 D	35 / 00	302	B 29 C	41 / 18	428	B 29 C	71 / 04	564-569	B 29 B	15 / 00
173.19-174.1	B 32 B	27 / 00	245-247	B 29 C	39 / 12		G 01 V	9 / 00	429-430	H 05 B	6 / 00		B 29 C	39 / 14
174.11	B 32 B	25 / 00	248-249	B 29 C	65 / 00	303-307	B 28 B	1 / 38	431	H 05 B	6 / 02		B 29 C	49 / 00
175	B 29 C	67 / 20	250-251	B 28 B	5 / 00	308	B 28 B	1 / 14	432	H 05 B	6 / 64		B 29 C	49 / 08
176.1	B 28 B	3 / 20	252	B 29 D	5 / 00		B 28 B	3 / 10	433-436	H 05 B	6 / 00		B 29 C	55 / 00
	B 29 C	47 / 00	253	B 28 B	23 / 02	309	B 28 B	1 / 32	437-441	B 29 C	67 / 00		B 29 C	67 / 20
177.1-177.2	B 29 C	47 / 00		E 04 C			B 29 C	41 / 08		H 05 B	6 / 00		B 29 D	7 / 00
	B 29 C	47 / 12	254-255	B 28 B	7 / 22	310	B 28 B	1 / 02	442-445	H 06 B	1 / 02	570-571	B 29 C	43 / 10
178F	D 01 D	5 / 08	256	B 28 B	1 / 16	311	B 28 B	1 / 20	446-448	B 29 C	59 / 16		B 29 C	49 / 00
178R	B 29 C	47 / 00	257	B 27 N	3 / 10	312	B 28 B	1 / 44		H 05 B	6 / 00	572-574	B 29 D	22 / 00
	B 29 C	47 / 88		B 29 C	45 / 14	313	B 28 B	7 / 30	449-451	B 29 C	67 / 00	600-602	C 04 B	33 / 34
	B 29 C	47 / 90		B 29 C		314	B 28 B	7 / 32		H 05 B	7 / 00	603-683	B 28 B	1 / 00
179	D 01 F	13 / 00	258	B 29 C	70 / 44	315	B 29 C	35 / 00	452-453	H 05 B	7 / 00		B 28 B	3 / 00
180	D 01 D	5 / 06		B 29 C		316	B 29 C	33 / 58	454	H 05 B	6 / 00		C 04 B	5 / 00
	D 01 D			B 32 B	37 / 00	317	B 29 C	33 / 76	455	H 05 B	1 / 00		B 28 B	33 / 32
181	D 01 D	5 / 14	259	B 29 C	45 / 14	318	B 28 B	7 / 20	456	H 01 J	37 / 30		C 04 B	33 / 36
182	D 01 F	6 / 18		B 29 C			B 29 D	1 / 00	457	H 05 B	6 / 02		C 04 B	35 / 64
183	D 01 F	9 / 00	260	B 29 C	43 / 00	319	B 27 N	3 / 18	458	H 05 B	6 / 00			
184	D 01 F	6 / 00		B 29 C			B 28 B	3 / 00	459	B 29 C	35 / 08			
185	D 01 F	6 / 14	261-262	B 29 C			B 28 B	3 / 02	460	H 05 B	6 / 00			
186	D 01 F	9 / 00		B 32 B	37 / 00		B 29 C	41 / 46	461	H 01 J	37 / 30			
187	D 01 F	2 / 00	263	B 29 C	45 / 14		B 29 C	43 / 02	462	H 05 B	6 / 00			
188	D 01 F	2 / 06		B 29 C			B 29 C	43 / 32	463	B 29 C	35 / 08	44	C 21 B	13 / 00
189-194	D 01 F	2 / 08	264	A 61 M	25 / 00		B 29 C	51 / 00	464	H 05 B	6 / 00		C 21 B	15 / 00
195	D 01 F	11 / 02		B 29 C			B 29 D		465-466	B 29 C	47 / 00	45	C 21 B	7 / 12
196	D 01 F	2 / 06	265-267	B 29 C	45 / 14	320	B 29 C	59 / 02		H 05 B	7 / 00	46	C 21 B	7 / 10
197-198	D 01 F	11 / 02		B 29 C			B 29 C		467	H 05 B	7 / 06	47	C 21 B	7 / 16
199	D 01 F	2 / 04	268	B 29 C	70 / 80	321	B 29 C	67 / 20	468	H 05 B	7 / 00	48	B 23 K	7 / 00
200	D 01 F	2 / 28		B 29 C		322	B 29 C	51 / 08	469	H 05 B	1 / 00	49	B 23 K	7 / 08
201	D 01 F	9 / 02	269-270	B 28 B	19 / 00		B 29 C	57 / 00	470	H 01 J	37 / 30	50	B 23 K	7 / 00
202	D 01 F	4 / 00		B 29 C			B 29 C		471	H 05 B	6 / 00	51-52	B 23 K	7 / 06
203	D 01 F	6 / 04	271.1	B 29 B	13 / 00	323	B 29 C	47 / 00	472	H 05 B	6 / 02	53	B 23 K	7 / 08
	D 01 F		272.11	B 29 C	45 / 14		B 29 C		473	H 05 B	6 / 00	54-57	B 23 K	7 / 00
204	D 01 D	5 / 04		B 29 C		324	D 21 J	3 / 00	474	H 05 B	6 / 64	55-56	B 23 K	37 / 02
	D 01 F		272.12	B 29 C		325	B 29 C	43 / 00	475-476	B 29 C	47 / 00		B 23 K	7 / 10
205	D 01 F	6 / 00		H 05 B	3 / 30	326	B 29 C	35 / 00		H 05 B	6 / 00	57	B 23 K	37 / 04
206	D 01 F	6 / 18	272.13	B 29 C		327	B 29 C	45 / 73	477	B 29 C	35 / 08	58-60	B 23 K	37 / 00
207	B 29 C	47 / 00		H 01 L	21 / 56		B 29 C		478	H 05 B	6 / 00	58-64	B 23 K	7 / 10
	D 01 F	2 / 24	272.14-272.16	B 29 C	45 / 14	328.1-328.9	B 29 B	7 / 00	479-481	B 29 C	55 / 00		B 23 Q	27 / 00
208	D 01 F	11 / 02		B 29 C			B 29 C	45 / 00		H 05 B	6 / 00	59-64	B 23 Q	35 / 00
209.1-209.8	D 01 D	5 / 24	272.17	B 29 C		330	B 29 C	67 / 24	482	H 05 B	6 / 00	61	B 23 K	37 / 04
210.1	D 01 D	5 / 12		H 01 L	21 / 56		C 08 J		483	H 05 H	1 / 26	62-64	B 23 K	37 / 00
210.2	D 01 D	5 / 16	272.18	B 29 C		331.11-331.22	C 08 J	5 / 00	484	H 05 B	7 / 00	65	B 23 K	37 / 04
210.3	D 01 D	5 / 12		H 01 G	13 / 00	332	C 04 B	35 / 653	485	H 01 J	37 / 30	66-73	B 23 K	7 / 10
210.4	D 06 M	13 / 00	272.19	B 29 C	45 / 14	333	B 28 B	3 / 00	486-487	B 29 C	67 / 00	73-75	B 23 K	7 / 08
210.5	D 01 D	5 / 12		B 29 C		334	B 28 B	13 / 06		H 05 B	6 / 02	76-77	B 23 K	7 / 10
210.6	B 29 C	47 / 00	272.2	B 29 C			B 28 B	7 / 10	488	H 05 B	6 / 00	78-98	C 21 D	11 / 00
	D 01 F	1 / 10		H 02 K	15 / 12		B 29 C	41 / 42	489-490	B 29 C	67 / 00	79-81	C 21 B	7 / 24
210.7	B 29 C	49 / 08	272.21-279	B 29 C	45 / 14	335	B 28 B	7 / 12		H 05 B	6 / 62	82-86	C 21 B	5 / 02
	D 01 D	5 / 12		B 29 C		336	B 28 B	7 / 10	491	B 29 C	67 / 00	99-100	C 21 B	7 / 24
210.8	D 01 D	5 / 12	279.1	A 63 B	37 / 00	337	B 29 C	33 / 40	492-493	B 29 C	67 / 00	101	C 22 B	13 / 08
211	D 01 F	1 / 02		B 29 C		338	B 28 B	7 / 36		H 05 B	6 / 00		C 22 B	3 / 00
211.1	B 29 C	47 / 00	280	B 29 C	43 / 22	339	B 29 C	53 / 00	494	B 29 C	35 / 08		C 22 B	9 / 02
211.11	B 29 C	47 / 00		B 29 C	55 / 18		B 29 C	55 / 00	495	B 29 C	35 / 10	102	C 21 D	9 / 52
	B 29 C	47 / 88		D 02 J		340	D 02 J	7 / 00	496	B 29 C	35 / 08	103	C 21 D	9 / 54
211.12-211.2	B 29 C	47 / 88	281	B 29 C	53 / 00		B 29 B	15 / 00	497	B 29 C	35 / 08	104	C 21 D	9 / 62
211.21	B 29 C	47 / 38		B 29 C	55 / 00		B 29 C	35 / 02		H 05 B	6 / 00	105-106	C 21 D	9 / 56
211.22-211.23	B 29 C	47 / 60	282	B 31 F	1 / 12		B 29 C	71 / 00	500	B 29 C	43 / 00	105	C 21 D	9 / 54
211.24	B 29 C	47 / 78	283	B 31 F	1 / 14	341	B 29 C	71 / 00		B 29 D	24 / 00	107	C 21 D	1 / 46
212-218	B 29 D	7 / 00	284	B 29 C	49 / 00		B 29 C	17 / 00	501-502	B 29 D	30 / 00		C 21 D	9 / 58
219-224	B 29 C	33 / 40	285	B 29 C	53 / 00		B 29 C	71 / 00		B 29 D	30 / 26	108	C 21 D	9 / 54
225	B 29 C	33 / 40		B 29 C	55 / 00	349	B 29 B	15 / 00	503-509	B 29 C	43 / 22		C 21 D	9 / 56
	B 29 C	67 / 00	286-287	B 31 F	1 / 20		B 29 B	7 / 00		B 29 C	59 / 00	109	C 21 D	9 / 52
226-227	B 29 C	33 / 40	288.4	B 29 C	49 / 08	400	B 29 C	35 / 08	510-514	B 29 C	45 / 00	110	C 21 D	1 / 74
228	B 28 B	5 / 00		B 29 C	55 / 00	401	B 29 C	35 / 04		B 29 C	47 / 00		C 21 D	1 / 76
229	B 29 C	45 / 14		D 02 J	1 / 22	402	B 29 C	35 / 08		B 29 C		111	C 21 D	9 / 56
	B 29 C		288.8	D 02 J	1 / 06	403	B 29 C	35 / 12		B 32 B	37 / 00	112-113	C 21 D	9 / 54
230	B 29 C	41 / 00	289.3	D 02 J	1 / 22	404	B 29 C	35 / 02	515-516	B 29 C	45 / 14	112-114	C 21 D	1 / 62
	B 29 C	61 / 00	289.6	B 29 C	55 / 00	405	B 29 C	35 / 08	517-518	B 27 N	1 / 00	114	C 21 D	1 / 00
231	B 29 C			D 02 J	1 / 22		H 05 B	6 / 00		B 29 C	43 / 22		C 21 D	9 / 00
	B 29 D	29 / 10	290.2	B 29 C	55 / 00		H 05 B	7 / 00	519-522	B 29 C	35 / 02	115	C 21 D	7 / 00
	B 29 D	30 / 06	290.5	D 02 J	1 / 22	406	G 01 B	15 / 00		B 29 C	43 / 02		C 21 D	9 / 68
232	B 28 B	11 / 00	290.7	D 01 D	5 / 16	407	G 01 B	17 / 00		B 29 C	49 / 00	116	C 21 D	1 / 62
	B 29 B	15 / 00	291-292	B 28 B	11 / 08	408-409	G 01 B	11 / 00		B 29 C	71 / 00		C 21 D	1 / 64
233	B 29 B	15 / 00		B 29 C	49 / 08	410	G 01 B	15 / 00	523-543	B 29 C	39 / 02		C 21 D	9 / 02
234-235	B 29 C	71 / 00		B 29 C	55 / 00	411	G 01 B	11 / 00		B 29 C	43 / 02	117	C 21 D	9 / 00
235.6	B 29 C	71 / 00	293	B 28 B	11 / 08	412	G 01 B	15 / 00		B				

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U.S. CLASS 266--Con.															
130-134	C 21 D	1/62	243-244	C 21 C	5/42	114	F 16 F	5/00		F 16 F	7/00	216-227	B 25 B	1/06	
	C 21 D	9/00	245-247	C 21 C	5/50		F 16 F	9/00		F 16 F	9/00		B 25 B	1/16	
135-136	C 21 B	9/10	248	C 21 B	13/08	115	B 61 G	11/12	228	B 60 G	11/00	228	B 25 B	1/14	
	C 21 C	5/42		C 22 B	7/00		B 61 G	9/08	229-230	B 60 G	11/02		B 25 B	5/12	
	C 21 C	5/46	249	C 21 D	9/00		F 16 F	5/00	231-240	B 60 G	11/36	229-236	B 25 B	1/08	
137	C 22 B	1/00		C 21 D			F 16 F	9/00	241	B 60 G	11/46		B 25 B	5/08	
	C 22 B	1/14	250-258	C 21 D	1/74	116	B 61 G	11/12	242-244	B 60 G	11/02	237-239	B 25 B	1/04	
	C 22 B	19/02	250	C 21 D	1/76		F 16 F	5/00	245	B 60 G	11/12		B 25 B	5/04	
138	C 21 B	9/14	251-258	C 21 D	1/06		F 16 F	9/00	246	B 60 G	11/08	240-247	B 25 B	5/10	
139-141	C 21 B	9/00	259-260	C 21 D	1/62	117	A 47 C	25/00	247	B 60 G	11/02	240-253	B 25 B	1/10	
142-143	C 21 B	13/06	261	C 21 D	1/08		A 47 C	27/08	248-255	B 60 G	11/14	246-253	B 25 B	5/00	
	C 21 B	13/14	262-264	C 21 D	1/00		F 16 F	5/00	256	B 60 G	11/26	254CS-254MW	B 25 B	1/06	
	C 21 B	7/00	265-270	C 21 B	7/16		F 16 F	9/00	257-258	B 60 G	11/22	254D	B 25 B	1/06	
144-159	C 21 B	7/22	271-273	C 21 C	5/48	118-120	F 16 F	5/00	259	B 60 G	11/32	254R	B 25 B	5/06	
	C 21 C	5/38	274-279	C 21 B	3/00		F 16 F	9/00	260-263	B 60 G	11/10		B 43 L	5/02	
	C 21 C	5/40	280-285	C 21 B	7/04	121	F 16 F	13/00		F 16 F	1/26		H 01 L	21/687	
160	C 21 B	13/14		C 21 B	7/06		F 16 F	5/00	264	B 60 G	11/12	256	B 25 B	1/00	
	C 21 C		280-286	C 21 C	5/44		F 16 F	9/00	265-268	F 16 F	1/28	257-286	B 25 B	1/24	
	C 22 B		286	C 21 B	7/02	122-123	F 16 F	5/00		B 60 G	11/10		B 25 B	5/16	
	C 22 B		287	B 22 D	41/015	124-125	F 16 F	9/18		F 16 F	1/26	287-329	B 23 Q	3/00	
161-162	C 22 B	1/00		B 23 K		126	F 16 F	9/18	269-270	B 60 G	11/12				
	C 22 B	3/00		C 21 B			F 16 F	9/43		F 16 F	1/30				
	C 22 B	5/00		C 21 C		127-128	F 16 F	9/18	271	B 60 G	11/12				
162	C 21 B	13/14		C 21 D		129	F 16 F	9/18		F 16 F	1/28				
	C 21 C	5/00		C 22 B			F 16 F	9/36	272	B 60 G	11/14				
163	C 21 B	11/06		C 22 C		130	F 16 F	7/00		F 16 F	1/10				
	C 21 B	13/08		C 22 F		131	A 47 C	7/14	273-274	B 60 G	11/18	1.01-1.03	B 41 F	13/54	
	C 22 B	1/216		F 27 B			F 16 F	1/00		F 16 F	1/14	4	B 41 F	13/58	
164	C 21 B	11/02				132	B 62 J	1/02	275	B 60 G	11/14	5.01-9	B 41 F	13/58	
	C 21 B	13/02					F 16 F	1/00		F 16 F	1/06	10-16	B 41 F	13/64	
	C 22 B	1/214				133	A 47 C	7/14	276-278	B 60 G	11/18	17	B 41 F	13/68	
165	C 21 B	11/00					F 16 F	1/00		F 16 F	1/14	18-19	B 41 F	13/64	
	C 21 B	3/10				134	F 16 F	1/00	279-280	B 60 G	11/22	20.1-21.1	B 41 F	13/56	
166	C 21 B	7/00	1.5	F 16 F	1/34		F 16 F	3/00		F 16 F	1/48	22.1	B 41 F	3/20	
167	C 21 B	15/00	2	B 60 G	11/00	135	F 16 F	1/00	281-282	B 60 G	11/22	30.01-30.13	B 65 H	29/46	
168	C 21 B			B 60 G	17/00		F 16 F	3/06		F 16 F	1/38	32	B 41 L	43/00	
	C 22 B	3/02		B 60 G	21/00	136-140	F 16 M	1/00	283	B 60 G	11/02	37	B 41 L	43/12	
	C 22 B			B 61 F	9/00		F 16 M	11/00		F 16 F	1/18	38	B 41 L	43/10	
169	C 22 B	11/10		F 16 F	5/04		F 16 M	3/00	284-285	B 60 G	11/18	39.01-39.09	B 41 L	1/32	
170	C 22 B	13/08		F 16 F	1/04		F 16 M	5/00		F 16 F	1/14	40	B 41 L	1/30	
	C 22 B	3/00	3-4	B 61 F	5/04		F 16 M	7/00	286-287	B 60 G	11/14	41	B 41 L	43/04	
171	C 21 B	7/00	5	F 16 F	1/04		F 16 M	9/00		F 16 F	1/04	42	B 41 L	43/08	
	C 22 B	1/00	6	B 62 B	9/18	140.11-140.15	F 16 F	13/00	288	B 60 G	11/14	43	B 41 L	43/10	
	C 22 B	4/08	7	B 60 G			F 16 F	15/00		F 16 F	1/08	44	B 41 L	43/14	
172	C 22 B	1/10		B 61 F	5/02		F 16 F	5/00	289-291	B 60 G	11/14	45-47	B 42 C	1/00	
	C 22 B	5/14		A 01 H	5/02		F 16 F	9/00		F 16 F	1/04	48	B 42 C	1/10	
173	C 21 B	11/06		B 60 G			F 16 M	11/00	292	B 60 G	11/22	49-50	B 42 C	1/00	
	C 21 B	13/08	23-32	B 60 G	11/34		F 16 M	5/00		F 16 F	1/36	51	B 42 C	1/10	
	C 22 B	1/216	33	B 60 G	11/52		F 16 M	7/00	293	B 60 G	11/22	52.01-52.3	B 42 B	2/02	
174	C 21 B	7/24	34	B 60 G	11/56		F 16 M	9/00		F 16 F	1/44		B 42 B	2/02	
175-183	C 22 B	1/00	35	B 60 G	11/62	140.2-140.5	F 16 M	1/00	286-287	B 60 G	11/14	56	B 65 H	39/00	
175	C 21 B	7/00	36.1	B 60 G	11/02		F 16 M	11/00	294	B 60 G	11/22	58.01-58.34	B 65 H	33/04	
176-183	C 21 B	7/16		F 16 F	1/18		F 16 M	3/00		F 16 F	1/40		B 65 H	39/02	
176-184	C 21 B	7/18	37.1-37.4	B 60 G	11/02		F 16 M	5/00					B 65 H	41/00	
185	C 22 B	1/16		F 16 F	1/24		F 16 M	7/00					B 65 H	5/30	
186-188	C 21 B	7/16	38-53	B 60 G	11/02		F 16 M	9/00					B 65 H	43/02	
	C 21 C	5/46		F 16 F	1/18	141-141.7	F 16 F	7/00	U.S. CLASS 269 WORK HOLDERS	1-2	B 25 B	3/00	59	B 65 H	43/00
	C 21 C	5/48	64.11-64.12	F 16 F	5/00	142-144	A 47 C	23/00		3-7	B 25 B	1/00	60	B 65 H	39/00
189-194	C 21 B	7/10	64.13	F 16 F	5/00		A 47 C	27/00		8	B 25 B	11/00			
189	C 21 B	9/16		F 16 F	9/10		F 16 F	1/00		9-11	B 23 Q	3/00			
191	C 21 B	7/14	64.14	F 16 F	5/00		F 16 F	3/00			B 25 B	1/00			
195-196	C 21 B	7/14	64.15	F 16 F	9/14	145-146	F 16 F	1/00		12	B 23 Q	5/00			
197-198	C 21 B	11/02	64.16	B 60 G	17/00	147-149	F 16 F	1/36		13-20	B 23 Q	3/00			
	C 21 B	13/02		F 16 F	5/00	150	F 16 F	1/00			B 25 B	1/00			
	C 22 B	1/214	64.17	B 60 G	17/00	151	F 16 F	3/02		21	B 25 B	11/00	1-2	B 65 H	5/00
197-199	C 21 B	7/08		F 16 F	9/14	152	F 16 F	3/08		22-35	B 23 Q	3/08	3.01-3.09	B 65 H	5/22
200	C 21 C		64.18	F 16 F	9/342	153	F 16 F	1/36		36	B 25 B	5/14		B 65 H	83/00
	C 22 B	21/00	64.19-64.21	F 16 F	9/04	154	F 16 F	1/14		37-45	B 25 B	1/20	3.11-3.24	B 65 H	5/22
201-202	C 21 C	1/00	64.22	F 16 F	9/342	155	F 16 F	1/06		46-48	B 23 Q	1/00		B 65 H	83/00
201	C 21 B	3/06	64.23-64.24	F 16 F	9/04	156	F 16 F	1/10		48.1	B 23 Q	3/14		B 65 H	85/00
203	C 21 C	3/00	64.25	F 16 F	9/22	157	F 16 F	1/06		48.2-48.4	B 23 Q	3/00	4.01-7	B 65 H	5/22
	F 27 B	3/00	64.26	F 16 F	5/00	158-160	F 16 F	1/18		49-54.5	B 23 Q	1/00	8.1	B 65 H	1/00
204	C 22 B	9/02	64.27	F 16 F	9/04	161	F 16 F	1/34		55	B 23 Q	1/25		B 65 H	11/00
205	C 22 B	7/04	64.28	F 16 F	9/43	162	F 16 F	1/20		56-57	B 23 Q	1/64		B 65 H	3/00
206	C 22 B	7/00	66-68	B 60 G	1/00		F 16 F	1/34		58-64	B 23 Q	3/18		B 65 H	5/00
207-211	C 21 C	7/10		B 60 G	13/00	163	F 16 F	1/18		65-85	B 23 Q	1/25		B 65 H	7/00
212-213	C 21 C	1/00	69-74	F 16 F	1/00	164-165	F 16 F	1/20		71-85	B 25 B	1/22		B 65 H	9/00
214	C 21 C	5/04		F 16 F	9/00	166	F 16 F	1/06		86-87.2	B 43 L	5/00	9.01-9.13	B 65 H	3/44
215	C 21 C	1/00	75	F 16 F	13/00	166.1	F 16 F	1/06		86-90	B 25 B	1/00		B 65 H	5/26
	C 21 C	5/42		F 16 F	15/02		F 16 F	1/08		88-90	B 43 L	5/00	10.01-10.16	B 65 H	5/00
216-217	C 21 C	7/00	80	F 16 F	3/00	167	F 16 F	1/06		91-103	B 23 Q	3/02	11-15	B 65 H	5/08
218-222	C 21 C	5/48		F 16 F	5/0										