

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 246--Con.														
U.S. CLASS 246														
RAILWAY SWITCHES AND SIGNALS														
20-21	B 61 L	21/00	272	B 61 L	29/18	98	A 63 B	55/08		F 21 V	21/00	316.1-316.7	A 47 G	1/10
22-26	B 61 L	21/04	273-276	B 61 L		99-101	B 65 B	67/04		F 21 V	35/00	316.8	A 47 F	5/00
27-28	B 61 L	21/00	273	E 01 B	7/00	102	A 47 D	15/00	213.1	A 47 B	96/06	317-334.1	A 47 H	1/10
28E-28R	B 61 L	21/00	274-275	A 01 H	5/02		A 61 J	9/06		A 47 G	25/06	335-344	B 42 F	13/00
29A-29R	B 61 L	3/06	276	E 01 B	7/14	103-107	A 47 D	15/00		A 47 K	1/00	345	H 05 K	5/02
29A	B 61 L	11/00	277	B 61 L	23/32	108-109	B 65 D	35/56		A 47 K	5/00	345.1	A 47 B	95/00
29R	B 61 L	13/00	278-283	B 61 L	11/02	110-113	A 46 B	17/02		E 04 G	3/00	346.01-346.11	A 47 B	91/00
30-33	B 61 L	21/00	284-291	B 61 L	11/04	114-116	A 47 F	7/00		E 04 G	5/06		A 47 G	29/00
30	B 61 L	1/10	292-313	B 61 L	13/00	117.1	D 06 F	75/40		E 05 D	1/00		B 65 D	19/00
63A	B 61 L	3/12	292	B 61 L	29/00		D 06 F	79/02		E 05 D	11/00	346.2-346.5	A 47 B	91/00
63C	B 61 L	3/22	293-296	B 61 L	29/24	117.2-117.7	D 06 F	79/02		E 05 D	3/00	349.1	A 47 B	91/00
63R	B 61 L	1/08	297-313	B 61 L	29/00	118	B 68 G	5/00		E 05 D	7/00		A 47 B	95/00
108-110	B 61 L	1/00	314-358	B 61 L	11/02	118.1-118.5	B 43 L	15/00		F 16 B		351-354.7	A 47 F	5/00
111-117	B 61 L	23/00	359	B 61 L	1/00	121	F 16 L	3/00		F 16 C	11/00		E 04 G	25/00
118-121	B 61 L	23/04		B 61 L	13/00	122.1-125.9	A 47 F	5/00		F 16 L	3/08		F 16 M	13/00
122A	B 61 L	25/02	360	B 61 L	1/02		A 47 F	7/00		F 21 V	21/00	357	E 04 G	25/00
122R	B 61 L	23/34	361-373	B 61 L	13/04		F 16 M	11/00	213.2	F 21 V	35/00		F 16 M	13/00
123-124	B 61 L	25/00	361-374	B 61 L	13/00	126	F 16 M	13/00		A 47 B	96/06	362	A 45 D	42/14
125-130	B 61 L	1/02	374	B 61 L	1/00	127	A 47 G	29/00		A 47 G	29/18	363	A 45 D	42/14
131	B 61 L	19/00	375-381	E 01 B	7/18		A 47 J	47/16		A 47 K	1/00	364	E 05 D	13/00
132	B 61 L	19/06		E 01 B	7/30	128-129	A 47 K	1/04		A 47 K	5/00	370-372.1	A 47 G	29/00
133-135	B 61 L	19/14	451-467	E 01 B	7/00	130-131	A 47 K	5/02		B 44 D	3/12	393-398	A 45 D	19/04
136-163	B 61 L	19/02	468	E 01 B	7/10	132	A 47 F	5/02		B 67 B	5/00		A 47 J	47/16
146	B 61 L	19/14	469	E 01 B	7/16	133-142	A 47 F	5/12		B 67 B	5/06	404-414	F 16 M	11/00
164-165	B 61 L	23/00	470	E 01 B	7/10	143-145.6	A 47 J	47/16		E 04 G	3/00	415-430	F 16 M	13/00
166	B 61 L	1/00	471	E 01 B	7/12	146-154	A 47 G	23/02		F 16 B		431-436	F 16 M	11/38
166.1	B 61 L	15/00	472	E 01 B	7/00	155-155.5	A 45 D	19/04		F 16 L	3/08	439-440.1	F 16 M	11/32
167A	B 61 L	23/06	473A	A 63 H	19/34	157	A 47 J	47/16	213.3-213.4	F 21 V	21/00	441.1	A 47 B	19/00
167D	B 61 L	23/34	473R	B 61 L	5/12	158-160	A 45 F	3/44		F 21 V	35/00		A 47 B	23/00
167M-167R	B 61 L	3/18		B 61 L	5/20	161-162.1	F 16 M	11/00		A 47 B	96/06		A 47 B	97/04
167M	B 61 L	1/08	473.1	B 61 L	9/00	163.1-163.2	F 16 M	11/00		A 47 K	1/00	442	A 47 F	
167R	B 61 L	3/00	473.2-473.3	B 61 L	29/24	164	F 16 M	11/20		A 47 K	5/00		G 04 B	37/14
168.1	B 61 C	15/00	474-478	B 61 L	5/12	165	F 16 M	11/24		E 04 G	3/00	442.2	B 41 J	11/02
169A-169D	B 61 K	9/04		B 61 L	5/20	166-173	F 16 M	11/38		E 04 G	5/06	443	G 10 G	5/00
169D	B 61 K	9/06	479-484	B 61 L	9/00	174-175	A 45 D	19/04		F 16 B		444	A 47 B	97/04
169R	B 61 K	1/00	485	B 61 L	5/14		A 47 J	47/16		F 16 L	3/08	444.1	A 47 B	5/04
169S	B 61 K	3/00	486	B 61 L	5/16	176.1-176.2	F 16 M	11/00	214-220.43	F 21 V	21/00	445-446	A 47 B	23/00
170-181	B 61 L	3/00	487	B 61 L	5/12	177.1-181.1	F 16 M	11/02		F 21 V	35/00		A 47 B	65/00
182A	B 61 K	7/12	488	B 61 L	9/00	181.2-184.1	F 16 M	11/14		F 24 D	19/00	447	A 47 B	97/04
182AA-182AB	B 61 L	17/00	489	B 61 L	5/12	185.1-186.1	F 16 M	11/06		F 24 D	19/02	447.1	A 47 B	23/04
182B-182R	B 61 L	3/00		B 61 L	5/02	186.2	F 16 M	11/08		F 24 H	9/06	447.2	A 47 B	97/04
182BH	B 60 T	7/12	27.1-27.3	G 12 B	9/00	187	F 16 M	11/16		A 47 B	96/06		A 47 B	97/06
182R	B 61 C	17/12	27.5	A 47 G	29/00	188	F 16 M	11/20	221.11-227.4	A 47 B	96/00	448-453	A 47 B	97/04
183-207	B 61 L	3/00	27.8	A 47 G	7/00	188.1	F 16 M	11/24		A 47 K	1/00	454-457	A 47 G	1/24
189-190	B 61 B	13/08	37.3-37.6	A 47 G	21/14	188.2-188.4	F 16 M	11/24		E 04 G	3/00	458-465	A 47 B	97/04
208	B 61 L	15/00	48.1	E 04 D	13/064	188.5	F 16 M	11/26		F 21 V	21/00	465.1	A 47 B	23/00
209	B 61 L	5/12	48.2	E 04 D	13/072	188.6	F 16 M	11/38		F 21 V	35/00		A 47 B	41/06
210-211	B 61 L	5/20	49-53	F 16 L	3/00	188.7-188.91	A 47 B	91/00		F 21 V	21/00	466-474	A 47 F	5/01
212-214	B 61 L	5/22	55	F 16 L	3/16	200	F 16 M	11/20	228.1-230.9	F 21 V	21/00		A 47 F	1/14
215-217	B 61 L	5/20	56-57	F 16 L	5/00	200.1	F 16 M	11/00		F 21 V	35/00	475.1	A 47 G	7/14
218-244	B 61 L	5/00	58-64	E 21 F	17/02	201-202.1	E 04 G	25/00		A 47 B	96/06	476-487	A 47 G	1/24
218-252	B 61 L	11/08	65-67	F 16 L	3/08	205.1	F 16 M	11/00		E 04 G	3/00		B 00 R	1/02
245-252	B 61 L	13/04	67.5	F 16 L	3/10		A 47 B	96/06		F 16 B	1/00	488	A 47 F	7/14
253-257	B 61 L	5/00	67.7	F 16 L	3/08		A 47 F	5/00	231.21-231.85	G 09 F	7/18		A 47 G	1/04
257-258	B 61 L	7/04	68.1-69	F 16 L	3/22		A 47 F	5/08		A 47 B	96/06	489-494	A 47 G	1/16
257-260	B 61 L	11/06	70	F 16 L	3/08	205.2	E 04 H	1/10		E 04 G	5/06	495-496	A 47 G	1/24
260	B 61 L	5/04	71	F 16 B	45/00		E 04 G	3/00	231.9-231.91	A 47 F	5/08	497-498	A 47 G	1/16
261	B 61 L	29/08	72	F 16 L	3/24	205.3-205.4	A 44 B	13/00	232-234	F 24 H	9/06	499	B 65 D	63/00
262	B 61 L	11/02	73	F 16 L	3/00		A 47 G	1/17	235-250	A 47 G	29/02	500-510	A 47 B	97/00
	B 61 L	13/02	74.1	F 16 L	3/08	206.5	A 47 G	1/17	251-260	E 06 B	7/28	511-530	F 16 M	13/00
	B 61 L	3/04	74.2	F 16 L	3/12	207-208	A 07 B	5/00	261-265	A 47 H	1/10	532-533	A 01 K	97/10
	B 61 L	5/02	74.3	F 16 L	3/08		E 06 F	7/28	266-273	A 47 H	1/10		A 45 B	25/28
263	B 61 L	7/02	74.4-74.5	F 16 L	3/08	209	A 47 G	5/00		A 47 H	1/13		A 47 G	25/12
	B 61 L	13/04	75-79	F 16 L	3/08	210-211	A 47 B	96/06	274.1-280.11	E 06 B	9/17		A 47 G	33/12
	B 61 L	3/08		A 62 C	13/76	212	A 47 K	1/00	281.11	E 04 G	3/00		H 01 Q	1/12
	B 61 L	5/06		A 62 C	37/50		A 47 K	5/00		A 47 F	5/00	534-541	A 01 K	97/10
	B 61 L	7/06	80-93	B 05 B	15/06		A 47 K	5/02	282.1-287.1	E 04 G	3/00		A 45 B	25/28
264	B 61 L	11/00		B 05 B	15/06	213	E 04 G	3/00	288.11-289.31	A 47 F	5/00		A 47 G	25/12
265	B 61 L	11/08	94	B 01 D	29/085		E 04 G	5/06	290.1-294.1	E 04 G	3/00	542-636	F 16 M	13/00
266-269	B 61 L	11/02		B 01 D	29/085		F 16 B	3/08	295.11	A 47 F	1/10	637-681	F 16 M	1/00
270A-270R	B 61 L	11/00		B 05 B	39/00		F 16 L	3/08	296.1-297.11	E 04 G	3/00		F 16 M	11/00
	B 61 L	1/00		B 05 B	39/00		F 21 V	21/00	297.21-297.51	A 47 F	1/10		F 16 M	3/00
271	B 61 L	13/00	95	B 67 C	11/00		F 21 V	35/00	298.1-301	A 47 F	5/00		F 16 M	5/00
	B 61 L	11/06	96	B 65 B	67/12		F 21 V	35/00		A 47 H	1/10		F 16 M	7/00
	B 61 L		97	B 65 B	67/12		A 01 M	31/02	302-303	A 47 H	1/16	682	F 16 M	11/00
	B 61 L			A 63 B	55/00		A 47 B	96/06	304-308	F 16 B	45/00	683-694	A 47 G	29/00
	B 61 L			A 63 B	55/04		A 47 K	1/00	309.					

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 249--Con.														
1	E 01 D		116	B 29 C	33/44	214D	B 60 Q	1/14		H 01 J	47/00	432PD	B 01 D	59/44
	E 02 B		117	A 01 J	25/13		G 05 D	25/02	306-311	G 01 N	23/00	440.11-441.11	G 01 F	23/00
	E 02 D			B 22 C	9/06	214DC	H 03 K	17/78		G 21 K	7/00	440.11	G 21 K	5/08
	E 04 C			B 28 B	7/00	214L-214R	G 01 J	1/44	315.3	G 03 G	13/00		G 21 K	5/10
	E 04 G	11/06		B 28 C	1/04	214LA	H 01 J	43/00		G 03 G	15/00	441.11	G 01 K	5/08
	E 04 G			B 29 C	33/00		H 01 J	43/30	316.1	G 03 G	5/16		G 01 K	5/10
	E 21 D	9/00		B 41 B	9/08	214LS	H 03 K	17/78	317.1-319	G 03 C	5/16	442.11-443.1	G 21 K	5/10
2-9	E 01 C	7/00		B 41 D	3/00		H 03 K	19/14	324-326	H 01 T	19/04	443.1-454.11	G 01 N	21/00
2	E 01 C	13/00	118	B 41 B	11/56	214P	G 01 J	1/42	328	G 01 T	1/00	443.1	G 01 N	23/00
	E 01 C	15/00	119-126	B 28 B	7/24		G 03 B	7/08	329	G 01 B	21/00		G 21 K	5/08
	E 01 C	19/50		B 28 B	7/26	214PR	H 01 L	31/08	330	G 02 F	1/01		H 01 J	37/20
8	E 01 C	11/22	119	B 22 C	9/20	214R	H 01 J	40/14		H 01 L	31/00	455.11	G 01 N	23/00
	E 01 C	9/00		B 41 B	11/68		H 03 F	3/08	331	G 02 F	1/13		H 01 J	37/20
9	E 01 C	11/02	126	B 41 D	3/06	214RC	G 01 J	1/44	332	H 01 L	25/00	458.1-459.1	F 21 V	9/16
10-12	E 02 B		127-133	A 23 G	9/00		H 01 J	40/14	333	H 01 J	31/49		G 01 J	1/58
10	E 04 G	11/28		B 28 B	7/06	214SF	G 03 B	15/05	334	G 02 B	26/10		G 01 T	1/10
	E 21 D	9/00		F 25 C	1/24	214SG	H 01 L	31/12	335	G 01 T	5/04		G 21 H	3/02
11-12	E 02 D	29/00	134-135	B 28 B	7/34	214SW	H 03 K	17/78		G 01 T	5/06		G 21 K	5/00
11	E 04 G	11/02	136	B 28 B	7/10	214VT	H 01 J	31/50	336.1	G 01 J	1/00		H 01 J	65/06
12	E 01 F	5/00	137	B 28 B	7/08		H 01 J	43/30		G 01 T	1/00		H 01 J	65/08
	E 21 D	9/00		B 41 B	11/66	214.1	H 01 L	31/00	336.2	H 01 L	27/18	461.1-461.2	G 01 N	21/64
13-14	B 28 B	7/22	138	B 41 B	9/10	215-222.2	H 01 J	40/14		H 01 L	39/00	462.1-467.1	F 21 K	2/00
13	B 28 B	7/00	139	B 29 C	33/22	216	H 01 J	3/14	337	G 01 T	1/11	472.1-473.1	G 01 T	1/04
	E 02 D		140-141	B 29 C	33/46		H 01 J	5/16	338.1	G 01 J	5/00		G 01 T	1/06
	E 04 B		142	B 28 B	7/16	221	G 06 M	7/00	338.2	H 01 L	37/00		G 01 T	5/00
	E 04 F		143	B 29 C	33/46	222.2	G 01 V	8/00	338.3	G 01 J	5/00		G 03 G	5/10
	E 04 G		144-153	B 22 C	9/24	223B	B 07 C	5/12	338.4	G 01 J	5/20	474.1	G 01 N	21/00
14	E 04 G	13/06	144	B 41 D	3/08		B 07 C	5/34		H 01 L	27/14		G 01 N	5/00
15	E 04 G	13/00	154	B 41 D	3/04		G 01 N	21/90	338.5	H 01 L	31/00	475.2	G 03 B	42/00
16	E 04 G	9/10	155-157	B 41 B	11/60			9/04		G 01 N	21/00		G 03 C	5/16
17	E 04 G	15/06	155-158	B 28 B	7/02			7/00	339.01-340	G 01 J	5/02	482.1	G 03 B	11/00
18-19	E 04 G	11/00	158-159	B 41 B	11/68			40/14	341.1-353	G 01 J	5/02	483.1	G 01 J	1/58
20-22	E 04 G	11/20	159	B 28 B	7/04	225	G 02 F	1/01	354.1	G 01 J	1/42		G 01 N	21/64
23-25	E 04 G	13/04	160	B 41 B	11/54	226	G 01 J	3/50		G 01 T	1/00		G 01 T	1/00
23	E 04 G	17/00	161-162	B 41 B	11/56		H 01 J	5/16	356.1-356.2	G 01 F	1/00	484.2-484.5	H 05 B	33/00
26-27	E 04 G	11/02	163-167	B 41 B	11/60	227.11-227.16	G 01 J	1/04		G 01 N	21/00	485.1-488.1	G 01 J	1/58
28-32	E 04 G	11/40	168-169	B 41 B	11/58		G 01 J	1/42	357.1-360.1	G 01 F	23/00		G 01 N	21/64
33-34	E 04 G	11/06	170-173	B 41 B	11/54		G 01 J	5/08		G 01 N	1/20		G 01 T	1/00
35	E 04 G	15/00	174	B 22 D	7/06	227.17-227.19	G 01 J	4/00	361C	G 01 T	1/10	489	B 01 D	59/44
36-38	E 04 G	11/18	175-177	B 28 B	7/28	227.18-227.19	G 01 J	5/08	363.02-363.03	G 01 T	1/164		H 01 J	49/26
39	E 04 G	15/00	178-182	B 28 B	7/30	227.2	G 02 B	6/06	363.02	G 01 T	1/161	491.1	G 01 J	1/00
40-47	E 04 G	11/06	183	B 29 C	33/76	227.21	G 01 J	1/34	363.04-363.05	G 01 T	1/166		G 01 N	21/00
	E 04 G	17/06	184-186	B 28 B	7/28	227.22	G 01 J	1/36	363.06-363.09	G 01 T	1/161		G 01 N	23/00
48-49	E 04 G	13/02	187.1	B 29 C	33/00	227.23	G 01 N	21/25		G 01 T	1/164	492.1-492.2	A 61 N	5/00
50	B 28 B	7/22	188-196	E 04 G	9/00	227.24	G 02 B	6/26	363.1	G 21 K	1/02		G 21 G	5/00
	E 04 G	11/50	197-202	B 22 D	7/10	227.25	G 02 B	6/42	364-369	G 01 T	1/20	492.21-492.24	H 21 K	5/10
51	E 02 D	5/34	203	A 23 G	9/00	227.26	G 02 B	26/00	370.01-370.04	G 01 T	1/24		G 01 J	37/08
	E 02 D	5/64	204	B 22 D	41/00	227.27-227.32	G 01 B	9/10	370.01-371	G 01 J		492.3	A 61 N	5/00
	E 04 C	3/30		B 22 D	7/10	228	G 01 J	1/00	370.02	G 01 T	1/178		G 21 G	5/00
	E 04 G	13/02	205	B 28 B	7/00	229	G 01 D	5/34	370.03	G 21 C	17/04	493.1	G 21 G	4/00
52	B 28 B	7/16		E 04 G	17/00		H 01 J	1/56	370.04	G 01 T	3/00	494.1	A 61 N	5/06
	B 28 B	7/20	206	B 22 D	35/04	230	G 01 D	5/30	370.05	G 01 T	3/08		G 01 J	
53M-53R	B 29 C	39/00		B 22 D	7/12	231.1-231.18	G 01 D	5/34	370.06	G 01 T	1/24	495.1	G 01 J	1/00
	B 29 C	41/00		B 41 B	11/84	231.17	G 01 J	9/00	370.07	G 01 T	1/02	496.1-498.1	G 21 F	5/02
54	A 61 C	9/00	207-212	E 04 G	17/00	231.19	G 01 J	1/56	370.08-370.09	H 01 L	27/146	503.1	G 01 J	1/00
55	A 41 G	1/02	213-218	E 04 G	17/06		G 01 J	5/46	370.08-370.1	H 01 L	25/00	504H	G 02 B	1/00
	B 22 C	9/22	219.1-219.2	E 04 G	17/00	232-233	G 01 D	5/36		H 01 L	27/00		G 02 B	5/00
56	B 22 C	9/28				234-236	H 01 J	3/14	370.08-370.15	G 01 T	1/24	504R	A 61 N	5/06
57	B 22 C	9/24					H 01 J	40/14	370.1	G 01 T	1/29		G 01 J	3/10
	B 22 C	9/30					H 01 J	5/16	370.11	G 01 T	1/20		G 01 J	
58	B 22 C	9/22				237G-237R	G 01 D	5/36	370.13	H 01 L	27/146		H 05 G	2/00
59	B 29 D	1/00	200	C 12 Q	1/68	237R	G 01 D	5/38	371	G 01 T	1/26	505.1	G 02 B	5/00
60	B 22 C	9/26		G 01 J			G 01 J	1/04	372-373	G 01 J	1/42		G 21 K	1/00
	B 22 D	25/04		H 01 J	40/00	238-239	H 01 J	40/14	374-381	H 01 J	47/00		H 01 J	1/52
61-62	B 28 B	7/34	201.1	G 01 J	1/20	238	H 01 J	7/24	374-388	G 01 T	1/18		H 01 J	29/46
63-64	B 29 C	39/00	201.2-201.7	G 02 B	27/40	239	H 01 J	5/02	382	G 01 T	1/185		H 01 J	3/00
	B 29 C	41/00		G 02 B	27/64	250	G 01 R	23/02	383-389	H 01 J	47/00		H 01 J	5/18
65	B 28 B	7/32		G 02 B	7/04	251	H 01 S	1/00	389	G 01 T	1/185	506.1-515.1	G 21 F	5/00
66.1-77	A 23 G	9/00	201.7	G 03 B	3/00		H 01 S	3/00	390.01	G 01 T	3/00	515.1	G 21 C	11/00
78-79	B 22 D	27/02	201.8	G 01 B	9/04		H 05 H	3/02	390.02	G 01 N	23/05		G 21 F	1/00
78	B 28 B	7/42		G 02 B	21/00	252.1	G 01 D	18/00	390.03	G 01 T	1/02		G 21 F	3/00
80-81	B 22 D	27/04	201.9	G 01 J	1/20		G 12 B	13/00		G 01 T	3/00		G 21 F	7/00
82	B 29 C	39/00	202	G 05 B	1/00	253-268	G 01 V	5/00	390.04-390.06	G 01 N	23/00	516.1	G 21 F	3/02
	B 29 C	41/00	203.1-203.7	G 01 C	21/02	256-268	G 01 V	5/04	390.07-390.1	G 01 T	3/00	517.1	G 21 F	3/04
83	B 22 D	19/00		G 01 C	21/24	269.1-269.2	G 01 V	5/08	390.11	G 01 T	3/06	518.1	G 21 C	11/00
84	B 22 D	7/02		G 01 J	1/20	269.3	G 01 V	5/12	390.12-392	G 01 T	3/00	519.1	G 21 F	3/02
85	B 28 B	5/00	204	G 01 J	1/36	269.4-269.8	G 01 V	5/10	391-392	G 01 J		522.1	H 01 J	29/02
86-88	B 22 D	19/08	205	G 01 J	1/32	271	G 06 K	7/10	393-395	G 01 J	1/42	526	G 01 J	5/00
89-90	B 22 D	19/04	206	G 01 J	1/44	281-285	H 0							