

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 281--Con.														
35-37	B 42 D	3/00	52-60	F 16 L	55/00		F 16 L	5/00	296.1	F 16 L	47/00		F 02 D	29/06
35	B 42 D	3/02	52	F 16 L	19/02	139.1-139.3	F 16 L	27/00	298-303	F 16 L	27/12		H 02 P	9/04
38-39	B 42 D	1/00	53-54	F 16 L	21/00		F 16 L	27/04	298	F 16 L		5-6	H 02 P	9/04
38	B 42 D	5/00	55	F 16 L	9/14		F 16 L	3/04	302-303	F 16 L	15/02	7	F 02 D	29/06
40-41	B 42 D	5/00	56-60	E 03 D	11/00		F 16 L	41/00		F 16 L	39/04		F 03 B	13/10
42	B 42 D	9/00	56	F 16 L	11/12		F 16 L	5/00		F 16 L	49/00		F 03 B	15/08
43-50	B 42 D	17/00	57	F 16 L	51/02	140.1	F 16 L	27/00	304-305	F 16 L	37/00		H 02 P	9/04
45-50	B 42 D	3/00	61-64	F 16 L	3/00		F 16 L	27/04	304	F 16 L	35/00	8	H 02 K	7/20
	B 42 D	7/00	62	B 60 D	1/62		F 16 L	3/04	306	F 16 L	37/06		H 02 P	9/04
51	B 42 D	3/18	63	B 61 G	5/06		F 16 L	41/00		F 16 L	37/16	9	B 60 L	11/02
			65-79	B 60 D	1/62		F 16 L	5/00	307-310	F 16 L	37/00		B 61 C	9/38
				B 61 G	5/08	141.1	F 16 L	27/00	311	F 16 L	37/20	10-11	B 60 L	11/02
				F 16 B	23/00		F 16 L	27/04	312-313	F 16 L	37/00		B 61 C	9/38
				F 16 L	35/00		F 16 L	3/04	312	F 16 L	37/18		H 02 K	23/52
				F 16 L	55/00		F 16 L	41/00	314-316	F 16 L	37/18	12-13	B 60 L	11/02
				F 16 L	33/16		F 16 L	5/00	317-321	F 16 L	39/00		B 61 C	9/38
				F 16 J	15/00	142.1	F 16 L	27/00	322-324	F 16 L	21/06		H 02 K	23/52
				F 16 L	35/00		F 16 L	27/04	325-326	F 16 L	19/02		H 02 K	23/60
				F 16 L	11/00		F 16 L	3/04		F 16 L	25/00	14	B 60 L	11/02
				F 16 L	21/00		F 16 L	41/00		F 16 L	33/22		B 61 C	9/38
				F 16 L	7/00		F 16 L	5/00	325-327	F 16 L	37/26	15	B 60 L	11/02
				F 16 L	9/00	143.1	F 16 L	27/00	328-334.5	F 16 L	25/00		B 61 C	9/38
				F 16 L	17/00		F 16 L	27/04		F 16 L	35/00		H 02 K	23/60
				F 16 L	33/16		F 16 L	3/04	335-338	F 16 L	19/00	16-19	B 60 L	11/12
				F 16 L	13/04		F 16 L	41/00	335-343	F 16 L	21/02		B 61 C	9/38
				F 16 L	35/00		F 16 L	5/00	335-380	F 16 L	17/00	20	B 60 L	11/02
				F 16 L	55/00	144.1	F 16 L	27/00	339-343	F 16 L	19/06		H 02 K	23/60
				F 16 L	27/00		F 16 L	27/00		F 16 L	19/08	21	B 60 L	11/02
				F 16 L	27/00		F 16 L	21/00	344-362	F 16 L	33/18		B 61 C	9/38
				F 16 L	39/04		F 16 L	27/00	344-380	F 16 L	19/00	22	B 60 L	11/02
				F 16 L	27/00		F 16 L	37/52	363-368	F 16 L	23/00		B 61 C	9/38
				F 16 L	39/04	148.1-148.27	F 16 L	55/00	363-380	F 16 L	21/02		F 02 N	11/04
				F 16 L	41/00		F 16 L	37/00	378-380	F 16 L	33/18	23-26	B 60 L	11/02
				F 16 L	17/00	148.28-148.9	F 16 L	23/00	381.1-381.5	F 16 B	4/00		B 61 C	9/38
				F 16 L	3/00		F 16 L	27/00		F 16 L	25/00		F 02 N	11/04
				F 16 L	7/00	149.1	F 16 L	11/118	382-382.7	F 16 L	13/14		H 02 K	23/52
				F 16 L	19/00		F 16 L	25/02		F 16 L	19/04		H 02 K	23/60
				F 16 L	39/00	150.1	F 16 L	11/118		F 16 L	19/08	27-28	B 60 L	11/02
				F 16 L	39/00		F 16 L	25/02	383-389	F 16 L	25/00		B 61 C	9/38
				F 16 L	41/00	151.1	F 16 L	11/118	390-393	F 16 L	15/00		F 02 N	11/04
				F 16 L	45/00		F 16 L	25/02	391	F 16 L	37/00	29	B 60 L	11/02
				F 16 L	51/00	152.1	F 16 L	11/118	394-396	F 16 L	25/00		H 02 K	23/60
				F 16 L	39/00		F 16 L	25/02	397-404	F 16 L	21/00	30A	B 60 L	11/02
				F 16 L	41/00	153.1-153.3	F 16 L	11/118	403-404	F 16 L	37/24		F 02 N	11/08
				F 16 L	45/00		F 16 L	25/02	405-416	F 16 L	23/00		H 02 J	9/00
				F 16 L	51/00	154.1-154.4	F 16 L	11/118	417-419	F 16 L	21/00	30B	H 02 J	3/38
				F 16 L	39/00		F 16 L	25/02	420-425	F 16 L	25/00		H 02 J	9/02
				F 16 L	41/00	179-183	F 16 L	43/00	422-425	F 16 L	35/00	30R	B 60 L	11/02
				F 16 L	45/00	179.1-179.2	F 16 L	45/00		F 16 L	55/00		F 02 N	11/08
				F 16 L	51/00	184-185	F 16 L	27/00				31-35	F 02 N	11/04
				F 16 L	39/00	187	F 16 L	55/00					H 02 K	23/52
				F 16 L	41/00	188	F 16 B	12/40					H 02 P	9/04
				F 16 L	45/00		F 16 L						H 02 K	23/52
				F 16 L	51/00	189-190	F 16 L	27/00				36A	F 02 N	11/04
				F 16 L	39/00	189-221	F 16 L	5/00				36R	F 02 N	11/04
				F 16 L	41/00	189-222	F 16 L	41/00					H 02 P	9/04
				F 16 L	45/00	219-221	F 16 L	15/00				37A	F 02 N	11/06
				F 16 L	51/00	222.1-222.5	F 16 L	31/00				37R	F 02 N	11/06
				F 16 L	39/00		F 16 L	33/00					H 02 P	9/04
				F 16 L	41/00		F 16 L	27/10				38A	F 02 N	11/02
				F 16 L	45/00	223-229	F 16 L	21/02					F 02 N	11/04
				F 16 L	51/00	224-225	F 16 L	51/00				38B	F 02 N	11/04
				F 16 L	39/00		F 16 L	21/00					F 02 N	5/04
				F 16 L	41/00	226-229	F 16 L	21/02				38C-38E	F 02 N	11/04
				F 16 L	45/00		F 16 L	51/02					F 02 N	11/08
				F 16 L	45/00	230	F 16 L	49/00					F 02 N	99/00
				F 16 L	51/00	231-237	F 16 L	21/00				38R	F 02 N	11/00
				F 16 L	39/00	234	F 16 L	13/14					H 02 P	9/04
				F 16 L	41/00	238-259	F 16 L	19/04				39	H 02 K	23/60
				F 16 L	45/00		F 16 L	33/00					H 02 P	9/04
				F 16 L	51/00		F 16 L	47/00				40A	F 02 D	31/00
				F 16 L	39/00		F 16 L	49/00					F 02 D	35/00
				F 16 L	41/00	260	F 16 L	31/00				40B-40C	F 02 D	29/06
				F 16 L	45/00	261-271	F 16 L	27/04					H 02 P	9/04
				F 16 L	51/00	272-283	F 16 L	27/00				40D-40E	F 02 D	29/06
				F 16 L	39/00	272.1	F 16 L	45/00				40F	F 02 D	29/06
				F 16 L	41/00		F 16 L	47/04					H 02 P	9/04
				F 16 L	45/00	283	F 16 L	25/00					H 02 P	11/06
				F 16 L	51/00		F 16 L	35/00					F 02 N	9/04
				F 16 L	43/00	284.1	F 16 L	45/00				42	F 03 B	13/10
				F 16 L	43/00	285.1	F 16 L	13/00					F 03 B	13/12
				F 16 L	27/00	286.1-286.2	F 16 L	13/00					H 02 P	9/04
				F 16 L	27/04	287.1	F 16 L	13/00				43	F 03 B	13/00
				F 16 L	3/04	288.1-288.9	F 16 L	13/02					F 03 B	13/10
				F 16 L	41/00	289.1-289.5	F 16 L	13/08					H 02 P	9/04
				F 16 L	5/00	290.1-290.5	F 16 L	47/00				44	F 03 D	9/00
				F 16 L	27/00	291.1-291.2	F 16 L	15/02					H 02 P	9/04
				F 16 L	27/04		F 16 L	27/12				45	B 60 L	11/02
				F 16 L	3/04		F 16 L	39/04					B 61 C	9/38
				F 16 L	41/00		F 16 L	47/00				46	F 02 N	11/04
				F 16 L	5/00		F 16 L	49/00					H 02 K	23/52
				F 16 L	27/00	292.1	F 16 L	47/00					H 02 P	9/04
				F 16 L	27/04	293.1	F 16							

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U.S.		IPC		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			
U.S. CLASS 290--Con.																		
48	H 02 P	9/04	76-77	E 05 C	19/06	264	E 05 C	17/36	U.S. CLASS 294 HANDLING: HAND AND HOIST-LINE IMPLEMENTS							93-95	B 25 B	
49	H 02 K	23/60	80-91	E 05 C	19/06	265-267	E 05 C	17/18										
	H 02 P	9/04	88	E 05 B	17/20	268-270	E 05 C	17/16							B 66 C	1/54		
50	B 60 L	11/12		E 05 B	39/02	271-278	E 05 C	17/04	1.2	A 61 F	9/00	96	B 25 B		B 66 C	1/00		
	H 02 P	9/04		E 05 B	63/18	279-280	E 05 C	19/00	1.3-1.5	A 01 K	29/00		B 25 B		E 21 B	19/06		
51	F 02 N	11/04	92-94	E 05 B	65/10	281-287	E 05 C	19/08	2-3	A 47 G	21/10	97	B 25 B		B 66 C	1/00		
	H 02 P	9/04	95-108	E 05 C	19/10	282	E 05 B	39/02		B 25 B	7/00		B 66 C		B 66 C	1/54		
52	F 01 D	15/10	104	E 05 B	39/02	284	E 05 B	39/02	3.5	E 04 G	21/16	98	B 66 C		B 66 C	1/54		
	F 02 C	6/00		E 05 B	67/00	286-287	E 05 B	39/02	3.6	A 44 B	19/00		B 25 B		B 66 C	1/00		
	H 02 K	7/18	109-115	E 05 C	19/12	288-298	E 05 C	19/18	4	A 47 G	21/00		B 66 C		B 66 C	1/00		
	H 02 P	9/04		E 05 C	5/00	299-304	E 05 C	19/00		B 25 B	7/00		B 66 C		B 66 C	1/46		
53	F 03 B	13/10	116-136	E 05 C	19/10	305-306	E 05 C	17/02	5	A 47 G	21/00	98.1	B 66 C		B 66 C	1/42		
	F 03 B	13/12	137	E 05 C	1/02		E 05 C	17/38	5.5	A 24 B	1/06	99.1	B 66 C		B 25 B	7/00		
	H 02 P	9/04	138-144	E 05 C	1/06		E 05 C	27/30	6	A 47 J	45/00	99.2	B 25 B		B 25 B	9/00		
54	F 03 B	13/00	145-153	E 05 C	1/04		E 05 C	33/34	7-8	A 47 J	43/28	100	B 25 B		B 25 B	9/00		
	H 02 P	9/04	148	E 05 B	39/02		E 05 B	55/06	8.5	A 41 F			B 25 B		B 66 C	1/00		
	F 03 D	9/00		E 05 B	67/00		E 05 B	3/03		A 41 H	31/00		B 66 C		B 66 C	1/00		
	H 02 P	9/04	151	E 05 B	39/02	307B	B 65 D	51/00		D 06 F	5/06	101	B 25 B		B 66 C	1/00		
			154	E 05 B	39/02	327-331	E 05 B	39/02	8.6	A 47 G	27/04		B 66 C		B 66 C	1/48		
				E 05 C	1/08	332-336	E 05 B	63/20		B 26 F	1/32		B 66 C		B 66 C	1/42		
			155	E 05 C	1/06	336.3	E 05 B	3/00	9-10	E 04 F	21/20	102.1-103.2	B 66 C		B 66 C	1/42		
			156	E 05 C	1/02	336.5	E 05 B	3/08	11	F 24 B	15/00	104	B 25 B		B 66 C	1/00		
1-13	B 60 B	39/00		E 05 C	1/08		E 05 B	3/10	12-14	F 24 B	15/00		B 66 C		B 66 C	1/48		
	B 61 C	15/00	157-161	E 05 C	1/06	337	E 05 B	9/00	15-18	B 65 G	7/12	105	A 01 D		B 25 B	87/00		
14-15	B 61 H	11/00		E 05 C	1/12	338	E 05 C	17/44		B 65 G	9/00		B 66 C		B 66 C	1/00		
16-47	B 60 B	39/00	162	E 05 C	1/04	339	E 05 C	17/54	19.2	A 63 B	47/02	106	B 25 B		B 66 C	1/42		
	B 61 C	15/10		E 05 C	1/10	340-341.19	E 05 B	15/02	19.3	A 01 K	97/14		B 66 C		B 66 C	1/00		
48	B 07 B		163	E 05 C	1/08	342	E 05 C	17/44	22-23	A 47 F	13/06	107-109	A 01 D		B 25 B	87/00		
	B 60 B	39/04	164-174	E 05 C	1/12	343-344	E 05 C	17/54	23.5	D 06 F	5/00		B 25 B		B 66 C	1/42		
			175	E 05 C	1/10	345	E 05 B	65/00	24	A 47 F	13/06		B 66 C		B 66 C	1/00		
			176	E 05 C	1/12	346	E 05 B	17/00	25-26.5	B 65 G	7/12		B 66 C		B 66 C	1/00		
			177-181	E 05 C	1/02	347	E 05 B	1/00	27.1-34	A 47 J	45/00	110.1-110.2	B 25 B		B 66 C	1/42		
			182	E 05 C	1/06	348-355	E 05 B	3/00	49	A 01 B	1/00	111	B 25 B		B 25 J	15/00		
1	E 05 C	19/00	183	E 05 C	1/02	356-357	E 05 B	15/02	50-50.5	A 01 D	9/00		B 66 C		B 66 C	1/00		
	E 05 C	21/00	184-188	E 05 C	1/08	358	E 05 B	3/00	50.6-50.9	A 01 B	11/16	112	B 25 B		B 66 C	1/00		
1.5	E 05 C	1/00	189	E 05 C	1/06		E 05 B	13/00		A 01 D	9/06		B 66 C		B 66 C	3/12		
2	E 05 C	19/00		E 05 C	1/12					A 01 B	1/20	113	B 25 B		B 66 C	1/00		
	E 05 C	21/00		E 05 C	1/04					A 01 B	1/22		B 66 C		B 66 C	1/48		
3-55	E 05 C	7/00	190-193	E 05 C	1/10					A 01 D	11/00	114	B 25 B		B 66 C	1/00		
3-6	E 05 C	9/00	194	E 05 C	3/02	1-11	B 60 R	19/00	51	A 01 B	1/20		B 66 C		B 66 C	1/00		
4	E 05 C	5/02	195-201	E 05 C	3/06	12-13	B 61 G	11/00		A 01 B	1/22	115	B 25 B		B 66 C	1/48		
5-7	E 05 C	5/00	202-212	E 05 C	3/04	14-33	B 62 D	9/02	52	A 01 D	11/00		B 66 C		B 66 C	1/00		
7	E 05 C	9/10	205	E 05 B	39/02	34-37	B 61 F	19/08	53.5	A 01 D	9/00	116	B 25 B		B 66 C	1/48		
8-24	E 05 C	9/00	208	E 05 B	67/00	38-39	B 61 F	19/06	54.5	E 01 H	5/02		B 66 C		B 66 C	1/00		
8	E 05 C	19/10	211	E 05 B	39/02	40	B 61 F	19/10	55.5	A 01 D	9/00	117	B 25 B		B 66 C	1/00		
10	E 05 C	19/06	213	E 05 C	3/02	41	B 61 F	19/06	56	A 01 B	1/00		B 25 B		B 66 C	1/42		
11	E 05 C	19/12	214-217	E 05 C	3/12	42-47	B 61 C	17/02	57-58	A 01 B	1/02	118	B 25 B		B 66 C	1/00		
13	E 05 C	19/06	218	E 05 C	3/16	48-58	B 60 R	19/00	59-60	B 25 G	1/00		B 66 C		B 66 C	1/00		
14	E 05 C	19/02	219	E 05 C	3/12	102-106	B 60 R	19/02	61	A 01 D	11/00	119	B 25 B		B 66 C	1/00		
15	E 05 C	19/04	220-227	E 05 C	3/16	107	B 60 R	19/20		A 01 K	81/04		B 66 C		B 66 C	1/00		
16-18	E 05 C	19/02	228	E 05 C	3/14	108	B 60 R	19/18	62	B 08 B	1/00	120-130	B 25 B		B 66 C	35/20		
17	E 05 C	19/06	229-230	E 05 C	3/02	109	B 60 R	19/22	63.1-64.3	F 41 B	13/10	131	B 25 B		B 25 B	29/00		
19-20	E 05 C	19/06	230	E 05 C	3/12	110	B 60 R	19/18	65	B 65 G	7/12	132-136	B 25 B		B 25 B	9/00		
21	E 05 B	65/10	231-237	E 05 C	3/06	111.1	B 60 R	19/48	66.1-67.5	A 47 J	45/00		B 25 B		B 25 B	25/00		
24-31	E 05 C	19/10	238	E 05 C	3/04	112	B 60 R	19/16	68.1-68.3	A 47 B	97/00		B 65 H		B 65 H	77/00		
25	E 05 C	9/10	239-240	E 05 C	3/12	113	B 60 R	19/54		B 66 C	1/02	137	A 45 F		A 45 F	5/00		
26	E 05 C	9/16	241	E 05 C	3/04	114	B 60 R	19/56	74-77	B 66 C	1/12	138	A 45 F		A 45 F	5/12		
27-32	E 05 C	9/00	242	E 05 C	3/14	115	B 60 R	19/52	81.1-81.62	B 66 C	1/00	139	G 03 B		G 03 B	17/56		
32	E 05 C	1/00	243	E 05 B	39/02	116-117	B 60 R	19/48	82.1-82.24	B 66 C	1/34	140	A 61 G		A 61 G	1/00		
33-35	E 05 C	9/10	244-245	E 05 B	15/00	118	B 60 R	19/38	82.25	B 64 D	17/38	141-143	A 45 F		A 45 F	5/00		
33-41	E 05 C	1/06	246	E 05 C	19/10	119	B 60 R	19/40	82.26-82.36	B 66 C	1/34	144	A 47 B		A 47 B	31/04		
	E 05 C	1/12	247	E 05 C	19/14	120-122	B 60 R	19/03	85	B 66 D	3/00	145-146	A 45 F		A 45 F	5/00		
36	E 05 C	9/16	248-250	E 05 C	19/10	123-124	B 60 R	19/02	86.1-86.34	B 66 D	3/00	147	A 63 C		A 63 C	11/02		
37-38	E 05 C	9/10	251	E 05 C	5/04	125	B 60 R	19/48	86.4-86.41	E 21 B	31/00	148-169	A 45 F		A 45 F	5/00		
39	E 05 C	9/12	251.5	E 05 C	17/56	126-128	B 60 R	19/42	86.42	B 66 C	1/42	170-171	A 45 F		A 45 F	5/10		
40-43	E 05 C	9/10	252	E 05 C	19/00	129	B 60 R	19/24	87.1-87.12	F 16 L	3/00	172	A 47 G		A 47 G	23/06		
42	E 05 C	1/04	253	E 05 B	33/30	130	B 60 R	19/56	87.22-87.24	B 66 C	1/10	173	A 47 J		A 47 J	45/10		
43	E 05 C	1/06		E 05 B	15/10	131	B 60 R	19/24	87.26	B 66 C	1/28	174-175	B 66 F		B 66 F	19/00		
	E 05 C	1/12		E 05 B	17/00	132	B 60 R	19/26	87.28	B 66 C	1/10	176-180	A 47 F		A 47 F	13/08		
44	E 05 C	3/00	254-255	E 05 B	15/00	133	B 60 R	19/34	89	B 25 B	1/44	181-182	B 66 F		B 66 F	19/00		
	E 05 C	9/00	256	E 05 B	45/00	134	B 60 R	19/32		B 25 B		183	A 47 J		A 47 J	45/00		
45-47	E 05 C	9/10	256.5	E 05 B	65/00	135	B 60 R	19/28		B 66 C	1/00	184-190	B 25 J		B 25 J	15/06		
45-53	E 05 C	3/06	25															