

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 462--Con.														
74	B 41 L	1/16		F 16 D	3/70	15	A 47 D	13/04	35-39	A 63 D	15/16	474	A 63 B	67/18
	B 41 L	1/18	73-101	F 16 D	3/00	21	A 63 G	1/22	42-43	A 63 D	15/10	475	A 63 B	67/04
76	B 41 L	3/06	102-105	F 16 D	3/04	27	A 63 G	1/08	44-48	A 63 D	15/08	476-478	A 63 B	63/00
77	B 41 L	3/10	106-108	F 16 D	3/00		A 63 G	1/10	45	A 63 D	13/00	479-489	A 63 B	63/08
78	B 41 L	3/02	109-110	F 16 D	3/16	28-29	A 63 G	1/00		A 63 F	7/24	490-491	A 63 B	61/00
79-82	B 41 L	3/04	109	F 16 D	3/30	30	A 63 G	27/08	48	A 63 F	9/00	490	A 63 B	67/18
83	B 41 L	3/00	111	F 16 D	3/26	31-32	A 63 G	1/00	49-51	A 63 D	15/12	490-491	A 63 C	19/06
84	B 41 L	1/00	112-136	F 16 D	3/00	33	A 63 G	1/28	49-57	A 63 B	67/00	491	A 63 B	67/04
	B 41 L	3/12	137-138	F 16 D	3/48	34	A 63 G	1/30		A 63 F	9/02	492-493	A 63 B	61/02
	B 41 L	5/16	139-146	F 16 D	3/00	35-36	A 63 G	1/00	52-53	A 63 B	37/00	493	A 63 B	61/04
			147-148	F 16 C	1/04	37	A 63 G	1/34	54	A 63 D	1/00	494-495	A 63 B	61/00
U.S. CLASS 463														
AMUSEMENT DEVICES:														
GAMES														
1-47	A 63 F	13/00	150-153	F 16 D	3/00	43-47	A 63 G	1/00	59-63	A 63 D	5/00	504	A 63 C	19/12
	A 63 F	9/24	154	F 16 D	3/18	48	A 63 G	31/02	64-66	A 63 D	5/08	505-515	A 63 B	59/02
	G 06 F	17/00		F 16 D	3/44		A 63 G	31/10	67-72	A 63 D	5/04		A 63 B	65/12
	G 06 F	19/00	155	F 16 D	3/26	49	A 63 G	31/00	73-100	A 63 D	5/08	516-518	A 63 B	47/02
47.1	A 63 B	67/00	156-159	F 16 D	3/18	50	A 63 G	31/04	101	A 63 D	5/04		A 63 B	49/00
	A 63 B	69/02		F 16 D	3/44	51-56	A 63 H	37/00	102-105	A 63 D	5/06		A 63 B	59/18
47.2-47.7	A 63 B	15/00	160-161	F 16 D	1/12	57-58	A 63 G	99/00	106	A 63 D	5/02	516-521	A 63 B	59/00
	A 63 B	59/00		F 16 D	3/10	57-58	A 63 G	31/00	107	A 63 D	3/02	519	A 63 B	49/04
48	A 63 F	9/00	162-169	F 16 D	3/06	57-61	A 63 J	5/02		A 63 D	5/00	521-522	A 63 B	49/00
49-57	A 63 B	67/00	162	F 16 C	3/03	59-60	A 63 G	31/16		A 63 F	7/24	521	A 63 B	59/04
	A 63 F	9/02	163-166	E 21 B	17/02	61	A 63 G	31/00	108	A 63 D	7/00	522	A 63 B	49/02
58-69	A 63 F	9/14		E 21 B	3/04	62	A 63 J	11/00	109	A 63 D	5/00		A 63 B	51/00
			167-169	F 16 C	3/03	63-66	A 63 G	31/00	110-112	A 63 D	5/02	523-527	A 63 B	59/00
			170-178	F 16 C	1/26	63	A 63 J	5/00	113	A 63 D	1/08		A 63 B	59/04
U.S. CLASS 464														
ROTARY SHAFTS,														
GUDGEONS, HOUSINGS,														
AND FLEXIBLE COUPLINGS														
FOR ROTARY SHAFTS														
1-6	F 16 D	3/10				64	A 63 J	5/04	114-115	A 63 D	1/00	523	A 63 B	49/08
7-16	F 16 C	1/24				65	A 63 J	5/02	116	A 63 D	1/02	524-526	A 63 B	49/00
	F 16 N	1/00				66	A 63 J	99/00	117	A 63 D	1/04		A 63 B	49/02
7-23	F 16 D					67	A 63 H	23/08	118-124	A 63 D	9/00	528	A 63 B	51/04
7	F 16 D	3/26				68-74	A 63 G	31/00	125	A 63 B	37/00	529-530	A 63 B	59/00
8	F 16 D	3/40					A 63 J	21/00		A 63 B	43/00		A 63 B	59/04
9-10	F 16 D	7/02				75	A 63 J	5/02	126	A 63 B	43/04	531-532	A 63 B	49/02
11	F 16 D	3/84				76	A 63 J	1/00	127	A 63 B	43/02	531	A 63 B	49/00
12-13	F 16 D	3/42				77-79	A 63 J	1/02	128-130	A 63 B	43/00	532	A 63 B	51/00
14	F 16 D	3/40				80-84	A 63 J	5/00	131-149	A 63 B	57/00	533	A 63 B	51/06
15	F 16 D	3/223				85-86	A 63 K	1/00	131-281	A 63 B	69/36	534	A 63 B	51/12
16	F 16 D	3/18				85-87	A 63 K	3/00	150-172	A 63 B	67/02	535-536	A 63 B	49/10
17	F 16 D	3/76				87	A 63 K	1/02	173-230	A 63 B	57/00	537	A 63 B	49/00
18-21	E 21 B	17/02				88-91	A 63 C	19/10	231-277	A 63 B	53/06		A 63 B	51/02
18	E 21 B	17/07					A 63 C	19/10		A 63 B	53/16	538	A 63 B	49/08
19	E 21 B	17/20				92-94	A 63 C	19/00	278-279	A 63 B	57/00	539-542	A 63 B	49/14
20-21	E 21 B	17/07				92	A 63 C	19/04	282-293	A 63 B	53/00	539-543	A 63 B	51/00
22	F 08 B						A 63 J	3/00		A 63 B	55/00	544-545	A 63 B	49/12
	F 16 C	3/02				95-102	A 63 J	3/00	294	A 63 B	53/14	544	A 63 B	49/10
	F 16 D	7/02					E 01 C	13/00	295-296	A 63 B	53/16	546	A 63 B	49/02
23	G 08 B					103-105	E 04 H	3/10	297-303	A 63 B	53/14	547	A 63 B	49/10
	F 16 D	3/80				106-115	A 63 G	13/06	304	A 63 B	53/00	548	A 63 B	49/02
24-28	F 16 D	31/00					A 63 G	17/00	305-315	A 63 B	53/02		A 63 B	49/14
	F 16 D	27/00					A 63 G	13/08	316-323	A 63 B	53/10	549-552	A 63 B	49/08
	H 02 N	13/00					A 63 G	13/00	324-350	A 63 B	53/12	553	A 63 B	49/00
30	F 16 D	7/02				116	A 63 G	21/00	351	A 63 B	37/00		A 63 B	59/04
31-33	F 16 D	9/00				117	A 63 G	21/18	352	A 63 B	37/02	554	A 63 B	49/16
34	F 16 D	7/00				118	A 63 G	9/00	353	A 63 B	39/00	555-557	A 63 B	51/14
35-36	F 16 D	7/06				119-124	A 63 G	9/16	354	A 63 B	43/00	558	A 63 B	59/10
37-39	F 16 D	7/04				125	A 63 G	9/00	355	A 63 B	43/06		A 63 B	59/16
40-48	F 16 D	7/02				126-129	A 63 G	31/00	356	A 63 B	37/08	559	A 63 B	59/00
49	F 16 D	3/54				128-129	A 63 H	23/10	357	A 63 B	37/02		A 63 B	59/18
50	F 16 D	3/08				130	A 63 G	31/16	358	A 63 B	39/00	560-563	A 63 B	59/12
51-53	F 16 C	1/00				131-134	A 63 G	31/00	356-357	A 63 B	37/06		A 63 B	59/14
	F 16 D	3/00				131	A 63 J	5/12	358	A 63 B	37/02	564	A 63 B	59/00
	F 16 D	3/12				135	A 63 G	13/00	359-360	A 63 B	39/00	565	A 63 B	59/18
54	F 16 D	3/52				136-137	A 63 G	23/00	361-377	A 63 B	37/04	566-568	A 63 B	59/00
55-56	F 16 D	3/50				137	E 04 H	3/14	367-370	A 63 B	37/08	569-570	A 63 B	37/00
57-60	F 16 C	1/00					A 63 G	33/00	371-377	A 63 B	37/04	569-571	A 63 B	39/00
	F 16 D	3/00							378-385	A 63 B	37/12		A 63 B	41/00
	F 16 D	3/12								A 63 B	37/14	569	A 63 B	65/00
61.1	F 16 D	3/00							386-409	A 63 B	57/00	570	A 63 B	43/06
	F 16 F	15/121							410	A 63 B	67/00	571	A 63 B	43/00
62.1	F 16 D	3/00							411	A 63 B	63/00	572-586	A 63 B	65/02
	F 16 F	15/121							412	A 63 B	59/00	573	A 63 B	37/12
63.1	F 16 D	3/00							413	A 63 B	37/00		A 63 B	39/06
	F 16 F	15/121							414-415	A 63 B	67/00		A 63 B	41/08
64.1	F 16 D	3/00							416-440	A 63 B	69/00	575-576	A 63 B	37/00
	F 16 F	15/121							416	A 63 B	61/00		A 63 B	43/00
65.1	F 16 D	3/00							417-421	A 63 B	63/00		A 63 B	67/10
	F 16 F	15/121							421	A 63 B	71/00	575-577	A 63 B	39/00
66.1	F 16 D	3/00							425	A 63 B	67/20		A 63 B	41/00
	F 16 F	15/121							425	A 63 B	67/20		A 63 B	65/00
67.1	F 16 D	3/00							441-445	A 63 B	69/34	587-589	A 63 B	67/14
	F 16 F	15/121							446-464	A 63 B	69/00	587	A 63 B	71/02
68.1-68.3	F 16 F	15/121							459-464	A 63 B	69/38	588-589	A 63 B	65/10
68.4-68.41	F 16 F	15/129							465-466	A 63 B	67/00		A 63 B	67/06
68.5-68.92	F 16 F	15/121							467	A 63 B	61/00	590	A 63 B	65/08
69	F 16 D	3/62								A				

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U.S. CLASS 473--Con.														
593	A 63 B	41 / 12	119-130	F 16 H	7 / 22	35-71	F 16 H	48 / 00	11	F 16 H	13 / 12	44	F 16 H	61 / 662
594-595	A 63 B	39 / 00	131	F 16 H	7 / 18	72-83	F 16 H	47 / 04		F 16 H	61 / 32	45	F 16 H	61 / 00
	A 63 B	41 / 00	132-138	F 16 H	7 / 12	84	F 16 H	48 / 20	12	F 16 H	13 / 00		F 16 H	61 / 662
594	A 63 B	37 / 10	139	F 16 H	7 / 00	85	F 16 H	48 / 26		F 16 H	35 / 00	46	F 16 H	61 / 662
	A 63 B	43 / 04	140	F 16 H	7 / 18	86	F 16 H	48 / 20	13	F 16 H	35 / 02		F 16 H	61 / 664
595	A 63 B	37 / 00	141	F 16 H	55 / 30	87	F 16 H	48 / 26	14	F 16 H	57 / 04	47-48	F 16 H	61 / 662
	A 63 B	43 / 00		F 16 H	55 / 36	88	F 16 H	48 / 30	15-17	F 16 H	15 / 02	49	F 16 H	61 / 02
	A 63 B	65 / 00	142-143	F 16 H	7 / 00	89-90	F 16 H	48 / 26	18-19	F 16 H	15 / 04		F 16 H	61 / 662
596-597	A 63 B	43 / 02	144-147	B 62 J	13 / 00	91	F 16 H	48 / 00	20	F 16 H	15 / 46	50	F 16 H	15 / 38
598	A 63 B	37 / 12		F 16 D	1 / 00	92	F 16 H	47 / 00	21	F 16 H	15 / 04		F 16 H	61 / 664
	A 63 B	37 / 14		F 16 H	57 / 02	93-110	F 16 H	48 / 00	22	F 16 H	15 / 16	51	B 60 K	17 / 08
	A 63 B	39 / 06	148-149	F 16 H	7 / 00	111	F 16 H	47 / 12	23	F 16 H	15 / 08		F 16 H	3 / 72
	A 63 B	39 / 08	150	F 16 H	7 / 24	112-113	F 16 H	47 / 08	24	F 16 H	15 / 10		F 16 H	61 / 02
599	A 63 B	41 / 08	151	F 16 H	55 / 12	114	F 16 H	13 / 06	25	F 16 H	15 / 04	52	F 16 H	61 / 38
600-602	A 63 B	37 / 00		F 16 H	55 / 36		F 16 H	13 / 10	26	F 16 H	15 / 10	53-61	F 16 H	61 / 48
600	A 63 B	37 / 12	152	F 16 H	55 / 30		F 16 H	15 / 48	27-35	F 16 H	37 / 00	62-65	F 16 H	61 / 58
603-606	A 63 B	41 / 00	153-154	F 16 H	7 / 00	115	F 16 H	15 / 50	36	F 16 H	13 / 04	66	F 16 H	61 / 52
604-606	A 63 B	39 / 00	155-157	F 16 H	7 / 06	116-148	F 16 H	31 / 00	37	F 16 H	13 / 10	67	F 16 H	61 / 64
607-608	A 63 B	37 / 12	158-160	F 16 H	55 / 12	149	F 16 H	48 / 06	38	F 16 H	15 / 26	68-69	F 16 H	61 / 40
	A 63 B	39 / 06		F 16 H	55 / 30	150	F 16 H	48 / 30	39	F 16 H	15 / 36	70-71	B 60 W	10 / 00
	A 63 B	39 / 08	161	F 16 H	55 / 06	151-152	F 16 H	37 / 06	40-46	F 16 H	15 / 38	72	B 60 K	23 / 02
	A 63 B	41 / 08	162-163	F 16 H	55 / 12	153-157	F 16 H	48 / 06	41	F 16 H	13 / 10		F 16 D	43 / 25
609-611	A 63 B	41 / 00		F 16 H	55 / 14	158	F 16 H	57 / 08	43-44	F 16 H	59 / 06		F 16 D	48 / 06
609	A 63 B	39 / 00	164-165	F 16 H	55 / 30		G 08 B	1 / 00	45	F 16 H	13 / 10	73-74	F 16 D	48 / 06
	A 63 B	39 / 02	165	F 16 H	7 / 20	159-161	F 16 H	57 / 04	47-50	F 16 H	15 / 04	75	F 16 H	61 / 02
	A 63 B	41 / 02	166	F 16 H	55 / 36	162	F 16 H	1 / 32	48	F 16 H	13 / 10	76-96	B 60 W	10 / 00
611	F 16 K	41 / 00	167	F 16 H	7 / 02	163-164	F 16 H	23 / 00	51-53	F 16 H	15 / 16	97	F 16 H	59 / 60
612-614	A 63 B	39 / 00		F 16 H	7 / 04	165-168	F 16 H	1 / 32	52-53	F 16 H	15 / 42		F 16 H	59 / 62
	A 63 B	65 / 00	168-170	F 16 H	55 / 49	169-173	F 16 H	3 / 70	54	F 16 H	15 / 08	98	F 16 H	59 / 00
613-614	A 63 B	37 / 00		F 16 H	55 / 50	174-181	F 16 H	1 / 32	55-58	F 16 H	15 / 10	99-106	F 16 H	59 / 74
	A 63 B	37 / 14	171	F 16 H	55 / 36	182	F 16 H	9 / 26	59-60	F 16 H	15 / 46	107-113	B 60 W	10 / 04
	A 63 B	41 / 00	172-173	F 16 H	7 / 18	183	F 16 H	13 / 06	61-63	F 16 H	13 / 10		B 60 W	10 / 10
	A 63 B	43 / 00	174-189	F 16 H	55 / 36	184	F 16 H	13 / 06	64	F 16 H	13 / 00	114	F 16 H	61 / 20
615	A 63 B	71 / 00	190-194	F 16 H	55 / 48		F 16 H	15 / 48	65-66	F 16 H	13 / 10	115	B 60 W	10 / 04
			195-196	F 16 H	55 / 40	185-194	F 16 H	15 / 48	67-70	F 16 H	13 / 00		B 60 W	10 / 10
			197-199	F 16 H	55 / 36	195	F 16 H	13 / 14		F 16 H	55 / 32	116-119	F 16 H	61 / 00
				F 16 H	7 / 20	196	F 16 H	13 / 08		F 16 H	57 / 00	120	F 16 H	59 / 48
				F 16 G	1 / 00	197	F 16 H	13 / 06		F 16 H	35 / 18	121-124	F 16 H	59 / 30
				F 16 G	5 / 00	198-206	F 16 H	37 / 08	71	F 16 H	55 / 32	125-126	F 16 H	61 / 16
				F 16 G	1 / 28	207-219	F 16 H	37 / 02	72-73	F 16 H	55 / 32		F 16 H	61 / 18
				F 16 G	5 / 20	220-222	F 16 H	48 / 06				127	F 16 H	61 / 26
1-7	F 16 H	59 / 00	206-209	F 16 G	13 / 02	223-224	F 16 H	48 / 20				128-129	F 16 H	61 / 10
	F 16 H	63 / 00	210-211	F 16 G	13 / 10	225-230	F 16 H	48 / 06				130-132	F 16 H	61 / 26
	F 16 H	9 / 00	212-217	F 16 G	13 / 04	231-236	F 16 H	48 / 06				133	F 16 H	59 / 20
8-10	F 16 H	55 / 56	218	F 16 G	15 / 10		F 16 H	48 / 20				134-135	F 16 H	61 / 26
9-10	F 16 H	55 / 36	219-225	F 16 G	15 / 00	237	F 16 H	48 / 06				136	F 16 H	59 / 20
11-23	F 16 H	59 / 00	219-236	F 16 G	13 / 02		F 16 H	48 / 30				137-140	F 16 H	61 / 26
	F 16 H	61 / 00	237-238	F 16 G	5 / 00	238-239	F 16 H	48 / 06				141	F 16 H	59 / 20
	F 16 H	63 / 00	237	F 16 G	1 / 00		F 16 H	48 / 22	1	B 62 D	11 / 02	142	F 16 H	61 / 26
24	F 16 H	55 / 56		F 16 G	9 / 00	240-241	F 16 H	48 / 06	2	B 60 K	5 / 08	143-148	F 16 H	61 / 00
25-27	F 16 H	9 / 12	239	F 16 G	1 / 18		F 16 H	48 / 20	3	B 60 K	1 / 02	149	F 16 H	61 / 06
25-31	F 16 H	59 / 00		F 16 G	9 / 00	242-248	F 16 H	48 / 06	4	B 60 W	10 / 08		F 16 H	61 / 08
	F 16 H	61 / 00	240-248	F 16 G	1 / 21	249	F 16 H	48 / 06	5	B 60 W	10 / 18	150-155	F 16 H	61 / 00
	F 16 H	63 / 00		F 16 G	1 / 22		F 16 H	48 / 20		B 60 W	10 / 02	156-165	F 16 H	61 / 26
29	F 16 H	9 / 18		F 16 G	5 / 16	250	F 16 H	48 / 06	6	B 60 W	10 / 08	166	B 60 W	10 / 02
30-31	F 16 H	9 / 20	249-252	F 16 G	1 / 28		F 16 H	48 / 30		B 60 W	10 / 04		B 60 W	10 / 04
32-36	F 16 H	55 / 56		F 16 G	5 / 20	251-253	F 16 H	48 / 06	7	H 02 P	1 / 00	167	B 60 K	23 / 00
	F 16 H	9 / 16	253-257	F 16 G	7 / 00	254-262	F 16 H	3 / 74		H 02 P	3 / 00		F 02 N	11 / 08
37-42	F 16 H	59 / 00	253	F 16 G	3 / 00	263-265	F 16 H	3 / 74	8	H 02 P	7 / 00	168	F 16 H	61 / 00
	F 16 H	61 / 00	254	F 16 G	3 / 10		F 16 H	35 / 10		H 02 P	15 / 00		F 16 H	61 / 14
	F 16 H	63 / 00	255-256	F 16 G	11 / 00	266	F 16 H	3 / 74	9-14	H 02 P	15 / 02	169	F 16 H	45 / 02
	F 16 H	9 / 12		F 16 G	3 / 00	267-268	F 16 H	3 / 74	15-20	H 02 P	17 / 00		F 16 H	61 / 14
43-45	F 16 H	57 / 04	257	F 16 G	3 / 08		F 16 H	33 / 08	21-23	B 60 W	10 / 08	170	B 60 W	10 / 00
43-46	F 16 H	55 / 56	258	F 16 G	3 / 10	269-270	F 16 H	3 / 44		B 60 W	10 / 18	171	F 16 D	48 / 06
47-48	F 16 H	55 / 00		F 16 G	3 / 12	271	F 16 H	3 / 44		H 02 P	15 / 00	172	B 60 T	11 / 10
49-52	F 16 H	59 / 00	259-264	F 16 G	1 / 00		F 16 H	57 / 10		H 02 P	29 / 04	173	B 60 K	26 / 00
	F 16 H	61 / 00		F 16 G	9 / 00	272-274	F 16 H	3 / 44		H 02 P	3 / 04		B 60 K	26 / 02
	F 16 H	63 / 00	259-265	F 16 G	5 / 00	275-279	F 16 H	3 / 62	24-26	H 02 P	15 / 00	174-181	B 60 W	10 / 02
49	F 16 H	9 / 02	266-268	F 16 G	1 / 04	280-303	F 16 H	3 / 44		H 02 P	3 / 04		B 60 W	10 / 04
51-52	F 16 H	55 / 54	269	F 16 G	1 / 02	304	F 16 H	3 / 68	27	B 60 W	10 / 08	182-187	B 60 W	10 / 04
52-57	F 16 H	9 / 10	270	F 16 G	1 / 04	305-328	F 16 H	3 / 44		B 60 W	10 / 18		B 60 W	10 / 18
52	F 16 H	55 / 30		F 16 G	1 / 12	329-330	F 16 H	37 / 06		H 02 P	15 / 00	188	B 60 W	10 / 04
	F 16 H	9 / 24	271	F 16 G	1 / 02	331	F 16 H	57 / 08		H 02 P	29 / 04		B 60 W	10 / 18
58-68	F 16 H	7 / 00		F 16 G	1 / 10	332	F 16 H	37 / 06		H 02 P	3 / 04		F 02 D	9 / 06
69-83	F 16 H	59 / 00	272	F 16 G	1 / 20	333	F 16 H	1 / 30	28-29	H 02 P	15 / 00	189	B 60 W	10 / 04
	F 16 H	61 / 00	273	F 16 G		334-349	F 16 H	57 / 08		H 02 P	3 / 04		B 60 W	10 / 18
	F 16 H	63 / 00		F 16 H	7 / 24				30-31	F 02 C	7 / 36	190	B 60 K	26 / 00
	F 16 H	9 / 00												