

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 57--Con.														
244	D 02 G	3 / 36	315-318	D 01 H	5 / 28	39.12	F 02 B	43 / 00	203.1	F 03 H	1 / 00	247	F 02 K	5 / 02
246-247	D 02 G	3 / 36	315	D 01 H	13 / 04		F 02 G	3 / 00		G 21 D			F 02 K	7 / 00
247	D 01 H	13 / 26		D 02 G	3 / 02	39.13	F 02 C	9 / 00		H 05 B		248	F 02 K	5 / 02
249-250	D 02 G	3 / 36	317	D 02 G	3 / 02		F 02 G	3 / 00	204	B 63 H	11 / 00	249	F 02 K	7 / 02
251	D 01 H	13 / 30	319-321	D 01 H	3 / 00	39.15	F 02 C	6 / 00		B 64 G	1 / 40	250-251	F 02 K	9 / 28
	D 02 G	3 / 00	320	A 01 H	5 / 02		F 02 G	1 / 00		B 64 G	99 / 00	252-260	F 02 K	9 / 00
252-258	D 02 G	3 / 02		D 02 G			F 02 G	3 / 00		F 02 K		262	F 02 K	1 / 38
255	D 02 G	3 / 36	322-323	D 01 H	3 / 16	39.162-39.163	F 02 C	1 / 06		F 03 H			F 02 K	1 / 46
257-258	D 02 G	3 / 36	324-325	D 01 H	3 / 12		F 02 C	3 / 10	205	F 23 R			F 02 K	3 / 02
259-260	D 02 G	3 / 00	326	D 01 H	3 / 14		F 02 C	6 / 00		C 06 D	5 / 00	263	F 02 K	3 / 10
261-265	D 01 H	13 / 26	327-328	D 01 H	13 / 26		F 02 G	1 / 00		C 06 D	5 / 06		F 02 K	3 / 12
261	D 01 H	11 / 00		D 01 H	7 / 46		F 02 G	3 / 00		F 02 K		264	F 02 K	3 / 04
	D 01 H	13 / 04		D 01 H	7 / 92	39.17	F 02 C	1 / 06		F 23 R		265	F 02 K	9 / 97
	D 02 G	15 / 00		D 02 G			F 02 C	6 / 00	206	C 06 D	5 / 00		F 02 K	
262	D 01 H	9 / 10	327	D 01 G	15 / 00	39.181-39.183	F 02 C	6 / 00		F 02 K	9 / 64	266-267	F 02 K	99 / 00
263	D 01 H	4 / 50		D 01 G	15 / 68		F 02 G	1 / 00		F 02 K		268-269	F 02 K	3 / 00
	D 02 G		328-331	D 01 H	5 / 00		F 02 G	3 / 00		F 23 R		272	F 01 N	1 / 00
264-265	D 01 H	7 / 46	328	D 01 H	1 / 115	39.19	F 02 C	1 / 00	207	C 06 D	5 / 00		F 01 N	
	D 01 H	7 / 92		D 01 H	5 / 28		F 02 G	1 / 00		F 02 K	9 / 72	273	F 01 N	
	D 01 H	9 / 10	331-349	D 01 H	7 / 46		F 02 G	3 / 00		F 02 K			F 02 B	27 / 04
264	D 02 G	3 / 02	331	D 01 H	7 / 92	39.21-39.22	F 02 C	9 / 00		F 23 R		274-277	F 01 N	3 / 00
265-269	D 01 H	9 / 00	332-349	D 01 H	13 / 26		F 02 G	3 / 00	208	C 06 D	5 / 00	278-279	F 02 M	25 / 06
265	D 01 H	11 / 00		D 01 H	1 / 24	39.23	F 02 C	7 / 057		C 10 L	1 / 04	280	F 01 N	5 / 04
266	D 02 G			D 02 G	1 / 00		F 02 C	9 / 00		F 02 K		281	F 01 N	5 / 00
268-272	D 01 H	9 / 10	350-351	D 01 H	13 / 26		F 02 G	3 / 00	209	F 23 R		282-298	F 01 N	3 / 00
269	D 02 G			D 02 G	3 / 02	39.24-39.3	F 02 C	9 / 00		C 10 L	1 / 04	299-308	F 01 N	3 / 10
273-279	D 01 H	9 / 00	352-353	D 01 H	13 / 00		F 02 G	3 / 00		F 02 K		309	F 01 N	3 / 02
273	D 01 H	9 / 14	352-361	B 65 H	57 / 00	39.34	F 02 C	3 / 14	210	C 06 D	5 / 00	310	F 01 N	3 / 04
276-278	D 01 H	9 / 14		D 01 H	1 / 00		F 02 C	5 / 02		F 02 C	3 / 30	311	F 01 N	3 / 02
276	D 01 H	5 / 28		D 01 H	1 / 42	39.35	F 02 C	3 / 14		F 02 K		312-314	F 02 B	27 / 02
279-280	D 02 G	3 / 02		D 01 H	7 / 18	39.37	F 02 C	3 / 00	211	C 06 B	43 / 00	315-316	F 02 B	35 / 00
279	D 01 H	13 / 14		D 02 G	1 / 02	39.38	F 02 C	5 / 02		C 06 D	5 / 00	317-318	F 01 N	3 / 02
	D 01 H	5 / 28		D 02 G	1 / 08	39.39	F 02 C	5 / 12		F 02 K		319	F 01 N	5 / 04
280	D 01 H	13 / 04	355-361	D 01 H	13 / 00	39.4	F 02 C	5 / 02		F 23 R		320	F 01 N	3 / 02
	D 01 H	5 / 00	362	D 02 G	3 / 02	39.41	F 02 C	7 / 00	212	C 06 D	5 / 00	321	F 01 N	3 / 02
	D 01 H	7 / 46	400-417	D 01 H	4 / 00	39.42	F 02 C	3 / 00		F 02 K	9 / 95	322-324	F 01 N	1 / 00
	D 01 H	7 / 92					F 02 C	5 / 00		F 02 K		325-329	F 16 D	31 / 00
281-291	D 01 H	13 / 26				39.43	F 02 C	3 / 04	213	C 06 C	9 / 00		F 16 D	33 / 00
281	D 01 H	9 / 00				39.44	F 02 C	3 / 00		C 06 D	5 / 00		F 16 D	37 / 00
	D 02 G						F 02 C	5 / 00		F 02 K			F 16 D	39 / 00
282-290	D 02 G	3 / 02				39.45	F 02 C	3 / 02	214-215	C 06 B	43 / 00	330-331	F 16 D	33 / 00
282	D 01 H	13 / 30					F 02 G	1 / 00		C 06 D	5 / 00	332	F 16 D	33 / 02
283	D 01 H	7 / 00	1	B 21 L	11 / 00		F 02 G	3 / 00	216	C 06 B	27 / 00	333-346	F 16 D	33 / 00
284	D 01 H	13 / 04	2	B 21 L	11 / 12	39.461-39.463	F 02 C	3 / 20		C 06 D	5 / 00	347-350	F 16 D	33 / 02
	D 01 H	5 / 00	3	B 21 L	5 / 02	39.464	F 02 C	3 / 26		C 06 D	5 / 00	351	F 16 D	33 / 14
	D 01 H	7 / 46	4	B 21 L	9 / 02	39.465	F 02 C	3 / 22		F 02 K		352-356	F 16 D	33 / 02
	D 01 H	7 / 92	5-6	B 21 L	9 / 00	39.47	F 02 C	3 / 26	217	C 06 B	43 / 00	357-360	F 16 D	33 / 06
286	D 01 H	13 / 20	7	B 21 L	9 / 06	39.48	F 02 C	3 / 30		C 06 D	5 / 00	361-367	F 16 D	33 / 00
	D 02 G	3 / 36	8	B 21 L	9 / 00		F 02 G	1 / 00		F 02 K		368	F 16 D	31 / 00
288	D 01 H	7 / 46	9	B 21 L	13 / 00		F 02 G	3 / 00		F 23 R			F 16 D	35 / 00
	D 01 H	7 / 92	10-12	B 21 L	5 / 00	39.49-39.5	F 02 C	7 / 08	218	C 06 D	5 / 04		F 16 D	37 / 00
290	D 01 H	7 / 46	13-15	B 21 L	11 / 02		F 02 G	1 / 00		F 02 K			F 16 D	39 / 00
	D 01 H	7 / 92	16-26	B 21 L	7 / 00		F 02 G	3 / 00		F 23 R		369-486	F 16 D	31 / 02
292-293	D 02 G	3 / 02	27	B 21 L	1 / 02	39.511	F 02 C	7 / 10	219	C 06 B	45 / 10	487-493	F 16 D	39 / 00
	D 02 G	3 / 36		B 21 L	11 / 02		F 02 G	1 / 00		C 06 D	5 / 00	494	F 16 D	31 / 02
292	D 01 H	13 / 30		B 21 L	9 / 04	39.512	F 02 G	1 / 055		F 02 K		495-496	F 03 B	17 / 02
293-296	D 01 H	13 / 26	28	B 21 L	1 / 04		F 02 G	1 / 057		F 23 R			F 03 C	
293	D 01 H	5 / 00	29	B 21 L	15 / 00	39.52	F 02 C	7 / 08	220	C 06 D	5 / 00	497-499	F 03 B	13 / 18
	D 01 H	7 / 46	30	B 21 L	3 / 04		F 02 G	1 / 00		C 06 D	5 / 10		F 03 C	
	D 01 H	7 / 92	31-34	B 21 L	3 / 02		F 02 G	3 / 00		F 02 K		500	F 03 B	13 / 20
294-298	D 01 H	13 / 30		B 21 L	9 / 08	39.53-39.59	F 02 C	7 / 00		F 23 R			F 03 C	
294	D 02 G		35.1	B 21 L	3 / 00		F 02 G	1 / 00	221	B 63 H	11 / 00	501-502	F 03 B	13 / 18
	H 01 B	13 / 02		B 21 L	5 / 00		F 02 G	3 / 00		B 63 H	25 / 46		F 03 C	
295-297	D 02 G	3 / 02		B 21 L	99 / 00	39.6-39.62	F 02 C	5 / 00	222	F 02 K	9 / 38	503	F 03 B	13 / 26
295-298	D 02 G	3 / 36	36-62	B 21 K	15 / 02		F 02 G	1 / 00		F 02 K			F 03 C	
299	D 01 H	1 / 38	59-61	D 06 B			F 02 G	3 / 00	224	F 02 K	3 / 00	504-507	F 03 B	13 / 18
	D 02 G		59	B 21 J	19 / 04	39.63	F 02 C	3 / 00		F 02 K	7 / 00		F 03 C	
300-307	D 01 H	11 / 00	63-64	B 21 H	7 / 12		F 02 G	1 / 00		F 02 K	9 / 00	508	F 01 B	
303-306	D 01 H	13 / 26	65	B 21 K	15 / 02		F 02 G	3 / 00		F 02 K	99 / 00		F 01 C	
303	D 01 H	1 / 38	66-69	B 21 K	15 / 04	39.64-39.76	F 02 C	5 / 00	225	F 02 K	9 / 00		F 02 B	
	D 01 H	9 / 14	70	B 21 K	15 / 00		F 02 G	1 / 00		F 02 K	99 / 00		F 02 G	1 / 04
	D 02 G		71-77	B 21 G	7 / 02		F 02 G	3 / 00	226.1-226.3	F 02 K	3 / 02	509	F 01 K	3 / 00
305	D 01 H	5 / 28	76	B 21 F	45 / 24	39.77-39.8	F 02 G	1 / 00		B 63 H	11 / 12		F 01 K	5 / 00
306	D 01 H	9 / 00		D 06 B			F 02 G	3 / 00	227	F 02 K	9 / 50		F 01 K	7 / 00
	D 01 H	9 / 14		F 16 G	13 / 00	39.81	F 02 C	9 / 00		F 02 K		510	F 02 B	3 / 00
308-309	D 01 H	13 / 26	78-83	F 16 G	13 / 06		F 02 G	1 / 00		F 02 K	1 / 00		F 02 G	1 / 00
	D 01 H	13 / 30	84-92	F 16 G	13 / 08		F 02 G	3 / 00		F 02 K	1 / 54	511	F 01 K	21 / 04
	D 01 H	5 / 28	93	F 16 G	15 / 00	39.821-39.826	F 02 C	7 / 264	229-230	F 02 K	1 / 00	512-513	F 01 B	29 / 00
308-310	D 02 G	3 / 02	95	F 16 G	13 / 10		F 02 G	1 / 055	231	F 02 K	1 / 00	514	F 01 K	21 / 02
309	D 02 G	3 / 36					F 02 G	3 / 00		F 02 K	1 / 28		F 01 K	
	D 07 B	1 / 06				39.827	F 02 C	7 / 266	232	F 02 K	1 / 00	515	F 01 K	7 / 00
310														

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 60--Con.																	
547.1-547.3	B 60 T	13/00	658	F 01 K	7/24		F 02 G	3/00	59	F 25 D	3/00	215	F 25 B	1/00			
548	B 60 T	13/12	659	F 01 K	1/00	725	F 02 C	7/24	60	B 65 B	63/08	216-225	F 25 B	41/04			
549-559	B 60 T	13/20		F 01 K	3/00	726-734	F 02 C	1/00	61	B 60 H	1/32	226-230	F 25 B	1/00			
560	F 15 B	7/00	660	F 01 K	13/02		F 02 G	3/00	62	F 25 D	25/00		F 25 B	49/00			
561	B 60 T	11/06	661	F 01 K	9/00	735	F 02 C	3/16	63	F 25 D	13/06	231	F 25 B	19/00			
	B 60 T	11/24	662	F 01 K	7/06	736	F 02 C	7/08	64	F 25 D	17/02	232	F 25 B	17/00			
562	B 60 T	11/20	663	F 01 K	7/22	737	F 02 C	1/00	65	F 25 D	13/04	233	F 25 C	1/00			
563	B 60 T	13/58	664	F 01 K	11/00		F 02 G	3/00	66	F 25 C	1/00	234	F 25 D	21/00			
564	B 60 T	11/34	665	F 01 K	13/02	738	F 02 C	7/08	67-70	F 25 C	1/18	235	A 63 C	19/10			
565-566	B 60 T	17/00		F 22 D		739-760	F 02 C	1/00	71	F 25 C	5/02	235.1-236	F 25 B	27/00			
567-568	B 60 T	7/00	666	F 01 K	7/42		F 02 G	3/00	72	F 25 C	5/06	237	F 25 D	15/00			
569	B 60 T	17/16	667	F 01 K	7/40	761	F 02 K	3/10	73	F 25 C	5/08	238.1-238.7	F 25 B	27/00			
570-571	F 15 B	7/00		F 22 D		762	F 02 K	3/105	74-75	F 25 C	1/00	239	B 60 H	1/32			
572-573	F 15 B	7/10	668	F 01 K	15/00	763-766	F 02 K	3/10	76	F 25 C	1/24	240	B 63 B	25/26			
574-578	B 60 T	11/08	669	F 01 K	11/00	767-769	F 02 K	7/08	77	F 25 B	45/00	241-244	B 60 H	1/32			
	F 15 B	7/04	670	F 01 K	23/06		F 02 K	7/10	78	F 24 F	3/16	245	B 60 P	3/20			
579	F 15 B	3/00		F 01 K		770-771	F 02 K	1/00	79	F 25 B	7/00	246-257	A 47 F	3/04			
	F 15 B	7/08	671	F 01 K	25/00	772	F 02 C	1/00	80	F 25 D	21/00	258-263	F 25 D	23/12			
580	B 60 T	11/24	672	F 01 K	25/10	773	F 02 C	9/00	81	F 25 B	41/00	264	F 25 D	23/00			
	F 15 B	7/00	673	F 01 K	25/06	774	F 02 C	6/00	82	F 25 D	21/12	265-266	F 25 D	23/02			
581	F 15 B	7/00	674	F 01 K	21/04	775	F 02 C	3/30	83	F 25 B	43/00	267	F 25 D	29/00			
582	B 60 T	11/32	675	F 01 K	7/00	776-778	F 02 C	7/22	84	F 25 B	43/02	268-270	F 25 B	19/00			
	B 60 T	17/18	676	F 01 K	13/00		F 02 C	7/26	85	F 25 B	47/00	271	F 25 D	23/00			
583	F 15 B	7/00	677	F 01 K	13/00	779	F 02 C	7/00	86-88	F 25 B	9/00	272	F 25 D	21/00			
584	B 60 T	11/30		F 01 K	17/00		F 02 C	9/46	89-97	F 25 D	17/06	273-274	F 25 D	23/06			
	F 15 B	7/10	678	F 01 K	7/34	780-781	F 02 C	6/18	98-99	F 25 D	17/02	275-276	F 25 D	21/06			
585-588	B 60 T	11/26	679-680	F 01 K	7/22	782	F 02 C	6/08	100	F 25 B	19/00	277-280	F 25 B	47/00			
	F 15 B	7/08	681	F 01 K	19/00	783	F 02 C	7/00	101-105	F 25 B	15/00	281	F 25 D	21/14			
589	B 60 T	11/28	682-684	F 01 K	25/02	784-785	F 02 C	6/04	106	F 25 B	17/00	282	F 25 D	21/10			
	F 15 B	7/08		F 02 C	1/04	786	F 02 C	7/26	107-108	F 25 B	15/00	283	F 25 B	5/00			
590	F 16 D	65/74	685	F 01 B	31/16	787	F 02 C	7/268	109	F 25 B	15/16	284	F 25 D	21/06			
591	F 15 B	7/00		F 01 K	17/00	788	F 02 C	7/275	110-111	F 25 B	15/10	285-291	F 25 D	21/14			
592	F 15 B	7/10		F 01 K	9/00	789	F 02 C	7/272	112	F 25 B	15/00	292	F 25 B	45/00			
593	F 15 B	15/18		F 28 B		790	F 02 C	7/22	113	F 25 B	41/00	293	F 25 D	3/00			
594	B 60 T	7/02	686	F 01 K	17/00		F 02 C	7/26	114	C 09 K	5/04	294	F 25 D	3/10			
	F 15 B	7/08		F 22 D	5/00		F 02 C	9/26		F 25 B		295-299	F 25 D	19/00			
595	F 02 B	71/04		F 28 B	11/00	791-792	F 02 C	3/10	115-116	F 25 B	1/00	300-301	F 25 C	1/24			
596	F 02 B	71/02	687	C 09 B			F 02 C	6/00	117	F 25 B	5/00	302	F 25 D	23/00			
597	B 60 K	6/20		F 01 B	31/06	793-795	F 02 C	9/00	118	F 25 D	17/02	303	A 23 L	3/36			
598	F 02 B	33/44		F 01 K	11/02	796-800	F 02 C	7/20	119	F 25 D	15/00		F 28 G				
599	F 02 B	29/04		F 28 B		801-803	F 02 C	6/00	120	F 25 D	13/04	304-305	F 28 D	5/00			
600-603	F 02 D	23/00	688	F 01 K	19/10	804	F 02 C	3/06	121	F 28 C	1/00	306	B 01 F	3/04			
604	F 01 K	23/06		F 28 B	3/00		F 02 C	3/14	122	F 25 B	41/00	307-308	F 25 C	1/18			
	F 01 K	23/14	689	F 01 D	5/08	805	F 02 C	3/04	123-124	B 01 D	9/04	309	F 25 D	17/04			
	F 02 B	37/16		F 01 K		806	F 02 C	7/12		C 02 F	1/22	310-311	F 28 D	5/00			
	F 02 G		690	F 01 K	17/00	900	F 02 D		125-127	F 25 B	49/00	312-313	F 25 D	3/02			
605.1-612	F 02 B	33/44		F 01 K	9/00	901	F 01 C		128	F 25 D	21/02	314	F 28 D	5/00			
613-617	F 02 G	3/00		F 02 B	1/00	905	B 65 H		129-130	G 01 K	13/00	315	F 28 C	1/00			
618	F 01 K	23/10	691	F 01 K	7/34	906	F 02 B		131-132	F 25 B	49/00	316	F 28 D	5/00			
619-624	F 02 G	3/00		F 22 D	1/00		F 02 D		133-134	B 60 H	1/32	317	F 25 D	17/04			
625-631	F 02 N	9/00	692	F 01 K	9/02		F 02 G		135	F 25 C	1/00	318	F 25 D	3/02			
632-638	F 01 B	29/08		F 22 D	11/02		F 02 K		136	A 23 G	9/00	319	F 25 D	17/02			
	F 02 N	13/00		F 22 D	5/18	907	F 15 B		137-139	F 25 C	1/00	320	F 25 C	5/02			
639	F 03 B	7/00	693	F 28 B	7/00	908	B 05 C		140	F 25 D	21/02	321	F 25 C	5/00			
	F 03 G	3/04	694	F 01 B	31/16		D 06 F		141	F 25 B	15/00	322	F 25 B	25/00			
640	F 03 B	17/06		F 01 B	31/30		F 02 K		142-147	F 25 B	17/00	323.1-323.4	F 25 B	27/00			
641.1	F 01 K	27/00	695	F 01 B	31/00	909			148	F 25 B	15/00	324.1-324.6	F 25 B	13/00			
	F 03 G	7/00	696	F 01 B	31/00				149	F 25 B	45/00	325	F 25 B	29/00			
641.11-641.15	F 03 G	6/00		F 01 D	25/30				150	F 25 D	21/00	326	F 25 B	27/00			
	F 03 G	7/00	697	F 01 D	25/30				151-156	F 25 D	21/06	327-328	B 60 H	1/32			
641.2-641.4	F 03 G	7/00	698	F 01 B	21/04	1	F 25 C		157-158	G 05 D	23/32	329	F 25 D	23/00			
641.5	F 01 K	27/00		F 01 K	23/00	3.1	F 25 D	3/08	159	F 25 B	29/00	330	F 25 D	13/00			
	F 03 G	7/00		F 02 B	73/00	3.2-3.7	F 25 B	21/00	160	F 25 B	13/00	331	F 25 D	15/00			
641.6-641.7	F 03 G	7/04	699	F 01 B	21/04	4	F 25 D	5/00	161-164	F 25 D	29/00		F 25 D	23/12			
	F 03 G	7/06	700-702	F 01 B	21/04	5	F 25 B	9/02	165-168	F 25 D	3/12	332	F 25 B	25/00			
641.8	B 60 K	16/00		F 02 D	25/02	6	F 25 B	9/00	169	F 25 B	19/00	333	F 25 D	17/00			
	B 60 L	8/00	703-706	F 01 B	21/04	7	F 25 B	19/00	170	F 25 B	19/02	334	F 25 D	11/02			
	F 03 G	6/00		F 02 B	25/00	45.1	F 17 C	3/08	171	F 28 D	3/00	335	F 25 B	7/00			
641.9	F 03 G	6/00		F 02 B	73/00		F 17 C		172	F 28 B	9/00	336	F 25 D	25/00			
642	F 01 K	1/04	707	F 01 B	21/04		F 17 C		173	F 25 B	29/00	337-339	F 25 D	23/12			
643	F 01 K	27/00		F 02 B	73/00	46.1-46.3	F 17 C	11/00	174	F 25 B	41/00	340	F 25 C	1/22			
	F 01 K		708	F 02 D	25/00	47.1	F 17 C	5/02	175	F 25 B	7/00		F 25 C				