

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 15--Con.																	
209.1-210.1	A 47 L	23/04		B 44 D	5/00	313-315	A 47 L	15/00	2.5	H 01 R	13/00				E 05 D		15/00
	A 47 L	25/00	231	A 47 L	13/46		A 47 L	5/38	4-11	A 47 G	27/04	95R-95W	A 47 H		A 47 H		1/04
	B 43 L	21/00	232-233	A 47 L	1/06		B 60 S	1/54	12-15	A 47 G	27/06		A 47 H		A 47 H		15/00
210.5-219	A 47 K	7/02	234-235	A 47 L	13/38		B 60 S	1/64	16-17.1	A 47 G	27/04		E 05 D		E 05 D		15/00
	A 47 L	1/06	235.3	E 04 G	21/20	316.1	A 47 L	15/00	18A-18B	B 60 B	33/00	96D	A 47 H		A 47 H		1/04
	A 47 L	13/10	235.4-235.8	B 05 C	17/10		A 47 L	5/38	18CG	B 60 B	33/00		A 47 H		A 47 H		15/00
	A 47 L	17/08		E 01 C	19/12		D 06 G	1/00	18R	A 47 L	9/00	96L	E 05 D		E 05 D		15/00
	A 47 L	23/04	236.01-241	A 47 L	13/02		F 23 J	3/02		B 60 B	33/00	96R	B 61 D		B 61 D		19/00
	A 47 L	25/00		A 47 L	17/06	317-318	A 47 L	15/00		B 60 B	33/04		E 05 D		E 05 D		15/06
	B 43 L	21/00		A 47 L	23/22		A 47 L	5/38	19	B 60 B	33/04		E 06 B		E 06 B		3/46
220.1-220.2	A 47 L	1/00		B 05 C	17/10		F 23 J	3/02	20-23	B 60 B	33/00	97-107	A 47 H		A 47 H		15/00
220.3	A 47 L	1/15	244.1-244.3	A 47 K	7/02	318.1	A 47 L	15/00	24-28	B 60 B	33/08		E 05 D		E 05 D		15/06
	A 47 L	4/00		A 47 L	13/46		A 47 L	5/38	29-31	B 60 B	33/00		E 05 D		E 05 D		15/16
220.4	A 47 L	25/00		B 43 L	21/00		D 06 G	1/00	31R	A 45 C	5/14	108-109	F 16 L		F 16 L		11/10
	F 01 M	11/12	244.4	A 47 K	7/02		F 23 J	3/02		B 60 B	33/00		F 16 L		F 16 L		57/00
221-228	A 47 K	7/02		A 47 L	13/16	319	A 47 L	5/00		B 60 B	33/02	110.1-114.1	A 47 B		A 47 B		95/02
	A 47 L	1/06		B 43 L	21/00	320-322	A 47 L	7/00	32-34	B 60 B	33/06		A 47 J		A 47 J		45/00
	A 47 L	13/10	245	A 47 L	1/06	323-338	A 47 L	5/00			33/00		B 65 D		B 65 D		25/28
	A 47 L	17/08	245.1	B 05 C	17/10		A 47 L	9/00	40	B 60 B	37/00		E 05 B		E 05 B		1/00
	A 47 L	23/04		B 05 C		339	A 47 L	5/00	41	B 60 B	33/00		E 05 B		E 05 B		7/00
	A 47 L	25/00	246	A 47 L	1/00		A 47 L	7/00	42R	A 47 B	91/04	193-219	E 05 D		E 05 D		13/00
	B 43 L	21/00		B 60 S	1/00		A 47 L	9/00		A 47 B	91/06		E 05 F		E 05 F		1/00
229.1	A 47 K	7/02	246.2-246.4	A 47 L	5/00	340.1-340.4	B 08 B	5/00	42T	B 60 B	33/00	220	E 05 F		E 05 F		3/00
	A 47 L	1/06		A 47 L	7/00		A 47 L	5/00	43-48	A 47 B	91/06	221	E 06 B		E 06 B		3/58
	A 47 L	13/20		A 47 L	9/00		E 01 H	1/08		A 47 B	91/00		E 05 D		E 05 D		7/00
	A 47 L	17/00	246.5	F 22 B	37/48	341-343	A 47 L	5/02	48.5	B 60 B	33/00	222-223	E 05 D		E 05 D		11/00
229.11-229.13	A 47 L	13/10	247	A 46 B	17/04		A 47 L	5/08	49	E 05 F	15/20	224	E 05 D		E 05 D		7/00
	A 47 L	17/08		A 47 L	13/44	344	A 47 L	5/24	50	E 05 F	3/00	225-227	E 05 D		E 05 D		1/00
229.14	A 45 D	33/34	248.1-248.2	A 46 B	17/00	345-346	A 47 L	5/14	51	E 05 F	3/20	228	G 02 C		G 02 C		5/22
	A 45 D		249.1-249.3	F 23 J	3/00	347-353	A 47 L	9/10	52-53	E 05 F	3/10	229	E 05 D		E 05 D		7/10
229.2-229.4	A 47 K	7/02	250.001	A 47 L	1/00	354-361	A 47 L	5/34	54-55	E 05 F	3/20	230-232	E 05 D		E 05 D		15/50
	A 47 L	1/06		B 08 B		362	A 47 L	5/00	56	E 05 F	3/22	233-234	E 05 D		E 05 D		7/00
	A 47 L	13/20		B 60 S	1/02	363-382	A 47 L	5/00	57-58	E 05 F	3/14	235-238	E 05 D		E 05 D		7/04
	A 47 L	17/00	250.002	A 47 L	1/00		A 47 L	9/04	59-65	E 05 F	3/00	239-241	E 05 D		E 05 D		7/06
	A 47 K	7/02		B 08 B		383-392	A 47 L	9/06	66-67	E 05 F	3/00	242-249	E 05 D		E 05 D		7/04
	A 47 L	1/06		B 60 S	1/02		A 47 L	5/10	68	E 05 F	3/20	250-251	E 05 D		E 05 D		11/00
	A 47 L	13/252		B 60 S	1/60	393-403	A 47 L	5/00	69-70	E 05 F	3/00	252-253	E 05 D		E 05 D		5/02
	A 47 L	17/00	250.003	A 47 L	1/00		A 47 L	5/00	71	E 05 F	1/00	254-258	E 05 D		E 05 D		7/10
229.6-229.8	A 47 K	7/02		B 08 B		404-405	A 47 L	5/00	72	E 05 F	1/08	259-267	E 05 D		E 05 D		7/10
	A 47 L	1/06		B 60 R	1/06	406	A 47 L	5/00	73-80	E 05 F	1/08	268-269	E 05 D		E 05 D		1/06
	A 47 L	13/20		B 60 S	1/02		B 08 B	9/02	81	E 05 F	1/10	270-272	E 05 D		E 05 D		7/12
	A 47 L	17/00	250.01-250.48	A 47 L	1/00		F 23 J		82	E 05 F	5/02	273	E 05 D		E 05 D		11/00
	A 47 K	7/02		B 60 S	1/02	407	A 47 L	5/00	83	E 05 F	5/04	274	E 05 D		E 05 D		11/02
	A 47 L	1/06		B 60 S	1/28	410-411	A 47 L	9/00	84	E 05 F	3/00	275-276	E 05 D		E 05 D		11/04
	A 47 L	13/252	256.5-256.6	A 46 B	15/00	412	A 47 L	11/00	85	E 05 F	5/06	277-279	E 05 F		E 05 F		1/08
	A 47 L	17/00		B 21 B	45/02		B 02 C	18/34	86A-86B	E 05 F	5/02	280-285	E 05 F		E 05 F		1/14
230	A 47 L			B 60 S	1/28	408	A 47 L	5/00	86C	E 05 C	17/22	286-308	E 05 F		E 05 F		1/08
	B 05 C	1/00	257.01	A 46 B	17/00		A 47 L	5/46	87	E 05 F	1/00	309-318	E 05 F		E 05 F		1/02
	B 05 C	17/02		A 47 G	29/08		F 23 J		88	E 05 F	5/04	319-336	E 05 D		E 05 D		11/10
	B 24 D	13/14		A 47 L	23/14	409	A 47 L	5/16	89	E 05 F	3/00	337-342	E 05 C		E 05 C		17/64
	B 44 D	5/00		A 47 L	25/00	410-411	A 47 L	9/00	86R	E 05 F	5/10		E 05 D		E 05 D		11/08
230.1	A 47 L		257.05-257.06	A 47 L	13/56	412	A 47 L	13/00	85	E 05 F	5/06	343-344	E 05 D		E 05 D		11/10
	B 05 C	1/00		B 44 D	3/12		A 47 L	9/22	86A-86B	E 05 F	5/02	345	E 05 D		E 05 D		15/30
	B 05 C	17/02		B 43 L	25/00		A 47 L	9/28	86C	E 05 C	17/22	346-353	E 05 D		E 05 D		11/10
	B 24 D	13/18		B 43 L	25/04	413	A 63 B	47/04	86R	E 05 F	5/02	354	E 05 D		E 05 D		7/00
230.11	A 47 L		257.07	B 43 L	25/00		A 63 D	5/10		E 05 F	5/00	355-356	E 05 D		E 05 D		1/04
	B 05 C	1/00	257.073-257.076	A 47 L	13/52		A 47 L	11/00		E 05 F	5/02	357-360	E 05 D		E 05 D		11/06
	B 05 C	17/02		A 47 L	13/28		A 47 L	13/00	86.1	E 05 D	13/00	361	E 05 D		E 05 D		15/06
	B 44 D	5/00	258-259	A 47 L	23/28		A 63 B	47/04	87	E 05 D	15/00	362-363	E 05 D		E 05 D		15/06
230.12-230.13	A 47 L		260-263	A 47 L	13/14	414-422.2	A 47 L	9/02	87B	E 05 D	15/58	364	E 05 D		E 05 D		15/06
	B 05 C	1/00		A 47 L	13/58	423	B 43 K	13/00	87R	B 61 D	19/00	365	E 05 D		E 05 D		7/00
	B 05 C	17/02	264	A 47 J	47/18		A 47 L	17/00		E 05 D	15/06	366	E 05 D		E 05 D		3/06
	B 24 D	13/08		A 47 L	13/50	424-426	B 43 L	19/00	87.4R	E 05 D	15/06	367	E 05 D		E 05 D		3/10
	B 44 D	5/00		A 47 L	17/00	427-432	B 43 K	29/02		E 05 D	15/26	368-369	E 05 D		E 05 D		15/00
230.14	A 47 L		265-267	A 47 L	23/16		A 47 L	23/18		E 05 D	15/26	370	E 05 D		E 05 D		15/32
	B 05 C	1/00		A 47 L	23/18	433-434	B 43 L	19/00	87.2	E 05 D	15/00	371	E 05 D		E 05 D		11/06
	B 05 C	17/02	268	A 46 B	17/02	435	B 43 K	3/00	87.4R	A 47 H	13/00	372	E 05 D		E 05 D		5/00
	B 24 D	13/04		A 47 L	13/54	436	B 43 K	3/04		A 47 H	15/00	373	E 05 D		E 05 D		7/00
	B 44 D	5/00		A 47 L	21/06	437-444	B 43 K	3/00		E 05 D	15/06	374-377	E 05 D		E 05 D		11/06
230.15	A 47 L			B 08 B	9/20	445-446	B 43 K	1/00		E 05 D	15/16	378-379	E 05 D		E 05 D		7/08
	B 05 C	1/00															

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 16--Con.														
405-406	A 45 C	13/26	426	E 05 B	1/00		A 45 F	5/10		D 01 G	37/00	235	D 01 G	19/16
	A 45 C	3/00		A 45 C	13/22		A 47 J	45/00		D 06 F	58/00	236	D 01 H	5/00
	A 45 C	7/00		A 45 C	13/26		B 62 B		.3-.64	D 01 G	1/00	237-241	D 01 H	5/32
	A 45 F	5/10		A 45 C	3/00		B 62 D	51/00		D 01 G	37/00	242-243	D 01 H	5/00
	A 47 J	45/00		A 45 C	7/00	438	E 05 B	1/00	1	D 01 B	1/00	244	D 01 H	5/86
	B 62 B			A 45 F	5/10		A 45 C	13/22	2	D 01 B	3/00	245	D 01 H	5/60
407	E 05 B	1/00		A 47 J	45/00		A 45 C	13/26	3	D 01 B	7/00		D 01 H	5/86
	A 45 C	13/22		B 25 G	1/00		A 45 C	3/00	4	D 01 B	3/00	246-256	D 01 H	5/86
	A 45 C	13/26		B 62 B			A 45 C	7/00	5A	D 01 B	1/14	257	D 01 H	5/00
	A 45 C	3/00		E 05 B	1/00		A 45 F	5/10		D 01 B	1/32	258-261	D 01 H	5/74
	A 45 C	7/00	427	A 45 C	13/22		A 47 J	45/00		D 01 B	9/00	262-265	D 01 H	5/60
	A 45 F	5/10		A 45 C	13/26		B 62 B		5R	D 01 B	1/10	266-268	D 01 H	5/46
	A 47 J	45/00		A 45 C	3/00		E 05 B	1/00		D 01 B	1/14	269	D 01 H	5/48
	B 62 B			A 45 C	7/00	439	A 45 C	13/22		D 01 B	9/00	270-271	D 01 H	5/46
	B 65 D	75/56		A 45 F	5/10		A 45 C	13/26	6	D 01 B	1/10	272	D 01 H	5/52
	E 05 B	1/00		A 47 J	45/00		A 45 C	3/00	7	D 01 B	1/10		D 01 H	5/54
408-414	A 45 C	13/22		B 25 G	1/04		A 45 C	7/00		D 01 B	3/04	273-274	D 01 H	5/46
	A 45 C	13/26		B 62 B			A 45 F	5/10	8-32	D 01 B	1/10	275-276	D 01 H	5/48
	A 45 C	3/00		E 05 B	1/00		A 47 B	95/02	33	D 01 B	1/28	277	D 01 H	5/50
	A 45 C	7/00	428	A 45 C	13/22		A 47 J	45/00	34-38	D 01 B	1/10	278	D 01 H	5/46
	A 45 F	5/10		A 45 C	13/26		B 62 B		39	D 01 B	1/04	279-282	D 01 H	5/50
	A 47 J	45/00		A 45 C	3/00		E 05 B	1/00		D 01 B	1/10	283	D 01 H	5/48
	B 62 B			A 45 C	7/00	440	A 45 C	13/22	40-42	D 01 B	1/04	284-285	D 01 H	5/46
	E 05 B	1/00		A 45 F	5/10		A 45 C	13/26	43-47	D 01 B	1/06	286-292	D 01 H	5/72
415-416	A 45 C	13/22		A 47 J	45/00		A 45 C	3/00	48A	D 01 B	1/04		D 01 H	5/74
	A 45 C	13/26		B 62 B			A 45 C	7/00	48R	D 01 B	1/04	293	D 01 H	5/18
	A 45 C	3/00		E 05 B	1/00		A 45 F	5/10		D 01 B	1/06	294-295	D 01 H	5/56
	A 45 C	7/00	429	A 45 C	13/22		A 47 J	45/00		D 01 B	1/08	296-308	D 01 G	25/00
	A 45 F	5/10		A 45 C	13/26		A 63 C	17/01	49-54	D 01 B	1/06		D 01 G	27/00
	A 47 B	95/02		A 45 C	3/00		B 62 B				1/08			
	A 47 J	45/00		A 45 C	7/00		E 05 B	1/00	64.5	D 01 B	1/04			
	B 62 B			A 45 F	5/10	441	A 45 C	13/22		D 01 B	1/32			
	E 05 B	1/00		A 47 J	45/00		A 45 C	13/26	65A	D 01 G	21/00			
417	A 45 C	13/22		A 25 G	1/04		A 45 C	3/00	65CR	D 01 B	1/22			
	A 45 C	13/26		B 62 B			A 45 C	7/00		D 01 G	15/96	293A	B 01 J	35/10
	A 45 C	3/00		E 05 B	1/00		A 45 F	5/10		B 68 G	3/00		C 01 F	7/02
	A 45 C	7/00	430-431	A 45 C	13/22		A 47 J	45/00	65R	D 01 G	5/00		C 04 B	35/626
	A 45 F	5/10		A 45 C	13/26		B 62 B			D 01 G	9/00	293R	B 01 J	
	A 47 J	45/00		A 45 C	3/00		E 05 B	1/00	65T	D 01 B	1/24		C 01 B	15/013
	B 62 B			A 45 C	7/00		G 05 G	1/06	66CC	D 01 B	9/00		C 01 B	25/02
	E 05 B	1/00		A 45 F	5/10	442	A 45 C	13/22		D 01 G	37/00	293S	C 09 C	1/56
418-420	A 45 C	13/22		A 47 J	45/00		A 45 C	13/26	66R	D 01 G	29/00		B 01 J	6/00
	A 45 C	13/26		B 25 G	1/10		A 45 C	3/00		D 01 G	37/00		C 01 B	17/02
	A 45 C	3/00		B 62 B			A 45 C	7/00		D 01 H	13/30		C 01 B	17/027
	A 45 C	7/00		E 05 B	1/00		A 45 F	5/10	66T	D 01 B	1/24	294R	B 01 D	7/00
	A 45 F	5/10		A 45 C	13/22		A 47 H	11/04	66.1	D 01 G	37/00		B 01 D	7/02
	A 47 B	95/02	432	A 45 C	13/26		A 47 J	45/00		D 02 G	1/00	294S	C 01 B	17/02
	A 47 J	45/00		A 45 C	3/00		B 62 B			D 04 G	1/06		C 01 B	17/027
	B 62 B			A 45 C	7/00		E 05 B	1/00	66.2	D 02 G	1/14	295G	B 01 J	13/00
	E 05 B	1/00		A 45 F	5/10	443	A 45 C	13/22	80A	D 01 B	1/00	295R	B 01 D	9/00
421	A 45 C	13/22		A 47 J	45/00		A 45 C	13/26	80R	D 01 B	1/00		C 13 K	1/10
	A 45 C	13/26		B 62 B			A 45 C	3/00		D 01 G	7/00	295S	B 01 D	9/00
	A 45 C	3/00		E 05 B	1/00		A 45 C	7/00		D 01 G	9/00		C 01 D	3/06
	A 45 C	7/00		F 16 K	31/60		A 45 F	5/10	81-97.5	D 01 B	1/00		C 01 D	5/00
	A 45 F	5/10	433	A 45 C	13/22		A 47 B	95/02	98	D 01 G	15/00	296-297	B 01 D	9/00
	A 47 J	45/00		A 45 C	13/26		A 47 J	45/00	99-104	D 01 G	15/02	298	B 01 D	9/00
	B 25 G	1/10		A 45 C	3/00		B 62 B		105	D 01 G	15/40		C 13 K	1/10
	B 62 B			A 45 C	7/00		E 05 B	1/00	106A	D 01 G	15/48	299	B 01 D	11/00
	E 05 B	1/00		A 45 F	5/10	444	A 45 C	13/22	106R	D 01 G	15/36		B 01 D	9/00
422	A 45 C	13/22		A 47 J	45/00		A 45 C	13/26		D 01 G	15/46	300	B 01 D	9/00
	A 45 C	13/26		A 47 J	45/07		A 45 C	3/00		D 01 G	31/00		C 30 B	
	A 45 C	3/00		B 62 B			A 45 C	7/00	107-111	D 01 G	15/76	301	C 30 B	17/00
	A 45 C	7/00		E 05 B	1/00		A 45 F	5/10	112-113	D 01 G	15/12	302A	B 01 D	9/00
	A 45 F	5/10		A 45 C	13/22		A 47 J	45/00	114	D 01 G	15/84		C 01 B	11/18
	A 47 J	45/00	434	A 45 C	13/26		B 62 B		115A	D 01 G	19/00		C 01 C	1/24
	B 25 G	3/32		A 45 C	3/00		E 05 B	1/00		D 01 G	19/18	302R	C 01 D	1/30
	B 62 B			A 45 C	7/00		H 01 M	2/10	115B	D 01 G	19/00		C 01 D	3/24
	E 05 B	1/00		A 45 F	5/10		A 45 C	13/22		D 01 G	19/22		C 01 D	7/24
423	A 45 C	13/22		A 47 J	45/00	445	A 45 C	13/26	115R-129A	D 01 G	19/00		C 01 D	7/40
	A 45 C	13/26		A 47 J	45/06		A 45 C	3/00	129R	D 01 H	5/04	302T	C 01 D	5/00
	A 45 C	3/00		B 62 B			A 45 C	7/00		D 01 H	5/06		C 01 D	7/12
	A 45 C	7/00		E 05 B	1/00		A 45 F	5/10		D 01 H	5/14		C 01 D	7/24
	A 45 F	5/10	435	A 45 C	13/22		A 47 J	45/00	144	D 01 G	13/00	303	C 01 D	1/30
	A 47 J	45/00		A 45 C	13/26		B 62 B			D 01 G	25/00		C 01 D	3/00
	B 62 B			A 45 C	3/00		E 05 B	1/00		D 01 G	27/00	304	C 01 F	11/44
	E 05 B	1/00		A 45 C	7/00	446	A 45 C	13/22	145-145.7	D 01 G	13/00		C 01 F	5/34
	H 01 M	2/10		A 45 F	5/10		A 45 C	13/26	148-153	D 01 G	25/00	305A	C 01 F	7/02
424	A 45 C	13/22		A 47 J	45/00		A 45 C	3/00		D 01 G	27/00		C 01 F	7/14
	A 45 C	13/26		A 47 J	45/10		A 45 C	7/00	157-160	D 04 H	11/00		C 01 F	7/47
	A 45 C	3/00		B 62 B			A 45 F	5/10	161.1-163	D 01 G	25/00	305F	B 01 D	9/00
	A 45 C	7/00		E 05 B	1/00		A 47 J	45/00		D 04 H			C 01 G	49/14
	A 45 F	5/10	436	A 45 C	13/22		A 47 J	45/06	200	D 01 B	3/00		C 23 G	1/36
	A 47 J	45/00		A 45 C	13/26		B 62 B			D 02 J	7/00	305R	C 01 F	7/34
	A 61 G	17/04		A 45 C	3/00		E 05 B	1/00	201-205	D 01 B	3/00		C 22 B	13/00
	B 62 B			A 45 C	7/00				215	D 01 G	19/00	305RE	C 09 K	11/77
	E 05 B	1/00		A 45 F	5/10				216-217	D 01 G	19/02		G 21 K	4/00
425	A 45 C	13/22		A 47 J	45/00				218	D 01 G	19/22	306	B 01 D	1/00
	A 45 C	13/26												