

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 141--Con.																	
U.S. CLASS 141																	
FLUENT MATERIAL																	
HANDLING, WITH RECEIVER																	
OR RECEIVER COATING																	
MEANS																	
250-284	B 67 C	3/26	24.06	B 27 M	3/34	218-221	B 27 C	1/00				317	C 23 C	8/24			
	B 67 C	3/34	24.07	B 27 M	3/30		B 27 G	13/00					C 23 C	8/30			
285-296	B 65 B	1/04	24.08-24.09	B 27 M	3/22	218-241	B 27 C	5/00	U.S. CLASS 147			318	C 23 C	8/26			
	B 65 B	3/04	24.1-24.11	A 01 G	23/00	222-223	B 27 B	33/00	COOPERING				C 23 C	8/32			
	B 67 C	3/00	24.12	A 01 G	23/06	224-237	B 27 C	1/00	1	B 27 H	5/00	319	C 23 C	8/22			
	B 67 C	3/00	24.13	A 01 G	23/095		B 27 G	13/00	2-3	B 27 H	5/04	320	C 22 C	38/00			
297-300	B 65 B	39/00	24.14	B 27 G	1/00	238-239	B 27 B	33/00	4-5	B 27 H	5/02	321	C 21 D	5/00			
	B 67 C	11/00	24.15	B 27 F	1/00	240-241	B 27 C	1/00	6	B 27 H	5/00	322	C 21 D	5/06			
301-330	B 65 B	1/04	24.16	B 27 G	5/00		B 27 G	13/00	7-12	B 27 H	5/10	323-324	C 22 C	37/00			
	B 65 B	3/04	24.17	B 27 J	1/00	242.1-244	B 27 B	31/00	13-17	B 27 H	5/08	324	C 22 C	37/06			
	B 67 C	3/00	24.18	B 27 M	3/12		B 27 C	1/12	18-23	B 27 H	3/02		C 22 C	38/36			
331-345	B 65 B	39/00	24.19	B 27 M	1/00		B 27 C	5/02	24	B 27 H	5/08	325-327	C 22 C	38/18			
	B 67 C	11/04	24.22	B 27 M	3/20	245.1-245.7	B 27 B	31/00	25-35.5	B 27 H	3/02	325-328	C 22 C	38/00			
346-392	B 65 B	1/04	24.23	B 27 M	3/24		B 27 C	1/12	36-41	B 27 H	3/04	329	C 22 C	38/04			
	B 65 B	3/00	24.24	B 27 M	3/22		B 27 C	5/02	42	B 27 H	5/08	330-333	C 22 C	38/00			
	B 67 C	3/00	25	B 27 M	3/34	246.1-248.7	B 27 B	31/00	43-46	B 27 H	3/00	334	C 22 C	38/22			
	B 65 B	39/00	27	B 27 M	3/34		B 27 C	1/12	48	B 27 J	1/00	335	C 22 C	38/44			
	B 67 C	11/04	28	B 43 K	19/16		B 27 C	5/02	49	B 27 H	5/00	336	C 22 C	38/08			
	B 65 B	1/04	28.1-28.9	B 43 L	23/00	250.1-250.26	B 27 B	31/00				337	C 22 C	38/00			
	B 65 B	3/00	28.3-28.9	B 43 L	23/02		B 27 C	1/12	U.S. CLASS 148			400	C 22 C	11/00			
	B 67 C	3/00	29-33	B 27 M	3/00		B 27 C	5/02	METAL TREATMENT				C 22 C	12/00			
			30	B 27 M	3/28	251.1-251.3	B 27 G	19/00	22	B 23 K	35/22		C 22 C	20/00			
			34.1-34.6	A 01 G	23/08		B 27 G	21/00		C 23 C	30/00		C 22 C	24/00			
			35.1-35.2	B 27 B	5/00	252.1-252.2	B 27 G	19/00	23-26	B 23 K	35/34		C 22 C	25/00			
			36-49	B 27 C	9/00		B 27 G	21/00	27-30	B 23 K	35/24		C 22 C	28/00			
			49	B 27 C	1/00	253.1-253.91	B 27 B	31/00	33-33.1	H 01 L	29/00	401	C 22 C	7/00			
1-2	B 23 B	3/28		B 27 C	3/00		B 27 C	1/12	33.2	H 01 L	29/30	402-403	C 22 C	43/00			
3-4	B 27 C	5/00		B 27 C	5/00		B 27 C	5/02	33.3-33.4	H 01 L	29/12	403	C 22 C	1/00			
5-15	B 23 B	3/28		B 27 C	7/00	254-271	B 27 H	1/00	33.5	H 01 L	29/06	404	C 22 C	45/00			
5-16	B 27 C	5/00		B 05 C	1/00	278.1	B 27 B	1/00	33.6	H 01 L	29/12	405	C 22 C	27/06			
17-20	B 23 B	7/00	50-66	C 06 F	1/00		B 27 B	5/00	95-96	C 22 F		406	C 22 F	3/00			
21-26	B 23 B	3/28		B 27 F	5/10	278.2	B 27 M	3/20	95	C 21 D		407	C 22 C	5/02			
	B 27 B	5/00		B 27 F	5/00	278.3	B 27 B	3/00		C 22 C	1/00		C 22 C	23/00			
27-28	B 23 B	5/00	67-68	B 27 F	5/10		B 27 B	5/00		C 23 F			C 22 C	14/00			
29-30	B 23 B	3/28	67-84	B 27 F	5/00	284	B 27 H	5/00	96	H 01 L	39/24	407	C 22 C	16/00			
	B 27 C	5/00	69-71	B 27 F	5/02	285	B 25 H	1/12	97	C 22 F	3/00		C 22 C	27/00			
31-32	B 23 B	5/00	72-73	B 27 F	1/00	286.1-287	B 25 H	1/00	98-99	C 21 D		408	C 22 C	19/07			
33-35	B 23 B	3/28	74	B 27 F	5/02	288.5-308	B 25 H	5/00		C 22 F		409	C 22 C	19/03			
	B 27 C	5/00	75-81	B 27 F	5/10	329-330	B 27 M	3/00	98	H 01 L	39/24	410	C 22 C	19/05			
36	B 23 B	3/00	82-83	B 27 F	5/02	329	B 27 M	1/00	99	F 01 D	5/28	411	C 22 C	9/00			
37-39	B 23 B	3/28	85-89	B 27 F	1/00	331	B 27 M	3/22	100-105	H 01 F	1/03	412	C 22 C	9/02			
	B 27 C	5/00	90.1-91	B 27 F	1/00	332	B 27 D	1/04	108	C 21 D	1/04	413	C 22 C	9/04			
40	B 23 B	5/00	90.1-91.2	B 27 M	1/00		B 27 G	1/00		H 01 F	1/04	414	C 22 C	9/06			
41	B 23 B	3/28	92	B 27 C	3/00	333	B 27 J	7/00	110-113	H 01 F	1/00	415	C 22 C	21/00			
	B 27 C	5/00	93.1	B 27 M	3/00	334	B 27 J	7/00	120-122	H 01 F	1/00	416	C 22 C	21/12			
42	B 23 B	5/00	93.2	B 27 M	3/20	335	A 01 G	23/06	194-205	B 23 K	7/00	417-418	C 22 C	21/06			
43-44	B 23 B	3/28	96	B 27 M	3/00	335-339	A 01 G	23/08	206-221	C 23 C	8/00		C 22 C	21/16			
	B 27 C	5/00	97-108	B 27 H	7/00	339	A 01 G	23/087	206-238	C 23 C	22/00	419	C 22 C	30/00			
45-46	B 23 B	3/00	114.1-116	B 27 C	1/00	340-341	B 27 L	3/00	222	C 23 C	8/36	420	C 22 C	23/00			
47	B 27 C	7/00	117.1-118	B 27 C	1/00	340-343	B 27 L	1/00	223-229	C 23 C	8/00	421	C 22 C	14/00			
48-49	B 27 C	7/06	119.1-126	B 27 C	1/00	343	A 01 G	23/095	230-231	C 23 C	8/26		C 22 C	16/00			
50	B 27 C	7/00	127.1-132	B 27 C	1/00	344	B 27 D	1/00		C 23 C	8/50		C 22 C	27/00			
51-52	B 23 B	3/28	133.1-133.3	B 27 C	5/00		B 27 F	7/00	232-237	C 23 C	8/00	422	C 22 C	27/02			
	B 27 C	5/00	134.1	B 27 C	5/00	345	B 27 F	1/00	238	C 23 C	8/24	423	C 22 C	27/04			
53-54	B 27 C	7/04	134.2-134.3	B 27 M	3/20		B 27 F	5/00		C 23 C	8/48		C 22 C	27/06			
55	B 27 C	7/00	135	B 27 M	3/34		B 27 F	5/00	239	C 23 C	8/36	424	C 22 C	22/00			
56	B 23 B	27/00	135.2-135.4	B 27 C	5/00	346-355	B 27 D	1/00	240-241	C 23 C	22/00	425	C 22 C	19/07			
57	B 27 C	7/04	136.1	B 27 C	5/00		B 27 M	3/00		C 23 C	8/00	426	C 22 C	19/03			
			136.2-136.3	B 27 M	3/00		B 27 D	1/00	242	C 23 C	22/70	427-428	C 22 C	19/05			
			136.4	B 27 M	3/38	347	B 27 G	11/00	243	C 23 C	22/00	429	C 22 C	19/03			
			136.5	B 27 M	3/00	348	B 27 F	1/00	244	C 23 C	22/84	430	C 22 C	5/00			
			136.6	B 27 M	3/12	349	B 27 F	1/00	245-246	C 23 C	22/00	431	C 22 C	5/06			
			136.7	B 27 C	5/00	350	B 27 F	7/00	247	C 23 C	10/00	432	C 22 C	9/00			
			136.8	B 27 M	3/16	351	B 27 F	1/00		C 23 C	22/48	433	C 22 C	9/02			
			136.9	B 27 C	5/00	352	B 27 G	5/00	248-249	C 23 C	22/02	434	C 22 C	9/04			
			136.95	B 27 C	5/10	353	B 27 G	5/00	250-252	C 23 C	22/00	435	C 22 C	9/06			
			137-143	B 27 C	5/00	354	B 27 G	5/00	253	C 23 C	22/07	436	C 22 C	9/01			
			144.1	B 27 C	5/00	355	B 27 G	5/00	254	C 23 C	22/78	437	C 22 C	21/00			
			144.2	B 27 M	3/00	356-357	B 23 Q	16/00	255-257	C 23 C	28/00	438	C 22 C	21/12			
			144.3	B 27 M	3/10		B 27 B	1/00	256-257	C 23 C	22/82	439-440	C 22 C	21/06			
			144.4	B 27 M	3/22	358-360	B 27 H	1/00	258	C 23 C	10/00	439	C 22 C	21/16			
			144.41	B 27 C	5/00		B 27 M	1/02	259-263	C 23 C	22/33	441	C 22 C	18/00			

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 148--Con.														
518	C 25 D	7/00	615-618	C 21 D	5/04	54	C 06 B	31/46		B 60 B	9/00	378R	B 21 D	53/30
	C 25 D	9/00	619	C 21 D	6/00	55	C 06 B	31/38	5-18	B 60 B	15/04		B 60 B	3/04
519-524	C 21 D	9/08	620-624	C 21 D	8/00	56	C 06 B	31/42		B 60 B	15/20		B 60 C	15/02
519-528	C 22 F		621	C 21 D	6/00	57	C 06 B	31/40		B 60 B	9/00	378W	B 21 D	53/26
519	C 21 D	8/10	622-624	C 21 D	6/02	58	C 06 B	31/34	19	B 60 B	19/02	379.3-380	B 60 B	21/10
520	C 21 D	9/50	625	C 21 D	10/00	59	C 06 B	31/36	20-39	B 60 B	9/00		B 60 C	15/02
522	C 22 F	1/10	626-627	C 21 D	1/00	60	C 06 B	31/30	40-52	B 60 B	9/10	381.3-381.6	B 60 B	21/02
523	C 22 F	1/04	628	C 21 D	1/773	61	C 06 B	31/02	53-68	B 60 B	9/18		B 60 C	15/02
524	C 21 D	9/50	629	C 21 D	3/04	62	C 06 B	31/12	69-86	B 60 B	9/04		B 60 C	15/06
525-526	C 21 D	1/09		C 21 D	3/08	63	C 06 B	31/22	87-112	B 60 B	9/08	382-383	B 60 B	21/10
526	C 21 D	9/52	630	C 21 D	1/53	64	C 06 B	31/24	151	B 60 C	1/00		B 60 C	15/02
527-534	C 21 D		631-632	C 21 D	1/46	65	C 06 B	31/26		B 60 C		384-414	B 60 C	25/00
527	C 22 F	1/10		C 21 D	1/607	66	C 06 B	31/20	152	B 60 C	17/00		B 60 C	5/16
528	B 23 K	35/28	633-635	C 21 D	1/613	67	C 06 B	31/14	152.1	B 60 C	19/00		B 60 C	7/24
529	C 21 D	9/50	636-638	C 21 D	1/58	68	C 06 B	31/28		B 60 C	19/08	415-426	B 60 C	23/10
530	C 21 D	8/02		C 21 D	1/60	69	C 06 B	31/16	153	B 60 C	23/18		B 60 C	29/00
531	C 23 C	2/12	639-641	C 21 D	1/68	70	C 06 B	31/08	154	B 60 C	19/00	427	B 60 C	23/10
532	B 32 B	15/01		C 21 D	6/00	71	C 06 B	31/10	154.1	B 60 C	19/00		B 60 C	29/00
533	C 23 C	2/28		C 21 D	8/00	72	C 06 B	31/04		F 16 F	15/32		B 60 C	29/06
534	C 21 D	8/02	642	C 21 D	1/08	73	C 06 B	31/06	154.2	B 60 C	11/24	428	B 60 C	23/10
535-539	C 22 F			C 21 D	1/52	74	C 06 B	47/04	155-166	B 60 C	5/00		B 60 C	29/00
535	C 22 F	1/04	643-654	C 21 D	8/00	75	C 06 B	29/00	167-184	B 60 C	11/00	429	B 60 C	23/10
536	C 22 F	1/08	655-664	C 21 D	6/00	76	C 06 B	29/22		B 60 C	27/00		B 60 C	29/00
537-542	C 21 D		665	C 22 F	1/16	77	C 06 B	29/02		B 60 C	7/22		B 60 C	29/06
537	C 21 D	1/70		C 22 F		78	C 06 B	29/16		B 60 C	9/00	430-431	B 60 C	23/10
538	B 22 D	17/00	666-667	C 22 F	1/06	79	C 06 B	29/20	185	B 60 C	27/00		B 60 C	29/00
539	B 22 D	13/02	668-673	C 22 F	1/18	80	C 06 B	29/18		B 60 C	7/22	450	B 60 C	5/00
540	C 21 D	1/84	674-677	C 22 F	1/10	81	C 06 B	29/14		B 60 C	9/00	451	B 60 C	9/00
541-542	C 21 D	8/02	678	C 22 F	1/14	82	C 06 B	29/12	185.1	B 60 C	27/00		D 02 G	3/48
543-545	C 21 D	5/00	679-687	C 22 F	1/08	83	C 06 B	29/08		B 60 C	27/06	452	B 60 C	19/00
546-548	C 21 D		688-704	C 22 F	1/04	84	C 06 B	29/10		B 60 C	7/22		B 60 C	5/01
546	C 21 D	8/04	705	C 22 F	1/16	85	C 06 B	29/04		B 60 C	9/00	453	B 60 C	3/00
547	C 21 D	8/02	706	C 22 F	1/12	86	C 06 B	29/06		B 62 D	55/20		B 60 C	3/02
548	C 21 D	6/00	707-714	C 22 F	1/16	87	C 06 B	27/00		B 62 D	55/24	454	B 60 C	19/00
549-552	C 22 F	1/04				88	C 06 B	25/00	186-207	B 60 C	27/00		B 60 C	3/00
553-554	C 22 F	1/08				89	C 06 B	25/36		B 60 C	7/22		B 60 C	3/04
555-556	C 22 F	1/10				90	C 06 B	25/40		B 60 C	9/00		B 60 C	5/00
557	C 21 C					91	C 06 B	25/38	208-209.1	B 60 C	11/00	455-456	B 60 C	19/00
	C 22 C	14/00				92	C 06 B	25/34		B 60 C	27/00		B 60 C	3/06
	C 22 F					93	C 06 B	25/32	209.11-209.13	B 60 C	11/00		B 60 C	5/00
558	C 21 D	10/00	1	C 06 B	47/00	94	C 06 B	25/28		B 60 C	11/03	457	B 60 C	19/00
559-564	C 21 D		2	C 06 B	45/00	95	C 06 B	25/30		B 60 C	27/00		B 60 C	3/08
559-578	C 22 F		3	C 06 B	45/18	96	C 06 B	25/18	209.14	B 60 C	11/00		B 60 C	5/00
559	C 21 D	9/00	4	C 06 B	45/36	97	C 06 B	25/24		B 60 C	27/00	458	B 60 C	9/00
560	C 22 C	43/00	5	C 06 B	45/30	98	C 06 B	25/26	209.15	B 60 C	11/00		B 60 C	9/12
561	C 22 C	45/10	6	C 06 B	45/32	99	C 06 B	25/22		B 60 C	11/03	500	B 60 C	19/00
562	C 22 F	1/10	7-8	C 06 B	45/34	100	C 06 B	25/20		B 60 C	27/00		B 60 C	5/02
563	C 22 F	1/00	9	C 06 B	45/20	101	C 06 B	25/10	209.16	B 60 C	11/00	501	B 60 C	19/00
564	C 22 F	1/04	10	C 06 B	45/28	102	C 06 B	25/12		B 60 C	11/01		B 60 C	5/00
565-567	C 21 D	1/00	11	C 06 B	45/22	103	C 06 B	25/16		B 60 C	27/00		B 60 C	5/02
568-569	C 21 D	1/04	12	C 06 B	45/24	104	C 06 B	25/14	209.17	B 60 C	11/00	502	B 29 C	73/16
	C 21 D	1/10	13	C 06 B	45/26	105	C 06 B	25/04		B 60 C	11/117		B 60 C	19/12
568	C 21 D	9/52	14	C 06 B	45/12	106	C 06 B	25/06		B 60 C	27/00	503-507	B 29 C	73/16
	C 21 D	9/60	15	C 06 B	45/14	107	C 06 B	25/08	209.18-209.19	B 60 C	11/00		B 29 C	73/22
569	C 21 D	9/04	16	C 06 B	45/16	108	C 06 B	25/02		B 60 C	11/13		B 60 C	19/12
	C 21 D	9/06	17	C 06 B	45/04	108.2-109.6	D 03 D	23/00		B 60 C	27/00	508	B 29 C	73/18
570-571	C 21 D	9/08	18	C 06 B	45/06				209.2	B 60 C	11/00		B 60 C	23/00
570	C 21 D	1/00	19.1-19.93	C 06 B	45/10					B 60 C	11/03		B 60 C	23/10
571-575	C 21 D	1/04	20	C 06 B	45/08				209.21-209.27	B 60 C	27/00	509	B 29 C	73/18
	C 21 D	1/10	21	C 06 B	45/02					B 60 C	11/00		B 60 C	19/12
572	C 21 D	9/28	22	C 06 B	43/00					B 60 C	11/13		B 60 C	23/00
	C 21 D	9/36		C 06 B	47/10					B 60 C	27/00		B 60 C	23/10
573	C 21 D	9/22	23	C 06 B	41/00	100	A 45 C	1/02	209.28-209.3	B 60 C	11/00	510	B 60 C	19/12
	C 21 D	9/24	24	C 06 B	41/02		A 45 C	3/06		B 60 C	11/03		B 60 C	23/00
574	H 05 B	6/02	25	C 06 B	41/10	101-102	A 45 C	13/18		B 60 C	27/00		B 60 C	5/02
576	C 21 D	9/52	26	C 06 B	41/08	103-105	A 45 C	13/08	209.4-209.5	B 60 C	1/00		B 60 C	5/12
	C 21 D	9/62	27	C 06 B	41/04		A 45 C	3/08		B 60 C	11/00	511	B 60 C	5/02
577-578	C 21 D	6/04	28	C 06 B	41/06	106	A 45 C	13/40		B 60 C	27/00	512	B 60 C	5/02
577	C 22 F	1/04	29	C 06 B	39/00		A 45 C	15/00	209.6	B 60 C	1/00		B 60 C	5/08
579	C 21 D	8/02	30	C 06 B	39/06	107-110	A 45 C	13/26		B 60 C	11/00	513	B 60 C	19/00
	C 21 D		31	C 06 B	39/02		A 45 C	13/30		B 60 C	11/02		B 60 C	5/00
580	C 21 D	9/02	32	C 06 B	39/04	111	A 45 C	1/08		B 60 C	27/00	514-515	B 60 C	19/00
581-585	C 21 D	9/04	33	C 06 B	37/00	112-117	A 45 C	1/02	209.7	B 60 C	1/00		B 60 C	19/04
	C 21 D	9/06	34	C 06 B	37/02		A 45 C	3/06		B 60 C	11/00		B 60 C	5/00
586	C 21 D	9/32	35	C 06 B	35/00	118	A 45 C	13/10		B 60 C	27/00	516	B 60 C	17/00
587	C 21 D	9/22	36	C 06 B	47/08	119	A 45 C	13/00	209.8-209.9	B 60 C	11/00	517	B 60 C	17/00
588	C 21 D	9/24	37	C 06 B	33/00	120-126	A 45 C	13/06		B 60 C	11/03		B 60 C	17/04
589	C 21 D	9/40	38	C 06 B	33/08		A 45 C	13/10		B 60 C	27/00	518	B 60 C	17/01
590-594	C 21 D	9/08	39	C 06 B	33/10	127-130	A 45 C	1/02	210-245	B 60 C	11/00		B 60 C	17/02
595-603	C 21 D	9/52	40	C 06 B	33/12		A 45 C	13/36		B 60 C	27/00	519	B 60 C	17/02
601-603	C 21 D	8/02	41	C 06 B	33/14		A 45 C	3/06	246-329	B 60 C	7/00	520	B 60 C	17/02