

**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			
<b>U.S. CLASS 4—Con.</b>						<b>U.S. CLASS 7 COMPOUND TOOLS</b>						<b>U.S. CLASS 8 BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS</b>					
628	A 47 K	1/04	81.1HS	A 47 C	21/06	503.1	A 47 C	21/00									
	A 47 K	1/09		A 61 G	1/003		A 47 C	31/00									
	A 47 K	5/00	81.1R	A 61 G	5/00	504.1-506.1	A 47 C	21/02				127.1	D 06 M	13/244			
	A 47 K	7/02		A 61 G	7/053	507.1-509.1	A 47 B	23/02					D 06 M	23/00			
	E 03 C	1/18	81.1RP	A 61 G	5/12	510-511	A 47 C	21/00				127.5	D 06 M	15/00			
629-630	E 03 C	1/00		A 61 G	5/14	512-513	A 47 G	5/00				127.51-127.6	D 06 M				
630	A 47 B	77/06	81.1T	A 61 G	1/00	600	A 47 B	71/00	94.1D	C 14 B	1/26	127.51	A 61 K	8/00			
	A 47 K	1/04		A 61 G	7/00	601-606	A 47 B	13/00	94.1P	C 14 C	9/02		A 61 Q	5/00			
631-632	A 47 K		89.1	A 61 G	1/00	602-610	A 47 B	7/02	94.1R	C 14 C		127.6	D 06 M	10/10			
631-636	E 03 C	1/33	93.1-93.2	A 47 D	13/06	607-613	A 47 B	7/00				128.1-128.3	D 06 M	15/00			
637	A 47 B	77/06		A 47 D	7/00	613-619	A 47 B	7/02	94.11	A 61 L	17/00	128.1-130	D 06 M	11/00			
	A 47 K		94-96	A 47 D	7/04	620-624	A 47 B	7/00					D 06 M	13/00			
	E 03 C	1/182	97-99.1	A 47 D	7/00	625-629	A 47 B	1/00				129-130	D 06 M	23/00			
	E 03 C		97	A 47 C	29/00	630-645	A 47 C	20/00	94.12	C 14 C	1/00	130.1	D 06 M	13/152			
638	A 47 B		98.1-99.1	A 47 C	7/00	646-648	A 47 C	17/86	94.13-94.14	C 14 C	11/00		D 06 M				
	E 03 C	1/18	100	A 47 D	7/02	649-651	A 47 C	20/04	94.13	C 14 C	13/00	131	D 06 M	11/00			
	E 03 C	1/186	101-104	A 47 D	9/00	649-657	A 47 C	20/02	94.14	C 14 C			D 06 M	13/00			
639-642	E 03 C	1/01	105-109	A 47 D	9/02	652-657	B 68 G	5/00					D 06 M	15/00			
639	A 47 K	1/12		A 47 D	9/04	652.1-657.5	A 47 C	16/00	94.15	C 14 C	1/00	132	D 06 M	11/26			
	A 47 K	4/00		B 02 B		658-663	A 47 C	31/00	94.16	C 14 C	1/06	133	D 06 M	11/56			
643-645	A 47 K	1/05	110	A 47 C	17/00	665-688	A 47 C	17/00	94.17-94.18	C 14 C	1/00		D 06 M				
	E 03 C	1/32		A 47 C	19/00	689	A 61 G	7/057	94.17	C 14 C	1/08	137-142	D 06 F				
646	E 03 C	1/326	111	A 47 C	19/04	690-691	A 47 C	17/00	94.19C-94.19R	C 14 C	3/00		D 06 L				
647-648	E 03 C	1/322	112	A 47 C	17/64	692	A 47 C	21/02	94.19R	C 14 C	1/08	137	C 11 D	3/00			
649	E 03 C	1/33	113	A 47 C	29/00	693-703	A 47 C	17/00				137.5	C 11 D	11/00			
650	A 47 K	1/04	114-115	A 47 C	17/64	704	A 47 C	21/08	94.24	C 14 C	3/18	138	D 06 L	1/14			
	E 03 C	1/00	116	A 47 C	17/70	705	A 47 C	17/00	94.25-94.26	C 14 C	3/02	139-139.1	D 01 C	3/00			
651	E 03 C	1/24	117	A 47 C	17/76	706-708	A 47 C	27/08				140	D 01 C	5/00			
652	E 03 C	1/264	118-119	A 47 C	17/64	709	A 47 C	27/14	94.27	C 14 C	3/06	141	B 03 B	9/06			
653	E 03 C	1/00		B 60 P	3/38	710	A 47 C	27/10	94.28-94.29	C 14 C	3/04	142	D 06 L	1/04			
654	A 47 K		120-126	A 45 F	3/22	711-715	A 47 C	27/08	94.3	C 14 C	3/10	147-148	A 01 H	5/02			
	E 03 C	1/244		A 45 F	4/08	716-721	A 47 C	23/04	94.31	C 14 C	3/24	147-159	D 06 B				
	E 03 C		127-130	A 45 F	3/24	722-740	A 47 C	17/00	94.32	C 14 C	3/10	149	D 06 B	11/00			
655	A 47 K	1/06	131-132	A 47 C	19/00				94.33	C 14 C	3/08	149.1	D 06 B	19/00			
656	A 47 J	47/20	133-149	A 47 C	17/38				101-102	D 06 L	3/00	149.2	D 06 B	1/02			
	A 47 L	19/02	150.1	A 47 C	19/00				103	D 06 L	3/04	149.3	D 06 B	19/00			
	A 47 L	19/04		A 47 C	19/12	100	B 25 F	1/00	104	D 06 L	3/00	150	D 06 F	95/00			
657	A 47 K		151-158	A 47 C	17/38	101	A 01 H	5/02	105	D 06 L	3/06	150.5	C 14 C	15/00			
	E 03 C	1/186	159.1	A 47 C	19/00	102	G 04 D					151	D 06 B	3/20			
	E 03 C		160-163	A 47 C	19/12				107	D 06 L	3/00	151.1-151.2	D 01 D	10/04			
658	A 47 J	47/20	164.1	A 47 C	17/38	103	A 43 D	5/00	108.1-109	D 06 L	3/06	151.1	D 06 B	3/26			
	E 03 C	1/181		A 47 C	19/00	104	B 68 F		110	D 06 L	3/10	151.2	D 06 B	3/04			
659	A 47 K	3/12	165	A 47 C	19/12	105	C 14 B	19/00	111	D 06 L	3/02	152	D 06 B	3/28			
	A 47 K	3/164	166.1-166.2	A 47 C	17/38				112	D 06 L	3/04	154	D 06 B	5/14			
660-661	E 03 C			A 47 C	19/00	106-107	A 47 G	27/04				155	A 01 N	25/34			
660	E 03 C	1/33		A 47 C	19/12	106	E 21 C	37/22	114-114.5	D 06 M		155.1	D 06 B	5/16			
661	A 47 K	17/00	167-173	A 47 C	17/38	107	A 46 B		114	D 06 Q	1/02	156	D 06 B	5/20			
	A 47 K		174-180	A 47 C	19/12	108	B 44 C	7/00	114.5	D 06 Q	1/00	157	D 06 B	1/40			
662-665	A 47 K	4/00	181-185	A 47 C	19/04	109-117	B 44 D	3/16	115.51-115.69	D 06 M		158	A 01 H	5/00			
	E 03 C	1/01	186.1-229	A 47 C	19/00	110	C 03 B	33/10	115.51	C 08 J	3/00	159	D 06 F	35/00			
666	E 03 D	9/00	230-235	A 47 C	23/00	110-113	E 04 F	21/28	115.52	C 08 F	283/00	160-161	D 06 F	39/00			
667	A 47 K	13/10	236.1-238	A 47 C	23/06	111	B 25 F	1/00	115.53	D 01 F	9/22	161-196	C 14 C	1/06			
668-669	E 03 C	1/00	239-245	A 47 C	23/30	112	A 01 K	25/00	115.54	D 06 P	3/79	400	D 06 M	13/322			
668	F 16 K	31/00	246-263	A 47 C	23/02	113	B 25 F	1/00	115.55	D 06 P	13/127	401	C 09 B	67/00			
669	F 16 K	33/00	246-277	A 47 C	23/04	114-116	A 47 J	43/28	115.56	D 06 M	13/127	402	D 06 P	3/60			
670	E 03 C	1/01	264.1	A 47 C	23/00				115.57	C 08 L	23/32	403	D 06 P	5/13			
671-674	E 03 C	1/00	265-277	A 47 C	23/02				115.58-115.6	D 06 M	15/423	404	D 06 P	3/04			
672	F 16 K	35/14	278-316	A 47 C	19/00				115.61	D 06 M	13/11	405-414	A 61 Q	5/10			
675-678	E 03 C	1/04	278-400	A 47 C	19/22				115.62	D 06 M	14/14	405	A 61 K	8/00			
679	E 03 C	1/12	308	A 47 C	19/22				115.63	D 06 M	13/285	407	A 61 K	8/41			
680	E 03 C	1/22	401	A 47 C	23/00				115.64	C 08 J	7/12	409	A 61 K	8/49			
	E 03 C	1/24	402-410	A 47 C	31/02				115.65	D 06 P	1/673	410	A 61 K	8/41			
681	E 03 C	1/00	402	B 68 G	7/12				115.66	D 06 P	1/642	412	A 61 K	8/41			
682-687	E 03 C	1/232	411	A 47 C	27/00				115.67	D 06 M	13/395	414	D 06 P	3/30			
688-693	E 03 C	1/23	412	A 47 C	19/04	118-120	B 26 B	11/00	115.68	C 08 G	59/32	415	C 09 B	51/00			
694	E 03 C	1/244		A 47 C	29/00	121-122	B 25 F	1/00	115.69	D 06 M	11/38	416-421	A 61 K	8/41			
695	E 03 C	1/042	413AM	A 47 C	27/08	121	D 05 B	91/04	115.7-116.1	D 06 M	11/00	416-424	A 61 Q	5/10			
696	E 03 C	1/00	413R-413AM	A 47 G	9/08	122	B 25 D	1/00				423	A 61 K	8/49			
			413R	A 41 B	13/06	123	B 26 B	23/00				424-425	D 06 P	3/30			
				A 47 G	9/02	124	A 47 G	25/00				426	A 61 K	8/49			
			415	B 62 B	9/14	125-137	B 43 L	19/02	115.7	D 06 M	15/00	433-435	D 06 P	1/649			
			416	A 45 F	4/06	138-142	B 25 B	7/22	116.1	D 06 M	23/00	435	A 61 Q	5/10			
				A 45 F	4/08	139-142	B 25 F	1/00	116.4	D 06 M	13/12	436-437	D 06 P	3/30			
				A 47 G	9/08	143-147	B 25 B	13/00	117-118	D 06 M	11/00	432	D 06 P	3/14			
				A 47 G	9/06	148-150	B 25 B	13/10					D 06 P	3/30			
				A 47 C	21/04	148-157	B 25 D	1/04				433-435	D 06 P	1/649			
				A 61 F	7/00	151-156	B 27 B	21/00				436	A 45 D	19/02			
				A 47 C	27/08	157-163	B 25 F	1/00				436-437	D 06 P	3/32			
8-9.1	A 47 C	19/22	422	A 47 C	27/08	164	B 67 B	7/00	119	D 21 H	15/00	438-439	C 09 B	61/00			
	A 47 D	7/00	423	A 47 C	27/00	165	B 26 B	11/00				440	C 09 B	67/34			
	A 47 D	7/00	424														

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<b>U.S. CLASS 8—Con.</b>														
473	D 06 P	1/00	682-684	C 09 B	29/00	31.5-31.6	A 43 D	87/00	142R	A 43 D	21/00	3.1-3.21	A 01 K	43/00
474	D 06 P	1/673	685-687	C 09 B	45/00	32-32.1	A 43 D	43/00		A 43 D	9/00		A 23 N	12/00
475	D 06 P	1/94	688-696	C 09 B	29/00		A 43 D	91/00	142RS	A 43 B	13/04	3.5-3.52	B 08 B	9/00
476	D 06 P	5/20				33-38	A 43 D	89/00		A 43 B	9/00		B 08 B	9/20
477	D 06 P	1/96				39	A 43 D	63/00	142S	A 43 B	3/12	3.53	B 43 L	19/00
478-487	D 06 P	5/00	<b>U.S. CLASS 12</b>			39.3	A 43 D	91/00	142T	A 43 B	13/28	4-21.2	A 63 B	47/04
488	D 04 H	11/00	<b>BOOT AND SHOE MAKING</b>			39.5	A 43 D	95/00		A 43 B	9/00		A 63 D	5/10
	D 06 P		1A	A 43 D	111/00	40	A 43 D	8/00	142V	A 43 B	7/06		B 60 S	3/00
489	D 06 P	7/00		A 43 D	117/00	40.5	A 43 D	31/00	142W	A 41 D	17/00	4-29	A 46 B	13/00
490-493	D 06 P	5/00		A 43 D	119/00	41.05	A 43 D	63/00	145	A 43 D	29/00		A 47 L	11/00
491	D 06 P	7/00	1B	A 43 D	25/053	41.1-41.2	A 43 D	11/14		A 43 D	31/00	23-29	A 47 L	21/02
494-496	D 06 P			A 43 D	25/16		A 43 D	8/52	146B-146C	A 43 D	8/00	23-37	A 47 L	23/02
494	D 06 M	23/00		A 43 D	85/00	41.3	A 43 D	95/06	146BC-146BP	A 43 D	8/00	30-37	A 47 L	23/06
495	D 06 P	1/52	1F	A 43 D	25/07	41.5	A 43 D	11/14	146BR	A 43 B	13/04	38	A 46 B	17/06
496	D 06 P	1/56		A 43 D	43/06		A 43 D	95/12	146C	A 43 D	11/00		A 46 B	
497	D 06 P	7/00		B 29 D	31/50	41.7	A 43 D	61/00	146CK	A 43 D	11/00	39	A 45 D	24/40
498-499	D 06 P	5/00	1G	A 43 B	7/14	42B-42R	A 43 D	67/00		A 43 D	8/00	39.5-40	A 47 L	11/00
500	D 06 P	7/00		A 43 B	7/18	42B	A 43 D	25/06	146D	A 43 B	23/08	39.5	A 46 B	11/00
501-508	D 06 P	5/00		A 43 D	8/00			83/00	146L	A 43 D	3/00		A 46 B	3/00
509	D 06 P	3/52	1M	A 43 B	3/14	42R	A 43 D	11/00	146M	A 43 B	7/14		A 46 B	5/00
510-511	D 06 P	3/70		A 43 D	113/00		A 43 D	21/00	146R	A 43 B	13/38		A 46 B	7/00
512	D 06 P	3/52		A 43 D	3/02		A 43 D	25/00		A 43 B	23/02		A 46 B	9/00
513-514	D 06 P	3/79	1R-1W	A 43 D	11/00		A 43 D	27/00		A 43 D	11/00		A 47 L	13/00
515	D 06 P	3/24	1R	A 43 D	37/00		A 43 D	33/00		A 43 D		40-48.2	D 06 G	1/00
516	D 06 P	3/04		A 43 D	95/08		A 43 D	87/00	146S	A 43 D	31/00	40	D 06 G	
517	D 06 P	3/14		A 43 D		42.5-43	A 43 D	95/00	146W	A 43 B	15/00	41.1-48.2	A 47 L	11/32
	D 06 P	3/24	1W	A 43 D	21/12	43.5	A 43 D	79/00	147A	A 43 B	21/06	49.1-52	A 47 L	11/00
518-519	D 06 P	3/60		A 43 D	21/16	46-47.1	A 43 D	87/00	147B	A 43 D	25/12	51-52.2	A 47 L	13/00
520	D 06 P	3/58	4.1	A 43 D	86/00	48	B 29 D	31/50	147R	A 43 D	33/00	53.1-53.4	B 60 S	3/00
521	D 06 P	3/00	4.2	A 43 D	89/00	49	A 43 D	95/06				54-55	B 61 F	19/00
522-523	D 06 P	3/80	4.3-4.5	A 43 D	53/00	49.1	A 43 D	25/12					E 01 H	8/00
524-526	C 09 B	67/02	4.4	A 43 D	47/00	50-50.2	A 43 D	33/00				56-76	B 08 B	9/20
527-528	C 09 B	67/00	4.6	A 43 D	85/00	50.3	A 43 D	25/00				57-58	A 47 L	15/00
529-534	D 06 P	3/82	7-7.1	A 43 D	21/00	50.4	A 43 D	33/00				59-77	A 47 L	15/00
535	D 06 P	3/58	7-7.2	A 43 D	23/00	50.5	A 43 D	115/00				77	A 47 L	25/00
536-538	D 06 P	3/60	7	A 43 D	75/00	51-55.1	A 43 D	11/00				78-87	E 01 H	1/02
538	D 06 P	3/70	7.1-7.2	A 43 D	8/00	51	A 43 D	13/00				88-88.4	A 47 L	15/00
539-540	D 06 P	3/00	7.1	A 43 D	27/00		A 43 D	25/00				89-92	A 47 L	11/36
541-543	C 09 B	62/00	7.3-7.4	A 43 D	21/00	52.5-53.1	A 43 D	13/00				93.1-93.4	A 01 K	31/04
544	C 09 B	62/02	7.3	A 43 D	44/00		A 43 D	15/00					B 08 B	9/38
	C 09 B	62/54	7.4	A 43 D	11/00	52.5-55.1	A 43 D	95/00					B 23 D	79/02
546-549	C 09 B	62/00	7.5	A 43 D	113/00	57-57.1	A 43 D	85/00					C 10 B	43/04
550-635	C 09 B	67/00		A 43 D	43/00	57.5-57.6	A 43 D	27/00				94	A 47 L	13/502
550	D 06 P		7.6	A 43 D	75/00	58	A 43 D	115/00					A 47 L	
636-638	D 06 P		7.7-7.8	A 43 D	43/00		A 43 D	8/34					F 28 G	7/00
636-639	C 09 B		7.7	A 43 D	113/00	58.3	A 43 D	1/00				95-96	B 08 B	9/20
636	D 06 P	1/00	7.9	A 43 D	15/00	58.5-61	A 43 D	100/00				97.1-103.5	A 47 L	1/02
637.1-639	C 09 B	67/00	8.1	A 43 D	21/12		A 43 D	8/00					A 47 L	11/02
640	C 09 B	49/00	8.2-10.1	A 43 D	21/00	64-66	B 29 D	31/50					G 03 D	5/06
641	C 09 B	67/00		A 43 D	23/00			8/00					G 11 B	23/50
	C 09 B		8.6	A 43 D	75/00	70-79.5	A 43 D	95/00					A 47 L	23/02
642	C 09 B	49/00	9.1	A 43 D	43/00	85-95	A 43 D	21/00					B 60 S	3/06
643-644	C 09 B	67/00	10.2	A 43 D	75/00		A 43 D	27/00					A 47 L	11/162
	C 09 B		10.21-10.5	A 43 D	21/00		A 43 D	47/00					A 47 L	11/29
645	C 09 C			A 43 D	23/00			57/00					A 47 L	11/29
	D 06 P	1/00	10.6-11.2	A 43 D	75/00								A 47 L	11/29
646	C 09 B	61/00	11.3-12.5	A 43 D	21/00								G 03 D	15/00
647	C 09 B	69/10		A 43 D	23/00								A 47 L	15/00
648-649	C 09 B		13.1	A 43 D	75/00								H 01 L	21/00
648	D 06 L	3/12	13.2	A 43 D	43/00								E 01 C	23/20
649	C 09 B	51/00	14.2-14.4	A 43 D	21/00								A 47 L	13/00
650	C 09 B	67/28	14.5	A 43 D	23/00								A 46 B	
651	C 09 B	9/00	15	A 43 D	3/12								A 47 L	25/00
652	C 09 B	49/00	15.1	A 43 D	3/10								F 23 J	3/00
653	C 09 B	7/00	16	A 43 D	61/00								H 01 T	21/04
654	C 09 B	44/00	16.1	A 43 D	63/00								F 02 B	77/04
655-657	C 09 B	23/14	16.2	A 43 D	89/00								F 23 J	3/00
655-658	C 09 B		16.3-16.5	A 43 D	25/12								F 28 G	1/00
658	C 09 B	5/14		A 43 D	63/00								B 08 B	9/00
659	C 09 B	23/00		A 43 D	89/00								B 08 B	1/00
661	C 09 B	47/04	16.6-16.7	A 43 D	27/06								F 16 L	45/00
662-671	C 09 B		17A-17R	A 43 D	29/00								F 16 L	55/00
662	C 09 B	29/08	17R	A 43 D	25/00								B 08 B	7/00
663	C 07 D	231/56		A 43 D	27/00								B 08 B	7/00
664-665	D 06 P	1/12		A 43 D	35/00								F 16 L	45/00
666	D 06 P	3/68		A 43 D	37/00								F 16 L	55/00
667	D 06 P	3/44		A 43 D	43/00								B 08 B	9/04
668	C 09 B	35/56		A 43 D	67/00								B 23 J	3/00
669	C 09 B	35/04		A 43 D	69/00								B 08 B	1/00
670	C 09 B	29/00		A 43 D	89/00								B 08 B	7/00
671	C 09 B	39/00		A 43 D	95/00								B 08 B	9/00
672	C 09 B	69/08		A 43 D	119/00								F 16 L	45/00
673-674	C 09 B		17.2	A 43 D	95/00								F 16 L	55/00
673	C 09 B	31/02	18.1	A 43 D	95/00								F 16 L	55/00
674	D 06 P	3/79	18.2	A 43 D	25/14								F 28 G	3/00
675-679	C 09 B	1/00	18.3	A 43 D	31/00								F 16 L	45/00
	C 09 B	3/00		A 43 D	39/00								B 08 B	7/00
	C 09 B	5/00	18.5-18.9	A 43 D	43/00								B 08 B	9/02
	C 09 B	6/00												