CONCORDANCE - United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation
U.S. CLASS 162--Con.		
155-157.7	D 21 H	15 / 00
	D 21 H	17 / 00
	D 21 H	19 / 00
	D 21 H	21 / 00
	D 21 H	23 / 00
	D 21 H	25 / 00
	D 21 H	27 / 00
158	D 21 F	11 / 00
	D 21 H	23 / 00
159-182	D 21 H	11 / 00
	D 21 H	13 / 00
	D 21 H	15 / 00
	D 21 H	17 / 00
	D 21 H	19 / 00
	D 21 H	21 / 00
	D 21 H	23 / 00
	D 21 H	25 / 00
	D 21 H	27 / 00
183-186	D 21 F	11 / 00
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	D 21 H	13 / 00
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187	D 21 H	11 / 00
	D 21 H	13 / 00
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	D 21 H	25 / 00
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188	D 21 H	11 / 00
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	D 21 H	19 / 00
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	D 21 H	23 / 00
	D 21 H	25 / 00
	D 21 H	27 / 00
189-191	D 21 F	1 / 66
192	D 21 D	
	D 21 F	1 / 64
	D 21 F	5 / 00
	D 21 J	
193	D 21 F	1 / 36
194-195	D 21 F	11 / 00
	D 21 J	1 / 02
196	D 21 F	11 / 00
	D 21 F	7 / 00
197	D 21 F	11 / 00
198	D 21 F	11 / 00
	D 21 F	13 / 00
199-200	D 21 F	1 / 32
201	D 04 H	1 / 58
	D 21 F	
	D 21 H	
	D 21 J	
202	D 21 F	11 / 00
203	D 21 F	11 / 04
	D 21 F	11 / 08
204	D 21 F	11 / 00
	D 21 F	2 / 00
	D 21 J	
205-206	D 21 F	11 / 00
	D 21 F	3 / 02
	D 21 J	
207	D 21 F	11 / 00
	D 21 F	5 / 18
	D 21 J	
208	D 21 F	11 / 00
	D 21 J	1 / 00
209	D 21 F	1 / 18
	D 21 F	11 / 00
210-216	D 21 F	1 / 00
	D 21 F	11 / 00
217	D 21 F	1 / 48
	D 21 F	11 / 00
218-224	D 21 F	13 / 00
	D 21 J	1 / 00
	D 21 J	3 / 00
225	D 21 F	13 / 00
	D 21 J	1 / 06
226	D 21 J	1 / 06
	D 21 J	3 / 00
227	D 21 J	1 / 04
	D 21 J	3 / 00
228-229	D 21 G	
	D 21 J	3 / 00
	D 21 J	5 / 00
	D 21 J	7 / 00
230	D 21 F	11 / 00
231	D 21 G	1 / 00
	D 21 H	
	D 21 J	
232	D 21 F	1 / 00
	D 21 F	
233-237	D 21 C	7 / 00
238	D 21 C	7 / 12
239-242	D 21 C	7 / 00
243	D 21 C	7 / 14
244	D 21 C	7 / 02
245	D 21 C	7 / 00
246-247	D 21 C	7 / 06
	D 21 C	7 / 08
248-249	D 21 C	7 / 14
250	D 21 C	7 / 10
251	D 21 C	7 / 00
	D 21 C	7 / 08
252-253	D 21 F	7 / 00
254	D 21 D	
	D 21 F	1 / 00
255	D 21 F	7 / 04
256	D 21 F	
	D 21 G	9 / 00
	D 21 J	
257	D 21 F	1 / 36
	D 21 F	
	D 21 J	
258	D 21 F	1 / 08
259	D 21 F	1 / 06
260	B 28 B	1 / 42
	D 21 F	
	D 21 J	
261	D 21 B	1 / 32
	D 21 D	1 / 00
	D 21 F	
262	D 21 F	7 / 02
263	D 21 F	7 / 06
264	D 21 F	1 / 66
265-266	D 21 H	11 / 00
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	D 21 H	17 / 00
	D 21 H	19 / 00
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	D 21 H	23 / 00
	D 21 H	25 / 00
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267-268	D 21 H	11 / 00
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	D 21 H	25 / 00
	D 21 H	27 / 00
269	B 01 D	39 / 18
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	D 21 J	
270	D 21 F	
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271	B 65 H	23 / 34
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272	D 21 F	
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273	D 21 F	7 / 00
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274-279	D 21 F	1 / 32
280	B 31 F	1 / 12
	D 21 G	
281-282	B 31 F	1 / 12
	B 31 F	1 / 29
	D 21 G	3 / 04
283	B 31 C	11 / 00
	B 65 H	27 / 00
	D 21 G	9 / 00
284-285	B 31 C	1 / 00
	B 31 C	3 / 00
	B 31 C	5 / 00
286	B 26 D	1 / 00
	B 26 D	3 / 00
	B 26 F	
	D 21 G	9 / 00
287	B 31 F	1 / 00
	B 31 F	7 / 00
288	D 21 J	3 / 00
289	D 21 F	
	D 21 G	9 / 00
290	D 21 F	5 / 00
	D 21 F	9 / 00
291-304	D 21 F	1 / 00
305	D 21 F	3 / 00
	D 21 F	9 / 00
306-307	D 21 F	2 / 00
308	D 21 F	1 / 20
	D 21 F	5 / 00
	D 21 J	
309	D 21 F	9 / 02
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	D 21 H	11 / 00
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	D 21 H	25 / 00
	D 21 H	27 / 00
310	B 27 N	1 / 00
	D 21 F	
	D 21 H	11 / 00
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	D 21 H	25 / 00
	D 21 H	27 / 00
311	D 21 F	9 / 02
	D 21 F	
	D 21 H	11 / 00
	D 21 H	13 / 00
	D 21 H	15 / 00
	D 21 H	17 / 00
312	D 21 F	1 / 44
	D 21 F	1 / 48
	D 21 H	11 / 00
	D 21 H	13 / 00
	D 21 H	15 / 00
	D 21 H	17 / 00
	D 21 H	19 / 00
	D 21 H	21 / 00
	D 21 H	23 / 00
	D 21 H	25 / 00
	D 21 H	27 / 00
313	B 28 B	1 / 52
	D 21 F	1 / 44
	D 21 H	11 / 00
	D 21 H	13 / 00
	D 21 H	15 / 00
	D 21 H	17 / 00
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	D 21 H	23 / 00
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	D 21 H	27 / 00
314	D 21 F	1 / 44
	D 21 F	1 / 46
	D 21 H	11 / 00
	D 21 H	13 / 00
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	D 21 H	23 / 00
	D 21 H	25 / 00
	D 21 H	27 / 00
315-317	D 21 F	1 / 00
318-319	D 21 F	1 / 04
	D 21 F	1 / 60
320	D 21 F	1 / 00
321	D 21 F	1 / 04
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322	D 21 F	1 / 00
323-333	D 21 F	1 / 04
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334-335	D 21 F	1 / 00
336-340	D 21 F	1 / 00
	D 21 F	1 / 06
341-342	D 21 F	1 / 18
343-347	D 21 F	1 / 06
348-349	D 21 F	1 / 10
350	D 21 F	1 / 24
351-352	D 21 F	1 / 10
	D 21 G	9 / 00
353	D 21 F	1 / 58
	D 21 G	9 / 00
354	D 21 F	1 / 00
355-356	D 21 F	1 / 18
357	D 21 F	1 / 60
358.1-360.3	D 21 F	3 / 00
361-362	D 21 H	11 / 00
	D 21 H	13 / 00
	D 21 H	15 / 00
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	D 21 H	19 / 00
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	D 21 H	23 / 00
	D 21 H	25 / 00
	D 21 H	27 / 00
	D 21 J	7 / 00
363-366	D 21 F	1 / 48
	D 21 F	3 / 10
367-372	D 21 F	3 / 10
373-374	D 21 F	1 / 48
375-376	D 21 F	5 / 00
377-379	D 21 D	
	D 21 J	3 / 00
380	D 21 H	23 / 00
381	D 21 F	5 / 18
	D 21 F	
382-395	D 21 J	3 / 00
	D 21 J	7 / 00
396-410	D 21 J	3 / 00
411-416	D 21 J	3 / 00
	D 21 J	7 / 00

U.S. CLASS 163
NEEDLE AND PIN MAKING

1	B 21 G	1 / 00
2-3	B 21 G	1 / 06
4	B 21 G	3 / 32
5	B 21 G	3 / 18
6	B 21 G	3 / 00
7	B 21 G	3 / 04

U.S. CLASS 164
METAL FOUNDING

1	B 22 C	
	B 22 D	11 / 06
	B 22 D	
2-3	B 41 C	3 / 02
	B 41 D	3 / 00
4.1	B 22 D	46 / 00
5-6	B 22 C	
5	B 22 C	5 / 18
	B 22 D	
6	B 22 D	7 / 10
7.1-7.2	B 22 C	9 / 00
	B 22 D	18 / 06
8	B 22 C	9 / 04
	B 22 D	7 / 02
9-11	B 22 D	19 / 00
12	B 22 C	9 / 12
13	B 22 C	7 / 00
14	B 22 C	3 / 00
15-17	B 22 C	9 / 00
18	B 22 C	25 / 00
19-21	B 22 C	15 / 20
22	B 22 C	9 / 18
23-24	B 22 C	1 / 00
23-29	B 22 C	9 / 00
30-32	B 22 C	9 / 10
33	B 22 C	9 / 12
34-36	B 22 C	9 / 02
37	B 22 C	15 / 00
38	B 22 C	15 / 28
39	B 22 C	15 / 10
40	B 22 C	15 / 00
44	B 22 C	9 / 00
45	B 22 C	7 / 00
46	B 22 D	23 / 00
47	A 01 H	5 / 02
	B 22 D	
48	B 22 D	27 / 02
53	B 22 D	23 / 00
54	B 23 K	23 / 00
55.1-59.1	B 22 D	27 / 00
61-65	B 22 D	27 / 15
66.1-67.1	B 22 D	23 / 00
68.1	B 22 D	27 / 00
69.1	B 22 D	29 / 00
70.1	B 22 D	31 / 00
71.1	B 22 D	27 / 08
72-74	B 22 C	3 / 00
	B 22 D	27 / 00
75	B 22 D	19 / 00
76.1	B 22 C	9 / 10
	B 22 D	
77	B 22 D	23 / 00
78	B 22 D	25 / 00
79	B 22 D	27 / 00
80	B 22 D	23 / 06
81	B 22 D	23 / 00
90	B 22 D	19 / 12
91	B 22 D	19 / 00
92.1	B 22 D	19 / 10
93-97	B 22 D	19 / 14
	B 22 D	19 / 16
	B 22 D	23 / 00
98-112	B 22 D	19 / 00
113-118	B 22 D	13 / 00
113	B 22 D	27 / 09
119	B 22 D	18 / 00
	B 22 D	27 / 13
120	B 22 D	18 / 02
	B 22 D	27 / 09
	B 22 D	27 / 11
121-126	B 22 D	27 / 04
121	B 22 D	
122-126	B 22 D	7 / 10
122	B 22 D	30 / 00
122.1	B 22 D	27 / 00
122.2	B 22 D	25 / 00
127	B 22 D	15 / 00
128	B 22 D	27 / 04
129-130	B 22 D	23 / 00
	B 22 D	47 / 00
131-132	B 22 D	29 / 00
133-136	B 22 D	1 / 00
	B 22 D	23 / 00
	B 22 D	35 / 00
	B 22 D	37 / 00
	B 22 D	39 / 00
137	B 22 D	33 / 04
138	B 22 C	1 / 00
	B 22 C	3 / 00
139-140	B 41 D	3 / 00
141	B 41 D	3 / 20
142	B 41 D	3 / 24
143	B 41 D	3 / 22
144-145	B 41 D	3 / 00
144	B 41 D	3 / 28
146-149	B 22 D	11 / 07
146	B 22 D	5 / 04
	B 41 C	
	B 41 D	
150.1-151.5	B 22 C	19 / 00
150.1-153	B 22 D	2 / 00
151	B 22 C	19 / 04
	B 22 C	25 / 00
	B 22 D	11 / 16
	B 22 D	13 / 12
	B 22 D	17 / 32
	B 22 D	18 / 08
	B 22 D	46 / 00
152-153	B 22 C	19 / 04
	B 22 C	25 / 00
	B 22 D	11 / 16
	B 22 D	13 / 12
	B 22 D	17 / 32
	B 22 D	18 / 08
	B 22 D	46 / 00
154.1-154.3	B 22 C	19 / 04
	B 22 D	46 / 00
154.4-154.5	B 22 D	11 / 16
	B 22 D	11 / 18
154.6	B 22 C	19 / 04
	B 22 D	46 / 00
154.7	B 22 D	11 / 16
	B 22 D	11 / 18
154.8	B 22 C	19 / 04
	B 22 D	46 / 00
155.1-155.7	B 22 C	19 / 04
	B 22 D	46 / 00
156.1-157	B 22 C	19 / 04
	B 22 D	46 / 00
157	B 22 C	25 / 00
	B 22 D	11 / 16
	B 22 D	13 / 12
	B 22 D	17 / 32
	B 22 D	18 / 08
	B 22 D	2 / 00
158	B 22 C	15 / 24