

100	TEXTILE PRODUCT FABRICATION OR TREATMENT	135	...With plural multiroller stations
101	.Cross laying by rotatable or revolving flyer	136	...Having plural superimposed beds
102	.Cross laying by divergent thread conveying members	137	...With compound roller motion
103	.Fiber entangling and interlocking	138	...By cylinder and opposed conforming bed
104	..By fluid jet needling or perforating	139	...By reciprocating member, e.g., platen
105	...Through backing and support members	140	.Of thread interlaced article or fabric
106	..To form perforations	141	..Splicing or repair
107	..Needling	142	..Endless or tubular fabric
108	...To chain entangle	143	..Article
109	...To form decorative article or fabric	144	...Chenille
110	...To form endless or tubular article or fabric	145	...Fringe
111	...Distinct needling stations	146	...By fraying or raveling
112	...With treatment	147	...Tuft, tassel or pompon
113	...With relative movement of needles	148	...Slit interlaced
114	...With compound motion of needles or supply	149	...By utilizing thread frame
115	...Needle or needle board feature	150	...Rosette or lace
116	..Compressive manipulation	151	...Woven
117	...To unite discrete articles or fabrics	152	....Warp and weft retention
118	...Tampon shaping	153	...Garment
119	...With ejecting	154	...Hosiery
120	...With string attaching	155	..Elastic or crepe fabric
121	..Compacted fiber article encasing	156	...By differential shrinkage
122	..With treatment	157	...Bias or diagonal thread orientation
123	...Of nonplanar article or fabric	158	..Multi-ply fabric
124	...While on form	159	..Pile fabric
125	...Coil or circular article manipulation	160	...Discontinuous or patterned surface
126	....By roller pocket	161	...Separable fastener type
127	.....With progressive feed	162	...Napped or teased
128	.....Discontinuous roller surface	163	..Ornamental or surface textured fabric
129	.....With curved or tapered contour	164	...By sewing
130	....By driven and opposed surfaces	165	..Treating
131	.....With compound movement of driven surface	166	...By pretreatment of component
132	.....Reciprocating or oscillating opposed surfaces	167	...By fluid contact
133	.....Internally of container	168	...To remove transitory component
134	...By multiroller manipulation	169	...Coating or dyeing
		170	...By cutting or transitory thread removal
		171	...By article or fabric disassembly
		172.1	WARP PREPARING OR HANDLING
		172.2	.With drawing or stretching
		173	.Clearing
		174	..Singeing
		175	.Chain formation or manipulation

176	..Wrapping or unwrapping	219	.Surface modification of running length
177	..Linking		
178	..With fluid treatment, e.g., sizing	220	..Diverse finishing operations
179	..With drying	221	...Including stuffer box texturing
180	...By noncontacting heating means	222	..Clearing
181	...With preseparation	223	...Combined clearing operations
182	..By immersion	224	....Gap or slot type
183	...With squeezing rollers	225	...With stopping
184	.Pattern setting	226	...Clamping, severing or shearing
185	..With means responsive to sensed condition	227	...By electronic or pneumatic detection of knot or slub
186	..Stopping	228	...By feeler engagement with knot or slub
187	...Electrical		
188	...By arrestable oscillator or vibrator	229	...By knot or slub biased wedging member
189	....Pivoted detector	230	....Arcuately contoured wedge
190	.Reeling or beaming	231	...By knot or slub deflecting slot
191	..Section building		
192	..Narrow warps	232	...By opposed, gap defining surfaces, e.g., stripping guide
193	..Supply replenishing		
194	..Tensioning means	233	....Selectively usable gaps
195	..Traversing	234	....Including toothed or serrated surface
196	..Having means contacting beamed warp sheet	235	....Adjustable slot forming surface
197	...Warp engaging drive means		
198	..Leasing	236	.....By eccentric mount
199	..By reed or comb	237	.....By pin and slot mount
200	..Having drive means	238	.....By internally threaded surface
201	.Machine replenishing		
202	..Warp selecting and separating	239	...By singeing
203.1	..Drawing	240	..Stretching apparatus
204	...Mechanical reeding	241	...Control means responsive to sensed condition
205	...Heddle or detector manipulation	242	...With stopping
206	....By indexing blade-type thread guide	243	...Variable denier
207	....By distortion of blade-type thread guide	244	...Progressively lengthening lateral path
207.1	...Hand implement	245	...Between spaced, differentially driven surfaces
208	..Warp end or machine element handling means	246	...With intermediate treating
209	..Uniting	247	..Texturing, e.g., crimping
210	...Twisting	248	...Control means responsive to sensed condition
211	...Tying		
212	.Thread guide, e.g., comb	249	...Temperature
213	..Expansible	250	...Plug or wad control
214	PILE TUFTING, PATTERN SETTING	251	....By alternation of drive
215	..With loom replenishing	252	...Discontinuous or irregular
216	PILE TUFTING, LOOM REPLENISHING	253	...By shifting thread or texturing device to or from contact
217	THREAD FINISHING		
218	..Fabrication-defabrication	254	...Jet feed to impact surface

255Plug impact surface
 256Traveling plug conveying
 means
 257Traveling impact surface
 258 ...Diverse texturing operations
 259 ...Asymmetric
 260By knife edge
 261With treating
 262 ...Axial compression
 263Stuffer box
 264Internal chamber retarder
 265With treating
 266Post treatment
 267By direct fluid application
 to chamber plug
 268Thread feeding feature
 269Nip roll mount or
 construction, e.g., wear plate
 270Including traversing
 271 ...Fluid jet
 272 ...With threading
 273 ...Flow restrictor type, e.g.,
 venturi, etc.
 274 ...Having orthogonally arranged
 flow paths
 275Opposed resonance chamber
 276Plural opposed fluid
 passageways
 277 ...Peening
 278 ...Shaping member
 279 ...Opposed intermeshing
 traveling members
 280Relatively movable sinkers
 281 ...Latent bulk or crimp
 development
 282 ..Tow opening or spreading
 283 ...By fluid
 284 ..Bobbin, cheese or cop
 285 ..With thermal treating
 286 ...Including bulking, crimping or
 shrinking
 287 ..Hank or skein
 288 ..With positive feed
 289 **PACKAGING**
 290 ..Wound package
 291 ..Hank or skein
 292 **BOBBIN STRIPPING**
 293 ..By unwinding
 294 ..Fluid assist or removal
 295 ..By cutting
 296 ..By stapilizing
 297 ..By axial removal of thread
 residue, e.g., slipping off
 298 ..Traveling stripping jaws

299 **MISCELLANEOUS**

FOREIGN ART COLLECTIONS

FOR **CLASS-RELATED FOREIGN DOCUMENTS**

