

200	STRAND STRUCTURE	248	..Particular cross section
201	.Endless bands	249	..Glass material
202	.Splices	250	..Coated impregnated
203	.Chenille	251	...Adhesively bonded
204	.Alternately twisted	252	.Staple fiber blends
205	..Crimped or bulked type	253	..Particular cross sections
206	.Longitudinal variation	254	..Crimped or bulked fibers
207	..Covered or wrapped type	255	..Synthetic material
208	..Crimped or bulked type	256	...With natural fibers
209	..Slub type	257	..Coated
210	.Covered or wrapped	258	.Coated or impregnated
211	..Plied	259	..Web material
212	..Wire wrapped	260	.Web material
213	...Plural wire wrapped layer	1 R	APPARATUS AND PROCESSES
214	....Stranded layers	2	.Stapilizing
215	....Including nonround cross section	2.3	.Untwisting with separating
216	....With core other than wire	2.5	..With component winding
217	....Coated or impregnated	3	.Covering or wrapping
218	...Stranded wire-wrapped layer	3.5	..With core substitution
219	....Including nonround cross section	4	..Hair, grass, quillstock or the like
220	....With core other than wire	5	..With loose fibers
221	....Coated or impregnated	6	..With other operations
222	...With core other than wire	7	...With coating or impregnating
223	..Coated or impregnated	8	...With powdered material incorporating
224	..Discrete fiber wrap	9	...With wire or strand preforming or shaping
225	..Elastomeric material core	10	..Stationary core type
226	..With crimped or bulked material	11	..Rotating core type
227	..Including crimped or bulked material	12	..With twisting of core or product
228	...Crimped or bulked core	13	..With plural strands
229	..Including glass material	14	...With cabling or doubling
230	..Plural wrapped layers	15	...In successive layers
231	..Stranded layer	16	...With coaxial covering material supply
232	..Coated or impregnated	17	...With coaxial covering material supply
233	...Web material	18	..With coaxial covering material supply
234	...Adhesively bonded	19	..With stopping or starting
235	..Web material	20	.Waxed ends
236	.Plied	21	.Endless bands
237	..Cabled or cord type (i.e., plied plies)	22	.Splicing
238	..Composite	23	..Implements
239	...Crimped or bulked	24	.Chenille
240	..Glass material	25	.Ends or hanks
241	..Coated or impregnated	26	..Double feature
242	...Adhesively bonded	27	...With reverse twist controller
243	.Multifilament yarns	28	.Hair, grass or the like
244	..Composite	29	..Curling hair
245	...Crimped or bulked	30	..Feeding
246	..Crimped or bulked		
247	...Twist crimped type		

31	.Web material	308	.Atmospheric conditioning
32	..With coating or impregnating	309	.Strand finishing or developing
33	.Hollow rope machines	310	.With stretching
261	.Piecing up	311	.With wire or strand preforming or shaping
262	..With traveler threading	58.3	.Skip type stranding machines
263	..On open-end machine	58.32	..With cradle driving or holding means
264	.Monitor and control	58.34	..With cradle supported by tube section joint and/or tube supporting or driving disc
265	.Monitor and record	58.36	..With strand guiding means
266	.Doffing or donning	58.38	...Rotating strand guide
267	..On cap or roving frame	58.49	.Unitary multiple twist devices
268	..Carriage	58.52	..With stranding or plying (e.g., doubling)
269	...With strand manipulation	58.54	...Plural multiple twist devices
270	...Bobbin or package manipulation	58.55	...Tandemly arranged
271	...Successive and individual type	58.57	..With false twist
272	....Ejector type	58.59	..With false twist
273	..Bottom lifting	58.61	..Plural co-axial loops
274	..Over end of bobbin	58.63	..Spaced, driven flyer members
275	..Bobbin graspers	58.65	..Take-up type
276	.With preparation for doffing- or donning-type operation	58.67	...With packaging by revolving strand guide and/or reciprocating package holder
277	..Rail positioning	58.68	...With slip connection between flyer drive and package
278	..Strand manipulation	58.7	..With strand feeding means
279	.Threading up	58.72	..With package control means
280	..On false twist type machines	58.74	...For vibration damping
281	.Package handling	58.76	...Magnetic
282	.Twist setting	58.78	...Gear
283	..With twist variation	58.79	....Friction type
284	..False twist crimp	58.81	...Gravity
285	...Intertwine type	58.83	..With strand guiding, guarding, or controlling means
286	...With coating or impregnating	58.84	...Including transitory strand- storage means
287	...With stretching	58.86	...Including tensioning means
288	....Simultaneous type	400	.Open end spinning
289	...Fluid jet type	401	..Friction
290	...Plural twisting or heating	402	..Electrostatic
291	...Operator accommodating frame arrangement	403	..Fluid
292	..With coating or impregnating	404	..Rotating chamber type
293	.Alternate twist	405	...With strand controlled stopping
294	..Accumulator type	406	...With housing for drive or support
295	.With coating or impregnating	407	....Having operator access
296	..On twisting device	408	...With fiber separating and/or feeding
297	..Strand bonding or adhesion	409	....Plural or variable feed
298	..Wet drafting		
299	.Transfer tail		
300	.Clearing		
301	..On open-end machine		
302	...Rotor		
303	..Strand winding		
304	..Pneumatic		
305	...Strand type		
306	..Strand accumulating or scavenging		
307	..Of traveler		

410	....Coaxial roll	330	...With self-contained drawing means
411	....With fluid flow controlling or directing	331	...Friction type
412	....With specific feed device for opening roll	332	.False twist device
413	....With specific rotor feed channel	333	..Having fluid jet twisting means
414	...Rotor with fiber accreting portion	334	..Friction type
415	....With fluid flow controlling or directing	335	...Revolving roll-pair type
416	....Specific wall configuration	336	...Having a frictional belt
417	....With specific yarn guiding device	337	...Having a frictional disc
59	.Delivery twist type	338	....On plural axes
60	..With twisting couple	339	.....With discs overlapping
61	..With stopping or starting	340	.....With nonperipheral surfaces of discs substantially abutting
62	..With winding	341	...Having a frictional tube, or a twisting head therefor, through which yarn passes
63	..With cabling	342	....Plural twist tubes
64	..With cabling	343	....Including mounting, support, or housing
65	..Planetary type	344	..Having a tube, or a twisting head therefor, through which yarn passes, with a yarn gripper
66	.Receiving twist type	345	...Plural tubes
66.5	..Rotating cradle package holder	346	...Including mounting, support, or housing
67	..Flier type	347	....Magnetic support
68	...With capstan	348	..Including mounting, support, or housing
70	...Bobbin lag or drag type	349	...Magnetic support
71	...With traversing strand guide or receiver	350	.With fluid jet
72	..Bobbin lag or drag type	351	.With other type crimping or texturing
73	..Spindle tip type	78	.Stopping or starting
74	..Cap type	79	..Traverse controlled
75	..Ring and traveler type	80	..Strand controlled
76	..Centrifugal pots and guides	81	...Electric
312	...With strand or package manipulation	82	...Twisting couple and feed
77	...With driving connections	83	...Feeding means stopping
313	.With rewinding	84	....Roll separating
314	.Stranding	85	....Strand shifting
315	.With drafting	86	....Severing
316	..Domestic	87	....With clamping
317	..Variable draft	88	..Spindle stopping
318	..False twist type	89	...Laterally movable spindle
319	..Intermittent	90	.Feeding
320	...Mule type	91	..Irregular
321	....Spindle drive control	92	.Driving
322	.....Quadrant	93	..Speed adjusting
323	.....Faller controlled	94	...Constant variation
324	....Faller control	95	....With traverse controlled variation
325	.....Copping rail	96	....Fly frame
326	....Feed control		
327	..With carding		
328	..False twist type		
329	...Interstage		

97 ...Drawing rollers
 98 ...Traverse controlled variation
 99 ..Traversing
 100 ..Electric
 101 ..Turbine
 102 ..Gear
 103 ...Friction
 104 ..Band
 105 ...Tensioning
 352 ..Strand guiding or guarding
 353 ..Catching or holding
 354 ..Separator or balloon limiter
 355 ...Having antifriction coating or material
 356 ...Readily removable or adjustable
 357 ...Having threading slot
 358 ..Threadboard
 359 ...Traversing
 360 ...With lifting means
 361 ..Lay head
 112 ..Elements
 113 ..Drag
 114 ..Nippers
 115 ..Fliers
 116 ...Unwinding type
 117 ...With pressers
 118 ...Ring and raceway type
 119 ..Rings and travelers
 120 ...With lubrication
 121 ...With guards or protectors
 122 ...With supporting, retaining or adjusting means
 123With bar type traveler
 124Rotating rings
 125 ...Travelers
 126Bar type
 127 ..Caps
 127.5 ..Delivering elements
 127.7 ...With adjustable package support
 129 ..Receiving elements
 130 ...Whirl driven
 131With yarn holding means
 132With spindle retaining means
 133With lubrication
 134Live spindle
 135Live spindle
 136 ..Rails, rail guides, and support
 137 ...Ring
 138 ..Dies and mandrels
 362 ..Processes
 1 UN ..Untwisting

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