

CPC**COOPERATIVE PATENT CLASSIFICATION****D01H**

SPINNING OR TWISTING (unwinding, paying-out, forwarding, winding or coiling filamentary material not intimately associated with spinning or twisting [B65H](#); cores, formers, supports or holders for coiled or wound material, e.g. bobbins [B65H](#); twisting oakum [D01G 35/00](#); crimping or curling of fibres, filaments or yarns [D02G 1/00](#); making chenille [D03D](#), [D04D 3/00](#); testing yarns, rovings, slivers, fibres, or fibre webs [G01](#))

Guidance heading: Kinds or types of spinning or twisting machines; Drafting machines or arrangements; Twisting arrangements

D01H 1/00

Spinning or twisting machines in which the product is wound-up continuously (open-end spinning machines [D01H 4/00](#); {doubling of yarns [B65H 54/00+T](#); doubled, plied or cabled threads [D02G 3/28](#), e.g. using hollow spindles [D02G 3/283](#); spin-twisting [D02G 3/281](#); threads with alternately "S" and "Z" direction of twist, e.g. self-twist process, [D02G 3/286](#); wrapping strands of filaments or staple fibres by a binder yarn [D02G 3/38](#)})

- D01H 1/003 . {Twisting machines in which twist is imparted from the supply packages, e.g. uptwist}
- D01H 1/006 . {Twisting machines in which twist is imparted at the paying-out and take-up stations}
- D01H 1/02 . ring type {(arrangements with two or more spinning or twisting devices in combination [D01H /90](#))}
- D01H 1/025 . . {with a condensing device between drafting system and spinning unit}
- D01H 1/04 . flyer type
- D01H 1/06 . cap type
- D01H 1/08 . cup, pot or disc type, in which annular masses of yarn are formed by centrifugal action
- D01H 1/10 . for imparting multiple twist, e.g. two-for-one twisting
- D01H 1/101 . . {in which multiple twist is imparted at the take-up stations}
- D01H 1/103 . . . {Two-for-one twisting}
- D01H 1/105 . . {Arrangements using hollow spindles, i.e. the yarns are running through the spindle of the unwound bobbins}
- D01H 1/106 . . . {Two-for-one twisting}
- D01H 1/108 {for two or more supply bobbins one on top of the other}
- D01H 1/11 . Spinning by false-twisting {(twisting by false-twisting [D01H 7/92](#); [D02G 3/28](#); increasing the strength of a roving or sliver by false-twisting [D01H 7/92](#), during drafting [D01H 5/28](#))}
- D01H 1/115 . . using pneumatic means
- D01H 1/14 . Details (drafting arrangements [D01H 5/00](#); twisting arrangements [D01H 7/00](#))

D01H 1/16	..	Framework; Casings; Coverings {Removal of heat; Means for generating overpressure of air against infiltration of dust; Ducts for electric cables}
D01H 1/162	...	{for ring type}
D01H 1/164	...	{for flyer type}
D01H 1/166	...	{for two-for-one type}
D01H 1/168	...	{Arrangements for the sound-dampening of the machines (in general G10K 11/00)}
D01H 1/18	..	Supports for supply packages
D01H 1/183	...	{Overhead suspension devices}
D01H 1/186	...	{for supplying from cans}
D01H 1/20	..	Driving or stopping arrangements (for open-end spinning machines D01H 4/12 , D01H 4/20 , D01H 4/42 ; safety devices D01H 13/14)
D01H 1/22	...	for rollers {of drafting machines; Roller speed control}(regulating or varying draft D01H 5/32)
D01H 1/24	...	for twisting {or spinning} arrangements, e.g. spindles (braking arrangements for spindles D01H 7/22 ; interrelated flyer and bobbin drive mechanisms D01H 7/50)
D01H 1/241	....	driven by belt
D01H 1/242	....	driven by toothed wheels
D01H 1/243	....	driven by friction discs
D01H 1/244	....	each spindle driven by an electric motor
D01H 1/26	....	with two or more speeds; with variable-speed arrangements
D01H 1/28	...	for two or more machine elements possessing different characteristics but in operative association
D01H 1/30	....	with two or more speeds; with variable-speed arrangements
D01H 1/305	.....	{Speed control of the spindles in response to the displacements of the ring rail}
D01H 1/32	...	for complete machines
D01H 1/34	....	with two or more speeds; with variable-speed arrangements {e.g. variation of machine speed according to growing bobbin diameter (responsive to reduction in material tension D01H 13/16)}
D01H 1/36	..	Package-shaping arrangements, e.g. building motions {e.g. control for the traversing stroke of ring rails; Stopping ring rails in a predetermined position}
D01H 1/365	...	{for flyer type}
D01H 1/38	..	Arrangements for winding reserve lengths of yarn on take-up packages {or spindles}, e.g. transfer tails
D01H 1/385	...	{Removing waste reserve lengths from spindles}
D01H 1/40	..	Arrangements for connecting continuously-delivered material to bobbins or the like
D01H 1/42	..	Guards or protectors for yarns or threads, e.g. separator plates, anti-ballooning devices (anti-ballooning devices on spindles D01H 7/18)
D01H 1/422	...	{Separator plates}
D01H 1/425	...	{Anti-ballooning rings}
D01H 1/427	...	{Anti-ballooning cylinders, e.g. for two-for-one twist machine (with combined cleaning effect D01H 11/00)}

D01H 3/00 Spinning or twisting machines in which the product is wound-up intermittently, e.g. mules

- D01H 3/02 . Details ([drafting arrangements D01H 5/00](#); [twisting arrangements D01H 7/00](#))
- D01H 3/04 .. Carriages; Mechanisms effecting carriage movements
- D01H 3/06 ... Carriages; Carriage rails; Squaring motions
- D01H 3/08 ... Drawing-out or taking-in motions
- D01H 3/10 ... Moving-creel arrangements, e.g. for twiners
- D01H 3/12 .. Package-shaping motions; Faller arrangements
- D01H 3/14 .. Roller-driving arrangements ([drafting arrangements of general application in spinning machines D01H 5/18](#))
- D01H 3/16 .. Spindle-driving arrangements ([spindles, spindle bearings, spindle supports D01H 7/04](#))
- D01H 3/18 ... Tin rollers; Driving arrangements intimately associated with tin rollers
- D01H 3/20 ... Spindle-driving arrangements during drawing-out or backing-off
- D01H 3/22 ... Spindle-driving arrangements during taking-in
- D01H 3/24 Quadrant motions; Nosing motions
- D01H 3/26 .. Driving or stopping arrangements not otherwise provided for; Locking motions ([safety devices D01H 13/14](#))[{Control of machines}](#)

D01H 4/00 Open-end spinning machines or arrangements for imparting twist to independently moving fibres separated from slivers; Piecing arrangements therefor; Covering endless core threads with fibres by open-end spinning techniques [{\(arrangements with two or more spinning or twisting devices of different types in combination D01H 7/90\)}](#)

NOTE

In this group, the expression "open-end spinning" covers such expressions as "break spinning", "ringless spinning", "rotor spinning" and "friction spinning", but does not cover the expression "spinning by false-twisting"

- D01H 4/02 . imparting twist by a fluid, e.g. air vortex
- D01H 4/04 . imparting twist by contact of fibres with a running surface
- D01H 4/06 .. co-operating with suction means ([D01H 4/08, D01H 4/16 take precedence](#))
- D01H 4/08 .. Rotor spinning, i.e. the running surface being provided by a rotor
- D01H 4/10 ... Rotors
- D01H 4/12 ... Rotor bearings; Arrangements for driving or stopping ([control therefor D01H 4/42](#))
- D01H 4/14 Rotor driven by an electric motor
- D01H 4/16 .. Friction spinning, i.e. the running surface being provided by a pair of closely spaced friction drums, e.g. at least one suction drum ([false twisting with friction drums D01H 1/11](#))

- D01H 4/18 . . . Friction drums, e.g. arrangement of suction holes
- D01H 4/20 . . . Drum bearings; Arrangements for driving or stopping ([control therefor D01H 4/42](#))
- D01H 4/22 . . . Cleaning of running surfaces
- D01H 4/24 . . . in rotor spinning
- D01H 4/26 . . . in friction spinning
- D01H 4/28 . . . using electrostatic fields
- D01H 4/30 . . . Arrangements for separating slivers into fibres; Orienting or straightening fibres, {e.g. using guide-rolls}
- D01H 4/32 . . . using opening rollers {(stopping of rovings or slivers [D01H 13/18](#))}
- D01H 4/34 . . . using air-jet streams
- D01H 4/36 . . . with means for taking away impurities
- D01H 4/38 . . . Channels for feeding fibres to the yarn forming region
- D01H 4/40 . . . Removing running yarn from the yarn forming region, e.g. using tubes
- D01H 4/42 . . . Control of driving or stopping
- D01H 4/44 . . . in rotor spinning
- D01H 4/46 . . . in friction spinning
- D01H 4/48 . . . Piecing arrangements; Control therefor {(stopping roving [D01H 13/18](#))}
- D01H 4/50 . . . for rotor spinning
- D01H 4/52 . . . for friction spinning
- D01H 5/00** **Drafting machines or arrangements** {Threading of roving into drafting machine}{arrangements in which draft is dependent on linear movement of take-up spindles, e.g. in mules, [D01H 3/00](#); devices for combing or orienting fibres for open-end spinning machines [D01H 4/30](#); {increasing the strength of a roving or sliver by false-twisting [D01H 7/92](#), during drafting [D01H 5/28](#), after drafting and before spinning according to groups [D01H 1/02](#) to [D01H 1/08](#), [D01H 7/90](#); depositing materials in cans after drafting [B65H 54/76 + T](#)}
- D01H 5/005 . . . {Arrangements for feeding or conveying the slivers to the drafting machine}
- D01H 5/02 . . . Gill boxes or other drafting machines employing fallers or like pinned bars ([lubricating fibres in gill boxes D01G 29/00](#))
- D01H 5/04 . . . with pinned bars actuated by screw members
- D01H 5/06 . . . Intersecting gill boxes
- D01H 5/08 . . . with bars connected by links, chains, or the like
- D01H 5/10 . . . with pinned bars unconnected with each other but actuated through pressure of one against another
- D01H 5/12 . . . Details
- D01H 5/14 . . . Pinned bars

- D01H 5/16 . . . Framework; Casings; Coverings
- D01H 5/18 . Drafting machines or arrangements without fallers or like pinned bars
- D01H 5/20 . . in which fibres are controlled by contact with stationary or reciprocating surfaces
- D01H 5/22 . . in which fibres are controlled by rollers only
- D01H 5/24 . . . with porcupines or like pinned rotary members
- D01H 5/26 . . in which fibres are controlled by one or more endless aprons
- D01H 5/28 . . in which fibres are controlled by inserting twist during drafting ([spinning by false-twisting D01H 1/11](#); [mules D01H 3/00](#); [twisting by false-twisting D01H 7/92](#); [constructions of false-twist devices D02G 1/04](#))
- D01H 5/30 . . incorporating arrangements for severing continuous filaments, e.g. in direct spinning ([converting tows to slivers or yarns D01G 1/06](#))
- D01H 5/32 . . Regulating or varying draft
- D01H 5/34 . . . by manual adjustments
- D01H 5/36 . . . according to a pre-arranged pattern, e.g. to produce slubs
- D01H 5/38 . . . in response to irregularities in material; [{Measuring irregularities}](#)
- D01H 5/385 [{employing hydraulic or pneumatic time-delay devices}](#)
- D01H 5/40 employing mechanical time-delay devices
- D01H 5/42 employing electrical time-delay devices
- D01H 5/44 . . Adjusting drafting elements, e.g. altering ratch
- D01H 5/46 . . Loading arrangements
- D01H 5/48 . . . using weights
- D01H 5/50 . . . using springs
- D01H 5/505 [{for top roller arms}](#)
- D01H 5/52 . . . using fluid pressure
- D01H 5/525 [{for top roller arms}](#)
- D01H 5/54 . . . using magnetic arrangements
- D01H 5/56 . . Supports for drafting elements ([saddles or top roller arms forming essential components of weighting arrangements D01H 5/48](#))
- D01H 5/565 . . . [{Top roller arms}](#)
- D01H 5/58 . . Arrangements for traversing drafting elements ([traversing arrangements for roving guides D01H 13/06](#))
- D01H 5/60 . . Arrangements maintaining drafting elements free of fibre accumulations
- D01H 5/62 . . . Non-rotary cleaning pads or plates; Scrapers
- D01H 5/625 [{in cooperation with suction or blowing means}](#)
- D01H 5/64 . . . Rollers or aprons with cleaning surfaces
- D01H 5/645 [{in cooperation with suction or blowing means}](#)
- D01H 5/66 . . . Suction devices [{exclusively; \(D01H 5/625 and D01H 5/645 take precedence; in cooperation with thread breakage detecting means D01H 13/1691\)}](#)
- D01H 5/68 Suction end-catchers
- D01H 5/70 . . Constructional features of drafting elements

D01H 5/72	...	Fibre-condensing guides (guides for slivers, rovings, or yarns applicable solely for spinning, twisting, curling, or crimping purposes D01H 13/04 ; {combined with false twisting before drafting or before spinning according to groups D01H 1/02 to D01H 1/08 : D01H 7/92 })
D01H 5/74	...	Rollers {or roller bearings}
D01H 5/76	....	Loose-boss assemblies
D01H 5/78	....	with flutes or other integral surface characteristics
D01H 5/80	....	with covers; Cots or covers
D01H 5/82	....	Arrangements for coupling roller sections
D01H 5/84	....	Porcupines
D01H 5/86	...	Aprons; Apron supports; Apron tensioning arrangements
D01H 5/88	....	Cradles; Tensors

D01H 7/00 **Spinning or twisting arrangements** ([for open-end spinning D01H 4/00](#))

D01H 7/02	.	for imparting permanent twist
D01H 7/04	..	Spindles ({ bearings for hollow spindles D01H 7/88 }; spindle bearings, supports therefor, in general F16C)
D01H 7/041	...	{ Spindles with sliding contact bearings (D01H 7/045 takes precedence) }
D01H 7/042	...	{ Spindles with rolling contact bearings (D01H 7/045 takes precedence) }
D01H 7/044	...	{ Spindles with fluid bearings }
D01H 7/045	...	{ Spindles provided with flexible mounting elements for damping vibration or noise, or for avoiding or reducing out-of-balance forces due to rotation (in general F16F 15/00) }
D01H 7/047	....	{with springs }
D01H 7/048	....	{with means using plastic deformation of members }
D01H 7/06	...	Stationary spindles with package-holding sleeves
D01H 7/08	...	Mounting arrangements
D01H 7/10	....	Spindle supports; Rails; Rail supports, e.g. poker guides
D01H 7/12	....	Bolsters; Bearings
D01H 7/14	....	Holding-down arrangements
D01H 7/16	...	Arrangements for coupling bobbins or like to spindles
D01H 7/18	...	Arrangements on spindles for suppressing yarn balloons (thread guards or protectors D01H 1/42)
D01H 7/20	...	Lubricating arrangements
D01H 7/22	...	Braking arrangements
D01H 7/2208	....	{using mechanical means }
D01H 7/2216	.....	{with one or two manually actuated shoe-brakes acting on a part of the whorl }
D01H 7/2225	.....	{the braking means surrounding nearly the whole periphery of the whorl }
D01H 7/2233	.....	{by suppressing the driving means, e.g. by declutching }
D01H 7/2241	.....	{the belt being moved off the driven whorl }

D01H 7/225	.....	{and the spindle being braked simultaneously}
D01H 7/2258	.....	{the pivoted spindle being pulled off the belt}
D01H 7/2266	.....	{and braked simultaneously}
D01H 7/2275	....	{using hydraulically or pneumatically operated brakes}
D01H 7/2283	....	{using electromagnetically operated brakes}
D01H 7/2291	....	{characterised by the control of braking means, e.g. operated by a yarn break-detector or tension device}
D01H 7/24	..	Flyer or like arrangements (multiple-twist arrangements D01H 7/86)
D01H 7/26	...	Flyer constructions
D01H 7/28	....	arranged to guide material over exterior of legs
D01H 7/30	....	with guide channels formed in legs, e.g. slubbing flyers
D01H 7/32	.....	with pressing devices
D01H 7/34	....	with haul pulleys or like arrangements
D01H 7/36	....	with traversing devices
D01H 7/38	....	Ring flyers
D01H 7/40	...	Flyer supports, e.g. rails
D01H 7/42	...	Arrangements coupling flyers to spindles
D01H 7/44	...	Drag arrangements for bobbins or flyers
D01H 7/46	...	Devices attached to, or integral with, flyers for temporarily increasing twist in material passing to them
D01H 7/48	...	Eyes or like guiding arrangements (D01H 7/46 takes precedence)
D01H 7/50	...	Interrelated flyer and bobbin drive mechanisms, e.g. winding-on motions for cotton-roving frames ({ variation of machine speed according to growing bobbin diameter D01H 1/34 }; package-building mechanisms D01H 1/36)
D01H 7/52	..	Ring-and-traveller arrangements
D01H 7/54	...	with fixed rings
D01H 7/56	...	with freely-rotatable rings; with braked or dragged rings; { Lubricating arrangements therefor }
D01H 7/565	.....	{with fluid bearings }
D01H 7/58	...	with driven rings; { Bearings or braking arrangements therefor }
D01H 7/585	.....	{by fluid driving means }
D01H 7/60	...	Rings or travellers; Manufacture thereof not otherwise provided for (hand tools for applying travellers to rings D01H 17/02){ Cleaning means for rings }
D01H 7/602	....	{Rings }
D01H 7/604	....	{Travellers }
D01H 7/606	.....	{Driving means for travellers }
D01H 7/608	.....	{Cleaning means for travellers }
D01H 7/62	...	Arrangements providing lubricant for travellers
D01H 7/64	...	Ring supports, e.g. ring rails (poker guides or other rail supports D01H 7/10)
D01H 7/66	..	Cap arrangements
D01H 7/68	...	Cap constructions
D01H 7/70	...	Arrangements for supporting caps on spindles

- D01H 7/72 . . . Bobbin-supporting arrangements, e.g. bobbin rails ([poker guides or other rail supports D01H 7/10](#))
- D01H 7/74 . . . Cup or like arrangements
- D01H 7/76 . . . Rotary discs
- D01H 7/78 . . . Constructions of cups, e.g. spinning boxes
- D01H 7/80 adapted to collect wet yarns
- D01H 7/82 . . . Casings or guards for rotary cups or the like
- D01H 7/84 . . . Spindles or yarn carriers for co-operation with rotary cups ([removing yarn from centrifugal cups on to yarn carriers D01H 9/06](#))
- D01H 7/86 . . . Multiple-twist arrangements, e.g. two-for-one twisting devices {[Threading of yarn; Devices in hollow spindles for imparting false twist](#)}
- D01H 7/862 . . . {[Arrangements for holding the bobbin in a fixed position](#)}
- D01H 7/864 . . . {[Coupling devices between the fixed and the rotative parts](#)}
- D01H 7/866 . . . {[Means to facilitate the unwinding of yarn](#)}
- D01H 7/868 . . . {[Yarn guiding means, e.g. guiding tubes](#)}
- D01H 7/88 . . . Hollow-spindle arrangements ([D01H 7/86 takes precedence](#))
- D01H 7/90 . . . Arrangements with two or more {[spinning or](#)} twisting devices {[of different types](#)} in combination ({[D01H 1/006](#)}, [D01H 7/86](#), [D01H 7/88](#) take precedence)

- D01H 7/92 . . . for imparting transient twist {i.e. [false twist D01H 1/11](#) takes precedence}
- D01H 7/923 . . . {[by means of rotating devices](#)}
- D01H 7/926 . . . {[by means of traversing devices](#)}

Guidance heading: **Common features or details of, or accessories for, spinning or twisting machines of various kinds or types** ([drafting arrangements D01H 5/00](#); [twisting arrangements D01H 7/00](#))

- D01H 9/00** **Arrangements for replacing or removing bobbins, cores, receptacles, or completed packages at paying-out or take-up stations** ([arrangements of general interest in the winding of filamentary material B65H 67/00](#)){ ; [Combination of spinning-winding machine](#)}

- D01H 9/001 . . {[Bobbin-taking arrangements](#)}
- D01H 9/003 . . {[Graspers operating under the action of a fluid](#)}

- D01H 9/005 . . {[for removing empty packages or cans and replacing by completed \(full\) packages or cans at paying-out stations; also combined with piecing of the roving](#)}
- D01H 9/006 . . {[for two-for-one twist type machines](#)}
- D01H 9/008 . . {[for cans](#)}

- D01H 9/02 . . . for removing completed take-up packages and replacing by bobbins, cores, or receptacles at take-up stations; Transferring material between adjacent full and empty take-up elements
- D01H 9/04 . . . Doffing arrangements integral with spinning or twisting machines
- D01H 9/043 . . . {[for cap type machines](#)}

- D01H 9/046 . . . {for flyer type machines}
- D01H 9/06 . . . Removing yarn from centrifugal cups on to yarn carriers
- D01H 9/08 . . . Doffing arrangements independent of spinning or twisting machines
- D01H 9/10 . . . Doffing carriages; {Loading carriages with cores}
- D01H 9/12 . . . Manual cop-tube applying apparatus; Stands for cop-tube applying apparatus
- D01H 9/14 . . . for preparing machines for doffing of yarns, {e.g. raising cops prior to removal}(stop motions responsive to delivery of a measured length of material [D01H 13/24](#))
- D01H 9/16 . . . Yarn-severing arrangements, {e.g. for cutting transfer tails; Separating of roving in flyer}

- D01H 9/18 . . . for supplying bobbins, cores, receptacles, or completed packages to, or transporting from, paying-out or take-up stations ([D01H 9/10](#) takes precedence); {Arrangements to prevent unwinding of roving from roving bobbins (transporting full yarn bobbins to subsequent machines [B65H 67/06+T](#))}
- D01H 9/182 . . . {Overhead conveying devices}
- D01H 9/185 . . . {Transporting cans}
- D01H 9/187 . . . {on individual supports, e.g. pallets}

- D01H 11/00** **Arrangements for confining or removing dust, fly, or the like** (cleaning of running surfaces in open-end spinning machines [D01H 4/22](#); separation in general [B01D](#); cleaning in general [B08B](#); air-conditioning [F24F](#), e.g. by filtering [F24F 3/16](#))

- D01H 11/001 . . . {Hand tools used for cleaning the machines}
- D01H 11/003 . . . {with a rotary pin}

- D01H 11/005 . . . {with blowing and/or suction devices (in general [A47L 7/00](#); in cooperation with thread breakage detecting means [D01H 13/1691](#))}
- D01H 11/006 . . . {travelling along the machines}

- D01H 11/008 . . . {with static field means}

- D01H 13/00** **Other common constructional features, details or accessories** (for open-end spinning [D01H 4/00](#))

- D01H 13/005 . . . {Service carriages travelling along the machines (characteristics relating to the apparatus supported by the carriage, see relevant groups, e.g. [D01H 9/005](#), [D01H 9/10](#), [D01H 13/145](#), [D01H 15/00](#))}

- D01H 13/02 . . . Roller arrangements not otherwise provided for

- D01H 13/04 . . . Guides for slivers, rovings, or yarns; Smoothing dies (fibre-condensing guides [D01H 5/72](#); {means to facilitate the unwinding of yarn in multiple-twist arrangements [D01H 7/866](#)})
- D01H 13/045 . . . {Guide tube}
- D01H 13/06 . . . Traversing arrangements

- D01H 13/08 . . . Twist arresters

- D01H 13/10 . Tension devices
- D01H 13/102 .. {Regulating tension by regulating delivery of yarn from supply package (D01H 13/108 takes precedence)}
- D01H 13/104 .. {Regulating tension by devices acting on running yarn and not associated with supply or take-up devices}
- D01H 13/106 ... {for double-twist spindle}
- D01H 13/108 .. {Regulating tension by regulating speed of driving mechanisms of unwinding, paying-out, forwarding, winding or depositing devices, e.g. automatically in response to variations in tension}

- D01H 13/12 . Arrangements preventing snarls or inadvertent doubling of yarns (suction end-catchers D01H 5/68)

- D01H 13/14 . Warning or safety devices, e.g. automatic fault detectors, stop motions; { Monitoring the entanglement of slivers in drafting arrangements}; safety devices of general application F16P; indicating devices of general application G08B
- D01H 13/145 .. {set on carriages travelling along the machines; Warning or safety devices pulled along the working unit by a band or the like}
- D01H 13/16 .. responsive to reduction in material tension, failure of supply, or breakage, of material
- D01H 13/1608 ... {where the paying-out and take-up stations are stopped at one and the same time}
- D01H 13/1616 ... {characterised by the detector}
- D01H 13/1625 {Electro-mechanical actuators}
- D01H 13/1633 {Electronic actuators}
- D01H 13/1641 {Capacitor sensing means}
- D01H 13/165 {Photo-electric sensing means}
- D01H 13/1658 {Associated actuators with mutual actuation, e.g. for two or more running yarns}
- D01H 13/1666 {Lighting or luminous devices making easier the setting of the breakage of yarns}
- D01H 13/1675 {Pencil of rays on side of machines}
- D01H 13/1683 {Pneumatic sensing means}
- D01H 13/1691 ... {Thread breakage detector means associated with pneumatic cleaning devices, e.g. suction of broken end of yarn}

- D01H 13/18 ... stopping supply only
- D01H 13/181 {by stopping supply packages}
- D01H 13/182 {by raising or lifting of one of the drafting cylinders, e.g. by removing of the loading means}
- D01H 13/183 {the yarn moving out of its normal path, e.g. by lateral diverting}
- D01H 13/185 {a plate moving in the nip of drafting or guiding cylinders}
- D01H 13/186 {guiding or drafting cylinders moving by gravity when a yarn breakage occurs}
- D01H 13/187 {using means stopping the driving of the drafting, guiding cylinders, e.g. friction clutches}

D01H 13/188	. . . . {by cutting or clamping yarns or rovings}
D01H 13/20	. . responsive to excessive tension or irregular operation of apparatus
D01H 13/22	. . responsive to presence of irregularities in running material
D01H 13/24	. . responsive to delivery of a measured length of material, completion of winding of a package or filling of a receptacle
D01H 13/26	. Arrangements facilitating the inspection or testing of yarns or the like in connection with spinning or twisting
D01H 13/28	. Heating or cooling arrangements {for yarns (removal of heat from machines D01H 1/16)}
D01H 13/30	. Moistening, sizing, oiling, waxing, colouring, or drying yarns or the like as incidental measures during spinning or twisting
D01H 13/302	. . {Moistening, e.g. for wet spinning}
D01H 13/304	. . {Conditioning during spinning or twisting (for carding or combing D01G 99/005)}
D01H 13/306	. . {by applying fluids, e.g. steam or oiling liquids}
D01H 13/308	. . {by applying solids, e.g. wax}
D01H 13/32	. Counting, measuring, recording or registering devices (in general, see the appropriate subclass of Section G, e.g. { G01B 21/12 , G01N 33/36 })
D01H 15/00	Piecing arrangements (for open-end spinning machines D01H 4/48 ; in machines for producing textile fabrics, see the appropriate subclasses); {Automatic end-finding, e.g. by suction and reverse package rotation; Devices for temporarily storing yarn during piecing (piecing of rovings in combination with replacing of completed packages or cans D01H 9/005)}
D01H 15/002	. {for false-twisting spinning machines}
D01H 15/004	. {for centrifugal spinning machines}
D01H 15/007	. for two-for-one twisting machines
D01H 15/013	. Carriages travelling along the machines
D01H 17/00	Hand tools (cop-tube applying apparatus D01H 9/12)
D01H 17/02	. Arrangements for storing ring travellers; Devices for applying travellers to rings
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D01H 2700/00	Spinning or twisting machines; Drafting devices
D01H 2700/01	. Preparatory spinning machines
D01H 2700/20	. Spinning mules; Transmissions
D01H 2700/202	. . Carriages or their movement; Lubrication

- D01H 2700/205 . . Spindles or spindle control in spinning mules
- D01H 2700/207 . . Yarn delivery rollers; Drawing systems for spinning mules; Silver rollers
- D01H 2700/21 . Piecing or cleaning in spinning mules
- D01H 2700/22 . Winding devices for spinning mules
- D01H 2700/24 . Spinning or twisting machines of different kinds
- D01H 2700/242 . . Spinning or twisting devices wherein twist is created during winding
- D01H 2700/245 . Conception or fabrication of drafting cylinders
- D01H 2700/247 . Guiding means for veil or sliver on drafting systems