

**ECLA****EUROPEAN CLASSIFICATION****D01G**

**PRELIMINARY TREATMENT OF FIBRES, e.g. FOR SPINNING**  
 (winding or unwinding, conducting or guiding laps, webs, slivers or rovings in general, sliver or roving cans, depositing in sliver or roving cabs B65H; preparation of fibres for paper-making D21)

**Note**

Attention is drawn to the note following the title of Class D01.

**D01G1/00**

**Severing continuous filaments or long fibres, e.g. stapling**

- D01G1/02 . to form staple fibres not delivered in strand form
- D01G1/02A . . [N: by solvents]
- D01G1/02B . . [N: by thermic means, e.g. laser]
- D01G1/02B2 . . . [N: by freezing]
- D01G1/04 . . by cutting
- D01G1/06 . Converting tows to slivers or yarns, e.g. in direct spinning ([drafting arrangements](#), [twisting arrangements D01H](#))
- D01G1/08 . . by stretching or abrading
- D01G1/08A . . . [N: with preferential breaking zones]
- D01G1/08A1 . . . . [N: obtained by mechanical means, e.g. by squeezing]
- D01G1/08A2 . . . . [N: obtained by thermic means]
- D01G1/08A2A . . . . . [N: by freezing]
- D01G1/08A3 . . . . [N: obtained by electric or electro-static means]
- D01G1/10 . . by cutting

**D01G3/00**

**Roughening of fibres**

**D01G5/00**

**Separating, e.g. sorting, fibres** ([separating fibres of differing lengths in silk-dressing machines D01G17/00](#); [in combing machines D01G19/00](#))

**D01G7/00**

**Breaking or opening fibre bales**

- D01G7/02 . by means of beater arms
- D01G7/04 . by means of toothed members
- D01G7/06 . Details of apparatus or machines
- D01G7/08 . . Arrangements for feeding bales to comminuting elements
- D01G7/10 . . Arrangements for discharging fibres
- D01G7/12 . . Framework; Casings; Coverings; Grids
- D01G7/14 . . Driving arrangements

- D01G9/00**      **Opening or cleaning fibres, e.g. scutching cotton** (scutching flax or like fibres [D01B](#); making cellulose wadding in papermaking machines [D21F11/14](#))
- [D01G9/02](#)      . by agitation within a moving receptacle
- [D01G9/04](#)      . by means of beater arms
- [D01G9/06](#)      . by means of toothed members
- [D01G9/08](#)      . by means of air draught arrangements
- [D01G9/10](#)      . . using foraminous cylinders (foraminous suction cylinders for lap-forming [D01G25/00](#))
- [D01G9/12](#)      . Combinations of opening or cleaning machines
- [D01G9/14](#)      . Details of machines or apparatus
- [D01G9/16](#)      . . Feeding arrangements (fibre-feeding apparatus of general application in fibre-treating machines [D01G23/00](#))
- [D01G9/18](#)      . . Arrangements for discharging fibres
- [D01G9/20](#)      . . Framework; Casings; Coverings; Grids
- [D01G9/22](#)      . . Driving arrangements
- D01G11/00**      **Disintegrating fibre-containing articles to obtain fibres for re-use**
- [D01G11/02](#)      . Opening, unravelling, or teasing ropes or like fibrous strands to obtain fibres for re-use
- [D01G11/04](#)      . Opening rags to obtain fibres for re-use (mechanical treatment of rags for paper-making [D21B](#))
- D01G13/00**      **Mixing, e.g. blending, fibres; Mixing non-fibrous materials with fibres (mixing of fibres combined with other operations, e.g. bale-breaking of fibre-opening, see appropriate groups for such operations)**
- D01G15/00**      **Carding machines or accessories; Card clothing; Burr-crushing or removing arrangements associated with carding or other preliminary-treatment machines (de-burring apparatus or machines operating independently [D01B](#))**
- [D01G15/02](#)      . Carding machines
- [D01G15/04](#)      . . with worker and stripper or like rollers operating in association with a main cylinder
- [D01G15/06](#)      . . . Garnett machines
- [D01G15/08](#)      . . with flats or like members or endless card sheets operating in association with a main cylinder
- [D01G15/10](#)      . . with other apparatus, e.g. drafting devices, in integral or closely-associated combination (web-dividing apparatus [D01G15/46](#); burr-crushing or removing arrangements [D01G15/94](#))
- [D01G15/12](#)      . . Details
- [D01G15/14](#)      . . . Constructional features of carding elements, e.g. for facilitating attachment of

		card clothing
D01G15/16	. . . .	Main cylinders; Breasts
D01G15/18	. . . .	Workers; Strippers; Doffers ( <a href="#">doffers specially adapted for web dividing D01G15/54</a> )
D01G15/20	. . . .	Feed rollers; Takers-in
D01G15/22	. . . .	Fancies
D01G15/24	. . . .	Flats or like members
D01G15/26	. . . .	Arrangements or disposition of carding elements
D01G15/28	. . . .	Supporting arrangements for carding elements; Arrangements for adjusting relative positions of carding elements
D01G15/30	. . . .	Bends
D01G15/32	. . . .	Framework; Casings; Coverings
D01G15/34	. . . .	Grids; Dirt knives; Angle blades
D01G15/36	. . . .	Driving or speed control arrangements
D01G15/38	. . . .	for use during the grinding of card clothing
D01G15/40	. . . .	Feeding apparatus ( <a href="#">fibre-feeding apparatus of general application to fibre-treating machines, e.g. hopper feeders D01G23/00</a> )
D01G15/42	. . . .	Feeding from laps
D01G15/44	. . . .	Intermediate feeds
D01G15/46	. . . .	Doffing or like arrangements for removing fibres from carding elements; Web-dividing apparatus; Condensers ( <a href="#">lap-forming devices D01G25/00</a> ; <a href="#">fibre condensing guides D01H5/72</a> )
D01G15/46A	. . . .	[N: <a href="#">Doffing arrangements for removing fibres using, or cooperating with, pneumatic means</a> ]
D01G15/48	. . . .	Stripping-combs
D01G15/50	. . . .	Stripping-rollers or like devices
D01G15/52	. . . .	Web-dividing arrangements
D01G15/54	. . . . .	employing doffers specially adapted for web dividing
D01G15/56	. . . . .	employing tapes
D01G15/58	. . . . .	Sliver or like rubbing apparatus
D01G15/60	. . . . .	Constructions of rubbing leathers
D01G15/62	. . . . .	Slubbing-winding apparatus (winding apparatus of general application to the winding of filamentary material B65H)
D01G15/64	. . . . .	Drafting or twisting apparatus associated with doffing arrangements or with web-dividing apparatus
D01G15/66	. . . . .	with arrangements inserting false twist ( <a href="#">false-twist devices D01H</a> )
D01G15/68	. . . . .	with arrangements inserting permanent twist, e.g. spinning
D01G15/70	. . . .	Arrangements for producing decorative or fancy effects in products
D01G15/72	. . . .	Arrangements for returning waste to be re-carded
D01G15/74	. . . .	Air draught arrangements ( <a href="#">air draught arrangements for stripping or for removing dust or fly D01G15/76</a> )
D01G15/76	. . . .	Stripping or cleaning carding surfaces; Maintaining cleanliness of carding area
D01G15/76A	. . . .	[N: <a href="#">by suction or blowing (D01G15/78A, D01G15/80A, D01G15/82A take precedence)</a> ]

D01G15/76B	. . [N: Cleaning hand tools]
D01G15/78	. . Arrangements for stripping flats
D01G15/78A	. . . [N: by suction or blowing]
D01G15/80	. . Arrangements for stripping cylinders or rollers
D01G15/80A	. . . [N: by suction or blowing]
D01G15/82	. . Arrangements for confining or removing dust, fly or the like
D01G15/82A	. . . [N: by suction or blowing]
D01G15/84	. Card clothing; Manufacture thereof not otherwise provided for ( <a href="#">arrangements for driving carding-machine elements during grinding D01G15/38; grinding card clothing B24B</a> )
D01G15/86	. . with flexible non-metallic backing
D01G15/88	. . formed from metal sheets or strips
D01G15/90	. . Lags, e.g. for jute cards
D01G15/92	. . Attaching card clothing to carding elements
D01G15/94	. Burr-crushing or removing arrangements
D01G15/96	. . Burr-crushing rollers
D01G15/98	. . Morel or like apparatus
<b>D01G17/00</b>	<b>Silk-dressing machines</b>
<b>D01G19/00</b>	<b>Combing machines</b>
D01G19/02	. with pinned circles, e.g. Noble
D01G19/04	. with pinned cylinders, e.g. rectilinear
D01G19/06	. Details
D01G19/08	. . Feeding apparatus
D01G19/10	. . Construction, mounting, or operating features of combing elements
D01G19/10B	. . . [N: Combing cylinders (needle bars <a href="#">D01H5/14</a> )]
D01G19/12	. . Devices for laying or holding fibres in combs, e.g. dabbing brushes
D01G19/14	. . Drawing-off and delivery apparatus
D01G19/16	. . . Nipper mechanisms
D01G19/18	. . . Roller, or roller and apron, devices, e.g. operating to draw-off fibres continuously
D01G19/20	. . . . operating to draw-off fibres intermittently
D01G19/22	. . Arrangements for removing, or disposing of, noil or waste
D01G19/24	. . Framework; Casings; Coverings
D01G19/26	. . Driving arrangements
D01G19/28	. . Air draught or like pneumatic arrangements
D01G19/30	. . Heating arrangements
<b>D01G21/00</b>	<b>Combinations of machines, apparatus, or processes, e.g. for continuous processing (<a href="#">D01G1/06</a>, <a href="#">D01G9/12</a>, <a href="#">D01G15/46</a>, <a href="#">D01G15/94</a> take precedence)</b>

<b>D01G23/00</b>	<b>Feeding fibres to machines; Conveying fibres between machines</b> ( <a href="#">D01G21/00</a> takes precedence; intermediate feeds in carding machines <a href="#">D01G15/40</a> )
D01G23/02	<ul style="list-style-type: none"> <li>Hoppers; Delivery shoots</li> </ul>
D01G23/04	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with means for regulating rate of feed</li> </ul> </li> </ul>
D01G23/04B	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>[N: by successive weighing; Weighing hoppers]</li> </ul> </li> </ul> </li> </ul>
D01G23/06	<ul style="list-style-type: none"> <li>Arrangements in which a machine or apparatus is regulated in response to changes in the volume or weight of fibres fed, e.g. piano motions (<a href="#">arrangements in which draft is regulated in response to irregularities in fibre supply</a> <a href="#">D01H</a>)</li> </ul>
D01G23/08	<ul style="list-style-type: none"> <li>Air draught or like pneumatic arrangements</li> </ul>
<b>D01G25/00</b>	<b>Lap-forming devices not integral with machines specified above</b> ( <a href="#">forming mats or batts of continuous filaments for non-woven fabrics</a> <a href="#">D04H</a> )
<b>D01G27/00</b>	<b>Lap- or sliver-winding devices, e.g. for products of cotton scutchers, jute cards, or worsted gill boxes</b>
D01G27/02	<ul style="list-style-type: none"> <li>with lap-roll or the like loaded to provide firm packages</li> </ul>
D01G27/04	<ul style="list-style-type: none"> <li>with automatic discharge of lap-roll or the like</li> </ul>
<b>D01G29/00</b>	<b>Arrangements for lubricating fibres, e.g. in gill boxes</b> ( <a href="#">processes involving the use of particular lubricants</a> <a href="#">D06M15/00</a> )
<b>D01G31/00</b>	<b>Warning or safety devices, e.g. automatic fault detectors, stop motions</b> ( <a href="#">safety devices of general application</a> <a href="#">F16P</a> ; <a href="#">indicating devices of general application</a> <a href="#">G08B</a> )
D01G31/00B	<ul style="list-style-type: none"> <li>[N: Detection and removal of impurities] [N0206]</li> </ul>
D01G31/00D	<ul style="list-style-type: none"> <li>[N: On-line measurement and recording of process and product parameters] [N0206]</li> </ul>
<b>D01G33/00</b>	<b>Hand tools for treatment of fibres</b>
<b>D01G35/00</b>	<b>Treatment of oakum</b>
<b>D01G99/00</b>	<b>Subject matter not provided for in other groups of this subclass</b> [N1010]
D01G99/00B	<ul style="list-style-type: none"> <li>[N: Conditioning of textile fibre during treatment before spinning (<a href="#">conditioning during spinning or twisting</a> <a href="#">D01H13/30</a>)] [N1010]</li> </ul>