

**CPC****COOPERATIVE PATENT 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](#).

**D01G 1/00****Severing continuous filaments or long fibres, e.g. stapling**

D01G 1/02

- to form staple fibres not delivered in strand form

D01G 1/022

- {by solvents}

D01G 1/025

- {by thermic means, e.g. laser}

D01G 1/027

- {by freezing}

D01G 1/04

- by cutting

D01G 1/06

- Converting tows to slivers or yarns, e.g. in direct spinning ([drafting arrangements](#), [twisting arrangements](#) [D01H](#))

D01G 1/08

- by stretching or abrading

D01G 1/081

- {with preferential breaking zones}

D01G 1/083

- {obtained by mechanical means, e.g. by squeezing}

D01G 1/085

- {obtained by thermic means}

D01G 1/086

- {by freezing}

D01G 1/088

- {obtained by electric or electro-static means}

D01G 1/10

- by cutting

**D01G 3/00****Roughening of fibres****D01G 5/00**

**Separating, e.g. sorting, fibres** ([separating fibres of differing lengths in silk-dressing machines](#) [D01G 17/00](#); [in combing machines](#) [D01G 19/00](#))

**D01G 7/00****Breaking or opening fibre bales**

D01G 7/02

- by means of beater arms

D01G 7/04

- by means of toothed members

D01G 7/06

- Details of apparatus or machines

D01G 7/08

- Arrangements for feeding bales to comminuting elements

D01G 7/10

- Arrangements for discharging fibres

D01G 7/12

- Framework; Casings; Coverings; Grids

D01G 7/14

- Driving arrangements

**D01G 9/00**

**Opening or cleaning fibres, e.g. scutching cotton** ([scutching flax or like fibres](#) [D01B](#); [making cellulose wadding in papermaking machines](#) [D21F 11/14](#))

D01G 9/02

- by agitation within a moving receptacle

- D01G 9/04 . by means of beater arms
- D01G 9/06 . by means of toothed members
- D01G 9/08 . by means of air draught arrangements
- D01G 9/10 . . using foraminous cylinders ([foraminous suction cylinders for lap-forming D01G 25/00](#))
- D01G 9/12 . Combinations of opening or cleaning machines
- D01G 9/14 . Details of machines or apparatus
- D01G 9/16 . . Feeding arrangements ([fibre-feeding apparatus of general application in fibre-treating machines D01G 23/00](#))
- D01G 9/18 . . Arrangements for discharging fibres
- D01G 9/20 . . Framework; Casings; Coverings; Grids
- D01G 9/22 . . Driving arrangements
  
- D01G 11/00 Disintegrating fibre-containing articles to obtain fibres for re-use**
- D01G 11/02 . Opening, unravelling, or teasing ropes or like fibrous strands to obtain fibres for re-use
- D01G 11/04 . Opening rags to obtain fibres for re-use ([mechanical treatment of rags for paper-making D21B](#))
  
- D01G 13/00 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](#))**
  
- D01G 15/00 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](#))**
- D01G 15/02 . Carding machines
- D01G 15/04 . . with worker and stripper or like rollers operating in association with a main cylinder
- D01G 15/06 . . . Garnett machines
- D01G 15/08 . . with flats or like members or endless card sheets operating in association with a main cylinder
- D01G 15/10 . . with other apparatus, e.g. drafting devices, in integral or closely-associated combination ([web-dividing apparatus D01G 15/46; burr-crushing or removing arrangements D01G 15/94](#))
- D01G 15/12 . . Details
- D01G 15/14 . . . Constructional features of carding elements, e.g. for facilitating attachment of card clothing
- D01G 15/16 . . . . Main cylinders; Breasts
- D01G 15/18 . . . . Workers; Strippers; Doffers ([doffers specially adapted for web dividing D01G 15/54](#))
- D01G 15/20 . . . . Feed rollers; Takers-in
- D01G 15/22 . . . . Fancies
- D01G 15/24 . . . . Flats or like members
- D01G 15/26 . . . Arrangements or disposition of carding elements

- D01G 15/28 . . . Supporting arrangements for carding elements; Arrangements for adjusting relative positions of carding elements
- D01G 15/30 . . . . Bends
- D01G 15/32 . . . Framework; Casings; Coverings
- D01G 15/34 . . . Grids; Dirt knives; Angle blades
- D01G 15/36 . . . Driving or speed control arrangements
- D01G 15/38 . . . . for use during the grinding of card clothing
- D01G 15/40 . . . Feeding apparatus ([fibre-feeding apparatus of general application to fibre-treating machines, e.g. hopper feeders D01G 23/00](#))
- D01G 15/42 . . . . Feeding from laps
- D01G 15/44 . . . . Intermediate feeds
- D01G 15/46 . . . Doffing or like arrangements for removing fibres from carding elements; Web-dividing apparatus; Condensers ([lap-forming devices D01G 25/00](#); [fibre condensing guides D01H 5/72](#))
- D01G 15/465 . . . . {Doffing arrangements for removing fibres using, or cooperating with, pneumatic means}
- D01G 15/48 . . . . Stripping-combs
- D01G 15/50 . . . . Stripping-rollers or like devices
- D01G 15/52 . . . . Web-dividing arrangements
- D01G 15/54 . . . . . employing doffers specially adapted for web dividing
- D01G 15/56 . . . . . employing tapes
- D01G 15/58 . . . . Sliver or like rubbing apparatus
- D01G 15/60 . . . . . Constructions of rubbing leathers
- D01G 15/62 . . . . Slubbing-winding apparatus ([winding apparatus of general application to the winding of filamentary material B65H](#))
- D01G 15/64 . . . . Drafting or twisting apparatus associated with doffing arrangements or with web-dividing apparatus
- D01G 15/66 . . . . . with arrangements inserting false twist ([false-twist devices D01H](#))
- D01G 15/68 . . . . . with arrangements inserting permanent twist, e.g. spinning
- D01G 15/70 . . Arrangements for producing decorative or fancy effects in products
- D01G 15/72 . . Arrangements for returning waste to be re-carded
- D01G 15/74 . . Air draught arrangements ([air draught arrangements for stripping or for removing dust or fly D01G 15/76](#))
- D01G 15/76 . Stripping or cleaning carding surfaces; Maintaining cleanliness of carding area
- D01G 15/763 . . {[by suction or blowing \(D01G 15/785, D01G 15/805, D01G 15/825 take precedence\)](#)}
- D01G 15/766 . . {[Cleaning hand tools](#)}
- D01G 15/78 . . Arrangements for stripping flats
- D01G 15/785 . . . {[by suction or blowing](#)}
- D01G 15/80 . . Arrangements for stripping cylinders or rollers
- D01G 15/805 . . . {[by suction or blowing](#)}
- D01G 15/82 . . Arrangements for confining or removing dust, fly or the like

D01G 15/825	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{by suction or blowing}</li> </ul> </li> </ul> </li> </ul>
D01G 15/84	<ul style="list-style-type: none"> <li>Card clothing; Manufacture thereof not otherwise provided for (<a href="#">arrangements for driving carding-machine elements during grinding D01G 15/38</a>; grinding card clothing <a href="#">B24B</a>)</li> </ul>
D01G 15/86	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with flexible non-metallic backing</li> </ul> </li> </ul>
D01G 15/88	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>formed from metal sheets or strips</li> </ul> </li> </ul>
D01G 15/90	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Lags, e.g. for jute cards</li> </ul> </li> </ul>
D01G 15/92	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Attaching card clothing to carding elements</li> </ul> </li> </ul>
D01G 15/94	<ul style="list-style-type: none"> <li>Burr-crushing or removing arrangements</li> </ul>
D01G 15/96	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Burr-crushing rollers</li> </ul> </li> </ul>
D01G 15/98	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Morel or like apparatus</li> </ul> </li> </ul>
<b>D01G 17/00</b>	<b>Silk-dressing machines</b>
<b>D01G 19/00</b>	<b>Combing machines</b>
D01G 19/02	<ul style="list-style-type: none"> <li>with pinned circles, e.g. Noble</li> </ul>
D01G 19/04	<ul style="list-style-type: none"> <li>with pinned cylinders, e.g. rectilinear</li> </ul>
D01G 19/06	<ul style="list-style-type: none"> <li>Details</li> </ul>
D01G 19/08	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Feeding apparatus</li> </ul> </li> </ul>
D01G 19/10	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Construction, mounting, or operating features of combing elements</li> </ul> </li> </ul>
D01G 19/105	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{<a href="#">Combing cylinders (needle bars D01H 5/14)</a>}</li> </ul> </li> </ul> </li> </ul>
D01G 19/12	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Devices for laying or holding fibres in combs, e.g. dabbing brushes</li> </ul> </li> </ul>
D01G 19/14	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Drawing-off and delivery apparatus</li> </ul> </li> </ul>
D01G 19/16	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Nipper mechanisms</li> </ul> </li> </ul> </li> </ul>
D01G 19/18	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Roller, or roller and apron, devices, e.g. operating to draw-off fibres continuously</li> </ul> </li> </ul> </li> </ul>
D01G 19/20	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>operating to draw-off fibres intermittently</li> </ul> </li> </ul> </li> </ul>
D01G 19/22	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Arrangements for removing, or disposing of, noil or waste</li> </ul> </li> </ul>
D01G 19/24	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Framework; Casings; Coverings</li> </ul> </li> </ul>
D01G 19/26	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Driving arrangements</li> </ul> </li> </ul>
D01G 19/28	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Air draught or like pneumatic arrangements</li> </ul> </li> </ul>
D01G 19/30	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Heating arrangements</li> </ul> </li> </ul>
<b>D01G 21/00</b>	<b>Combinations of machines, apparatus, or processes, e.g. for continuous processing (<a href="#">D01G 1/06</a>, <a href="#">D01G 9/12</a>, <a href="#">D01G 15/46</a>, <a href="#">D01G 15/94</a> take precedence)</b>
<b>D01G 23/00</b>	<b>Feeding fibres to machines; Conveying fibres between machines (<a href="#">D01G 21/00</a> takes precedence; intermediate feeds in carding machines <a href="#">D01G 15/40</a>)</b>
D01G 23/02	<ul style="list-style-type: none"> <li>Hoppers; Delivery shoots</li> </ul>
D01G 23/04	<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>
D01G 23/045	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{by successive weighing; Weighing hoppers}</li> </ul> </li> </ul> </li> </ul>
D01G 23/06	<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 D01H</a>)</li> </ul>

D01G 23/08	<ul style="list-style-type: none"> <li>• Air draught or like pneumatic arrangements</li> </ul>
D01G 25/00	<b>Lap-forming devices not integral with machines specified above</b> (forming mats or batts of continuous filaments for non-woven fabrics <a href="#">D04H</a> )
D01G 27/00	<b>Lap- or sliver-winding devices, e.g. for products of cotton scutchers, jute cards, or worsted gill boxes</b>
D01G 27/02	<ul style="list-style-type: none"> <li>• with lap-roll or the like loaded to provide firm packages</li> </ul>
D01G 27/04	<ul style="list-style-type: none"> <li>• with automatic discharge of lap-roll or the like</li> </ul>
D01G 29/00	<b>Arrangements for lubricating fibres, e.g. in gill boxes</b> (processes involving the use of particular lubricants <a href="#">D06M 15/00</a> )
D01G 31/00	<b>Warning or safety devices, e.g. automatic fault detectors, stop motions</b> (safety devices of general application <a href="#">F16P</a> ; indicating devices of general application <a href="#">G08B</a> )
D01G 31/003	<ul style="list-style-type: none"> <li>• {Detection and removal of impurities}</li> </ul>
D01G 31/006	<ul style="list-style-type: none"> <li>• {On-line measurement and recording of process and product parameters}</li> </ul>
D01G 33/00	<b>Hand tools for treatment of fibres</b>
D01G 35/00	<b>Treatment of oakum</b>
D01G 99/00	<b>Subject matter not provided for in other groups of this subclass</b>
D01G 99/005	<ul style="list-style-type: none"> <li>• {Conditioning of textile fibre during treatment before spinning (conditioning during spinning or twisting <a href="#">D01H 13/30</a>)}</li> </ul>