

**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 cans [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 ( <a href="#">fibre-feeding apparatus of general application to fibre-treating machines, e.g. hopper feeders D01G 23/00</a> )
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 ( <a href="#">lap-forming devices D01G 25/00</a> ; <a href="#">fibre condensing guides D01H 5/72</a> )
D01G 15/465	....	<a href="#">{Doffing arrangements for removing fibres using, or cooperating with, pneumatic means}</a>
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 ( <a href="#">winding apparatus of general application to the winding of filamentary material B65H</a> )
D01G 15/64	....	Drafting or twisting apparatus associated with doffing arrangements or with web-dividing apparatus
D01G 15/66	.....	with arrangements inserting false twist ( <a href="#">false-twist devices D01H</a> )
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 ( <a href="#">air draught arrangements for stripping or for removing dust or fly D01G 15/76</a> )
D01G 15/76	.	Stripping or cleaning carding surfaces; Maintaining cleanliness of carding area
D01G 15/763	..	<a href="#">{by suction or blowing (D01G 15/785, D01G 15/805, D01G 15/825 take precedence)}</a>
D01G 15/766	..	<a href="#">{Cleaning hand tools}</a>
D01G 15/78	..	Arrangements for stripping flats
D01G 15/785	...	<a href="#">{by suction or blowing}</a>
D01G 15/80	..	Arrangements for stripping cylinders or rollers
D01G 15/805	...	<a href="#">{by suction or blowing}</a>
D01G 15/82	..	Arrangements for confining or removing dust, fly or the like

- D01G 15/825 . . . {by suction or blowing}
- D01G 15/84 . Card clothing; Manufacture thereof not otherwise provided for ([arrangements for driving carding-machine elements during grinding D01G 15/38](#); grinding card clothing [B24B](#))
  - D01G 15/86 . . with flexible non-metallic backing
  - D01G 15/88 . . formed from metal sheets or strips
  - D01G 15/90 . . Lags, e.g. for jute cards
  - D01G 15/92 . . Attaching card clothing to carding elements
  - D01G 15/94 . Burr-crushing or removing arrangements
    - D01G 15/96 . . Burr-crushing rollers
    - D01G 15/98 . . Morel or like apparatus
- D01G 17/00      Silk-dressing machines**
- D01G 19/00      Combing machines**
  - D01G 19/02 . with pinned circles, e.g. Noble
  - D01G 19/04 . with pinned cylinders, e.g. rectilinear
  - D01G 19/06 . Details
    - D01G 19/08 . . Feeding apparatus
    - D01G 19/10 . . Construction, mounting, or operating features of combing elements
    - D01G 19/105 . . . {Combing cylinders ([needle bars D01H 5/14](#))}
    - D01G 19/12 . . Devices for laying or holding fibres in combs, e.g. dabbing brushes
    - D01G 19/14 . . Drawing-off and delivery apparatus
      - D01G 19/16 . . . Nipper mechanisms
      - D01G 19/18 . . . Roller, or roller and apron, devices, e.g. operating to draw-off fibres continuously
        - D01G 19/20 . . . . operating to draw-off fibres intermittently
    - D01G 19/22 . . Arrangements for removing, or disposing of, noil or waste
    - D01G 19/24 . . Framework; Casings; Coverings
    - D01G 19/26 . . Driving arrangements
    - D01G 19/28 . . Air draught or like pneumatic arrangements
    - D01G 19/30 . . Heating arrangements
  - D01G 21/00      Combinations of machines, apparatus, or processes, e.g. for continuous processing ([D01G 1/06](#), [D01G 9/12](#), [D01G 15/46](#), [D01G 15/94](#) take precedence)**
  - D01G 23/00      Feeding fibres to machines; Conveying fibres between machines ([D01G 21/00](#) takes precedence; intermediate feeds in carding machines [D01G 15/40](#))**
    - D01G 23/02 . Hoppers; Delivery shoots
      - D01G 23/04 . . with means for regulating rate of feed
      - D01G 23/045 . . . {by successive weighing; Weighing hoppers}
      - D01G 23/06 . 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 ([arrangements in which draft is regulated in response to irregularities in fibre supply D01H](#))

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>