

**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 ( <a href="#">doffers specially adapted for web dividing D01G 15/54</a> )
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 .. {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 ... {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      .    Air draught or like pneumatic arrangements
- D01G 25/00**      **Lap-forming devices not integral with machines specified above** ([forming mats or batts of continuous filaments for non-woven fabrics D04H](#) )
- D01G 27/00**      **Lap- or sliver-winding devices, e.g. for products of cotton scutchers, jute cards, or worsted gill boxes**
- D01G 27/02      .    with lap-roll or the like loaded to provide firm packages
- D01G 27/04      .    with automatic discharge of lap-roll or the like
- D01G 29/00**      **Arrangements for lubricating fibres, e.g. in gill boxes** ([processes involving the use of particular lubricants D06M 15/00](#))
- D01G 31/00**      **Warning or safety devices, e.g. automatic fault detectors, stop motions** ([safety devices of general application F16P](#) ; [indicating devices of general application G08B](#) )
- D01G 31/003      .    {Detection and removal of impurities }
- D01G 31/006      .    {On-line measurement and recording of process and product parameters }
- D01G 33/00**      **Hand tools for treatment of fibres**
- D01G 35/00**      **Treatment of oakum**
- D01G 99/00**      **Subject matter not provided for in other groups of this subclass**
- D01G 99/005      .    { Conditioning of textile fibre during treatment before spinning ([conditioning during spinning or twisting D01H 13/30](#)) }