

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 (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 . . . { [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](#)) }