

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](#).

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| 1/00 | Severing continuous filaments or long fibres, e.g. stapling | 11/00 | Disintegrating fibre-containing articles to obtain fibres for re-use |
| 1/02 | • to form staple fibres not delivered in strand form | 11/02 | • Opening, unravelling, or teasing ropes or like fibrous strands to obtain fibres for re-use |
| 1/022 | • • {by solvents} | 11/04 | • Opening rags to obtain fibres for re-use (mechanical treatment of rags for paper-making D21B) |
| 1/025 | • • {by thermic means, e.g. laser} | | |
| 1/027 | • • • {by freezing} | 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) |
| 1/04 | • • by cutting | | |
| 1/06 | • Converting tows to slivers or yarns, e.g. in direct spinning (drafting arrangements, twisting arrangements D01H) | 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) |
| 1/08 | • • by stretching or abrading | 15/02 | • Carding machines |
| 1/081 | • • • {with preferential breaking zones} | 15/04 | • • with worker and stripper or like rollers operating in association with a main cylinder |
| 1/083 | • • • • {obtained by mechanical means, e.g. by squeezing} | 15/06 | • • • Garnett machines |
| 1/085 | • • • • {obtained by thermic means} | 15/08 | • • with flats or like members or endless card sheets operating in association with a main cylinder |
| 1/086 | • • • • • {by freezing} | 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) |
| 1/088 | • • • • {obtained by electric or electro-static means} | 15/12 | • • Details |
| 1/10 | • • by cutting | 15/14 | • • • Constructional features of carding elements, e.g. for facilitating attachment of card clothing |
| 3/00 | Roughening of fibres | 15/16 | • • • • Main cylinders; Breasts |
| 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) | 15/18 | • • • • Workers; Strippers; Doffers (doffers specially adapted for web dividing D01G 15/54) |
| 7/00 | Breaking or opening fibre bales | 15/20 | • • • • Feed rollers; Takers-in |
| 7/02 | • by means of beater arms | 15/22 | • • • • Fancies |
| 7/04 | • by means of toothed members | 15/24 | • • • • Flats or like members |
| 7/06 | • Details of apparatus or machines | 15/26 | • • • Arrangements or disposition of carding elements |
| 7/08 | • • Arrangements for feeding bales to comminuting elements | 15/28 | • • • Supporting arrangements for carding elements; Arrangements for adjusting relative positions of carding elements |
| 7/10 | • • Arrangements for discharging fibres | 15/30 | • • • • Bends |
| 7/12 | • • Framework; Casings; Coverings; Grids | 15/32 | • • • Framework; Casings; Coverings |
| 7/14 | • • Driving arrangements | 15/34 | • • • Grids; Dirt knives; Angle blades |
| 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) | 15/36 | • • • Driving or speed control arrangements |
| 9/02 | • by agitation within a moving receptacle | 15/38 | • • • • for use during the grinding of card clothing |
| 9/04 | • by means of beater arms | 15/40 | • • • Feeding apparatus (fibre-feeding apparatus of general application in fibre-treating machines D01G 23/00) |
| 9/06 | • by means of toothed members | | |
| 9/08 | • by means of air draught arrangements | 15/42 | • • • • Feeding from laps |
| 9/10 | • • using foraminous cylinders (foraminous suction cylinders for lap-forming D01G 25/00) | 15/44 | • • • • Intermediate feeds |
| 9/12 | • Combinations of opening or cleaning machines | | |
| 9/14 | • Details of machines or apparatus | | |
| 9/16 | • • Feeding arrangements (fibre-feeding apparatus of general application in fibre-treating machines D01G 23/00) | | |
| 9/18 | • • Arrangements for discharging fibres | | |
| 9/20 | • • Framework; Casings; Coverings; Grids | | |
| 9/22 | • • Driving arrangements | | |

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| 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) | 19/10 | . . Construction, mounting, or operating features of combing elements |
| 15/465 | { Doffing arrangements for removing fibres using, or cooperating with, pneumatic means } | 19/105 | . . . { Combing cylinders (needle bars D01H 5/14) } |
| 15/48 | Stripping-combs | 19/12 | . . Devices for laying or holding fibres in combs, e.g. dabbing brushes |
| 15/50 | Stripping-rollers or like devices | 19/14 | . . Drawing-off and delivery apparatus |
| 15/52 | Web-dividing arrangements | 19/16 | . . . Nipper mechanisms |
| 15/54 | employing doffers specially adapted for web dividing | 19/18 | . . . Roller, or roller and apron, devices, e.g. operating to draw-off fibres continuously |
| 15/56 | employing tapes | 19/20 | operating to draw-off fibres intermittently |
| 15/58 | Sliver or like rubbing apparatus | 19/22 | . . Arrangements for removing, or disposing of, noil or waste |
| 15/60 | Constructions of rubbing leathers | 19/24 | . . Framework; Casings; Coverings |
| 15/62 | Slubbing-winding apparatus (winding apparatus of general application to the winding of filamentary material B65H) | 19/26 | . . Driving arrangements |
| 15/64 | Drafting or twisting apparatus associated with doffing arrangements or with web-dividing apparatus | 19/28 | . . Air draught or like pneumatic arrangements |
| 15/66 | with arrangements inserting false twist (false-twist devices D01H) | 19/30 | . . Heating arrangements |
| 15/68 | with arrangements inserting permanent twist, e.g. spinning | 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) |
| 15/70 | . . Arrangements for producing decorative or fancy effects in products | 23/00 | Feeding fibres to machines; Conveying fibres between machines (D01G 21/00 takes precedence; intermediate feeds in carding machines D01G 15/40) |
| 15/72 | . . Arrangements for returning waste to be re-carded | 23/02 | . Hoppers; Delivery shoots |
| 15/74 | . . Air draught arrangements (air draught arrangements for stripping or for removing dust or fly D01G 15/76) | 23/04 | . . with means for regulating rate of feed |
| 15/76 | . Stripping or cleaning carding surfaces; Maintaining cleanliness of carding area | 23/045 | . . . { by successive weighing ; Weighing hoppers } |
| 15/763 | . . { by suction or blowing (D01G 15/785, D01G 15/805, D01G 15/825 take precedence) } | 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) |
| 15/766 | . . { Cleaning hand tools } | 23/08 | . Air draught or like pneumatic arrangements |
| 15/78 | . . Arrangements for stripping flats | 25/00 | Lap-forming devices not integral with machines specified above (forming mats or batts of continuous filaments for non-woven fabrics D04H) |
| 15/785 | . . . { by suction or blowing } | 27/00 | Lap- or sliver-winding devices, e.g. for products of cotton scutchers, jute cards, or worsted gill boxes |
| 15/80 | . . Arrangements for stripping cylinders or rollers | 27/02 | . with lap-roll or the like loaded to provide firm packages |
| 15/805 | . . . { by suction or blowing } | 27/04 | . with automatic discharge of lap-roll or the like |
| 15/82 | . . Arrangements for confining or removing dust, fly or the like | 29/00 | Arrangements for lubricating fibres, e.g. in gill boxes (processes involving the use of particular lubricants D06M 15/00) |
| 15/825 | . . . { by suction or blowing } | 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) |
| 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) | 31/003 | . { Detection and removal of impurities } |
| 15/86 | . . with flexible non-metallic backing | 31/006 | . { On-line measurement and recording of process and product parameters } |
| 15/88 | . . formed from metal sheets or strips | 33/00 | Hand tools for treatment of fibres |
| 15/90 | . . Lags, e.g. for jute cards | 35/00 | Treatment of oakum |
| 15/92 | . . Attaching card clothing to carding elements | 99/00 | Subject matter not provided for in other groups of this subclass |
| 15/94 | . Burr-crushing or removing arrangements | 99/005 | . { Conditioning of textile fibre during treatment before spinning (conditioning during spinning or twisting D01H 13/30) } |
| 15/96 | . . Burr-crushing rollers | | |
| 15/98 | . . Morel or like apparatus | | |
| 17/00 | Silk-dressing machines | | |
| 19/00 | Combing machines | | |
| 19/02 | . with pinned circles, e.g. Noble | | |
| 19/04 | . with pinned cylinders, e.g. rectilinear | | |
| 19/06 | . Details | | |
| 19/08 | . . Feeding apparatus | | |