CPC  COOPERATIVE PATENT CLASSIFICATION

D  TEXTILES; PAPER

TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

D06  TREATMENT OF TEXTILES OR THE LIKE; LAUNDERING; FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

D06B  TREATING TEXTILE MATERIALS USING LIQUIDS, GASES OR VAPOURS

(mechanical treatment of natural fibrous or filamentary material to obtain fibres or filaments D01B)

NOTES
1. In this subclass, the following terms or expressions are used with the meaning indicated:
   • “fabric” includes yarns in warp or sheet form;
   • “textile material” includes fabrics, yarns or other fibrous materials;
   • “indefinite length” means an extent of material having the characteristic that the longitudinal dimension is effectively infinite in so far as the procedure for advancing or moving the material is concerned.
2. This subclass does not cover treatment of textiles by purely chemical means, which is covered by subclasses D06L - D06Q.

WARNING
{In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.}

1/00  Applying liquids, gases or vapours onto textile materials to effect treatment, e.g. washing, dyeing, bleaching, sizing or impregnating (mercerising D06B 7/00; solvent-treatment D06B 9/00; treatment of selected parts of textile materials D06B 11/00; with aid of vibration D06B 13/00)
1/02  .  by spraying or projecting (D06B 1/08 takes precedence)
1/04  .  by pouring or allowing to flow on to the surface of the textile material
1/06  .  flowing along an inclined surface
1/08  .  from outlets being in, or almost in, contact with the textile material
1/10  .  by contact with a member carrying the treating material
1/12  .  .  by rubbing contact, e.g. with brushes or pads
1/14  .  .  with a roller
1/141  .  .  {where an element is used to mitigate the quantity of treating material on the roller}
1/142  .  .  {where an element is used to mitigate the quantity of treating material that the textile material can retain (if removing occurs later see D06B 15/00 and sub-groups)}
1/143  .  .  {where elements are used to mitigate the quantities of treating material on the roller and on the textile material}
1/144  .  .  {the treating material being kept in a trough formed between the roller and non-rotating elements}
1/145  .  .  {the treating material being kept in the trough formed between two or more rollers}
1/146  .  .  {where the textile material is first passed in a nip before it comes into contact with the treating material}
1/047  .  .  .  {the textile material being a tubular fabric (takes precedence over D06B 1/146)}
1/048  .  .  .  {the treating material being supplied to the roller by spraying or pouring}
1/049  .  .  .  {the treating material being applied to the textile material without contact with the roller (e.g. by capillarity)}
1/016  .  .  .  the treating material being supplied from inside the roller
3/00  Passing of textile materials through liquids, gases or vapours to effect treatment, e.g. washing, dyeing, bleaching, sizing, impregnating (mercerising D06B 7/00; solvent-treatment D06B 9/00; treatment of selected parts of textile materials D06B 11/00; with aid of vibration D06B 13/00)
3/02  .  of fibres, slivers or rovings
3/04  .  of yarns, threads or filaments
3/045  .  .  {in a tube or a groove}
3/06  .  .  individually handled
3/08  .  .  as hanks
3/09  .  .  as packages, e.g. cheeses
3/10  .  .  of fabrics (D06B 3/24, D06B 3/28, D06B 3/32 take precedence; jiggers D06B 3/32)
3/105  .  .  {of tubular fabrics}
3/12  .  .  in zig-zag manner over series of guiding means
3/14  .  .  in wound form
3/16  .  .  in superimposed, i.e. stack-packed, form
3/18  .  .  combined with squeezing, e.g. in padding machines
3/185  .  .  {below the bath level}
3/20  .  .  with means to improve the circulation of the treating material on the surface of the fabric
Forcing liquids, gases or vapours through textile materials to effect treatment, e.g. washing, dyeing, bleaching, sizing impregnating (mercourising D06B 7/00; solvent-treatment D06B 9/00; treatment of selected parts of textile materials D06B 11/00; with aid of vibration D06B 13/00)

- Through moving materials of indefinite length
- Through slivers or rovings
- Through fabrics
- Using centrifugal force
- Through materials of definite length
- Through fibres, slivers or rovings
- Through yarns, threads or filaments
- Through hanks
- Through beamed warp
- Through fabrics
- Through articles, e.g. stockings
- Using centrifugal force

Mercourising, e.g. lustring by mercourising

- Of slivers
- Of yarns, threads or filaments
- Of fabrics of indefinite length
- Of tubular fabrics or tubular articles

Solvent-treatment of textile materials

- Solvent-dyeing
- Successively applying two or more different solvent-based treating materials
- With recovery of the solvent

Treatment of selected parts of textile materials, e.g. partial dyeing

- Of fibres, slivers or rovings
- In connection with a spinning step
- Of a yarn in wound form
- By local injection
- By local suction

NOTE

Group D06B 15/12 takes precedence over groups D06B 15/02 - D06B 15/10

Removing liquids, gases or vapours from textile materials in association with treatment of the materials by liquids, gases or vapours

- By squeezing, otherwise than by rollers

NOTE

15/02 By squeezing rollers (D06B 15/046 takes precedence)

15/04 By suction

15/06 By vibrating the textile material

15/08 By scraping

15/10 By contact with the textile material

15/12 Up to the moisture regain of the textile material

Storing of textile materials in association with the treatment of the materials by liquids, gases or vapours (carriers or supports specially adapted therefor D06B 23/04)

- In helical form
D06B

Treatment of textile materials by liquids, gases or vapours, not provided for in groups
D06B 100 - D06B 17/00

19/0005 . {Fixing of chemicals, e.g. dyestuffs, on textile materials {D06B 9/002, D06B 17/00 - D06B 17/06 take precedence}}
19/0011 . . . {by heated air}
19/0017 . . . . {the textile material passing through a chamber}
19/0023 . . . . {wherein suction is applied to one face of the textile material}
19/0029 . . . . {by steam}
19/0035 . . . . . {the textile material passing through a chamber}
19/0041 . . . . . {wherein suction is applied to one face of the textile material}
19/0047 . . . . . . {by air steam}
19/0052 . . . . . . {the textile material passing through a chamber}
19/0058 . . . . . . {wherein suction is applied to one face of the textile material}
19/0064 . . . . . {by a fixing bath {D06B 19/0082 takes precedence}}
19/007 . . . . {by application of electric energy}
19/0076 . . . {by contact with a heated surface}
19/0082 . . . . . {by passing through a bath of liquid metal or a fluidised bed}
19/0088 . . . . . . . {using a short bath ratio liquor}
19/0094 . . . . . . {as a foam}

21/00 Successive treatments of textile materials by liquids, gases or vapours (successive treatments in which the characteristics of a single treatment are of interest only, or in which all treatments have characteristics provided for in a single main group, see the relevant groups for the single treatment)

21/02 . the treatments being performed in a single container

23/00 Component parts, details, or accessories of apparatus or machines, specially adapted for the treating of textile materials, not restricted to a particular kind of apparatus, provided for in groups D06B 1/00 - D06B 21/00

23/02 . Rollers
23/021 . . {Compressive rollers}
23/023 . . {Guiding rollers}
23/025 . . {Perforated rollers}
23/026 . . . {characterised by particular surface features}
23/028 . . . {Rollers for thermal treatment}
23/04 . Carriers or supports for textile materials to be treated
23/042 . . . {Perforated supports}
23/045 . . . . {radially collapsible}
23/047 . . . . {Replacing or removing the core of the package}
23/06 . Guiding means for preventing filaments, yarns or threads from sticking together
23/08 . Untwisting devices
23/10 . Devices for dyeing samples {D06B 23/12 takes precedence}
23/12 . Means for taking samples from textile materials during or after treatment

23/14 . Containers, e.g. vats
23/16 . . with means for introducing or removing textile materials without modifying container pressure
23/18 . . Sealing arrangements
23/20 . . Arrangements of apparatus for treating processing-liquids, -gases or -vapours, e.g. purification, filtration, distillation (such apparatus per se, see the relevant classes for the apparatus)
23/205 . . . . {for adding or mixing constituents of the treating material}
23/22 . . . for heating
23/24 . . . Means for regulating the amount of treating material picked up by the textile material during its treatment
23/26 . . . . in response to a test conducted on the textile material
23/28 . . . . in response to a test conducted on the treating material
23/30 . . Means for cleaning apparatus or machines, or parts thereof

2700/00 Treating of textile materials, e.g. bleaching, dyeing, mercerising, impregnating, washing; Fulling of fabrics

2700/02 . Rollers or brushes for applying bleaching, washing or dyeing liquid to fibrous materials
2700/04 . Partial dyeing, e.g. of fabrics
2700/06 . Passing warp yarns in unwound or in wound form through bleaching, washing or dyeing liquid
2700/09 . Apparatus for passing open width fabrics through bleaching, washing or dyeing liquid
2700/095 . . . for continuous treatment of open width fabrics, in which the fabric is guided without tension, e.g. superimposed or festooned, in order to extend the duration of treatment
2700/10 . Apparatus for passing fabrics in roped form through bleaching, washing or dyeing liquid, e.g. for continuous treatment
2700/105 . . . for batch treatment in winch vats of fabrics in roped form
2700/14 . Passing liquid through fabrics or linoleum
2700/17 . Passing liquid through fibrous materials in open containers with a form not determined by the nature of the fibrous material
2700/18 . Passing liquid through fibrous materials in closed containers with a form not determined by the nature of the fibrous material
2700/19 . Passing bleaching, washing or dyeing liquid through fibrous materials by centrifuging
2700/25 . . Sizing, starching or impregnating warp yarns; Making glazed yarn; Drying sized warp yarns
2700/27 . . Sizing, starching or impregnating fabrics
2700/28 . . Impregnating or coating cords or ropes
2700/35 . . Rollers for machines for treating textiles, e.g. dyeing, drying, sizing
2700/36 . . Devices or methods for dyeing, washing or bleaching not otherwise provided for
2700/37 . . Machines for forming hanks