

CPC COOPERATIVE PATENT CLASSIFICATION

D TEXTILES; PAPER

TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

D05 SEWING; EMBROIDERING; TUFTING

D05C EMBROIDERING; TUFTING ([making non-woven fabrics D04H](#); [sewing D05B](#))

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.

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| 1/00 | Apparatus, devices, or tools for hand embroidering | 9/18 | • Movement of the base fabric in one of the two directions controlled by embroidering needles |
| 1/02 | • Work frames | | |
| 1/04 | • . circular | 9/20 | • Movement of the base fabric controlled by the presser feet; Driving arrangements therefor |
| 1/06 | • Needles specially adapted for hand embroidering (sewing needles D05B 85/00); Holders for needles or threads | 9/22 | • Adjusting or registering devices for the base fabric, e.g. for alignment with respect to the needles |
| 1/065 | • . {Holders for needles or threads} | | |
| 1/08 | • Patterns for hand embroidering; Manufacture thereof | 11/00 | Devices for guiding, feeding, handling, or treating the threads in embroidering machines; Machine needles; Operating or control mechanisms therefor |
| <u>Embroidering machines</u> ({embroidering attachments for sewing machines D05B 3/243} ; programme-controlled sewing machines with embroidering capability D05B 19/00, D05B 21/00) | | 11/02 | • Machine needles |
| 3/00 | General types of embroidering machines | 11/04 | • . Arrangements for fastening or inserting in bars or carriers |
| 3/02 | • with vertical needles | | |
| 3/04 | • with horizontal needles | 11/06 | • . Needle-driving or control mechanisms |
| 5/00 | Embroidering machines with arrangements for automatic control of a series of individual steps | 11/08 | • Thread-tensioning arrangements ({inside the shuttle D05C 11/18}) |
| 5/02 | • by electrical or magnetic control devices | 11/10 | • . Guides, e.g. resilient |
| 5/04 | • by input of recorded information, e.g. on perforated tape | 11/12 | • . Rollers |
| 5/06 | • . with means for recording the information | 11/14 | • . Stop motions responsive to thread tension or breakage |
| 7/00 | Special-purpose or automatic embroidering machines | 11/16 | • Arrangements for repeating thread patterns or for changing threads |
| 7/02 | • with accessories for peculiar kinds of embroidery | 11/18 | • Shuttles {; Shuttle holders; Shuttle driving arrangements} |
| 7/04 | • for boring or jogging | 11/20 | • Arrangements for cutting the needle or lower threads |
| 7/06 | • for embroidering festoons | 11/22 | • Arrangements for cutting-out broken threads |
| 7/08 | • for attaching cords, tapes, bands, or the like | 11/24 | • incorporating devices for dyeing or impregnating the threads |
| 7/10 | • for separating and burning-off parts of the base fabric (making patterns or designs on fabrics by singeing or etching D06C 23/02) | 13/00 | Auxiliary devices incorporated in embroidering machines, not otherwise provided for; Ancillary apparatus for use with embroidering machines |
| 7/12 | • for making cotton buttons | 13/02 | • Counting, measuring, indicating, warning, or safety devices |
| 9/00 | Appliances for holding or feeding the base fabric in embroidering machines | 13/04 | • Lubricating devices |
| 9/02 | • in machines with vertical needles | 13/06 | • Apparatus for filling or threading shuttles |
| 9/04 | • . Work holders, e.g. frames | 15/00 | Making pile fabrics or articles having similar surface features by inserting loops into a base material (layered products B32B ; non-woven pile fabrics D04H 11/00) |
| 9/06 | • . . Feeding arrangements therefor, e.g. influenced by patterns, operated by pantographs | | |
| 9/08 | • in machines with horizontal needles | 15/02 | • Rooting of hair in doll heads or wigs (wigs A41G 3/00 ; hair or wigs for doll heads A63H 3/44) |
| 9/10 | • . Work holders or carriers | | |
| 9/12 | • . . Holding or stretching arrangements for the base fabric in embroidery work holders | 15/04 | • Tufting |
| 9/14 | • . . . Suspension or balancing arrangements therefor | 15/06 | • . Hand tufting needles {; Hand-held tufting apparatus} |
| 9/16 | • . . . Feeding arrangements therefor | | |

- 15/08 . . Tufting machines { [\(D05C 15/06 takes precedence\)](#) }
- 15/10 . . . operating with a plurality of needles, e.g. in one row
- 15/12 in more than one row
- 15/14 . . . Arrangements or devices for holding or feeding the base material [\(D05C 15/26 takes precedence\)](#)
- 15/145 { [Needle plates](#) }
- 15/16 . . . Arrangements or devices for manipulating threads [\(D05C 15/26 takes precedence\)](#)
- 15/18 Thread feeding or tensioning arrangements
- 15/20 Arrangements or devices, e.g. needles, for inserting loops; Driving mechanisms therefor
- 15/22 Loop-catching arrangements, e.g. loopers; Driving mechanisms therefor
- 15/24 Loop cutters; Driving mechanisms therefor
- 15/26 . . . with provision for producing patterns
- 15/28 by moving the base material laterally
- 15/30 by moving the tufting tools laterally
- 15/32 by altering the loop length
- 15/34 by inserting loops of different nature or colour
- 15/36 by selective cutting of loops
- 15/38 . by passing thread material in zig-zag manner through spaced layers of base material and subsequently cutting along a central plane
- 17/00 Embroidered or tufted products; Base fabrics specially adapted for embroidered work; Inserts for producing surface irregularities in embroidered products** [\(layered products B32B; non-woven pile fabrics D04H 11/00\)](#)
- 17/02 . Tufted products
- 17/023 . . { [characterised by the base fabric](#) }
- 17/026 . . { [characterised by the tufted pile surface](#) }