D CPC - 2020.05

COOPERATIVE PATENT CLASSIFICATION

TEXTILES; PAPER

TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

D SEWING; EMBROIDERING; TUFTING

D05 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.

1/00 Apparatus, devices, or tools for hand embroidering
1/02 . Work frames
1/04 . . circular
1/06 . Needles specially adapted for hand embroidering (sewing needles D05B 85/00); Holders for needles or threads
1/065 . . [Holders for needles or threads]
1/08 . Patterns for hand embroidering; Manufacture thereof

Embroidering machines ([embroidering attachments for sewing machines D05B 3/243]; programme-controlled sewing machines with embroidering capability D05B 19/00, D05B 21/00)

3/00 General types of embroidering machines
3/02 . with vertical needles
3/04 . with horizontal needles

5/00 Embroidering machines with arrangements for automatic control of a series of individual steps
5/02 . by electrical or magnetic control devices
5/04 . by input of recorded information, e.g. on perforated tape
5/06 . . with means for recording the information

7/00 Special-purpose or automatic embroidering machines
7/02 . with accessories for peculiar kinds of embroidery
7/04 . for boring or jogging
7/06 . for embroidering festoons
7/08 . for attaching cords, tapes, bands, or the like
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)
7/12 . for making cotton buttons

9/00 Appliances for holding or feeding the base fabric in embroidering machines
9/02 . in machines with vertical needles
9/04 . . Work holders, e.g. frames
9/06 . . . Feeding arrangements therefor, e.g. influenced by patterns, operated by pantographs
9/08 . in machines with horizontal needles
9/10 . . Work holders or carriers
9/12 . . . Holding or stretching arrangements for the base fabric in embroidery work holders
9/14 . . . Suspension or balancing arrangements therefor
9/16 . . . Feeding arrangements therefor
9/18 . . Movement of the base fabric in one of the two directions controlled by embroidering needles
9/20 . . Movement of the base fabric controlled by the presser feet; Driving arrangements therefor
9/22 . . Adjusting or registering devices for the base fabric, e.g. for alignment with respect to the needles

11/00 Devices for guiding, feeding, handling, or treating the threads in embroidering machines; Machine needles; Operating or control mechanisms therefor
11/02 . Machine needles
11/04 . . Arrangements for fastening or inserting in bars or carriers
11/06 . . Needle-driving or control mechanisms
11/08 . . Thread-tensioning arrangements { (inside the shuttle D05C 11/18) }
11/10 . . Guides, e.g. resilient
11/12 . . Rollers
11/14 . . Stop motions responsive to thread tension or breakage
11/16 . . Arrangements for repeating thread patterns or for changing threads
11/18 . . Shuttles { ; Shuttle holders; Shuttle driving arrangements }
11/20 . . Arrangements for cutting the needle or lower threads
11/22 . . Arrangements for cutting-out broken threads
11/24 . . Incorporating devices for dyeing or impregnating the threads

13/00 Auxiliary devices incorporated in embroidering machines, not otherwise provided for; Ancillary apparatus for use with embroidering machines
13/02 . Counting, measuring, indicating, warning, or safety devices
13/04 . Lubricating devices
13/06 . Apparatus for filling or threading shuttles

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)
15/02 . Rooting of hair in doll heads or wigs (wigs A41G 3/00; hair or wigs for doll heads A63H 3/44)
15/04 . Tufting
15/06 . . Hand tufting needles [Hand-held tufting apparatus]

CPC - 2020.05 1
Embroidering machines

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]