

**CPC****COOPERATIVE PATENT CLASSIFICATION****D05C****EMBROIDERING; TUFTING** (making non-woven fabrics [D04H](#); sewing [D05B](#))**D05C 1/00****Apparatus, devices, or tools for hand embroidering**

## D05C 1/02

- . Work frames

## D05C 1/04

- . . circular

## D05C 1/06

- . Needles specially adapted for hand embroidering ([sewing needles D05B 85/00](#));  
Holders for needles or threads

## D05C 1/065

- . . { [Holders for needles or threads](#) }

## D05C 1/08

- . Patterns for hand embroidering; Manufacture thereof

**Guidance heading:** **Embroidering machines** ({ [embroidering attachments for sewing machines D05B 3/243](#) }; [programme-controlled sewing machines with embroidering capability D05B 19/00](#), [D05B 21/00](#))

**D05C 3/00****General types of embroidering machines**

## D05C 3/02

- . with vertical needles

## D05C 3/04

- . with horizontal needles

**D05C 5/00****Embroidering machines with arrangements for automatic control of a series of individual steps**

## D05C 5/02

- . by electrical or magnetic control devices

## D05C 5/04

- . by input of recorded information, e.g. on perforated tape

## D05C 5/06

- . . with means for recording the information

**D05C 7/00****Special-purpose or automatic embroidering machines**

## D05C 7/02

- . with accessories for peculiar kinds of embroidery

## D05C 7/04

- . for boring or jogging

## D05C 7/06

- . for embroidering festoons

## D05C 7/08

- . for attaching cords, tapes, bands, or the like

## D05C 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](#))

D05C 7/12 . for making cotton buttons

## **D05C 9/00 Appliances for holding or feeding the base fabric in embroidering machines**

D05C 9/02 . in machines with vertical needles

D05C 9/04 . . Work holders, e.g. frames

D05C 9/06 . . . Feeding arrangements therefor, e.g. influenced by patterns, operated by pantographs

D05C 9/08 . in machines with horizontal needles

D05C 9/10 . . Work holders or carriers

D05C 9/12 . . . Holding or stretching arrangements for the base fabric in embroidery work holders

D05C 9/14 . . . Suspension or balancing arrangements therefor

D05C 9/16 . . . Feeding arrangements therefor

D05C 9/18 . Movement of the base fabric in one of the two directions controlled by embroidering needles

D05C 9/20 . Movement of the base fabric controlled by the presser feet; Driving arrangements therefor

D05C 9/22 . Adjusting or registering devices for the base fabric, e.g. for alignment with respect to the needles

## **D05C 11/00 Devices for guiding, feeding, handling, or treating the threads in embroidering machines; Machine needles; Operating or control mechanisms therefor**

D05C 11/02 . Machine needles

D05C 11/04 . . Arrangements for fastening or inserting in bars or carriers

D05C 11/06 . . Needle-driving or control mechanisms

D05C 11/08 . Thread-tensioning arrangements [{\(inside the shuttle D05C 11/18\)}](#)

D05C 11/10 . . Guides, e.g. resilient

D05C 11/12 . . Rollers

D05C 11/14 . . Stop motions responsive to thread tension or breakage

D05C 11/16 . Arrangements for repeating thread patterns or for changing threads

D05C 11/18 . Shuttles; [{ Shuttle holders; Shuttle driving arrangements }](#)

D05C 11/20 . Arrangements for cutting the needle or lower threads

D05C 11/22 . Arrangements for cutting-out broken threads

D05C 11/24 . incorporating devices for dyeing or impregnating the threads

- D05C 13/00**      **Auxiliary devices incorporated in embroidering machines, not otherwise provided for; Ancillary apparatus for use with embroidering machines**
- D05C 13/02      . Counting, measuring, indicating, warning, or safety devices
- D05C 13/04      . Lubricating devices
- D05C 13/06      . Apparatus for filling or threading shuttles
- D05C 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](#))
- D05C 15/02      . Rooting of hair in doll heads or wigs (wigs [A41G 3/00](#); hair or wigs for doll heads [A63H 3/44](#))
- D05C 15/04      . Tufting
- D05C 15/06      . . Hand tufting needles { Hand-held tufting apparatus }
- D05C 15/08      . . Tufting machines {(D05C 15/06 takes precedence)}
- D05C 15/10      . . . operating with a plurality of needles, e.g. in one row
- D05C 15/12      . . . . in more than one row
- D05C 15/14      . . . Arrangements or devices for holding or feeding the base material (D05C 15/26 takes precedence)
- D05C 15/145      . . . . { Needle plates }
- D05C 15/16      . . . Arrangements or devices for manipulating threads (D05C 15/26 takes precedence)
- D05C 15/18      . . . . Thread feeding or tensioning arrangements
- D05C 15/20      . . . . Arrangements or devices, e.g. needles, for inserting loops; Driving mechanisms therefor
- D05C 15/22      . . . . Loop-catching arrangements, e.g. loopers; Driving mechanisms therefor
- D05C 15/24      . . . . Loop cutters; Driving mechanisms therefor
- D05C 15/26      . . . with provision for producing patterns
- D05C 15/28      . . . . by moving the base material laterally
- D05C 15/30      . . . . by moving the tufting tools laterally
- D05C 15/32      . . . . by altering the loop length
- D05C 15/34      . . . . by inserting loops of different nature or colour
- D05C 15/36      . . . . by selective cutting of loops
- D05C 15/38      . by passing thread material in zig-zag manner through spaced layers of base material and subsequently cutting along a central plane
- D05C 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](#))

- D05C 17/02 . Tufted products
- D05C 17/023 .. { characterised by the base fabric }
- D05C 17/026 .. { characterised by the tufted pile surface }