

ECLA EUROPEAN CLASSIFICATION

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

D05C1/00 Apparatus, devices, or tools for hand embroidering

D05C1/02 . Work frames

D05C1/04 . . circular

D05C1/06 . Needles specially adapted for hand embroidering ([sewing needles D05B85/00](#));
Holders for needles or threads

D05C1/06B . . [\[N: Holders for needles or threads\] \[N9510\]](#)

D05C1/08 . Patterns for hand embroidering; Manufacture thereof

Guide heading: **Embroidering machines** ([\[N: embroidering attachments for sewing machines D05B3/24B\]](#); [programme-controlled sewing machines with embroidering capability D05B19/00, D05B21/00](#))

D05C3/00 General types of embroidering machines

D05C3/02 . with vertical needles

D05C3/04 . with horizontal needles

D05C5/00 Embroidering machines with arrangements for automatic control of a series of individual steps

D05C5/02 . by electrical or magnetic control devices

D05C5/04 . by input of recorded information, e.g. on perforated tape

D05C5/06 . . with means for recording the information

D05C7/00 Special-purpose or automatic embroidering machines

D05C7/02 . with accessories for peculiar kinds of embroidery

D05C7/04 . for boring or jogging

D05C7/06 . for embroidering festoons

D05C7/08 . for attaching cords, tapes, bands, or the like

D05C7/10 . for separating and burning-off parts of the base fabric ([making patterns or designs on fabrics by singeing or etching D06C23/02](#))

D05C7/12 . for making cotton buttons

- D05C9/00** **Appliances for holding or feeding the base fabric in embroidering machines**
- D05C9/02 . in machines with vertical needles
- D05C9/04 . . Work holders, e.g. frames
- D05C9/06 . . . Feeding arrangements therefor, e.g. influenced by patterns, operated by pantographs
- D05C9/08 . in machines with horizontal needles
- D05C9/10 . . Work holders or carriers
- D05C9/12 . . . Holding or stretching arrangements for the base fabric in embroidery work holders
- D05C9/14 . . . Suspension or balancing arrangements therefor
- D05C9/16 . . . Feeding arrangements therefor
- D05C9/18 . Movement of the base fabric in one of the two directions controlled by embroidering needles
- D05C9/20 . Movement of the base fabric controlled by the presser feet; Driving arrangements therefor
- D05C9/22 . Adjusting or registering devices for the base fabric, e.g. for alignment with respect to the needles
- D05C11/00** **Devices for guiding, feeding, handling, or treating the threads in embroidering machines; Machine needles; Operating or control mechanisms therefor**
- D05C11/02 . Machine needles
- D05C11/04 . . Arrangements for fastening or inserting in bars or carriers
- D05C11/06 . . Needle-driving or control mechanisms
- D05C11/08 . Thread-tensioning arrangements [N: (inside the shuttle [D05C11/18](#))] [C9412]
- D05C11/10 . . Guides, e.g. resilient
- D05C11/12 . . Rollers
- D05C11/14 . . Stop motions responsive to thread tension or breakage
- D05C11/16 . Arrangements for repeating thread patterns or for changing threads
- D05C11/18 . Shuttles; [N: Shuttle holders; Shuttle driving arrangements] [C9412]
- D05C11/20 . Arrangements for cutting the needle or lower threads
- D05C11/22 . Arrangements for cutting-out broken threads
- D05C11/24 . incorporating devices for dyeing or impregnating the threads
- D05C13/00** **Auxiliary devices incorporated in embroidering machines, not otherwise provided for; Ancillary apparatus for use with embroidering machines**

- D05C13/02 . Counting, measuring, indicating, warning, or safety devices
- D05C13/04 . Lubricating devices
- D05C13/06 . Apparatus for filling or threading shuttles
- D05C15/00** **Making pile fabrics or articles having similar surface features by inserting loops into a base material** (layered products [B32B](#); non-woven pile fabrics [D04H11/00](#))
- D05C15/02 . Rooting of hair in doll heads or wigs (wigs [A41G3/00](#); hair or wigs for doll heads [A63H3/44](#))
- D05C15/04 . Tufting
- D05C15/06 . . Hand tufting needles [N: Hand-held tufting apparatus]
- D05C15/08 . . Tufting machines [N:([D05C15/06](#) takes precedence)]
- D05C15/10 . . . operating with a plurality of needles, e.g. in one row
- D05C15/12 in more than one row
- D05C15/14 . . . Arrangements or devices for holding or feeding the base material ([D05C15/26](#) takes precedence)
- D05C15/14B [N: Needle plates]
- D05C15/16 . . . Arrangements or devices for manipulating threads ([D05C15/26](#) takes precedence)
- D05C15/18 Thread feeding or tensioning arrangements
- D05C15/20 Arrangements or devices, e.g. needles, for inserting loops; Driving mechanisms therefor
- D05C15/22 Loop-catching arrangements, e.g. loopers; Driving mechanisms therefor
- D05C15/24 Loop cutters; Driving mechanisms therefor
- D05C15/26 . . . with provision for producing patterns
- D05C15/28 by moving the base material laterally
- D05C15/30 by moving the tufting tools laterally
- D05C15/32 by altering the loop length
- D05C15/34 by inserting loops of different nature or colour
- D05C15/36 by selective cutting of loops
- D05C15/38 . by passing thread material in zig-zag manner through spaced layers of base material and subsequently cutting along a central plane
- D05C17/00** **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 [D04H11/00](#)) [[C9409](#)]
- D05C17/02 . Tufted products
- D05C17/02B . . [N: characterised by the base fabric]
- D05C17/02C . . [N: characterised by the tufted pile surface]