

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.

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	15/02	• Rooting of hair in doll heads or wigs (wigs A41G 3/00 ; hair or wigs for doll heads A63H 3/44)
9/08	• in machines with horizontal needles	15/04	• Tufting
9/10	• . Work holders or carriers	15/06	• . Hand tufting needles { Hand-held tufting apparatus }
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		

- 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](#) }