

# 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.

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

- 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](#) }