

# CPC COOPERATIVE PATENT CLASSIFICATION

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

<b>1/00</b>	<b>Apparatus, devices, or tools for hand embroidering</b>	11/04	. . Arrangements for fastening or inserting in bars or carriers
1/02	. Work frames	11/06	. . Needle-driving or control mechanisms
1/04	. . circular	11/08	. Thread-tensioning arrangements {(inside the shuttle <a href="#">D05C 11/18</a> )}
1/06	. Needles specially adapted for hand embroidering ( <a href="#">sewing needles D05B 85/00</a> ); Holders for needles or threads	11/10	. . Guides, e.g. resilient
1/065	. . { <a href="#">Holders for needles or threads</a> }	11/12	. . Rollers
1/08	. Patterns for hand embroidering; Manufacture thereof	11/14	. . Stop motions responsive to thread tension or breakage
<b>Embroidering machines</b> ({ <a href="#">embroidering attachments for sewing machines D05B 3/243</a> }; <a href="#">programme-controlled sewing machines with embroidering capability D05B 19/00, D05B 21/00</a> )		11/16	. Arrangements for repeating thread patterns or for changing threads
<b>3/00</b>	<b>General types of embroidering machines</b>	11/18	. Shuttles; { <a href="#">Shuttle holders</a> ; <a href="#">Shuttle driving arrangements</a> }
3/02	. with vertical needles	11/20	. Arrangements for cutting the needle or lower threads
3/04	. with horizontal needles	11/22	. Arrangements for cutting-out broken threads
<b>5/00</b>	<b>Embroidering machines with arrangements for automatic control of a series of individual steps</b>	11/24	. incorporating devices for dyeing or impregnating the threads
5/02	. by electrical or magnetic control devices	<b>13/00</b>	<b>Auxiliary devices incorporated in embroidering machines, not otherwise provided for; Ancillary apparatus for use with embroidering machines</b>
5/04	. by input of recorded information, e.g. on perforated tape	13/02	. Counting, measuring, indicating, warning, or safety devices
5/06	. . with means for recording the information	13/04	. Lubricating devices
<b>7/00</b>	<b>Special-purpose or automatic embroidering machines</b>	13/06	. Apparatus for filling or threading shuttles
7/02	. with accessories for peculiar kinds of embroidery	<b>15/00</b>	<b>Making pile fabrics or articles having similar surface features by inserting loops into a base material</b> ( <a href="#">layered products B32B</a> ; <a href="#">non-woven pile fabrics D04H 11/00</a> )
7/04	. for boring or jogging	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> )
7/06	. for embroidering festoons	15/04	. Tufting
7/08	. for attaching cords, tapes, bands, or the like	15/06	. . Hand tufting needles { <a href="#">Hand-held tufting apparatus</a> }
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> )	15/08	. . Tufting machines {( <a href="#">D05C 15/06 takes precedence</a> )}
7/12	. for making cotton buttons	15/10	. . . operating with a plurality of needles, e.g. in one row
<b>9/00</b>	<b>Appliances for holding or feeding the base fabric in embroidering machines</b>	15/12	. . . . in more than one row
9/02	. in machines with vertical needles	15/14	. . . Arrangements or devices for holding or feeding the base material ( <a href="#">D05C 15/26 takes precedence</a> )
9/04	. . Work holders, e.g. frames	15/145	. . . . { <a href="#">Needle plates</a> }
9/06	. . . Feeding arrangements therefor, e.g. influenced by patterns, operated by pantographs	15/16	. . . Arrangements or devices for manipulating threads ( <a href="#">D05C 15/26 takes precedence</a> )
9/08	. in machines with horizontal needles	15/18	. . . . Thread feeding or tensioning arrangements
9/10	. . Work holders or carriers	15/20	. . . . Arrangements or devices, e.g. needles, for inserting loops; Driving mechanisms therefor
9/12	. . . Holding or stretching arrangements for the base fabric in embroidery work holders	15/22	. . . . Loop-catching arrangements, e.g. loopers; Driving mechanisms therefor
9/14	. . . Suspension or balancing arrangements therefor	15/24	. . . . Loop cutters; Driving mechanisms therefor
9/16	. . . Feeding arrangements therefor	15/26	. . . with provision for producing patterns
9/18	. Movement of the base fabric in one of the two directions controlled by embroidering needles	15/28	. . . . by moving the base material laterally
9/20	. Movement of the base fabric controlled by the presser feet; Driving arrangements therefor	15/30	. . . . by moving the tufting tools laterally
9/22	. Adjusting or registering devices for the base fabric, e.g. for alignment with respect to the needles	15/32	. . . . by altering the loop length
<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>		
11/02	. Machine needles		

- 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}