

CPC COOPERATIVE PATENT CLASSIFICATION

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

1/00	Apparatus, devices, or tools for hand embroidering	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 D05C 11/18)}
1/06	. Needles specially adapted for hand embroidering (sewing needles D05B 85/00); Holders for needles or threads	11/10	. . Guides, e.g. resilient
1/065	. . { Holders for needles or threads }	11/12	. . Rollers
1/08	. Patterns for hand embroidering; Manufacture thereof	11/14	. . Stop motions responsive to thread tension or breakage
Embroidering machines ({embroidering attachments for sewing machines D05B 3/243} ; programme-controlled sewing machines with embroidering capability D05B 19/00, D05B 21/00)		11/16	. Arrangements for repeating thread patterns or for changing threads
3/00	General types of embroidering machines	11/18	. Shuttles; { Shuttle holders ; Shuttle driving arrangements }
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
5/00	Embroidering machines with arrangements for automatic control of a series of individual steps	11/24	. incorporating devices for dyeing or impregnating the threads
5/02	. by electrical or magnetic control devices	13/00	Auxiliary devices incorporated in embroidering machines, not otherwise provided for; Ancillary apparatus for use with embroidering machines
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
7/00	Special-purpose or automatic embroidering machines	13/06	. Apparatus for filling or threading shuttles
7/02	. with accessories for peculiar kinds of embroidery	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)
7/04	. for boring or jogging	15/02	. Rooting of hair in doll heads or wigs (wigs A41G 3/00 ; hair or wigs for doll heads A63H 3/44)
7/06	. for embroidering festoons	15/04	. Tufting
7/08	. for attaching cords, tapes, bands, or the like	15/06	. . Hand tufting needles { Hand-held tufting apparatus }
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)	15/08	. . Tufting machines {(D05C 15/06 takes precedence)}
7/12	. for making cotton buttons	15/10	. . . operating with a plurality of needles, e.g. in one row
9/00	Appliances for holding or feeding the base fabric in embroidering machines	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 (D05C 15/26 takes precedence)
9/04	. . Work holders, e.g. frames	15/145 { Needle plates }
9/06	. . . Feeding arrangements therefor, e.g. influenced by patterns, operated by pantographs	15/16	. . . Arrangements or devices for manipulating threads (D05C 15/26 takes precedence)
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
11/00	Devices for guiding, feeding, handling, or treating the threads in embroidering machines; Machine needles; Operating or control mechanisms therefor		
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}