

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](#))

1/00	Apparatus, devices, or tools for hand embroidering	9/22	<ul style="list-style-type: none"> . Adjusting or registering devices for the base fabric, e.g. for alignment with respect to the needles
1/02	<ul style="list-style-type: none"> . Work frames 		
1/04	<ul style="list-style-type: none"> . . circular 	11/00	Devices for guiding, feeding, handling, or treating the threads in embroidering machines; Machine needles; Operating or control mechanisms therefor
1/06	<ul style="list-style-type: none"> . Needles specially adapted for hand embroidering (sewing needles D05B 85/00); Holders for needles or threads 	11/02	<ul style="list-style-type: none"> . Machine needles
1/065	<ul style="list-style-type: none"> . . {Holders for needles or threads} 	11/04	<ul style="list-style-type: none"> . . Arrangements for fastening or inserting in bars or carriers
1/08	<ul style="list-style-type: none"> . Patterns for hand embroidering; Manufacture thereof 	11/06	<ul style="list-style-type: none"> . . Needle-driving or control mechanisms
		11/08	<ul style="list-style-type: none"> . Thread-tensioning arrangements (inside the shuttle D05C 11/18)
		11/10	<ul style="list-style-type: none"> . . Guides, e.g. resilient
		11/12	<ul style="list-style-type: none"> . . Rollers
		11/14	<ul style="list-style-type: none"> . . Stop motions responsive to thread tension or breakage
		11/16	<ul style="list-style-type: none"> . Arrangements for repeating thread patterns or for changing threads
		11/18	<ul style="list-style-type: none"> . Shuttles {; Shuttle holders; Shuttle driving arrangements}
		11/20	<ul style="list-style-type: none"> . Arrangements for cutting the needle or lower threads
		11/22	<ul style="list-style-type: none"> . Arrangements for cutting-out broken threads
		11/24	<ul style="list-style-type: none"> . incorporating devices for dyeing or impregnating the threads
		13/00	Auxiliary devices incorporated in embroidering machines, not otherwise provided for; Ancillary apparatus for use with embroidering machines
		13/02	<ul style="list-style-type: none"> . Counting, measuring, indicating, warning, or safety devices
		13/04	<ul style="list-style-type: none"> . Lubricating devices
		13/06	<ul style="list-style-type: none"> . Apparatus for filling or threading shuttles
		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)
		15/02	<ul style="list-style-type: none"> . Rooting of hair in doll heads or wigs (wigs A41G 3/00; hair or wigs for doll heads A63H 3/44)
		15/04	<ul style="list-style-type: none"> . Tufting
		15/06	<ul style="list-style-type: none"> . . Hand tufting needles (Hand-held tufting apparatus)
		15/08	<ul style="list-style-type: none"> . . Tufting machines (D05C 15/06 takes precedence)
		15/10	<ul style="list-style-type: none"> . . . operating with a plurality of needles, e.g. in one row
		15/12	<ul style="list-style-type: none"> in more than one row
		15/14	<ul style="list-style-type: none"> . . . Arrangements or devices for holding or feeding the base material (D05C 15/26 takes precedence)
3/00	General types of embroidering machines		
3/02	<ul style="list-style-type: none"> . with vertical needles 		
3/04	<ul style="list-style-type: none"> . with horizontal needles 		
5/00	Embroidering machines with arrangements for automatic control of a series of individual steps		
5/02	<ul style="list-style-type: none"> . by electrical or magnetic control devices 		
5/04	<ul style="list-style-type: none"> . by input of recorded information, e.g. on perforated tape 		
5/06	<ul style="list-style-type: none"> . . with means for recording the information 		
7/00	Special-purpose or automatic embroidering machines		
7/02	<ul style="list-style-type: none"> . with accessories for peculiar kinds of embroidery 		
7/04	<ul style="list-style-type: none"> . for boring or jogging 		
7/06	<ul style="list-style-type: none"> . for embroidering festoons 		
7/08	<ul style="list-style-type: none"> . for attaching cords, tapes, bands, or the like 		
7/10	<ul style="list-style-type: none"> . for separating and burning-off parts of the base fabric (making patterns or designs on fabrics by singeing or etching D06C 23/02) 		
7/12	<ul style="list-style-type: none"> . for making cotton buttons 		
9/00	Appliances for holding or feeding the base fabric in embroidering machines		
9/02	<ul style="list-style-type: none"> . in machines with vertical needles 		
9/04	<ul style="list-style-type: none"> . . Work holders, e.g. frames 		
9/06	<ul style="list-style-type: none"> . . . Feeding arrangements therefor, e.g. influenced by patterns, operated by pantographs 		
9/08	<ul style="list-style-type: none"> . in machines with horizontal needles 		
9/10	<ul style="list-style-type: none"> . . Work holders or carriers 		
9/12	<ul style="list-style-type: none"> . . . Holding or stretching arrangements for the base fabric in embroidery work holders 		
9/14	<ul style="list-style-type: none"> . . . Suspension or balancing arrangements therefor 		
9/16	<ul style="list-style-type: none"> . . . Feeding arrangements therefor 		
9/18	<ul style="list-style-type: none"> . Movement of the base fabric in one of the two directions controlled by embroidering needles 		
9/20	<ul style="list-style-type: none"> . Movement of the base fabric controlled by the presser feet; Driving arrangements therefor 		

- 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}