

D05 SEWING; EMBROIDERING; TUFTING**D05C EMBROIDERING; TUFTING** (making non-woven fabrics D04H; sewing D05B)

HAND EMBROIDERY	1/00	Details.....	9/00, 11/00, 13/00
EMBROIDERING MACHINES		Auxiliary devices	13/00
General types of machines.....	3/00	MAKING PILE FABRICS BY INSERTING	
Machines with automatic control or		LOOPS	15/00
for special kinds of embroidery.....	5/00, 7/00	EMBROIDERED OR TUFTED PRODUCTS	17/00

1/00 Apparatus, devices, or tools for hand embroidering	11/00 Devices for guiding, feeding, handling, or treating the threads in embroidering machines; Machine needles; Operating or control mechanisms therefor
1/02 . Work frames	11/02 . Machine needles
1/04 . . circular	11/04 . . Arrangements for fastening or inserting in bars or carriers
1/06 . Needles specially adapted for hand embroidering (sewing needles D05B 85/00); Holders for needles or threads	11/06 . . Needle-driving or control mechanisms
1/08 . Patterns for hand embroidering; Manufacture thereof	11/08 . Thread-tensioning arrangements
	11/10 . . Guides, e.g. resilient
	11/12 . . Rollers
	11/14 . . Stop motions responsive to thread tension or breakage
	11/16 . Arrangements for repeating thread patterns or for changing threads
	11/18 . Shuttles
	11/20 . Arrangements for cutting the needle or lower threads
	11/22 . Arrangements for cutting-out broken threads
	11/24 . incorporating devices for dyeing or impregnating the threads
Embroidering machines (programme-controlled sewing machines with embroidering capability D05B 19/00, D05B 21/00)	13/00 Auxiliary devices incorporated in embroidering machines, not otherwise provided for; Ancillary apparatus for use with embroidering machines
3/00 General types of embroidering machines	13/02 . Counting, measuring, indicating, warning, or safety devices
3/02 . with vertical needles	13/04 . Lubricating devices
3/04 . with horizontal needles	13/06 . Apparatus for filling or threading shuttles
5/00 Embroidering machines with arrangements for automatic control of a series of individual steps	
5/02 . by electrical or magnetic control devices	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)
5/04 . by input of recorded information, e.g. on perforated tape	15/02 . Rooting of hair in doll heads or wigs (wigs A41G 3/00; hair or wigs for doll heads A63H 3/44)
5/06 . . with means for recording the information	15/04 . Tufting
7/00 Special-purpose or automatic embroidering machines	15/06 . . Hand tufting needles
7/02 . with accessories for peculiar kinds of embroidery	15/08 . . Tufting machines
7/04 . for boring or jogging	15/10 . . . operating with a plurality of needles, e.g. in one row
7/06 . for embroidering festoons	15/12 in more than one row
7/08 . for attaching cords, tapes, bands, or the like	15/14 . . . Arrangements or devices for holding or feeding the base material (D05C 15/26 takes precedence)
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)	15/16 . . . Arrangements or devices for manipulating threads (D05C 15/26 takes precedence)
7/12 . for making cotton buttons	15/18 Thread feeding or tensioning arrangements
9/00 Appliances for holding or feeding the base fabric in embroidering machines	15/20 Arrangements or devices, e.g. needles, for inserting loops; Driving mechanisms therefor
9/02 . in machines with vertical needles	
9/04 . . Work holders, e.g. frames	
9/06 . . . Feeding arrangements therefor, e.g. influenced by patterns, operated by pantographs	
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	
9/20 . Movement of the base fabric controlled by the presser feet; Driving arrangements therefor	
9/22 . Adjusting or registering devices for the base fabric, e.g. for alignment with respect to the needles	

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- 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