

## SECTION D — TEXTILES; PAPER

### D05 SEWING; EMBROIDERING; TUFTING

**D05C EMBROIDERING** (programme-controlled sewing machines with embroidering capability D05B 19/00, D05B 21/00); **TUFTING** (making non-woven fabrics D04H; sewing D05B)

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EMBROIDERING MACHINES.....	3/00
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<b>1/00 Apparatus, devices, or tools for hand embroidering [1, 2006.01]</b>	9/02 • in machines with vertical needles [1, 2006.01]
1/02 • Work frames [1, 2006.01]	9/04 • • Work holders, e.g. frames [1, 2006.01]
1/04 • • circular [1, 2006.01]	9/06 • • • Feeding arrangements therefor, e.g. influenced by patterns, operated by pantographs [1, 2006.01]
1/06 • Needles specially adapted for hand embroidering (sewing needles D05B 85/00); Holders for needles or threads [1, 2006.01]	9/08 • in machines with horizontal needles [1, 2006.01]
1/08 • Patterns for hand embroidering; Manufacture thereof [1, 2006.01]	9/10 • • Work holders or carriers [1, 2006.01]
	9/12 • • • Holding or stretching arrangements for the base fabric in embroidery work holders [1, 2006.01]
	9/14 • • • Suspension or balancing arrangements therefor [1, 2006.01]
	9/16 • • • Feeding arrangements therefor [1, 2006.01]
	9/18 • Movement of the base fabric in one of the two directions controlled by embroidering needles [1, 2006.01]
	9/20 • Movement of the base fabric controlled by the presser feet; Driving arrangements therefor [1, 2006.01]
	9/22 • Adjusting or registering devices for the base fabric, e.g. for alignment with respect to the needles [1, 2006.01]
<b>Embroidering machines</b>	
<b>3/00 General types of embroidering machines [1, 2006.01]</b>	<b>11/00 Devices for guiding, feeding, handling, or treating the threads in embroidering machines; Machine needles; Operating or control mechanisms therefor [1, 2006.01]</b>
3/02 • with vertical needles [1, 2006.01]	11/02 • Machine needles [1, 2006.01]
3/04 • with horizontal needles [1, 2006.01]	11/04 • • Arrangements for fastening or inserting in bars or carriers [1, 2006.01]
<b>5/00 Embroidering machines with arrangements for automatic control of a series of individual steps [1, 2006.01]</b>	11/06 • • Needle-driving or control mechanisms [1, 2006.01]
5/02 • by electrical or magnetic control devices [1, 2006.01]	11/08 • Thread-tensioning arrangements [1, 2006.01]
5/04 • by input of recorded information, e.g. on perforated tape [1, 2006.01]	11/10 • • Guides, e.g. resilient [1, 2006.01]
5/06 • • with means for recording the information [1, 2006.01]	11/12 • • Rollers [1, 2006.01]
<b>7/00 Special-purpose or automatic embroidering machines [1, 2006.01]</b>	11/14 • • Stop motions responsive to thread tension or breakage [1, 2006.01]
7/02 • with accessories for peculiar kinds of embroidery [1, 2006.01]	11/16 • Arrangements for repeating thread patterns or for changing threads [1, 2006.01]
7/04 • for boring or jogging [1, 2006.01]	11/18 • Shuttles [1, 2006.01]
7/06 • for embroidering festoons [1, 2006.01]	
7/08 • for attaching cords, tapes, bands, or the like [1, 2006.01]	
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) [1, 2006.01]	
7/12 • for making cotton buttons [1, 2006.01]	
<b>9/00 Appliances for holding or feeding the base fabric in embroidering machines [1, 2006.01]</b>	

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11/20	• Arrangements for cutting the needle or lower threads [1, 2006.01]	15/16	• • • Arrangements or devices for manipulating threads (D05C 15/26 takes precedence) [1, 2006.01]
11/22	• Arrangements for cutting-out broken threads [1, 2006.01]	15/18	• • • • Thread feeding or tensioning arrangements [1, 2006.01]
11/24	• incorporating devices for dyeing or impregnating the threads [1, 2006.01]	15/20	• • • • Arrangements or devices, e.g. needles, for inserting loops; Driving mechanisms therefor [1, 2006.01]
<b>13/00</b>	<b>Auxiliary devices incorporated in embroidering machines, not otherwise provided for; Ancillary apparatus for use with embroidering machines [1, 2006.01]</b>	15/22	• • • • Loop-catching arrangements, e.g. loopers; Driving mechanisms therefor [1, 2006.01]
13/02	• Counting, measuring, indicating, warning, or safety devices [1, 2006.01]	15/24	• • • • Loop cutters; Driving mechanisms therefor [1, 2006.01]
13/04	• Lubricating devices [1, 2006.01]	15/26	• • • • with provision for producing patterns [1, 2006.01]
13/06	• Apparatus for filling or threading shuttles [1, 2006.01]	15/28	• • • • by moving the base material laterally [1, 2006.01]
<hr/>		15/30	• • • • by moving the tufting tools laterally [1, 2006.01]
<b>15/00</b>	<b>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) [1, 2006.01]</b>	15/32	• • • • by altering the loop length [1, 2006.01]
15/02	• Rooting of hair in doll heads or wigs (wigs A41G 3/00; hair or wigs for doll heads A63H 3/44) [1, 2006.01]	15/34	• • • • by inserting loops of different nature or colour [1, 2006.01]
15/04	• Tufting [1, 2006.01]	15/36	• • • • by selective cutting of loops [1, 2006.01]
15/06	• • Hand tufting needles [1, 2006.01]	15/38	• by passing thread material in zig-zag manner through spaced layers of base material and subsequently cutting along a central plane [1, 2006.01]
15/08	• • Tufting machines [1, 2006.01]	<b>17/00</b>	<b>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) [1, 2006.01]</b>
15/10	• • • operating with a plurality of needles, e.g. in one row [1, 2006.01]	17/02	• Tufted products [1, 2006.01]
15/12	• • • • in more than one row [1, 2006.01]		
15/14	• • • Arrangements or devices for holding or feeding the base material (D05C 15/26 takes precedence) [1, 2006.01]		