

**CPC****COOPERATIVE PATENT CLASSIFICATION****D04C**

**BRAIDING OR MANUFACTURE OF LACE, INCLUDING BOBBIN-NET OR CARBONISED LACE; BRAIDING MACHINES; BRAID; LACE**  
 (machines for making soles from strips of material [A43D 29/00](#); cane working [B27J 1/00](#))

**D04C 1/00**

**Braid or lace, e.g. pillow-lace; Processes for the manufacture thereof**

## D04C 1/02

- . made from particular materials

## D04C 1/04

- .. Carbonised or like lace

## D04C 1/06

- . Braid or lace serving particular purposes

## D04C 1/08

- .. Tulle fabrics

## D04C 1/10

- ... Pattern tulle fabrics

## D04C 1/12

- .. Cords, lines, or tows

**D04C 3/00**

**Braiding or lacing machines**

## D04C 3/02

- . with spool carriers guided by track plates or by bobbin heads exclusively

## D04C 3/04

- .. with spool carriers guided and reciprocating in non-endless paths

## D04C 3/06

- .. with spool carriers moving always in the same direction in endless paths

## D04C 3/08

- .. with means for superimposing threads or braids

## D04C 3/10

- .. with means for forming edge loops, ears, or eyes

## D04C 3/12

- .. with means for introducing core threads

## D04C 3/14

- .. Spool carriers

## D04C 3/16

- ... for horizontal spools

## D04C 3/18

- ... for vertical spools

## D04C 3/20

- .. Arrangement of bobbin heads and guides or track plates in the machine

## D04C 3/22

- .. Guide or track plates (with means for controlling spool carriers [D04C 3/24](#))

## D04C 3/24

- .. Devices for controlling spool carriers to obtain patterns, e.g. devices on guide or track plates

## D04C 3/26

- ... by stopping bobbin heads

## D04C 3/28

- ... by stopping only the spool carrier

## D04C 3/30

- ... by controlling switches of guide or track plates

## D04C 3/32

- .. Pattern input

## D04C 3/34

- .. Beater, or beat-up, mechanisms

## D04C 3/36

- .. Frames

## D04C 3/38

- .. Driving-gear; Starting or stopping mechanisms

## D04C 3/40

- . for making tubular braids by circulating strand supplies around braiding centre at equal distances

## D04C 3/42

- .. with means for forming sheds by controlling guides for individual threads

D04C 3/44 . . with means for forming sheds by subsequently diverting various threads using the same guiding means

D04C 3/46 . . with thread carriers supported on rolls

D04C 3/48 . Auxiliary devices

## **D04C 5/00 Twist or bobbin-net lace-making machines**

D04C 5/02 . Net looms for tulle fabrics

D04C 5/04 . Net or lace curtain machines

D04C 5/06 . Machines for making twist-lace fabrics

D04C 5/08 . Bobbin carriages ([bobbins B65H 75/02](#))

D04C 5/10 . Bobbin-carriage guides; Drives for swinging bobbin carriages

D04C 5/12 . Drives for advancing bobbin carriages

D04C 5/14 . . Pattern input

D04C 5/16 . Warp thread feeding or guiding devices

D04C 5/18 . . Guide bars; Guiding means therefor; Pattern input by control thereof

D04C 5/20 . . Jacks or pickers; Pattern input by control thereof

D04C 5/22 . Delivery devices

D04C 5/24 . Driving-gear; Starting or stopping mechanisms

D04C 5/26 . Auxiliary devices

## **D04C 7/00 Tools or apparatus for braiding or lacing by hand**