

Title (en)

Mascara brush and method of manufacture

Title (de)

Maskarabürste und Verfahren zur Herstellung

Title (fr)

Brosse de maquillage et procédé de fabrication d'une telle brosse

Publication

**EP 0611170 B1 19970514 (FR)**

Application

**EP 94400003 A 19940103**

Priority

FR 9301344 A 19930208

Abstract (en)

[origin: EP0611170A1] The brush (1) includes a core (2) formed from a metal wire curved into the shape of a U and the branches of which are twisted in order to trap between them the radial bristles (3), the core (2) being fastened to the end of a wand (rod) (6). The branches of the core are twisted by turning to the left (clockwise), in order to form spirals which turn clockwise around the axis (X) of the core when progressing from the wand towards the end of the brush, whilst the bristles (3) of the brush form helical sheets (layers) (S) rising from left to right in the zone located between the core and an observer who is holding the brush in front of her substantially vertically with its tip (point) turned upwards. <IMAGE>

IPC 1-7

**A46B 3/18**; **A46D 3/05**

IPC 8 full level

**A45D 34/04** (2006.01); **A45D 40/26** (2006.01); **A46B 3/18** (2006.01); **A46D 3/05** (2006.01)

CPC (source: EP US)

**A46B 3/18** (2013.01 - EP US); **A46D 3/05** (2013.01 - EP US); **A46B 2200/1053** (2013.01 - EP US)

Cited by

US7476044B2; US8007191B2; US6464967B1; US6264933B1; US8221015B2; WO2005094760A1; EP1772074A2; US7946778B2; WO2011051852A2; US8651760B2; EP1302128A1; FR2830421A1; US7069936B2; US6375941B1; US7820151B2; US8091561B2; US8662090B2; EP1177745A1; FR2811525A1; US6494215B2; WO2013034638A1; US6641821B1; US7923002B2; WO2014147513A1; US8932573B2; EP1510149A1; FR2859082A1; WO2010150162A1; US9560904B2; EP2229839A2; US7883690B2; US8651117B2

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