

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 A1 19940817 (FR)

Application

EP 94400003 A 19940103

Priority

FR 9301344 A 19930208

Abstract (en)

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>

Abstract (fr)

La brosse (1) comporte une âme (2) formée à partir d'un fil métallique recourbée en U et dont les branches sont torsadées pour emprisonner entre elles des poils radiaux (3), l'âme (2) étant fixée au bout d'une tige (6). Les branches de l'âme sont torsadées en tournant à gauche, pour former des spires qui tournent en sens d'horloge autour de l'axe (X) de l'âme quand on progresse de la tige vers l'extrémité de la brosse, tandis que les poils (3) de la brosse forment des nappes hélicoïdales (S) montant de gauche à droite dans la zone située entre l'âme et un observateur qui tient devant lui la brosse sensiblement verticale avec sa pointe tournée vers le haut. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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Cited by

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

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