

Title (en)  
Mascara brush

Title (de)  
Mascara-Bürstchen

Title (fr)  
Mascara brosse

Publication  
**EP 1647202 B1 20070822 (DE)**

Application  
**EP 04023872 A 20041007**

Priority  
EP 04023872 A 20041007

Abstract (en)  
[origin: EP1647202A1] The brush has bristles projecting outwards from an oblong core. The bristles have varying lengths such that a number of longer and shorter bristles, by their tips, form an outer envelope (9) and an inner envelope (11), respectively. The envelope (11) of the shorter bristles is one of a conical, double-conical, convex and concave and combination. The bristles are fixed between intertwined wire sections. An independent claim is also included for a method for the manufacture of a mascara brush.

IPC 8 full level  
**A46B 9/02** (2006.01)

CPC (source: EP US)  
**A46B 3/18** (2013.01 - EP US); **A46B 9/021** (2013.01 - EP US); **A46B 9/028** (2013.01 - EP US); **A46B 2200/1053** (2013.01 - EP US)

Cited by  
EP1992251A1; US8201566B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1647202 A1 20060419; EP 1647202 B1 20070822**; AT E370679 T1 20070915; DE 502004004749 D1 20071004; ES 2290603 T3 20080216; JP 2006102509 A 20060420; JP 4741921 B2 20110810; PL 1647202 T3 20071130; US 2006076031 A1 20060413; US 7314050 B2 20080101

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**EP 04023872 A 20041007**; AT 04023872 T 20041007; DE 502004004749 T 20041007; ES 04023872 T 20041007; JP 2005292375 A 20051005; PL 04023872 T 20041007; US 24278605 A 20051005