

Title (en)  
Applicator manufactured in one piece with brush envelope providing bristle openings

Title (de)  
Einteilig hergestellter Applikator mit Borstendurchschuss

Title (fr)  
Applicateur en un seul tenant doté de perforation pour poils de brosse

Publication  
**EP 2815674 A3 20150429 (DE)**

Application  
**EP 14172123 A 20140612**

Priority  
DE 202013005486 U 20130619

Abstract (en)  
[origin: US2014376988A1] Cosmetics applicator 1, in particular, having the form of a mascara applicator with a cap 3 forming a grip area 2 for tight closing of a cosmetics reservoir, which as one piece turns into a shaft 4 protruding from it which shaft 4, in turn, as one piece forms a handle segment 5 and a bristle-carrying segment 6 with the bristle-carrying segment 6 as such having a hollow structure and supporting injected bristles 7 which are integrally connected with a plastic core 8 covering or filling the inside of the bristle-carrying segment 6 through the wall of the bristle-carrying segment 6 with the cap 3 and the shaft 4 preferably consisting of a different plastic material than the plastic core 8 and the bristles 7.

IPC 8 full level  
**A45D 40/26** (2006.01); **A46B 9/02** (2006.01)

CPC (source: EP US)  
**A45D 40/265** (2013.01 - EP US); **A46B 9/021** (2013.01 - EP US); **A46B 2200/1053** (2013.01 - EP US)

Citation (search report)

- [X] DE 10130863 A1 20030220 - CORONET WERKE GMBH [DE]
- [A] FR 2955018 A1 20110715 - OREAL [FR], et al
- [A] US 2006056903 A1 20060316 - GUERET JEAN-LOUIS H [FR]
- [A] EP 2229838 A1 20100922 - OEKAMETALL OEHLHORN GMBH & CO [DE]
- [A] EP 2486822 A2 20120815 - GEKA GMBH [DE]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 202013005486 U1 20140923**; EP 2815674 A2 20141224; EP 2815674 A3 20150429; EP 2815674 B1 20160824;  
US 2014376988 A1 20141225

DOCDB simple family (application)  
**DE 202013005486 U 20130619**; EP 14172123 A 20140612; US 201414306847 A 20140617