

Title (en)

Applicator with tubular coated core element

Title (de)

Applikator mit rohrförmigem, umspritztem Kernelement

Title (fr)

Applicateur doté d'un élément de noyau tubulaire et surmoulé

Publication

EP 2486822 A3 20130109 (DE)

Application

EP 12150782 A 20120111

Priority

DE 202011002793 U 20110216

Abstract (en)

[origin: EP2486822A2] The applicator has an applicator element (4) consisting of a core element (5) and partly surrounded by a bristle element (6). The core element and the bristle element are made of materials having different hardness and flexibility. The core element is internally hollow with a cavity (18) forming pipe section (8) in direction along longitudinal axis (L). Bristle element is integrated with a bristle carrier pipe (7) from which bristles (9) are protruded. An independent claim is included for cosmetic system.

IPC 8 full level

A46B 9/02 (2006.01); **A46B 3/00** (2006.01); **A46D 1/00** (2006.01)

CPC (source: EP US)

A46B 3/005 (2013.01 - EP US); **A46B 9/021** (2013.01 - EP US); **A46D 1/00** (2013.01 - EP US); **A46B 2200/1053** (2013.01 - EP US)

Citation (search report)

- [XAI] EP 1752062 A1 20070214 - GEKA BRUSH GMBH [DE]
- [A] EP 2084987 A1 20090805 - GEKA BRUSH GMBH [DE]

Cited by

EP2815674A3; WO2018220286A1; WO2014207673A1; EP2978340B1; WO2014155328A1

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)

EP 2486822 A2 20120815; EP 2486822 A3 20130109; EP 2486822 B1 20170816; CN 102641037 A 20120822; DE 202011002793 U1 20120612; US 2012211019 A1 20120823; US 8997759 B2 20150407

DOCDB simple family (application)

EP 12150782 A 20120111; CN 201210035607 A 20120216; DE 202011002793 U 20110216; US 201213398145 A 20120216