

Title (en)

Brush and device for storing and applying comprising such a brush

Title (de)

Bürste und Vorrichtung zur Aufnahme und zum Auftrag mit einer solchen Bürste

Title (fr)

Brosse et dispositif de conditionnement et d'application comportant une telle brosse

Publication

EP 1459647 B1 20060621 (FR)

Application

EP 04290752 A 20040319

Priority

FR 0303448 A 20030320

Abstract (en)

[origin: EP1459647A1] The brush has a twisted core (10) that defines the whorls, and bristles that extend from the core. Two distorted bristles (12) are placed between two adjacent whorls (10a, 10b), and provide removal or stretching or crushing of a matter in one point along their length. The bristles non-radially extend towards an external end, starting from the point. Independent claims are also included for the following: (a) a conditioning device having the brush (b) a procedure for the application of a product on keratinous fibers.

IPC 8 full level

A45D 34/04 (2006.01); **A45D 40/26** (2006.01); **A46B 3/18** (2006.01); **A46B 9/02** (2006.01); **A46B 9/06** (2006.01); **A46D 1/04** (2006.01); **A46D 9/00** (2006.01); **A46D 9/02** (2006.01)

CPC (source: EP KR US)

A45D 34/04 (2013.01 - KR); **A46B 3/18** (2013.01 - EP US); **A46B 9/021** (2013.01 - EP US); **A46D 1/0238** (2013.01 - EP US); **A46D 1/04** (2013.01 - EP US); **A46D 9/02** (2013.01 - EP US); **A45D 40/265** (2013.01 - EP US); **A46B 2200/1053** (2013.01 - EP US); **A46B 2200/106** (2013.01 - EP US)

Cited by

EP1977662A1; EP2471409A1; FR2914163A1; US2022192354A1; US11857065B2; US8127777B2; WO2008125987A3; EP1632149A2; WO2012137134A1; EP2005858A2; US8851087B2; US9357834B2; US8122895B2; EP1977661A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1459647 A1 20040922; **EP 1459647 B1 20060621**; BR PI0400289 A 20041103; BR PI0400289 B1 20121225; CN 1589697 A 20050309; CN 1589697 B 20100811; DE 602004001252 D1 20060803; DE 602004001252 T2 20070503; ES 2265622 T3 20070216; FR 2852500 A1 20040924; FR 2852500 B1 20070223; JP 2004283593 A 20041014; JP 2008012357 A 20080124; JP 4644432 B2 20110302; JP 4845844 B2 20111228; KR 100576634 B1 20060504; KR 20040082985 A 20040930; US 2004240926 A1 20041202; US 7125188 B2 20061024

DOCDB simple family (application)

EP 04290752 A 20040319; BR PI0400289 A 20040317; CN 200410029611 A 20040319; DE 602004001252 T 20040319; ES 04290752 T 20040319; FR 0303448 A 20030320; JP 2004080597 A 20040319; JP 2007258675 A 20071002; KR 20040018751 A 20040319; US 80531704 A 20040322