

Title (en)

NOVEL DEVICE FOR APPLYING A FLUID TO KERATIN FIBRES

Title (de)

NEUE VORRICHTUNG ZUM AUFTRAGEN EINES FLUIDS AUF KERATINFASERN

Title (fr)

NOUVEAU DISPOSITIF APPLICATEUR D'UN FLUIDE SUR DES FIBRES KERATINIQUES

Publication

**EP 2654490 A2 20131030 (FR)**

Application

**EP 11817345 A 20111215**

Priority

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Abstract (en)

[origin: WO2012085398A2] The present invention relates to a device for applying a fluid or pasty product to keratin fibres, comprising an elongate core (1) extending on a longitudinal axis XX. Advantageously, the device additionally comprises at least one pliant and flexible rod (2), which is oriented longitudinally and is embedded, at least at a first and a second point, on said longitudinal core (1), so as to form at least one zone of flexion perpendicular to the longitudinal axis XX; it is made in one piece and preferably from a plastic material.

IPC 8 full level

**A45D 40/26** (2006.01); **A46B 9/02** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2012085398A2

Citation (third parties)

Third party :

- FR 2506581 A1 19821203 - OREAL [FR]
- US 2005217691 A1 20051006 - PETIT ROBERT [FR]
- VENKATASWAMY K. ET AL.: "OVERMOLDING OF TPES: ENGINEERED SOLUTIONS FOR CONSUMER PRODUCT DIFFERENTIATION", RUBBER WORLD, vol. 227, no. 3, December 2002 (2002-12-01), pages 27 - 31, 47, XP003035291

Cited by

WO2012085398A2; WO2017115022A1

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DOCDB simple family (publication)

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