

Title (en)

HAIR CARE DEVICE AND METHOD FOR ENHANCING UPTAKE OF A TOPICAL IN HAIR

Title (de)

HAARPFLEGEVORRICHTUNG UND VERFAHREN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE SOIN DES CHEVEUX

Publication

**EP 3319472 B1 20190109 (EN)**

Application

**EP 16791375 A 20161103**

Priority

- EP 15194604 A 20151113
- EP 2016076469 W 20161103

Abstract (en)

[origin: WO2017080891A1] A hair care device for enhancing uptake of a topical in hair. The hair care device comprises a topical delivery unit for applying the topical to the hair surface, an ultrasound generator (103) for generating ultrasound at a frequency exceeding 15 MHz, wherein an ultrasound intensity is in a range between 2 W/cm<sup>2</sup> and 100 W/cm<sup>2</sup>, and an ultrasound transducer (105) for applying ultrasound to the topical and/or the hair surface to enhance uptake of the topical by the hair.

IPC 8 full level

**A45D 2/00** (2006.01); **A45D 24/02** (2006.01)

CPC (source: EP RU US)

**A45D 2/001** (2013.01 - EP RU US); **A45D 7/06** (2013.01 - US); **A45D 24/02** (2013.01 - EP RU US); **A45D 24/22** (2013.01 - US);  
**A45D 19/16** (2013.01 - US); **A45D 2200/207** (2013.01 - EP US)

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

DOCDB simple family (publication)

**WO 2017080891 A1 20170518**; CN 107708473 A 20180216; CN 107708473 B 20200707; EP 3319472 A1 20180516; EP 3319472 B1 20190109;  
JP 2018533411 A 20181115; JP 6480643 B2 20190313; MX 2017015917 A 20180507; RU 2657167 C1 20180608; US 2018235341 A1 20180823

DOCDB simple family (application)

**EP 2016076469 W 20161103**; CN 201680035385 A 20161103; EP 16791375 A 20161103; JP 2018521626 A 20161103;  
MX 2017015917 A 20161103; RU 2018101233 A 20161103; US 201615746187 A 20161103