

Title (en)

A device to treat hair using ultrasound

Title (de)

Vorrichtung zur Haarbehandlung durch Ultraschall

Title (fr)

Dispositif pour le traitement de cheveux à l'aide d'ultrasons

Publication

EP 2095737 B1 20120418 (EN)

Application

EP 08152114 A 20080229

Priority

EP 08152114 A 20080229

Abstract (en)

[origin: EP2095737A1] With a device (1) to treat hair using ultrasound having two clamps (2, 3), which are connected to one another via a joint (4) and which swivel, an oscillating body (5) is arranged on an interior side (6) of a clamp (3). The oscillating body (5) is positioned such that a strand of hair (7), which is clamped between the clamps (2, 3) when the clamps are closed, comes into contact with the oscillating body (5) or is touching it. An ultrasound generator (8) and a resonator (9) are connected to one another and generate an ultrasound frequency for the oscillating body (5). So that not only the ultrasound vibration is transmitted to the strand of hair (7) and that a product (27) is better distributed in the hair, but that also a quicker reaction of the product occurs on the hair, it is suggested to additionally design the oscillating body (5) as a heat generator. This is achieved in that the direction of oscillation (11) of the oscillating body (5) is the same as the direction (12) in which the clamp (3) having the oscillating body (5) extends.

IPC 8 full level

A45D 1/04 (2006.01); **A45D 7/02** (2006.01)

CPC (source: EP US)

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Cited by

KR20130008264A; CN102740726A; FR2976804A1; GB2468176A; WO2012107776A2; WO2011098349A1; WO2013139581A1; WO2012107776A3; WO2012175734A1; US10863811B2

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EP 2095737 A1 20090902; **EP 2095737 B1 20120418**; AT E553668 T1 20120515; CN 101959437 A 20110126; JP 2011512223 A 20110421; MX 2010009317 A 20100922; US 2011100390 A1 20110505; WO 2009107034 A1 20090903

DOCDB simple family (application)

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