

Title (en)

HAIR CURLING DEVICE WITH INCLINED MANDREL AND INCLINED CURLER

Title (de)

LOCKENWICKELVORRICHTUNG MIT EINEM SCHRÄGEN DORN UND EINEM SCHRÄGEN HAARWICKLER

Title (fr)

APPAREIL DE COIFFURE POUR LE BOUCLAGE DES CHEVEUX AVEC UN MANDRIN ET UN ENROULEUR INCLINES

Publication

**EP 3331398 B1 20190508 (FR)**

Application

**EP 16745801 A 20160712**

Priority

- FR 1557630 A 20150807
- FR 2016051800 W 20160712

Abstract (en)

[origin: WO2017025671A1] The invention relates to a hair styling appliance (1) for curling hair, comprising a gripping handle defined along a first axis X1 and a housing (2) having a winding chamber (8) defining a second axis (X2), an introduction slot (7) and an extraction opening (9). These two axes (X1, X2) form a plane (P). A barrel (10) has a fixed end (10a) and a free end (10b) disposed close to the extraction opening and extends in the winding chamber along a third axis (X3) defined in the plane (P). The third axis (X3) is inclined at an angle ( $\alpha$ ) with respect to the first axis (X1) such that the free end is farther away from the gripping handle than the fixed end. The appliance comprises a hollow winder (11) arranged at a first spacing (12) around the barrel, coaxially with said barrel. The winder is mounted so as to rotate about the third axis and is configured to successively grasp the proximal end of the lock, concomitantly wind the lock about the barrel and said winder, and then completely wind said lock around said barrel, as it rotates.

IPC 8 full level

**A45D 1/16** (2006.01); **A45D 2/02** (2006.01); **A45D 2/08** (2006.01); **A45D 2/10** (2006.01)

CPC (source: EP KR RU US)

**A45D 1/02** (2013.01 - US); **A45D 1/16** (2013.01 - EP KR RU US); **A45D 2/02** (2013.01 - EP RU US); **A45D 2/08** (2013.01 - EP KR RU US); **A45D 2/10** (2013.01 - EP KR RU US); **A45D 2/362** (2013.01 - 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)

**FR 3039753 A1 20170210**; **FR 3039753 B1 20170901**; BR 112018002532 A2 20180925; CN 108348059 A 20180731; CN 108348059 B 20210101; EP 3331398 A1 20180613; EP 3331398 B1 20190508; ES 2729478 T3 20191104; JP 2018521810 A 20180809; KR 102547525 B1 20230626; KR 20180038488 A 20180416; RU 2018107264 A 20190909; RU 2018107264 A3 20191031; RU 2710462 C2 20191226; US 2018220766 A1 20180809; WO 2017025671 A1 20170216

DOCDB simple family (application)

**FR 1557630 A 20150807**; BR 112018002532 A 20160712; CN 201680058445 A 20160712; EP 16745801 A 20160712; ES 16745801 T 20160712; FR 2016051800 W 20160712; JP 2018506320 A 20160712; KR 20187006442 A 20160712; RU 2018107264 A 20160712; US 201615750036 A 20160712