

Title (en)  
HAIR STYLING DEVICE

Title (de)  
HAARSTYLINGVORRICHTUNG

Title (fr)  
DISPOSITIF DE COIFFURE

Publication  
**EP 3721751 A1 20201014 (EN)**

Application  
**EP 19167741 A 20190408**

Priority  
EP 19167741 A 20190408

Abstract (en)  
A hair styling device (B) comprises a sensor (MP) having an active mode in which the sensor (MP) is arranged for contacting hair, and an inactive mode in which the sensor (MP) is arranged for not contacting the hair. In one embodiment, the sensor (MP) is provided with a cap (C) for covering the sensor in the inactive mode. In another embodiment, the sensor (MP) is movable between a first position in which the sensor (MP) is arranged for contacting hair in the active mode, and a second position in which the sensor (MP) is arranged for not contacting the hair in the inactive mode. Advantageously, the hair styling device (B) further comprises a control unit (CU) for communicating with a user device, separate from the hair styling device, the hair styling device (B) being arranged for switching between the active mode and the inactive mode in response to a control signal received from the user device. The hair styling device may further comprise a removable hair styling unit (HS) that does not include the sensor (MP).

IPC 8 full level  
**A45D 20/48** (2006.01); **A45D 24/10** (2006.01); **A46B 15/00** (2006.01)

CPC (source: EP)  
**A45D 20/48** (2013.01); **A45D 24/10** (2013.01); **A46B 9/023** (2013.01)

Citation (applicant)  
WO 2019057575 A1 20190328 - KONINKLIJKE PHILIPS NV [NL]

Citation (search report)  
• [X] US 2009147081 A1 20090611 - HANSON THOMAS [US]  
• [X] EP 1958531 A1 20080820 - MATSUSHITA ELECTRIC WORKS LTD [JP]  
• [X] US 2005120779 A1 20050609 - SHERMAN FAIZ F [US], et al  
• [X] CN 104720742 A 20150624 - SHAANXI XUNTENG COMM TECHNOLOGY CO LTD

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3721751 A1 20201014**; CN 212678569 U 20210312

DOCDB simple family (application)  
**EP 19167741 A 20190408**; CN 202020490301 U 20200407