

Title (en)  
HAIR STYLING DEVICE

Title (de)  
HAARSTYLINGVORRICHTUNG

Title (fr)  
DISPOSITIF DE COIFFURE

Publication  
**EP 3453281 A1 20190313 (EN)**

Application  
**EP 17190266 A 20170910**

Priority  
EP 17190266 A 20170910

Abstract (en)  
In a hair styling device (S) comprising a light engine (LE) to deliver optical energy to hair, the hair styling device (S) is arranged to allow moist (M) escaping from the hair in response to optical energy being applied to the hair, to escape from the hair styling device (S). A ventilator may move the moist away from the light engine. A processor may control the light engine (LE), in which case the ventilator may also serve to cool the processor and/or the light engine (LE). The hair styling device (S) may comprise clamping members (S1, S2) arranged for allowing hair to be guided between and styled by the clamping members, at least one of the clamping members (S1, S2) being provided with the light engine (LE). At least one of the clamping members (S1, S2) may be provided with openings for allowing moist (M) to escape, or with openings for allowing air (A) to enter so as to convey the moist (M) out of the hair styling device (S). The clamping members (S1, S2) may have non-conforming shapes to allow the moist (M) to escape from the hair styling device (S). A hair treatment area comprising the light engine (LE) may have a gap (G) through which the hair (H) can be guided, the gap (G) being sufficiently wide to allow the moist (M) to escape. A width of the gap (G) may be between 0.3 and 5 mm, and preferably between 1 and 2 mm.

IPC 8 full level  
**A45D 2/00** (2006.01); **A45D 1/04** (2006.01)

CPC (source: EP)  
**A45D 1/04** (2013.01); **A45D 2/001** (2013.01); **A45D 2200/205** (2013.01)

Citation (applicant)  
• EP 2861096 A1 20150422 - BSH HAUSGERAETE GMBH [DE]  
• EP 3216368 A1 20170913 - KONINKLIJKE PHILIPS NV [NL]  
• US 2015327650 A1 20151119 - FERREYRE RÉGIS [FR]  
• US 2009159093 A1 20090625 - YU KENT [US]

Citation (search report)  
• [XAI] FR 2979202 A1 20130301 - SEB SA [FR]  
• [X] EP 2110040 A2 20091021 - BLUECERAMIC CO LTD [KR]  
• [XI] WO 2014108775 A1 20140717 - MOYAL DANIEL [IL]

Cited by  
WO2019048446A1; WO2019048357A1; WO2019048285A1

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 3453281 A1 20190313**

DOCDB simple family (application)  
**EP 17190266 A 20170910**