

Title (en)
HAIR STYLING DEVICE

Title (de)
HAARSTYLINGVORRICHTUNG

Title (fr)
DISPOSITIF DE COIFFURE

Publication
EP 3453282 A1 20190313 (EN)

Application
EP 17190265 A 20170910

Priority
EP 17190265 A 20170910

Abstract (en)
In a hair styling device (20) comprising a heat source (22) for heating hair, and an optical radiation source (21) for - in combination with heat from the heat source (22) - heating the hair to a temperature sufficiently high for hair styling, the heat source (22) obtains its heat from energy provided by the optical radiation source (21), and in a preferred embodiment, only from the optical radiation source (21). Advantageously, the heat source (22) may include a heat sink of the optical radiation source (21). The optical radiation source (21, 31) may advantageously be covered by a cover (23) that is not fully transparent, whereby optical radiation energy is transformed into thermal energy, the heat source including the cover (23). The cover may advantageously be largely transparent for wavelengths effective for hair styling, while the cover (23) is largely not transparent for wavelengths less effective for hair styling. Advantageously, the optical radiation source (21) may be covered by a cover (23) that is heated by the heat source (22).

IPC 8 full level
A45D 2/36 (2006.01); **A45D 20/08** (2006.01)

CPC (source: EP)
A45D 2/367 (2013.01); **A45D 20/08** (2013.01); **A45D 2200/205** (2013.01)

Citation (applicant)
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Designated contracting state (EPC)
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Designated extension state (EPC)
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