

Title (en)  
HAIR CARE DEVICE

Title (de)  
HAARPFLEGEVORRICHTUNG

Title (fr)  
DISPOSITIF POUR SOINS CAPILLAIRES

Publication  
**EP 3315045 A1 20180502 (EN)**

Application  
**EP 16196375 A 20161028**

Priority  
EP 16196375 A 20161028

Abstract (en)  
A hair care device (100) comprising an ion generator (500) for providing ions to hair, and a switching circuit (300) for switching on the ion generator later than a moment when the hair care device (100) has been switched on, e.g. when the hair has become sufficiently dry to become susceptible of static electricity and frizz related problems. The switching circuit (300) may receive an input from a sensor (S) for measuring a moisture level of the hair, a sensor (S) for measuring a temperature of the hair, and/or a timer for switching on the ion generator (500) after a predetermined period has lapsed.

IPC 8 full level  
**A45D 1/00** (2006.01); **A45D 2/00** (2006.01); **A45D 20/00** (2006.01)

CPC (source: EP KR RU)  
**A45D 1/00** (2013.01 - EP RU); **A45D 1/04** (2013.01 - KR); **A45D 1/28** (2013.01 - KR); **A45D 2/00** (2013.01 - EP RU);  
**A45D 20/00** (2013.01 - EP RU); **A45D 20/08** (2013.01 - KR); **A45D 2001/002** (2013.01 - KR); **A45D 2200/202** (2013.01 - EP KR)

Citation (applicant)  
• WO 2015196194 A1 20151223 - CONAIR [US]  
• WO 9926512 A1 19990603 - KONINKL PHILIPS ELECTRONICS NV [NL], et al  
• WO 9901726 A1 19990114 - KONINKL PHILIPS ELECTRONICS NV [NL], et al  
• US 2015250690 A1 20150910 - SAITO EMI [JP]

Citation (search report)  
• [XD] US 2015250690 A1 20150910 - SAITO EMI [JP]  
• [X] US 2014298670 A1 20141009 - TAHARA HIROKAZU [JP], et al  
• [X] US 2003055469 A1 20030320 - OHMURA SHINGO [JP]  
• [A] DE 202005001828 U1 20060614 - WIK FAR EAST LTD [HK]

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 3315045 A1 20180502**; CN 109688866 A 20190426; EP 3531862 A1 20190904; EP 3531862 B1 20200226; EP 3531862 B8 20200408;  
ES 2788374 T3 20201021; KR 20190026951 A 20190313; PL 3531862 T3 20201116; RU 2698169 C1 20190822; WO 2018077708 A1 20180503

DOCDB simple family (application)  
**EP 16196375 A 20161028**; CN 201780054846 A 20171019; EP 17793610 A 20171019; EP 2017076660 W 20171019; ES 17793610 T 20171019;  
KR 20197006107 A 20171019; PL 17793610 T 20171019; RU 2019107779 A 20171019