

Title (en)
CORDLESS HAIR DRYER

Title (de)
KABELLOSER HAARTROCKNER

Title (fr)
SÈCHE-CHEVEUX SANS FIL

Publication
EP 3721747 A1 20201014 (EN)

Application
EP 19168317 A 20190410

Priority
EP 19168317 A 20190410

Abstract (en)
In a cordless hair dryer (H) comprising a battery, a fan that is electrically coupled to the battery, and a heating unit (HU) that is electrically coupled to the battery, an air outlet grill (AOG) is arranged for preventing the heating unit (HU) from being contacted by an elongated object having a first diameter of at least 8 mm while allowing objects having a diameter smaller than the first diameter to pass. Preferably, the air outlet grill (AOG) is further arranged for preventing the fan to be contacted by the elongated object having a length of at least 50 mm. Preferably, when seen from an outside of the hair dryer, the air outlet grill (AOG) has a hollow shape. Preferably, the air outlet grill (AOG) is mounted to a motor mount (MM) of a motor (M) of the fan.

IPC 8 full level
A45D 20/12 (2006.01)

CPC (source: EP)
A45D 20/12 (2013.01)

Citation (search report)
• [X] US 4647757 A 19870303 - HAASTRUP HENRIK K [DK]
• [X] CN 204861703 U 20151216 - ANHUI TECHNICAL COLLEGE MECHANICAL & ELECTRICAL ENG

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

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EP 3721747 A1 20201014; CN 212972060 U 20210416; WO 2020208147 A1 20201015

DOCDB simple family (application)
EP 19168317 A 20190410; CN 202020522065 U 20200410; EP 2020060171 W 20200409