

Title (en)
HAIRDRYER

Title (de)
HAARTROCKNER

Title (fr)
SÈCHE-CHEVEUX

Publication
EP 3958707 A1 20220302 (EN)

Application
EP 20728188 A 20200422

Priority
• IT 201900006306 A 20190424
• IB 2020053814 W 20200422

Abstract (en)
[origin: WO2020217189A1] A hairdryer (1) comprises an electric motor (2) provided with a stator (21), a rotor (22) with rotor windings (24), a commutator (4) fixed to the rotor (22) and connected to the rotor windings (24), and a couple of brushes (5) powerable by an electric current and abutting the commutator (4); a fan (6) interposed between the electric motor (2) and an air suction rear opening (31) and rotated by the electric motor (2) to generate a main airflow (F); filtering means (8) interposed between the fan (6) and the commutator (4) and comprising a first casing (9) defining a first chamber (11) for a filtering element (10) arranged for retaining powders/scrap of a material constituting the brushes (5); a second casing (15) defining a second chamber (16) to contain the commutator (4) and first ends (5a) of the brushes (5) and connected to the first chamber (11) through a first passage opening (12) of the first casing (9), that comprises a second passage opening (13) facing the fan (6); the second casing (15) comprises a third passage opening (17) facing the stator (21); the openings (12, 13, 17) allow the passage of a secondary airflow (A) generated by the fan (6), entering the second casing (15) and leaving the first casing (9) to convey the powders/scrap of material into the filtering element (10).

IPC 8 full level
A45D 20/04 (2006.01)

CPC (source: EP)
A45D 20/04 (2013.01)

Citation (search report)
See references of WO 2020217189A1

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (publication)
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