

Title (en)  
HAIRDRYER

Title (de)  
HAARTROCKNER

Title (fr)  
SÈCHE-CHEVEUX

Publication  
**EP 3958707 C0 20230607 (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  
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Participating member state (EPC – UP)  
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