

Title (en)

PORTABLE VACUUM CLEANER PROVIDED WITH A REMOVABLE FILTER

Title (de)

TRAGBARER STAUBSAUGER, DER MIT EINEM ABNEHMBAREN FILTER AUSGESTATTET IST

Title (fr)

ASPIRATEUR PORTATIF EQUIPE D'UN FILTRE AMOVIBLE

Publication

EP 3954261 B1 20230607 (FR)

Application

EP 21189260 A 20210803

Priority

FR 2008437 A 20200811

Abstract (en)

[origin: WO2022033916A1] A portable vacuum cleaner (1) comprising a vacuum cleaner housing (2), a gripping handle (3) connected to the vacuum cleaner housing (2), a suction inlet (4) through which the air can be drawn in by the portable vacuum cleaner (1), at least one exhaust port (5) through which the cleaned air may exit the portable vacuum cleaner (1), an aeraulic circuit (6) which extends between the suction inlet (4) and the exhaust port (5), a suction unit (7) arranged on the aeraulic circuit, the suction unit (7) comprising an electric motor (7.1) and a fan (7.2) coupled to the electric motor (7.1) to generate an air flow in the aeraulic circuit (6) from the suction inlet (4) to the exhaust port (5), a device for separating the waste (8) which is arranged on the aeraulic circuit (6) upstream of the suction unit (7) and which is passed through by an air flow generated by the suction unit (7) when the portable vacuum cleaner (1) is being operated, a removable bowl (9) for receiving the waste separated by the waste separation device (8) and which is removably attached to the vacuum cleaner housing, a suction unit housing (12) comprising a first wall (12.3) which at least partially covers the suction unit (7). The suction unit housing (12) comprises a second wall (12.4) which at least partially covers the first wall (12.3). The second wall (12.4) is formed at a distance from the first wall (12.3) in order to at least partially define an internal space (15) of the portable vacuum cleaner (1) which extends between the first wall (12.3) and the second wall (12.4).

IPC 8 full level

A47L 5/24 (2006.01)

CPC (source: EP KR US)

A47L 5/24 (2013.01 - EP KR US); **A47L 9/0081** (2013.01 - EP KR); **A47L 9/127** (2013.01 - KR); **A47L 9/1666** (2013.01 - EP KR US); **A47L 9/1683** (2013.01 - EP KR US); **A47L 9/2884** (2013.01 - EP KR US); **A47L 9/322** (2013.01 - EP KR US)

Citation (opposition)

Opponent : Electrolux Appliances Aktiebolag

- US 2020163508 A1 20200528 - PERCY-RAINE CHARLES HOWARD [GB], et al
- US 2020077855 A1 20200312 - BROWN ANDRE D [US], et al
- US 2019183302 A1 20190620 - HINCHLIFFE ROBERT [GB], et al
- US 2017332860 A1 20171123 - NAM BOHYUN [KR], et al
- ANONYMOUS: "Shark - Anti Hair Wrap & DuoClean Cordless Vacuum - IZ201UK Series & IZ251UK Series", INSTRUCTIONS MANUAL, 1 January 2019 (2019-01-01), pages 1 - 20, XP093171706

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

DOCDB simple family (publication)

EP 3954261 A1 20220216; **EP 3954261 B1 20230607**; **EP 3954261 C0 20230607**; CN 116209380 A 20230602; ES 2952232 T3 20231030; FR 3113365 A1 20220218; FR 3113365 B1 20231215; JP 2023537118 A 20230830; KR 20230048629 A 20230411; US 2023371764 A1 20231123; WO 2022033916 A1 20220217

DOCDB simple family (application)

EP 21189260 A 20210803; CN 202180056576 A 20210803; EP 2021071614 W 20210803; ES 21189260 T 20210803; FR 2008437 A 20200811; JP 2023509627 A 20210803; KR 20237008144 A 20210803; US 202118020801 A 20210803