Title (en)

Vacuum cleaner with an engine fan with a fine filter in its blow-out air stream

Title (de)

Staubsauger mit einem Motorgebläse, in dessen Ausblas-Luftstrom ein Feinfilter angeordnet ist

Title (fr)

Aspirateur doté d'un ventilateur motorisé, dont le filtre fin est pourvu d'un flux d'air de sortie

Publication

EP 2030554 A3 20101229 (DE)

Application

EP 08014601 A 20080818

Priority

DE 102007040963 A 20070830

Abstract (en)

[origin: EP2030554A2] The cleaner has a cartridge-like transverse-shaped filter frame (37) arranged in an exhaust air flow of an engine blower for retaining fine filters. The frame is guided as a drawer into a filter retainer (102) of a housing part (5) of the cleaner, and is pressed with an edge contour (372) under an intermediate layer of a seal at a contour of the retainer in a guided condition. A pivotably supported air-permeable lining element (100) covers the retainer in the guided condition, and diverts a force resulting from pivoting movement from a guiding direction (104) to a pressing direction (108).

IPC 8 full level

A47L 9/12 (2006.01)

CPC (source: EP US)

A47L 5/28 (2013.01 - EP US); **A47L 9/122** (2013.01 - EP US)

Citation (search report)

- [AD] DE 4240172 C2 20001019 - MIELE & CIE [DE]
- [AD] DE 20207256 U1 20030918 - VORWERK CO INTERHOLDING [DE]
- [A] US 2003208878 A1 20031113 - ALFORD WILLIAM G [US], et al
- [A] US 2006016043 A1 20060126 - MATSUHASHI HIROMICHI [JP], et al

Cited by

CN103961027A; WO2017207024A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2030554 A2 20090304; **EP 2030554 A3 20101229**; **EP 2030554 B1 20120222**; AT E546079 T1 20120315; DE 102007040963 A1 20090305; PL 2030554 T3 20120629; US 2009056062 A1 20090305; US 7698778 B2 20100420

DOCDB simple family (application)

EP 08014601 A 20080818; AT 08014601 T 20080818; DE 102007040963 A 20070830; PL 08014601 T 20080818; US 19946108 A 20080827