

Title (en)

Vacuum cleaner with additional device and additional material

Title (de)

Staubsauger mit Zusatzeinrichtung und Zusatzmaterial

Title (fr)

Aspirateur doté d'un dispositif supplémentaire et d'un matériau supplémentaire

Publication

EP 2236068 A3 20130828 (DE)

Application

EP 10155858 A 20100309

Priority

DE 102009002051 A 20090331

Abstract (en)

[origin: EP2236068A2] The cleaner has a motor-fan unit for generating vacuum air stream, and a dust separation unit arranged in a dust chamber for separating dust. An additional component (11) is arranged in the vacuum air stream and includes an additional material. The additional component includes a bypass opening (15) for connecting a room before the additional component and connecting another room after the additional component, where cross section of the bypass opening is variable. The additional component is force-fitly combined with a main filter (27).

IPC 8 full level

A47L 9/00 (2006.01); **A47L 9/12** (2006.01); **A47L 9/14** (2006.01)

CPC (source: EP)

A47L 9/0072 (2013.01); **A47L 9/122** (2013.01)

Citation (search report)

- [A] DE 4240172 A1 19940601 - MIELE & CIE [DE]
- [A] DE 4204553 A1 19930819 - MIELE & CIE [DE]
- [AD] DE 4317715 C1 19940609 - SIEMENS AG [DE]
- [AD] EP 1070478 A2 20010124 - BLACK & DECKER INC [US]
- [A] EP 1210966 A1 20020605 - SCHOELLER & HOESCH PAPIERFAB [DE]

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2236068 A2 20101006; EP 2236068 A3 20130828; EP 2236068 B1 20150114; DE 102009002051 A1 20101007

DOCDB simple family (application)

EP 10155858 A 20100309; DE 102009002051 A 20090331