

Title (en)  
Vacuum cleaner with a centrifugal separator

Title (de)  
Staubsauger mit einem Fliehkraftabscheider

Title (fr)  
Aspirateur doté d'un séparateur de force centrifuge

Publication  
**EP 2198766 A3 20130123 (DE)**

Application  
**EP 09177830 A 20091203**

Priority  
DE 102008055046 A 20081219

Abstract (en)  
[origin: EP2198766A2] The vacuum cleaner (1) has a centrifugal separator e.g. cyclone separator, comprising an air inlet channel connected with a suction air guide (4) and running into a separation chamber. The separator has an air guiding unit in form of a surface that has an edge comprising an exterior corner arranged in a radial angle range orthogonal to an axis of the chamber. A zero position of the angle range is formed from a radius of the chamber and an intersection point that represents transition of the channel into the chamber facing screwing of a chamber curve about a longitudinal axis of the separator.

IPC 8 full level  
**A47L 9/16** (2006.01)

CPC (source: EP)  
**A47L 9/1608** (2013.01); **A47L 9/165** (2013.01)

Citation (search report)  
• [X] EP 1681099 A2 20060719 - SAMSUNG KWANGJU ELECTRONICS CO [KR]  
• [X] EP 1985215 A2 20081029 - SAMSUNG KWANGJU ELECTRONICS CO [KR]  
• [X] WO 2007145404 A1 20071221 - SAMSUNG KWANGJU ELECTRONICS CO [KR]

Cited by  
CN102485153A; EP2617281A1; US9265391B2; WO2021119801A1

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 RS

DOCDB simple family (publication)  
**EP 2198766 A2 20100623; EP 2198766 A3 20130123; EP 2198766 B1 20150304**; DE 102008055046 B3 20100617

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