

Title (en)  
VACUUM CLEANER

Title (de)  
STAUBSAUGER

Title (fr)  
ASPIRATEUR

Publication  
**EP 3537943 A2 20190918 (EN)**

Application  
**EP 17801267 A 20171108**

Priority  
• US 201662419231 P 20161108  
• US 2017060643 W 20171108

Abstract (en)  
[origin: WO2018089496A2] A vacuum cleaner including a separator assembly having a container that defines a cyclonic separator about a separator axis. The container having a dirty air inlet that receives the airflow and debris to rotate around the separator axis in a first direction. A clean air outlet discharges the airflow from the separator assembly. A shroud forming an airflow passageway is between the dirty air inlet and the clean air outlet. The airflow passageway is formed by a plurality of vanes defining openings between adjacent vanes positioned to direct the airflow and debris in a second direction at least partially opposed to the first direction redirecting airflow into the shroud. A mesh screen is positioned on the shroud covering the airflow passageway and a filter at least partially within the shroud extends around the separator axis positioned in an airflow path between the plurality of vanes and the clean air outlet.

IPC 8 full level  
**A47L 9/12** (2006.01); **A47L 5/16** (2006.01); **A47L 5/28** (2006.01); **A47L 9/14** (2006.01); **A47L 9/16** (2006.01)

CPC (source: EP US)  
**A47L 5/28** (2013.01 - US); **A47L 9/12** (2013.01 - US); **A47L 9/125** (2013.01 - EP US); **A47L 9/149** (2013.01 - US);  
**A47L 9/1608** (2013.01 - EP US); **A47L 9/165** (2013.01 - US); **A47L 9/1666** (2013.01 - US); **A47L 9/1683** (2013.01 - EP US)

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2018089496 A2 20180517**; **WO 2018089496 A3 20180920**; CN 109952051 A 20190628; CN 109952051 B 20211123;  
EP 3537943 A2 20190918; EP 3537943 B1 20230920; EP 3659484 A1 20200603; EP 3659484 B1 20211013; US 2018140148 A1 20180524;  
US 2021369067 A1 20211202

DOCDB simple family (application)  
**US 2017060643 W 20171108**; CN 201780068504 A 20171108; EP 17801267 A 20171108; EP 19219117 A 20171108;  
US 201715807268 A 20171108; US 202117400801 A 20210812