

Title (en)
VACUUM CLEANER

Title (de)
STAUBSAUGER

Title (fr)
ASPIRATEUR

Publication
EP 3537943 B1 20230920 (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
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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)

Citation (examination)
• US 2004154126 A1 20040812 - HANSEN SAMUEL N [US], et al
• US 2009313783 A1 20091224 - NAKANO KOICHI [JP], et al
• US 2009133370 A1 20090528 - YOO DONG-HUN [KR], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 3537943 A2 20190918; EP 3537943 B1 20230920; EP 3659484 A1 20200603; EP 3659484 B1 20211013; US 2018140148 A1 20180524;
US 2021369067 A1 20211202

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US 2017060643 W 20171108; CN 201780068504 A 20171108; EP 17801267 A 20171108; EP 19219117 A 20171108;
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