

Title (en)

Method for operating a vacuum cleaner with a cyclone separator and vacuum cleaner with a cyclone separator

Title (de)

Verfahren zum Betreiben eines Staubsaugers mit einem Zyklonabscheider und Staubsauger mit einem Zyklonabscheider

Title (fr)

Procédé d'utilisation d'un aspirateur doté d'un séparateur à cyclone et aspirateur doté d'un séparateur à cyclone

Publication

EP 2543302 A3 20170104 (DE)

Application

EP 12401141 A 20120706

Priority

DE 102011051683 A 20110708

Abstract (en)

[origin: EP2543302A2] The method involves arranging a receiving device (4) for air-dust mixture on the suction side (23) of a motor-driven blower (2). The dust separator in form of a cyclone separator (5) and an afterfilter (6) is arranged between the receiving device and the blower. The valve unit (7) is arranged between the receiving device and the blower. The flow path is primarily shifted from the receiving device to the blower through the cyclone separator with the valve unit during existence of minimum value for the volume flow generated by the blower or a parameter correlating with the volume flow. An independent claim is included for a vacuum cleaner with a motor-driven blower and a device for receiving air-dust mixture.

IPC 8 full level

A47L 9/00 (2006.01); **A47L 9/16** (2006.01)

CPC (source: EP US)

A47L 9/0072 (2013.01 - EP US); **A47L 9/16** (2013.01 - EP US); **A47L 9/2821** (2013.01 - EP US); **A47L 9/2831** (2013.01 - EP US); **A47L 9/2836** (2013.01 - EP US)

Citation (search report)

- [XA] DE 102009041728 A1 20100624 - VORWERK CO INTERHOLDING [DE]
- [XA] EP 2153768 A2 20100217 - MIELE & CIE [DE]

Cited by

CN105310603A; WO2016001632A1

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)

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DOCDB simple family (application)

EP 12401141 A 20120706; DE 102011051683 A 20110708; US 201213541685 A 20120704