

Title (en)
Vacuum cleaner

Title (de)
Staubsauger

Title (fr)
Aspirateur

Publication
EP 2786688 A3 20180404 (EN)

Application
EP 14155825 A 20140219

Priority
GB 201305887 A 20130402

Abstract (en)
[origin: EP2786688A2] A vacuum cleaner comprises a detachable separation unit having first and second devices 13,26 for separating dirt and dust from an airflow through the cleaner. The dirt and dust separated by the devices 13 is deposited in a first collection region disposed at the bottom of a cyclone chamber 14. The dirt and dust separated by the second device 26 is collected in a second collection region 30 which is normally closed by a valve 35 to prevent air from leaving the cyclone chamber 14. An actuator 34 is provided for automatically opening the valve 35 to release the collected dirt and dust in the second collection region 30 when the unit is detached from the body of the cleaner, so that it can fall from the unit along with dirt and dust from the first region when a flap 17 at the bottom of the chamber 14 is opened.

IPC 8 full level
A47L 9/10 (2006.01); **A47L 9/16** (2006.01); **B04C 5/185** (2006.01)

CPC (source: EP GB)
A47L 9/106 (2013.01 - EP); **A47L 9/108** (2013.01 - EP); **A47L 9/16** (2013.01 - GB); **A47L 9/1616** (2013.01 - GB); **A47L 9/1625** (2013.01 - EP); **A47L 9/1633** (2013.01 - EP); **A47L 9/1641** (2013.01 - EP); **A47L 9/1658** (2013.01 - GB); **A47L 9/1666** (2013.01 - GB); **A47L 9/1683** (2013.01 - EP GB); **A47L 9/1691** (2013.01 - EP); **B04C 5/185** (2013.01 - EP GB); **B04C 5/24** (2013.01 - GB)

Citation (search report)
• [XAI] WO 02067750 A1 20020906 - DYSON LTD [GB], et al
• [X] EP 2489293 A2 20120822 - HOOVER LTD [GB]

Cited by
US11419468B2; CN112056989A; RU2670406C1; AU2016267831B2; EP3305156A4; EP3750461A1; US10898045B2; WO2016190565A1

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)
EP 2786688 A2 20141008; **EP 2786688 A3 20180404**; **EP 2786688 B1 20190424**; CN 104095591 A 20141015; CN 104095591 B 20180619; GB 201305887 D0 20130515; GB 201616378 D0 20161109; GB 2512587 A 20141008; GB 2512587 B 20161214; GB 2539343 A 20161214; GB 2539343 B 20170405

DOCDB simple family (application)
EP 14155825 A 20140219; CN 201410114192 A 20140325; GB 201305887 A 20130402; GB 201616378 A 20130402