

Title (en)
VACUUM CLEANER AIR BLEED

Title (de)
STAUBSAUGERLUFTAUSLASS

Title (fr)
PURGE D'AIR D'ASPIRATEUR

Publication
EP 3226736 A1 20171011 (EN)

Application
EP 15804223 A 20151130

Priority
• GB 201421289 A 20141201
• GB 201513992 A 20150807
• GB 2015053654 W 20151130

Abstract (en)
[origin: WO2016087833A1] The present invention concerns the field of vacuum cleaning, and relates in particular to appliances or vacuum cleaners in which an air bleed valve may be provided which permits the suction provided at a cleaning tool nozzle or work head to be reduced. The invention provides an appliance including a vacuum suction cleaner for lifting and collecting matter from surfaces, wherein at least one air-bleed orifice is provided in a wall portion of the appliance which separates an internal region of the appliance which is subject to vacuum suction from an external region which remains at ambient pressure, the orifice providing air bypass communication between said external and internal regions so as to reduce suction at the nozzle or work head. An air-permeable porous material is disposed so as to obturate the orifice, which porous material permits the passage of bypass air through the orifice but restricts the airflow rate therethrough. The porous material is preferably an open cell foam membrane. In some embodiments the orifice is provided in a vacuum cleaner wand tube which serves as a vacuum conduit between the nozzle or work head and a vacuum cleaner body in which the suction motor is provided. A rotatable or axially sliding traveler member carries the foam membrane. In another embodiment the orifice is provided through a wall portion of a vacuum collection chamber of the vacuum cleaner, in which chamber detritus is collected.

IPC 8 full level
A47L 9/00 (2006.01); **A47L 9/24** (2006.01)

CPC (source: EP GB)
A47L 9/00 (2013.01 - GB); **A47L 9/0072** (2013.01 - EP GB); **A47L 9/0081** (2013.01 - EP GB); **A47L 9/24** (2013.01 - GB); **A47L 9/248** (2013.01 - EP GB); **A47L 9/2842** (2013.01 - GB); **A47L 11/4097** (2013.01 - GB)

Citation (search report)
See references of WO 2016087833A1

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 2016087833 A1 20160609; EP 3226736 A1 20171011; GB 201521066 D0 20160113; GB 201709646 D0 20170802; GB 2534984 A 20160810; GB 2534984 B 20190821; GB 2558334 A 20180711

DOCDB simple family (application)
GB 2015053654 W 20151130; EP 15804223 A 20151130; GB 201521066 A 20151130; GB 201709646 A 20151130