

Title (en)
Suction head of vacuum cleaner

Title (de)
Staubsaugersaugkopf

Title (fr)
Tête de suction pour aspirateur

Publication
EP 1604602 B1 20140122 (EN)

Application
EP 05290287 A 20050209

Priority
KR 20040043306 A 20040612

Abstract (en)
[origin: EP1604602A2] A suction head (5) of a vacuum cleaner, comprises: a housing (10) having a suction port (11) through which dust on a floor is sucked by an operation of a fan motor (2); a brush (13) rotatably installed in the suction port and having a plurality of bristles (12) arranged in a longitudinal direction thereof; a brush driving device (16) for reciprocatingly rotating the brush within a range of a predetermined angle; a first suction duct (50) having an inlet positioned corresponding to a direction of dust movement when the brush rotates in a forward direction; and a second suction duct (60) having an inlet positioned corresponding to a direction of dust movement when the brush rotates in a backward direction. Brushed dust can be properly sucked according to a reciprocating rotation direction of the brush, and thereby a cleaning function of the cleaner can be increased.

IPC 8 full level
A47L 9/02 (2006.01); **A47L 9/04** (2006.01)

CPC (source: EP KR US)
A47L 9/02 (2013.01 - KR); **A47L 9/0411** (2013.01 - EP US); **A47L 9/0483** (2013.01 - EP US)

Cited by
EP4162851A1; WO2023057391A1; EP3991623A1; DE102020213579A1; DE102020213579B4

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1604602 A2 20051214; EP 1604602 A3 20070905; EP 1604602 B1 20140122; CN 100353902 C 20071212; CN 1706331 A 20051214; KR 100595558 B1 20060703; KR 20050118001 A 20051215; US 2005273970 A1 20051215

DOCDB simple family (application)
EP 05290287 A 20050209; CN 200510064005 A 20050404; KR 20040043306 A 20040612; US 5387005 A 20050210