

Title (en)

COMBINED NOZZLE FOR DUST VACUUM CLEANER

Title (de)

KOMBINIERTE DÜSE FÜR STAUBSAUGER

Title (fr)

EMBOUT COMBINE D'ASPIRATEUR DE POUSSIERES

Publication

EP 2146611 A2 20100127 (FR)

Application

EP 06808237 A 20060727

Priority

- FR 2006050754 W 20060727
- FR 0552429 A 20050804
- FR 0651232 A 20060406

Abstract (en)

[origin: WO2007015025A2] The invention relates to a combined nozzle for a dust vacuum cleaner, comprising a brush (10) or similar with an interchangeable arrangement at the end of a tube (2) connected to a suction device, with a lower planar face (11) and with joint means for an arrangement in two different transverse positions with relation to the tube (2) or longitudinally in the tube extension (2), where, in each position, the suction is achieved by an opening (12) in the planar face (11), or an opening (13) at one of the ends. The joint means comprises means for a pivoting (P, R) about at least two axes such that when in a position for suction by an end, the brush (10) is oriented such that said lower face (11) and the longitudinal axis of the brush are essentially parallel to the axis of the suction tube (2).

IPC 8 full level

A47L 9/02 (2006.01); **A47L 9/24** (2006.01)

CPC (source: EP US)

A47L 9/02 (2013.01 - EP US); **A47L 9/242** (2013.01 - EP US)

Citation (search report)

See references of WO 2007015025A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

FR 2889434 A1 20070209; FR 2889434 A3 20070209; EP 2146611 A2 20100127; US 2009158551 A1 20090625; WO 2007015025 A2 20070208;
WO 2007015025 A3 20070412

DOCDB simple family (application)

FR 0651232 A 20060406; EP 06808237 A 20060727; FR 2006050754 W 20060727; US 99774206 A 20060727