

Title (en)
Suction nozzle for a vacuum cleaner

Title (de)
Saugdüse für Staubsauger

Title (fr)
Bas d'aspiration pour aspirateurs

Publication
EP 2116165 A3 20110608 (DE)

Application
EP 09005978 A 20090430

Priority
DE 102008022995 A 20080509

Abstract (en)
[origin: EP2116165A2] The nozzle has a suction port (5) reversibly fixed in a functional position to absorb large particles of dirt. The port is inclined in the position, which is referred as a large particle dirt position, to a floor surface such that a front-sided suction port edge (9) has a distance (a) to the surface. The distance is sufficient for sucking the large particles of dirt, and the port and a suction chamber (4) are firmly connected. Supporting rollers are rotatably supported at a support element i.e. runner, and rotation axes of the rollers run parallel to a pivoting axis of the chamber.

IPC 8 full level
A47L 9/02 (2006.01); **A47L 9/04** (2006.01); **A47L 9/06** (2006.01)

CPC (source: EP)
A47L 9/02 (2013.01); **A47L 9/0411** (2013.01); **A47L 9/0416** (2013.01); **A47L 9/0494** (2013.01); **A47L 9/0666** (2013.01)

Citation (search report)
• [AD] DE 4243244 A1 19940623 - MIELE & CIE [DE]
• [AD] DE 19938325 A1 20010308 - WESSEL WERK GMBH [DE]
• [AD] DE 10201961 A1 20030807 - WESSEL WERK GMBH [DE]
• [A] EP 0727171 A2 19960821 - STEIN & CO GMBH [DE]

Cited by
CN102743133A; CN105392406A; CN102987984A; US2018199774A1; AU2017394582B2; US11399677B2; CN102631170A; KR101475774B1; WO2014122219A1; US8671514B2; WO2012107734A1

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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DE 102008022995 B4 20120531

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