

Title (en)

Nozzle for smooth floors and for textile floor coverings

Title (de)

Staubsaugerdüse für Glattböden und textile Bodenbeläge

Title (fr)

Suceur pour sols plats et pour revêtements textiles de sol

Publication

**EP 1449477 B1 20090311 (DE)**

Application

**EP 04001286 A 20040122**

Priority

DE 10307176 A 20030220

Abstract (en)

[origin: US2004216267A1] A vacuum cleaner nozzle for floors and carpets having a housing comprised of an upper part and a slide sole, a pivotable rocker located in the housing on a rear segment in working direction and an actuating lever to operate the rocker. Strip-shaped gasket elements are attached to the rocker, which are arranged in working direction in front of and behind a suction port formed into the slide sole and can be retracted and moved out of openings on the lower side of the housing with a pivoting movement of the rocker.

IPC 8 full level

**A47L 9/06** (2006.01)

CPC (source: EP US)

**A47L 9/06** (2013.01 - EP US); **A47L 9/0653** (2013.01 - EP US)

Cited by

CN104433961A; CN104433960A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**US 2004216267 A1 20041104**; **US 7251856 B2 20070807**; CN 1296003 C 20070124; CN 1522654 A 20040825; DE 10312905 A1 20040909; DE 10312905 B4 20050113; DE 10312906 A1 20040909; DE 10312906 B4 20060504; DE 502004007933 D1 20081009; DE 502004009109 D1 20090423; EP 1449477 A2 20040825; EP 1449477 A3 20071205; EP 1449477 B1 20090311; HK 1066710 A1 20050401

DOCDB simple family (application)

**US 77897604 A 20040213**; CN 200410003931 A 20040210; DE 10312905 A 20030322; DE 10312906 A 20030322; DE 502004007933 T 20040116; DE 502004009109 T 20040122; EP 04001286 A 20040122; HK 04109863 A 20041214