

Title (en)

Vacuum cleaner with means for detecting the presence of a nozzle

Title (de)

Staubsauger mit Mitteln zur Erkennung der Anwesenheit einer Düse

Title (fr)

Aspirateur avec moyen de détection de présence d'un suceur

Publication

EP 2505112 B1 20180912 (FR)

Application

EP 12161048 A 20120323

Priority

FR 1152614 A 20110329

Abstract (en)

[origin: EP2505112A1] The vacuum cleaner (1) has a suction fan (24) for creating vacuum in a suction tube (12), where an end of the tube is provided with a nozzle (10). A detector detects the presence of the nozzle. A housing comprises an electronic control unit (25) for activating the suction fan in two operating modes when the nozzle is detected and not detected, respectively, where the modes respectively correspond to the supply of minimum and maximum electric power to the suction fan. The detector comprises a radio frequency identification (RFID) reader (26) for detecting an RFID tag (16) placed on the nozzle.

IPC 8 full level

A47L 9/02 (2006.01); **A47L 9/28** (2006.01)

CPC (source: EP)

A47L 9/02 (2013.01); **A47L 9/2805** (2013.01); **A47L 9/2842** (2013.01); **A47L 9/2894** (2013.01)

Cited by

CN109464071A; DE102016118426A1; US2022361726A1; US11805967B2

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

DOCDB simple family (publication)

EP 2505112 A1 20121003; EP 2505112 B1 20180912; ES 2690818 T3 20181122; FR 2973214 A1 20121005; FR 2973214 B1 20140425

DOCDB simple family (application)

EP 12161048 A 20120323; ES 12161048 T 20120323; FR 1152614 A 20110329