

Title (en)

Suction flow speed control apparatus and vacuum cleaner having the same

Title (de)

Vorrichtung zur Steuerung der Saugdurchflussgeschwindigkeit und Staubsauger damit

Title (fr)

Appareil de contrôle de la vitesse de l'écoulement d'aspiration et aspirateur doté de celui-ci

Publication

EP 2160968 A2 20100310 (EN)

Application

EP 09251992 A 20090814

Priority

KR 20080088180 A 20080908

Abstract (en)

A suction flow speed control apparatus of a vacuum cleaner is provided. The suction flow speed control apparatus includes a first suction flow path (100), one end of which is connected to the main body (1) of the vacuum cleaner, and the other end of which is connected to a nozzle unit (2). The apparatus includes a second section flow path (200) which is formed inside a hand grip (3) disposed on a flow path connection device (18), and which includes a first port (210) connected to the outside and a second port (220) connected the first suction flow path. An opening/closing unit (300) is provided for opening and closing the second port (220).

IPC 8 full level

A47L 9/00 (2006.01); **A47L 9/24** (2006.01); **A47L 9/32** (2006.01)

CPC (source: EP KR)

A47L 9/00 (2013.01 - KR); **A47L 9/0072** (2013.01 - EP); **A47L 9/248** (2013.01 - EP); **A47L 9/32** (2013.01 - KR); **A47L 9/327** (2013.01 - EP)

Cited by

US10165920B2; WO2011107768A1; EP2198764A3; FR2968186A1; GB2567135A; GB2567135B; GB2534984A; GB2558334A; GB2534984B; GB2542423A; US2017079495A1; GB2542423B; WO2016087833A1; WO2019170534A1; GB2478387A; GB2478388A; GB2478389A; GB2478388B; GB2478389B; GB2478387B; AU2011222700B2; US8650709B2; US8671517B2; US8959708B2; WO2011107769A1; WO2011107770A3

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 SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2160968 A2 20100310; **EP 2160968 A3 20110309**; **EP 2160968 B1 20130410**; KR 101487791 B1 20150130; KR 20100029405 A 20100317; RU 2009133482 A 20110320; RU 2506878 C2 20140220

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