

Title (en)
Nozzle unit for a vacuum cleaner

Title (de)
Saugdüseneinheit eines Staubsaugers

Title (fr)
Unité de buse d'aspirateur d'un aspirateur

Publication
EP 2218385 A2 20100818 (EN)

Application
EP 10250253 A 20100215

Priority
KR 20090012454 A 20090216

Abstract (en)
A nozzle unit (100), having a brush body (110), a brush cover (130) mounted on the brush body, a suction port (115) formed on the brush body, and a hair removal unit (150), is provided. The hair removal unit (150) includes at least two hair removal members (151, 153) that are disposed apart from each other; and the at least two hair removal members rotate with respect to the brush body (110) when the nozzle unit (100) moves forward and backward, alternately contacting a surface (50) being cleaned, thereby removing dirt or fibrous contaminants from the surface.

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

CPC (source: EP KR US)
A47L 9/00 (2013.01 - KR); **A47L 9/02** (2013.01 - KR); **A47L 9/04** (2013.01 - KR); **A47L 9/0416** (2013.01 - EP US);
A47L 9/0477 (2013.01 - EP US); **A47L 9/0488** (2013.01 - EP US); **A47L 9/0613** (2013.01 - EP US); **A47L 9/0666** (2013.01 - EP US)

Cited by
GB2486440A; GB2486440B; EP4133982A4; USD929055S; US8484800B2; US8495790B2; WO2017064463A1; US11992172B2; USD871695S; USD905919S; AU2010201002B2; EP3629868A4; US8448294B2; USD925848S; WO2013072665A1; US10702108B2; US11647881B2; US12070177B2; CN103120570A; GB2496721B; CN106963290A; KR20180084055A; EP3364844A4; KR20200080330A; US2021169289A1; AU2019246800B2; US11712139B2; US8667642B2; WO2018217980A1; US11202542B2; US11839346B2; EP2229858B1; WO2017070492A1; US10925448B2; US11278171B2; US11759069B2; US12048410B2; EP3454709B1

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 2218385 A2 20100818; **EP 2218385 A3 20130306**; KR 20100093325 A 20100825; RU 2010105436 A 20110820;
US 2010205768 A1 20100819

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