

Title (en)

Cleaner and nozzle for the same

Title (de)

Reiniger und Düse dafür

Title (fr)

Nettoyeur et buse pour celui-ci

Publication

**EP 2823745 B1 20181212 (EN)**

Application

**EP 14162712 A 20140331**

Priority

KR 20130080730 A 20130710

Abstract (en)

[origin: EP2823745A1] The present invention relates to a cleaner. The cleaner includes a cleaner body; and a nozzle communicated with the cleaner body, wherein the nozzle includes a main nozzle having a main passage, and at least one movable nozzle, rotatably coupled with the main nozzle, having a plurality of passages, the plurality of passages are communicated with the main passage when the at least one movable nozzle is not rotated, and at least one passage of the plurality of passages are communicated with the main passage when the at least one movable nozzle is rotated by an external force.

IPC 8 full level

**A47L 9/02** (2006.01)

CPC (source: EP KR)

**A47L 9/00** (2013.01 - KR); **A47L 9/02** (2013.01 - EP KR)

Cited by

US11678779B2

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 2823745 A1 20150114; EP 2823745 B1 20181212; CN 104274124 A 20150114; CN 104274124 B 20170714; KR 101496012 B1 20150225;**  
KR 20150011405 A 20150202; RU 2014122859 A 20151210; RU 2582443 C2 20160427

DOCDB simple family (application)

**EP 14162712 A 20140331; CN 201410059017 A 20140221; KR 20130080730 A 20130710; RU 2014122859 A 20140604**