

Title (en)
Vacuum cleaner nozzle with rotatably limited base plate

Title (de)
Staubsaugerdüse mit rotationsbregrenzter Sockel

Title (fr)
Suceur d'aspirateur avec semelle limitée en rotation

Publication
EP 2449936 B1 20180912 (FR)

Application
EP 11306425 A 20111103

Priority
FR 1059166 A 20101105

Abstract (en)
[origin: EP2449936A1] The nozzle (100) has a base plate (10) cleaning a floor with airflow-pressure and connected to a connecting rod (20). A limiting unit i.e. stop (14), limits rotation of the base plate to rotation angle (α_1) with respect to the connecting rod, where the angle is a function of value of the airflow-pressure and proportional to the airflow-pressure. The stop unit is arranged on the connecting rod and on the base plate. The stop includes a cylindrical part fitted on the connecting rod and on the base plate, where the part possesses length representing a value of the angle.

IPC 8 full level
A47L 9/02 (2006.01)

CPC (source: EP KR)
A47L 9/02 (2013.01 - EP KR)

Cited by
EP3610768A4; EP3087890A1; EP3087891A1; FR3035582A1; DE102012106570A1; DE102012106570B4; EP2716197A3; EP3042597A1; CN105747992A; EP3047776A1; US2021100413A1; EP4098165A1; FR3123550A1; WO2022254157A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2449936 A1 20120509; EP 2449936 B1 20180912; CN 102462448 A 20120523; CN 102462448 B 20170412; ES 2690718 T3 20181122; FR 2967042 A1 20120511; FR 2967042 B1 20130104; KR 101958480 B1 20190314; KR 20120048512 A 20120515; TR 201814840 T4 20181121

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EP 11306425 A 20111103; CN 201110337106 A 20111103; ES 11306425 T 20111103; FR 1059166 A 20101105; KR 20110114314 A 20111104; TR 201814840 T 20111103