

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 ( $\alpha_1$ ) 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

DOCDB simple family (application)  
**EP 11306425 A 20111103**; CN 201110337106 A 20111031; ES 11306425 T 20111103; FR 1059166 A 20101105; KR 20110114314 A 20111104; TR 201814840 T 20111103