

Title (en)

Vacuum cleaner fan and vacuum cleaner with a vacuum cleaner fan

Title (de)

Staubsaugergebläse und Staubsauger mit einem Staubsaugergebläse

Title (fr)

Ventilateur d'aspirateur et aspirateur doté d'un ventilateur d'aspirateur

Publication

EP 2679828 A3 20170816 (DE)

Application

EP 13174236 A 20130628

Priority

DE 102012211250 A 20120629

Abstract (en)

[origin: EP2679828A2] The fan (3) has a main portion that is formed of an inlet opening (7) with a diameter of 44 mm, for flowing air. An impeller (6) has a circular inner region which has no wings at a bottom plate. The inner diameter of the circular inner region of the impeller is in a range of 43-50 mm, and the outer diameter of the circular inner region of the impeller is 76 mm. The ratio of the inner diameter of the circular inner region to the outer diameter of the circular inner region is greater than 0.5 and less than 0.7. An independent claim is included for a vacuum cleaner.

IPC 8 full level

F04D 29/28 (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP)

F04D 29/281 (2013.01); **F04D 29/4213** (2013.01); **F04D 29/4226** (2013.01)

Citation (search report)

- [I] US 2007056139 A1 20070315 - LEE MYUNG-WON [KR], et al
- [I] US 2723724 A 19551115 - JOHN WAHLBORG KARL
- [I] US 5741118 A 19980421 - SHINBARA NOBORU [JP], et al

Cited by

CN107233043A; US11540455B2; WO2019109278A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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