

Title (en)
BLOWER DEVICE AND CLEANER

Title (de)
GEBLÄSEVORRICHTUNG UND REINIGER

Title (fr)
DISPOSITIF DE SOUFFLANTE ET DISPOSITIF DE NETTOYAGE

Publication
EP 3444480 A4 20191204 (EN)

Application
EP 17782314 A 20170407

Priority
• JP 2016078953 A 20160411
• JP 2017014450 W 20170407

Abstract (en)
[origin: EP3444480A1] A blower includes: an impeller rotatable about a central axis extending in a vertical direction; a motor that is positioned on a lower side of the impeller and rotates the impeller about the central axis; and a duct including an airflow passage in an inner space, a suction port through which a fluid flows in the inner space, and an air outlet through which the fluid is discharged from the inner space, the impeller being accommodated in the duct. The impeller includes: a plurality of blades arranged in a circumferential direction; a shroud that has an annular shape, connects upper portions of the plurality of blades, and includes an opening located opposite the suction port in an axial direction; and a base plate that connects lower portions of the plurality of blades and extends in a radial direction, the duct includes a cover covering at least a part of the blade and an upper portion of the shroud, an inner diameter of the shroud is equal to or larger than an outer diameter of the base plate, and the cover includes a first projection that projects axially downward from a bottom surface of the cover and is disposed on a radial inside of an inner circumferential surface of the shroud.

IPC 8 full level
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CPC (source: EP US)
A47L 5/22 (2013.01 - EP US); **A47L 9/0081** (2013.01 - EP); **F04D 17/16** (2013.01 - US); **F04D 29/16** (2013.01 - US); **F04D 29/162** (2013.01 - EP); **F04D 29/2238** (2013.01 - US); **F04D 29/28** (2013.01 - US); **F04D 29/282** (2013.01 - EP); **F04D 29/42** (2013.01 - US); **F04D 29/4226** (2013.01 - EP); **F04D 29/441** (2013.01 - US); **A47L 2201/00** (2013.01 - EP)

Citation (search report)
• [XA] US 2008279681 A1 20081113 - EGUCHI TSUYOSHI [JP], et al
• [X] US 6224335 B1 20010501 - PARISI MARK JOSEPH [US], et al
• See references of WO 2017179498A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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JP WO2017179498 A1 20190214; US 2019290081 A1 20190926; WO 2017179498 A1 20171019

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