

Title (en)
FAN UNIT AND AIR CONDITIONER EQUIPPED WITH FAN UNIT

Title (de)
GEBLÄSEEINHEIT UND DAMIT AUSGESTATTETE KLIMAANLAGE

Title (fr)
UNITÉ DE VENTILATEUR ET CLIMATISEUR ÉQUIPÉ D'UNE UNITÉ DE VENTILATEUR

Publication
EP 2472190 A4 20160316 (EN)

Application
EP 09848667 A 20090825

Priority
JP 2009004088 W 20090825

Abstract (en)
[origin: US2012134794A1] To provide an air-conditioning apparatus that is provided with an air-sending device that includes: a housing; a fan that is disposed in the housing; a casing that guides an airflow, the casing arranged adjacent to the back side of the fan; and a stabilizer that stabilizes the circular vortex, the stabilizer arranged adjacent to the front side of the fan. When $\delta=A/D$ expressed by an air flow inlet port width A and a fan diameter D is 2 or lower, an outer peripheral blade inflow angle $\beta=\delta \times \gamma$ radian is in the range of 0.4#0.3. The air-conditioning apparatus provided with an air-sending device is capable of suppressing noise as well as increasing fan performance even when the inlet port is narrow.

IPC 8 full level
F04D 17/16 (2006.01); **F04D 29/28** (2006.01); **F04D 29/42** (2006.01); **F24F 1/00** (2011.01); **F24F 13/24** (2006.01)

CPC (source: EP US)
F04D 17/16 (2013.01 - EP US); **F04D 29/283** (2013.01 - EP US); **F04D 29/4226** (2013.01 - EP US); **F24F 1/0025** (2013.01 - EP US); **F24F 1/0057** (2019.01 - EP US); **F24F 13/24** (2013.01 - EP US)

Citation (search report)

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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 SE SI SK SM TR

DOCDB simple family (publication)
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DOCDB simple family (application)
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