

Title (en)

PROPELLER FAN, PROPELLER FAN DEVICE, AND OUTDOOR EQUIPMENT FOR AIR-CONDITIONING DEVICE

Title (de)

PROPELLERLÜFTER, PROPELLERLÜFTERVORRICHTUNG UND AUSSENEINHEIT FÜR KLIMAANLAGE

Title (fr)

VENTILATEUR HÉLICOÏDE, DISPOSITIF DE VENTILATEUR HÉLICOÏDE, ET UNITÉ EXTÉRIEURE POUR DISPOSITIF DE CONDITIONNEMENT D'AIR

Publication

**EP 3217018 A4 20180530 (EN)**

Application

**EP 14905593 A 20141104**

Priority

JP 2014079190 W 20141104

Abstract (en)

[origin: EP3217018A1] A propeller fan (1) includes a boss (1a) and a blade (2) fixed to the boss (1a). The blade (2) has at least one of a shape in which a part of a leading edge (21) of the blade (2) protrudes toward a positive pressure surface (2a) side or a shape in which a part of a trailing edge (22) of the blade (2) protrudes toward a negative pressure surface (2b) side. A center (28) of the protrusion in a radial direction of the blade is located on a radially outer side with respect to a radial position at a half of a blade radius (Rt) from a rotation center line (RC). Thus, more equalized blowing airflow velocity distribution in the radial direction of the blade (2) can be achieved, thereby being capable of reducing noise.

IPC 8 full level

**F04D 29/38** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)

**F04D 29/384** (2013.01); **F04D 29/667** (2013.01); **F05D 2240/303** (2013.01); **F05D 2240/304** (2013.01)

Citation (search report)

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- [A] WO 9205341 A1 19920402 - MOSER JOSEF [DE]
- [A] JP 2011179330 A 20110915 - PANASONIC CORP
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Designated contracting state (EPC)

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