

Title (en)
PROPELLER FAN AND AIR CONDITIONER EQUIPPED WITH SAME

Title (de)
PROPELLERLÜFTER UND KLIMAANLAGE DAMIT

Title (fr)
VENTILATEUR À HÉLICE ET CLIMATISEUR LE COMPORTANT

Publication
EP 2960525 B1 20221019 (EN)

Application
EP 13875684 A 20130222

Priority
JP 2013054451 W 20130222

Abstract (en)
[origin: EP2960525A1] In order to suppress that a velocity in the vicinity of a bell mouth is lowered to induce non-uniformity in velocity at an outlet of a blade and an outlet of the bell mouth caused by adoption of a forward-swept blade which makes a tip vortex small as means for noise reduction, in a blade of a propeller fan, a trailing edge portion which has been rotationally projected on a plane passing through a rotational axis is formed from the rotational axis toward a blade tip portion so as to bend from the suction side to the discharge side with a first curvature, and is further formed so as to bend with a second curvature which is smaller than the aforementioned first curvature with an inflection point interposed.

IPC 8 full level
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CPC (source: EP US)
F04D 29/384 (2013.01 - US); **F04D 29/386** (2013.01 - EP US); **F04D 29/545** (2013.01 - EP US); **F04D 29/666** (2013.01 - US); **F24F 1/0029** (2013.01 - US); **F04D 19/002** (2013.01 - US); **F04D 29/325** (2013.01 - US); **F04D 29/703** (2013.01 - EP US); **F05D 2240/304** (2013.01 - EP US); **F05D 2250/713** (2013.01 - EP US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 13875684 A 20130222; CN 201380073430 A 20130222; JP 2013054451 W 20130222; JP 2015501179 A 20130222; US 201314768927 A 20130222