

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

Title (de)  
PROPELLERLÜFTER UND KLIMAAANLAGE DAMIT

Title (fr)  
VENTILATEUR HÉLICOÏDAL ET CLIMATISEUR ÉQUIPÉ DE CELUI-CI

Publication  
**EP 2902639 A1 20150805 (EN)**

Application  
**EP 13841827 A 20130927**

Priority

- JP 2012217270 A 20120928
- JP 2013005794 W 20130927

Abstract (en)  
A propeller fan (4) includes a blade (12). The blade (12) has a shape in which a peak outlet angle ( $\alpha$ ) at a trailing edge (15) thereof exists in an outer region (12B) of the blade that is located radially outer than the representative square mean radius position (Rr), and an another peak outlet angle ( $\beta$ ) at a trailing edge (15) thereof exists in an inner region (12A) of the blade that is located radially inner than the representative square mean radius position (Rr).

IPC 8 full level  
**F04D 29/38** (2006.01); **F04D 29/66** (2006.01)

CPC (source: CN EP US)  
**F01D 5/141** (2013.01 - US); **F04D 29/384** (2013.01 - CN EP US); **F04D 29/667** (2013.01 - CN EP US); **F05D 2240/304** (2013.01 - CN EP US); **F05D 2250/712** (2013.01 - CN EP US)

Cited by  
US11041506B2

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)  
**EP 2902639 A1 20150805**; **EP 2902639 A4 20160525**; **EP 2902639 B1 20190626**; AU 2013321833 A1 20150402; AU 2013321833 B2 20151126; BR 112015006704 A2 20170704; BR 112015006704 B1 20220510; CN 104641121 A 20150520; CN 104641121 B 20160831; JP 2014080970 A 20140508; JP 5549772 B2 20140716; US 2015240645 A1 20150827; WO 2014050146 A1 20140403

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