

Title (en)

AXIAL FAN BLADE WITH WAVY AIRFOIL AND TRAILING EDGE SERRATIONS

Title (de)

AXIALLÜFTERSCHAUFEL MIT WELLENFÖRMIGEN SCHAUFELBLATT- UND HINTERKANTENVERZÄHNUNGEN

Title (fr)

PALE DE VENTILATEUR AXIAL AYANT UNE SURFACE PORTANTE ONDULÉE ET DES DENTELURES DE BORD DE FUITE

Publication

EP 3688285 A1 20200805 (EN)

Application

EP 18788952 A 20180927

Priority

- US 201762565713 P 20170929
- US 2018053136 W 20180927

Abstract (en)

[origin: WO2019067727A1] An axial flow fan includes a hub rotatable about a fan axis and a plurality of fan blades mounted to the hub. One of the plurality of fan blades includes at least one wave extending in a span wise direction over the fan blade and at least one serration extending along a trailing edge of the fan blade. The at least one wave and the at least one serration are arranged at a location between 40% and 100% of a span of the fan blade.

IPC 8 full level

F01D 5/14 (2006.01); **F04D 29/38** (2006.01)

CPC (source: EP US)

F01D 5/141 (2013.01 - US); **F04D 29/384** (2013.01 - EP US); **F01D 5/147** (2013.01 - US); **F04D 29/324** (2013.01 - US); **F05D 2240/301** (2013.01 - EP US); **F05D 2240/303** (2013.01 - US); **F05D 2240/304** (2013.01 - EP US); **F05D 2240/307** (2013.01 - US); **F05D 2250/184** (2013.01 - EP)

Citation (examination)

US D916269 S 20210413 - BUSHNELL PETER R [US], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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