

Title (en)

Radial fan impeller and its fabrication method

Title (de)

Radiallüfterrad und Herstellungsverfahren dafür

Title (fr)

Turbine pour ventilateur centrifuge et procédé de fabrication d'une telle turbine

Publication

**EP 2762728 A3 20180411 (FR)**

Application

**EP 14152996 A 20140129**

Priority

FR 1350788 A 20130130

Abstract (en)

[origin: EP2762728A2] The turbine (1) has a front support (2) forming an effluents input ring. A set of blades (4) extends between the front support and a back support (3). Each blade includes a hollow profile comprising a portion of blade trapped in the back support to form a single part. Each blade comprises two embossings approximately parallel with each other and extending on circumferences from the blade. The embossings define the portion of blade trapped in the back support for forming a thrust. An independent claim is also included for a method for manufacturing a turbine for a centrifugal fan.

IPC 8 full level

**F04D 29/02** (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP)

**F04D 29/023** (2013.01); **F04D 29/281** (2013.01); **F05D 2230/53** (2013.01); **F05D 2300/43** (2013.01); **F05D 2300/702** (2013.01)

Citation (search report)

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- [A] US 2010316498 A1 20101216 - CAHILL KEVIN M [US], et al
- [A] GB 1171961 A 19691126 - SMITHS INDUSTRIES LTD [GB]
- [A] US 2008118357 A1 20080522 - JEON JONG KI [KR], et al

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CN103362859A

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 2762728 A2 20140806; EP 2762728 A3 20180411**; FR 3001502 A1 20140801; FR 3001502 B1 20160610

DOCDB simple family (application)

**EP 14152996 A 20140129**; FR 1350788 A 20130130