

Title (en)

COMPRESSOR CASING COMPRISING CAVITIES HAVING AN OPTIMISED UPSTREAM SHAPE

Title (de)

VERDICHTERGEHÄUSE MIT HOHLRÄUMEN MIT EINER OPTIMISIERTEN AUFWÄRTSSTRÖMUNGSFORM

Title (fr)

CARTER DE COMPRESSEUR Á CAVITÉS A FORME AMONT OPTIMISÉE

Publication

EP 2859240 A2 20150415 (FR)

Application

EP 13742669 A 20130415

Priority

- FR 1201160 A 20120419
- FR 2013050829 W 20130415

Abstract (en)

[origin: WO2013156726A2] The invention relates to a casing for a turbine engine compressor, comprising: cavities (5) in the thickness of the casing, extending in parallel to one another from the inner face of the casing along a circumference thereof, said cavities not being in communication with one another. The cavities, which are elongate and extend along a main direction of orientation between two side walls, are closed upstream and downstream by upstream and downstream faces respectively, and an upstream border (7) and a downstream border (6) are formed at the intersections between same and the inner face of the casing (4). The casing is characterised in that the upstream border (7) of the cavities (5) takes the form of a wavy line comprising at least two alternate undulations over the length thereof between the aforementioned side walls. Figure pour l'abrégé : figure

IPC 8 full level

F04D 27/02 (2006.01); **F04D 17/10** (2006.01); **F04D 19/00** (2006.01); **F04D 29/16** (2006.01); **F04D 29/42** (2006.01); **F04D 29/52** (2006.01); **F04D 29/54** (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP RU US)

F04D 17/10 (2013.01 - US); **F04D 19/00** (2013.01 - US); **F04D 27/0207** (2013.01 - EP US); **F04D 29/164** (2013.01 - EP US); **F04D 29/4206** (2013.01 - US); **F04D 29/526** (2013.01 - EP US); **F04D 29/541** (2013.01 - EP US); **F04D 29/547** (2013.01 - US); **F04D 29/685** (2013.01 - EP US); **F04D 27/0207** (2013.01 - RU); **F04D 29/685** (2013.01 - RU)

Citation (search report)

See references of WO 2013156726A2

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)

WO 2013156726 A2 20131024; **WO 2013156726 A3 20140109**; BR 112014025385 A2 20180410; BR 112014025385 B1 20220201; CA 2868456 A1 20131024; CA 2868456 C 20200114; CN 104220758 A 20141217; CN 104220758 B 20160413; EP 2859240 A2 20150415; EP 2859240 B1 20161109; FR 2989742 A1 20131025; FR 2989742 B1 20140509; RU 2014141066 A 20160610; RU 2626874 C2 20170802; US 2015078889 A1 20150319; US 9638213 B2 20170502

DOCDB simple family (application)

FR 2013050829 W 20130415; BR 112014025385 A 20130415; CA 2868456 A 20130415; CN 201380019669 A 20130415; EP 13742669 A 20130415; FR 1201160 A 20120419; RU 2014141066 A 20130415; US 201314391080 A 20130415