

Title (en)

CENTERING SUPPORT OF A COMPRESSOR CASING COVER

Title (de)

ZENTRIERENDE BEFESTIGUNG EINES VERDICHTERGEHÄUSEDECKELS

Title (fr)

SUPPORT AUTO-CENTRANT D'UN COUVERCLE DE CARTER DE COMPRESSEUR

Publication

EP 2601414 A1 20130612 (DE)

Application

EP 11766926 A 20110922

Priority

- DE 102010041210 A 20100922
- EP 2011066485 W 20110922

Abstract (en)

[origin: WO2012041757A1] The invention relates to a housing (CAS) having a longitudinal axis (AX) of a turbomachine (TM), the axis extending along a rotor (R), in particular to a turbocompressor housing, comprising at least one jacket part (SH) extending along the longitudinal axis (AX) and at least one end-face cover (COV), wherein said cover (COV) is surrounded by the jacket part (SH) at least with a part of the axial extension of the cover. In order to reduce the need for radial clearance, without compromising the availability or safety of the operation of the machine, the cover (COV) has radial clearance (RCL) with respect to the jacket part (SH) and at least two separate guide elements (GE) of the cover (COV) are provided on the jacket part (SH) in two different circumferential positions with respect to the longitudinal axis (AX), wherein the respective guide elements (GE) are designed such that they block a respective movement of the cover (COV) in the circumferential direction at least unidirectionally.

IPC 8 full level

F04D 29/08 (2006.01); **F01D 25/26** (2006.01); **F04D 29/10** (2006.01); **F04D 29/42** (2006.01); **F16D 1/08** (2006.01)

CPC (source: EP US)

F01D 25/14 (2013.01 - EP US); **F01D 25/24** (2013.01 - US); **F04D 29/083** (2013.01 - EP US); **F04D 29/102** (2013.01 - EP US); **F04D 29/4206** (2013.01 - EP US); **F05D 2220/40** (2013.01 - US); **F05D 2230/642** (2013.01 - EP US)

Citation (search report)

See references of WO 2012041757A1

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

DOCDB simple family (publication)

DE 102010041210 A1 20120322; CN 103140683 A 20130605; CN 103140683 B 20160413; EP 2601414 A1 20130612; EP 2601414 B1 20161214; US 2013183147 A1 20130718; US 9291073 B2 20160322; WO 2012041757 A1 20120405

DOCDB simple family (application)

DE 102010041210 A 20100922; CN 201180045922 A 20110922; EP 11766926 A 20110922; EP 2011066485 W 20110922; US 201113825035 A 20110922