

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

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Application

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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

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