

Title (en)

Thermal screen device for the housing of a turbine to control blade tip clearance

Title (de)

Turbinengehäusevorrichtung mit thermischer Abdeckung zum Kontrollieren eines Blattspitzenpalts

Title (fr)

Dispositif d' écran thermique sur le carter de turbine pour le contrôle du jeu en sommet d'aube

Publication

**EP 1903186 A1 20080326 (FR)**

Application

**EP 07116773 A 20070919**

Priority

FR 0653901 A 20060922

Abstract (en)

The stator has a metallic sealing ring support (11) connecting a sealing ring (13) to a high pressure turbine casing (9). The support has a thermal screen element that is arranged at side of a high pressure turbine. The support is fixed to the casing by a radial transversal clamping plate (11c). The element has metallic sheets (21, 22) that arrange space (21a) with surface of the support, where the space i.e. dead cavity, is made of thermally insulating material, and the support is in form of tapered metallic warp e.g. annular ferrule.

Abstract (fr)

La présente invention porte sur un stator de turbine de moteur à turbine à gaz comprenant un carter (9) de turbine, un anneau (13) d'étanchéité de turbine et un support d'anneau d'étanchéité (11) reliant l'anneau (13) d'étanchéité au carter (9). Le stator est caractérisé par le fait que le support (11) est pourvu d'un élément formant écran thermique disposé du côté de la turbine. Cette solution permet de réduire les consommations de jeu pendant les phases de fonctionnement transitoires.

IPC 8 full level

**F01D 11/18** (2006.01)

CPC (source: EP US)

**F01D 11/18** (2013.01 - EP US)

Citation (search report)

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- [Y] FR 2832178 A1 20030516 - SNECMA MOTEURS [FR]
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DOCDB simple family (application)

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