

Title (en)

AXIAL COMPRESSOR FOR A GAS TURBINE HAVING PASSIVE RADIAL GAP CONTROL

Title (de)

AXIALVERDICHTER FÜR EINE GASTURBINE MIT PASSIVER RADIALSPALTAKONTROLLE

Title (fr)

COMPRESSEUR AXIAL POUR TURBINE A GAZ, AVEC CONTROLE PASSIF DU JEU RADIAL

Publication

EP 2358979 A1 20110824 (DE)

Application

EP 09759708 A 20091118

Priority

- EP 2009065359 W 20091118
- EP 08020995 A 20081203
- EP 09759708 A 20091118

Abstract (en)

[origin: EP2194234A1] The thermal insulation ring (11) is adjusted on a wall section during the thermal insulation effect, such that the radial position of a blade tip (14) remains constant over time during the operation of a gas turbine. The thermal insulation ring is segmented by perimeter segments, where a sealing element is provided between the perimeter segments. An independent claim is also included for a vane ring unit for a gas turbine.

IPC 8 full level

F01D 11/00 (2006.01); **F01D 11/02** (2006.01)

CPC (source: EP US)

F01D 11/001 (2013.01 - EP US); **F01D 11/005** (2013.01 - EP US); **F01D 11/025** (2013.01 - EP US); **F05D 2230/90** (2013.01 - EP US); **F05D 2300/5021** (2013.01 - EP US); **F05D 2300/50211** (2013.01 - EP US)

Citation (search report)

See references of WO 2010063575A1

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DOCDB simple family (application)

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