

Title (en)

RADIAL SEAL ARRANGEMENT BETWEEN ADJACENT BLADES OF A GAS TURBINE

Title (de)

RADIALE DICHTUNGSANORDNUNG ZWISCHEN SCHAUFELN EINER GASTURBINE

Title (fr)

AGENCEMENT DE JOINT D'ÉTANCHÉITÉ RADIAL ENTRE DES PALES ADJACENTES D'UNE TURBINE À GAZ

Publication

EP 3342988 A1 20180704 (EN)

Application

EP 16207638 A 20161230

Priority

EP 16207638 A 20161230

Abstract (en)

A blade row assembly for a gas turbine having an axis (34), the blade row assembly (31) comprising: - a plurality of blades (32) adjacent arranged along a circumferential direction (33) centered in the gas turbine axis (34); each blade (32) along a radial direction (35) comprising a root (36) configured for coupling the blade (32) to a rotor (37), a platform (39) and an airfoil (40); each blade (32) being provided with a shank cavity (41) supplied with cooling air and delimited outwardly by the platform (39) and downstream by a rear wall (42); - a plurality of platform sealing devices (43) for sealing the gaps between two adjacent platforms (39); - a plurality of radial sealing devices (44) for sealing the gaps between two adjacent rear walls (42); wherein the radial sealing devices (44) comprise a plurality of radial sealing strips arranged between the adjacent rear walls (42).

IPC 8 full level

F01D 11/00 (2006.01)

CPC (source: EP)

F01D 11/006 (2013.01); **F05D 2240/57** (2013.01)

Citation (search report)

- [XY] EP 2843197 A2 20150304 - ALSTOM TECHNOLOGY LTD [CH]
- [XYI] WO 2011156437 A1 20111215 - SIEMENS ENERGY INC [US], et al
- [XYI] EP 2762679 A1 20140806 - SIEMENS AG [DE]
- [Y] EP 2369204 A1 20110928 - GEN ELECTRIC [US]
- [Y] WO 2015084449 A2 20150611 - UNITED TECHNOLOGIES CORP [US]

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)

EP 3342988 A1 20180704

DOCDB simple family (application)

EP 16207638 A 20161230