

Title (en)

AXIAL SEGMENTED VANE SUPPORT FOR A GAS TURBINE

Title (de)

AXIAL SEGMENTIERTER LEITSCHAUFELTRÄGER FÜR EINE GASTURBINE

Title (fr)

SUPPORT D'AUBES STATORIQUE AXIALEMENT SEGMENTÉ D'UNE TURBINE À GAZ

Publication

EP 2342427 A1 20110713 (DE)

Application

EP 09824439 A 20090910

Priority

- EP 2009061744 W 20090910
- EP 08019365 A 20081105
- EP 09824439 A 20090910

Abstract (en)

[origin: EP2184445A1] The support (1) has axial segments (24) designed as a grid pipe structure (26) and casting parts (30), where the axial segments are welded with each other for forming a fixed structure. The grid pipe structure is provided with a sheet metal covering (28) at inner- and outer sides. The sheet metal covering is provided with cooling air holes. Material of the axial segments and/or the sheet metal covering is adapted to local thermal and mechanical loads during operation. Upper and lower segments are connected with each other by a flange.

IPC 8 full level

F01D 9/04 (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)

F01D 9/041 (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US)

Citation (search report)

See references of WO 2010052050A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2184445 A1 20100512; CN 102216568 A 20111012; CN 102216568 B 20151125; EP 2342427 A1 20110713; EP 2342427 B1 20130619; JP 2012507652 A 20120329; JP 5596042 B2 20140924; PL 2342427 T3 20131129; RU 2011122612 A 20121220; RU 2508450 C2 20140227; US 2011268580 A1 20111103; US 8870526 B2 20141028; WO 2010052050 A1 20100514

DOCDB simple family (application)

EP 08019365 A 20081105; CN 200980144348 A 20090910; EP 09824439 A 20090910; EP 2009061744 W 20090910; JP 2011533644 A 20090910; PL 09824439 T 20090910; RU 2011122612 A 20090910; US 200913127295 A 20090910