

Title (en)

APPARATUS FOR ORIENTING A GUIDE VANE SUPPORT RELATIVE TO A TURBINE CASING

Title (de)

VORRICHTUNG ZUM AUSRICHTEN EINES LEITSCHAUFELTRÄGERS ZU EINEM GEHÄUSE EINER TURBINE

Title (fr)

PROCÉDÉ D'ALIGNEMENT D'UN SUPPORT D'AUBES DIRECTRICES PAR RAPPORT AU CARTER D'UNE TURBINE

Publication

EP 3143261 A1 20170322 (DE)

Application

EP 15720738 A 20150511

Priority

- DE 102014214703 A 20140725
- EP 2015060303 W 20150511

Abstract (en)

[origin: WO2016012115A1] The invention relates to an apparatus and a method for orienting a guide vane support relative to a turbine casing. The apparatus has a guide device with a first region which is arranged in a seat of the guide vane support and a second region which is arranged in a recess of the casing. The second region has a guide channel with a first internal thread in which there is arranged a first adjusting element with a first external thread which can be screwed together with the first internal thread. The first adjusting element can be arranged in the guide channel such that, when the guide device presses against a supporting face of the recess, a force flow from the seat to the guide device runs through the first adjusting element. In the guide channel there is arranged a second adjusting element with a second external thread which can be screwed together with the first internal thread. The second adjusting element can be arranged in the guide channel such that a force flow from the upper part of the casing to the guide device runs through the second adjusting element. The first adjusting element is secured against relative rotation with the second adjusting the element by a securing device.

IPC 8 full level

F01D 25/24 (2006.01); **F01D 25/28** (2006.01)

CPC (source: CN EP US)

F01D 25/246 (2013.01 - CN EP US); **F01D 25/28** (2013.01 - CN EP US); **F05D 2230/60** (2013.01 - US)

Citation (search report)

See references of WO 2016012115A1

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)

DE 102014214703 A1 20160128; BR 112017001507 A2 20171205; BR 112017001507 B1 20221018; BR 112017001507 B8 20230425; CN 106536871 A 20170322; CN 106536871 B 20180427; EP 3143261 A1 20170322; EP 3143261 B1 20180314; JP 2017530286 A 20171012; JP 6453440 B2 20190116; PL 3143261 T3 20180831; US 10865659 B2 20201215; US 2017204745 A1 20170720; WO 2016012115 A1 20160128

DOCDB simple family (application)

DE 102014214703 A 20140725; BR 112017001507 A 20150511; CN 201580041397 A 20150511; EP 15720738 A 20150511; EP 2015060303 W 20150511; JP 2017504080 A 20150511; PL 15720738 T 20150511; US 201515326731 A 20150511