Title (en)

MOUNTING DEVICE AND MOUNTING METHOD OF A VANE

Title (de)

MONTAGEVORRICHTUNG UND MONTAGEVERFAHREN

Title (fr)

DISPOSITIF DE MONTAGE ET PROCÉDÉ DE MONTAGE D'UNE AUBE STATORIQUE

Publication

EP 3042042 B1 20170816 (DE)

Application

EP 14771282 A 20140918

Priority

- EP 13191584 A 20131105
- EP 2014069854 W 20140918
- EP 14771282 A 20140918

Abstract (en)

[origin: WO2015067395A1] The invention relates to a mounting device (10) for mounting a guide blade (34) to be mounted in a blade groove (32) of a turbine (31). The mounting unit (10) comprises a clamping unit (11) and a pressing unit (12). Here, the clamping unit (11) is designed to produce in the blade groove (32) a non-positive connection in a circumferential direction (24). The pressing unit (12) is arranged behind the clamping unit (11) in the circumferential direction (24) and the pressing unit (12) is supported against the clamping unit (11) in the circumferential direction (24). The pressing unit (12) is designed to apply a pressing force by means of a pressing piston (15) in an opposite direction to the circumferential direction (24) in a mounting direction (16) and to transmit said force to the guide blade (34) to be mounted.

IPC 8 full level

F01D 9/04 (2006.01); **F01D 5/28** (2006.01); **F01D 5/30** (2006.01)

CPC (source: EP KR RU US)

F01D 5/28 (2013.01 - EP KR US); **F01D 5/3007** (2013.01 - EP KR US); **F01D 5/303** (2013.01 - EP KR RU US); **F01D 5/3038** (2013.01 - EP KR US); **F01D 9/042** (2013.01 - EP KR RU US); F05D 2220/30 (2013.01 - US); F05D 2230/60 (2013.01 - EP KR US); F05D 2230/64 (2013.01 - EP KR US); F05D 2230/68 (2013.01 - EP KR US); F05D 2240/12 (2013.01 - US)

Citation (examination)

GB 190900581 A 19090527 - DAHL JOHANNES JOACHIM [DE]

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

DOCDB simple family (publication)

EP 2868868 A1 20150506; CN 105705733 A 20160622; CN 105705733 B 20170412; EP 3042042 A1 20160713; EP 3042042 B1 20170816; JP 2016537562 A 20161201; JP 6227795 B2 20171108; KR 101834103 B1 20180302; KR 20160082688 A 20160708; PL 3042042 T3 20180131; RU 2016121659 A 20171211; RU 2655428 C2 20180528; US 2016265374 A1 20160915; WO 2015067395 A1 20150514

DOCDB simple family (application)

EP 13191584 A 20131105; CN 201480060628 A 20140918; EP 14771282 A 20140918; EP 2014069854 W 20140918; JP 2016550961 A 20140918; KR 20167014490 A 20140918; PL 14771282 T 20140918; RU 2016121659 A 20140918; US 201415033201 A 20140918