

Title (en)

Fastening assembly for blades of axial fluid flow turbo machines and procedure for producing the same

Title (de)

BEFESTIGUNGSANORDNUNG FÜR SCHAUFELN VON AXIAL DURCHSTRÖMTEN TURBOMASCHINEN SOWIE VERFAHREN ZUM HERSTELLEN EINER SOLCHEN

Title (fr)

Dispositif de fixation pour pales de turbomachines pouvant s'écouler axialement et son procédé de fabrication

Publication

**EP 2569514 A1 20130320 (DE)**

Application

**EP 11723334 A 20110511**

Priority

- EP 10005079 A 20100514
- EP 2011057628 W 20110511
- EP 11723334 A 20110511

Abstract (en)

[origin: EP2386721A1] The arrangement (8) has a blade carrier (20) with a center axis and a concentric lateral surface in which retaining grooves (22) are provided. The grooves retain respective blades (10) and blade roots (14). Each groove has a groove base (24) lying opposite to a lower surface (16) of the respective blade root. A resilient clamping element (28) is provided between each groove base and the lower surface, and is supported at the respective lower surface and the groove base. A gutter is provided in the lower surface, where the clamping element lies in the gutter along a longitudinal extension. An independent claim is also included for a method for manufacturing a fastening arrangement.

IPC 8 full level

**F01D 5/30** (2006.01); **F01D 9/04** (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP US)

**F01D 5/30** (2013.01 - US); **F01D 5/3007** (2013.01 - EP US); **F01D 5/3053** (2013.01 - EP US); **F01D 5/323** (2013.01 - EP US); **F01D 9/042** (2013.01 - EP US); **F04D 29/322** (2013.01 - EP US); **F05B 2240/94** (2013.01 - EP US); **F05D 2230/60** (2013.01 - EP US); **F05D 2230/64** (2013.01 - EP US); **F05D 2230/70** (2013.01 - EP US); **F05D 2240/91** (2013.01 - EP US); **Y10T 29/49321** (2015.01 - EP US)

Citation (search report)

See references of WO 2011141514A1

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 2386721 A1 20111116**; CN 102906375 A 20130130; EP 2569514 A1 20130320; EP 2569514 B1 20140402; JP 2013526667 A 20130624; JP 5596223 B2 20140924; RU 2012154199 A 20140620; US 2013101422 A1 20130425; WO 2011141514 A1 20111117

DOCDB simple family (application)

**EP 10005079 A 20100514**; CN 1180024073 A 20110511; EP 11723334 A 20110511; EP 2011057628 W 20110511; JP 2013509563 A 20110511; RU 2012154199 A 20110511; US 201113696618 A 20110511