

Title (en)

INNER RING FOR A TURBOMACHINE AND METHOD FOR PRODUCING SAID INNER RING

Title (de)

INNENRING FÜR EINE TURBOMASCHINE UND ENTSPRECHENDES HERSTELLUNGSVERFAHREN

Title (fr)

BAGUE INTÉRIEURE POUR UNE TURBOMACHINE ET PROCÉDÉ DE FABRICATION DE CETTE BAGUE INTÉRIEURE

Publication

EP 3536913 B1 20230215 (DE)

Application

EP 19160760 A 20190305

Priority

DE 102018203442 A 20180307

Abstract (en)

[origin: US2019277148A1] The invention relates to an inner ring for a guide vane assembly for mounting adjustable guide vanes of a turbomachine, of a compressor stage or turbine stage of a gas turbine, a guide vane assembly for a turbomachine having an inner ring, a turbomachine having an inner ring, and a method for producing an inner ring, wherein the inner ring has a plurality of guide vane bearing mounts, which are each arranged spaced apart in the peripheral direction, recesses, which are each formed for receiving a bearing element, in particular a bearing journal, of a guide vane, wherein, between at least two adjacent guide vane bearing mounts, the inner ring has at least one depression with a wall thickness in a radial direction that is reduced in comparison to a region that abuts the depression and is outside of the depression.

IPC 8 full level

F01D 11/00 (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP US)

F01D 9/042 (2013.01 - US); **F01D 17/162** (2013.01 - EP US); **F01D 25/162** (2013.01 - US); **F01D 11/001** (2013.01 - EP US); **F05D 2220/32** (2013.01 - US); **F05D 2240/12** (2013.01 - US); **F05D 2240/50** (2013.01 - US); **F05D 2250/10** (2013.01 - 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

DOCDB simple family (publication)

EP 3536913 A1 20190911; **EP 3536913 B1 20230215**; DE 102018203442 A1 20190912; US 11098603 B2 20210824; US 2019277148 A1 20190912

DOCDB simple family (application)

EP 19160760 A 20190305; DE 102018203442 A 20180307; US 201916293897 A 20190306