

Title (en)

BEARING FOR TURBOMACHINE VARIABLE PITCH STATOR VANE PIVOT, STATOR VANE COMPRISING SUCH A BEARING AND TURBOMACHINE COMPRISING SUCH STATOR VANES

Title (de)

LAGER FÜR EIN VERSTELLSTATORSCHAUFELDREHGELENK EINER TURBOMASCHINE, LEITSCHAUFEL MIT SOLCH EINEM LAGER UND TURBOMASCHINE MIT SOLCHEN LEITSCHAUFELN

Title (fr)

PALIER POUR PIVOT D'AUBE DE REDRESSEUR À CALAGE VARIABLE DE TURBOMACHINE, AUBE DE REDRESSEUR COMPORTANT UN TEL PALIER ET TURBOMACHINE COMPORTANT DE TELLES AUBES DE REDRESSEUR

Publication

EP 4305281 A1 20240117 (FR)

Application

EP 22710686 A 20220223

Priority

- FR 2102218 A 20210308
- FR 2022050327 W 20220223

Abstract (en)

[origin: WO2022189720A1] One aspect of the invention relates to a bearing (4, 5) for a turbomachine variable pitch stator vane pivot mounted in a bore (31) of a casing (3) of the turbomachine and comprising a bushing (10) integral with said bore (31) and allowing rotation of a pivot rod (14) within the casing (3), and additionally a ring (20) mounted so as to be integral with the pivot rod (14) inside the bushing (10) and comprising an outer part (21) providing the stiffening of the ring (20) and an inner part (22) integral with the outer part (21) and providing a damping function. The invention also relates to a variable pitch stator vane (1) comprising the above bearing (4, 5) and a turbomachine comprising such vanes.

IPC 8 full level

F01D 17/16 (2006.01); **F01D 25/06** (2006.01); **F04D 29/56** (2006.01)

CPC (source: EP US)

F01D 17/16 (2013.01 - US); **F01D 17/162** (2013.01 - EP US); **F01D 25/06** (2013.01 - US); **F01D 25/16** (2013.01 - US); **F04D 29/563** (2013.01 - EP US); **F04D 29/668** (2013.01 - EP); **F01D 25/06** (2013.01 - EP); **F05D 2220/323** (2013.01 - US); **F05D 2240/128** (2013.01 - US); **F05D 2240/50** (2013.01 - EP US); **F05D 2260/36** (2013.01 - EP); **F05D 2260/96** (2013.01 - US); **F05D 2300/133** (2013.01 - EP); **F05D 2300/1721** (2013.01 - EP); **F05D 2300/224** (2013.01 - EP); **F05D 2300/2263** (2013.01 - EP); **F05D 2300/431** (2013.01 - EP); **F05D 2300/437** (2013.01 - EP); **F05D 2300/501** (2013.01 - EP); **Y02T 50/60** (2013.01 - EP)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3120387 A1 20220909; **FR 3120387 B1 20231215**; CN 116964301 A 20231027; EP 4305281 A1 20240117; US 2024151153 A1 20240509; WO 2022189720 A1 20220915

DOCDB simple family (application)

FR 2102218 A 20210308; CN 202280019494 A 20220223; EP 22710686 A 20220223; FR 2022050327 W 20220223; US 202218548558 A 20220223