

Title (en)

Guiding set for the external pivot of a variable angle vane system in a turbo engine

Title (de)

Führungszusammenbau für aussenliegendes Lager einer verstellbaren Schaufel einer Turbomaschine

Title (fr)

Système de guidage du pivot extérieur d'une aube à angle de calage variable, de stator de turbomachine

Publication

EP 1500791 B1 20070502 (FR)

Application

EP 04103336 A 20040713

Priority

FR 0350343 A 20030717

Abstract (en)

[origin: EP1500791A1] The blade's outer pivot (11), designed to rotate inside a bore (22) in the turbine stator casing (21), is located inside a sleeve (30) of greater length than the bore and having a hooked end (31) that projects beyond the bore. The sleeve can be made from a low friction material inside a metal jacket with a hooked outer end and a locating collar (32). The hooked end makes for convenient sleeve extraction without dismantling the blade.

IPC 8 full level

F01D 9/02 (2006.01); **F01D 17/16** (2006.01); **F04D 29/56** (2006.01)

CPC (source: EP US)

F01D 17/162 (2013.01 - EP US)

Cited by

EP2622178A4; FR2881146A1; EP1686239A1; FR3039226A1; GB2556725A; GB2556725B; US7685712B2; US10753371B2; WO2017013326A1; EP1961922A2

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