

Title (en)

Control device of a variable pitch angle blade of a turbomachine with cylindrical connecting rod

Title (de)

Steuervorrichtung einer Schaufel mit verstellbarem Winkel für eine Turbomachine mit zylindrischer Pleuelstange

Title (fr)

Dispositif de commande d'aube à angle de calage variable de turbomachine à bielle cylindrique

Publication

EP 1887188 B1 20090909 (FR)

Application

EP 07113013 A 20070724

Priority

FR 0653250 A 20060802

Abstract (en)

[origin: EP1887188A1] The device has a fixation unit fixing an end (14a) of a cylindrical shaped articulated rod (14) on an upper controlling pivot (10) that controls a cylindrical shaped air inlet guide vane. A connection unit (18) connects another end (14b) of the rod and an actuating ring (16). The end (14a) is fitted in a bore (24) of the pivot of the guide vane. A pinching unit pinches the end (14a) of the rod in the bore of the pivot for ensuring its fixation on the pivot. A clamping nut (32) is screwed on the end (14a) of the rod, and a washer is inserted between the nut and a tapered shaped pinching part.

IPC 8 full level

F01D 17/16 (2006.01)

CPC (source: EP US)

F01D 17/162 (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US)

Cited by

CN103827507A; US9121415B2

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DE FR GB

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EP 1887188 A1 20080213; **EP 1887188 B1 20090909**; DE 602007002347 D1 20091022; FR 2904668 A1 20080208; FR 2904668 B1 20081031; US 2008031729 A1 20080207; US 8087883 B2 20120103

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