

Title (en)

Adjusting device for the vanes of two stages in a turbo machine

Title (de)

Verstelleinrichtung für zwei Leitschaufelstufen einer Turbomaschine

Title (fr)

Dispositif de calage variable de deux étages d'aubes fixé sur un turboréacteur

Publication

EP 1489267 B1 20061220 (FR)

Application

EP 04102806 A 20040618

Priority

FR 0350237 A 20030620

Abstract (en)

[origin: EP1489267A1] The device has two stacks of stator blades, each with a control rod connected to a branch of each of two bell cranks. A synchronization rod of each stack is connected to another branch of each crank. The synchronization rod is connected to a casing by a connection having a groove (23) and a pin (22) sliding in the groove, and to each crank driven by another connection having groove (26) and a pin (27) sliding in the groove (26).

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); **F04D 27/0246** (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US)

Cited by

FR3133214A1; WO2016207513A1; WO2017203158A1; FR2982653A1; EP1808579A3; CN102159794A; RU2509897C2; FR3025577A1; RU2705529C2; EP2258926A3; FR3038018A1; CN107771250A; FR3051826A1; GB2565699A; GB2565699B; EP1724472A3; FR2885969A1; US7322790B2; US9890655B2; US10502088B2; WO2010031768A3; WO2016034816A1; US10648359B2; US10837308B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1489267 A1 20041222; **EP 1489267 B1 20061220**; CA 2470081 A1 20041220; CA 2470081 C 20110802; DE 602004003744 D1 20070201; DE 602004003744 T2 20071011; FR 2856424 A1 20041224; FR 2856424 B1 20050923; JP 2005009497 A 20050113; JP 4050252 B2 20080220; RU 2004118678 A 20060110; RU 2338932 C2 20081120; US 2005129510 A1 20050616; US 7037070 B2 20060502

DOCDB simple family (application)

EP 04102806 A 20040618; CA 2470081 A 20040618; DE 602004003744 T 20040618; FR 0350237 A 20030620; JP 2004180840 A 20040618; RU 2004118678 A 20040618; US 87005004 A 20040618