

Title (en)

Control system for variable stator vane stages of a turbomachine

Title (de)

Kontrollsystem für verstellbaren Statorschaufelstufen einer Turbomaschine

Title (fr)

Système de commande d'étages d'aubes de stator à angle de calage variable de turbomachine

Publication

EP 1724471 B1 20100728 (FR)

Application

EP 06112920 A 20060421

Priority

FR 0504916 A 20050517

Abstract (en)

[origin: EP1724471A2] The system has an actuator (24) for turning a control ring (22) of one of variable-pitch stator stages via a control unit (26) that is pivotally mounted on a stator casing (12). A synchronization bar (30) transmits the turning movement of the ring to a control ring (22') of the other stage via a follower unit (26). An additional crank (44) interposed between the follower unit and the follower ring has a differential guide unit. The unit (44) is pivotally mounted on the follower unit and connected to the casing by a wheel (46) sliding in a slot (48) secured to the casing.

IPC 8 full level

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

CPC (source: EP US)

F01D 17/162 (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US); **F05D 2260/56** (2013.01 - EP US); **F05D 2260/76** (2013.01 - EP US); **F05D 2270/58** (2013.01 - EP US)

Cited by

CN103277339A; CN103133423A; EP2703606A1; EP4148236A1; FR2936561A1; CN111636978A; FR2936558A1; RU2503824C2; FR2936557A1; EP3604746A1; EP2497957A3; US11891918B2; US8690520B2; US11149580B2; US8740547B2; EP3770381A1; WO2010037751A1; WO2010037750A1; US8333546B2

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DE FR GB

DOCDB simple family (publication)

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