

Title (en)

System and method to control variable stator vanes in gas turbine engines

Title (de)

System und Verfahren zur Steuerung verstellbarer Leitschaufeln in Gasturbinenmotoren

Title (fr)

Système et procédé permettant de contrôler les aubes de stator dans des turbines à gaz

Publication

EP 2703606 A1 20140305 (EN)

Application

EP 13180525 A 20130815

Priority

US 201213598059 A 20120829

Abstract (en)

Embodiments of the present application include a variable stator vanes control mechanism (100) for a gas turbine engine. The control mechanism (100) includes a moveable actuation rod (102) in operative communication with a first unison ring (104) such that movement of the actuation rod (102) drives the first unison ring (104). The control mechanism (100) also includes a linkage (114) in operative communication with the first unison ring (104) and a second unison ring (116) such that movement of the first unison ring (104) drives the second unison ring (116).

IPC 8 full level

F01D 17/16 (2006.01)

CPC (source: EP US)

F01D 17/162 (2013.01 - EP US)

Citation (search report)

- [X] EP 1207271 A2 20020522 - GEN ELECTRIC [US]
- [X] EP 1724472 A2 20061122 - SNECMA [FR]
- [X] EP 1724471 A2 20061122 - SNECMA [FR]

Cited by

GB2519551A; EP2949878A1; EP3336319A1; EP3530885A1; US10578029B2; US9890656B2

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

DOCDB simple family (publication)

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DOCDB simple family (application)

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