

Title (en)

Regulation device for centering the unison ring for the variable stator vanes of a turbomachine.

Title (de)

Regeleinrichtung zur Zentrierung des Verstellringes für die verstellbaren Leitschaufeln einer Turbomaschine.

Title (fr)

Dispositif de réglage du centrage d'un anneau de synchronisation de commande d'aubes pivotantes de turbomachine

Publication

EP 1696134 B1 20140402 (FR)

Application

EP 06110207 A 20060221

Priority

FR 0501931 A 20050225

Abstract (en)

[origin: EP1696134A2] The device has pads (30) that are in contact with a circular surface (28) coaxial to a control ring (26). Pivoting vanes e.g. variable-pitch vanes, are connected to the ring via a lever (20). The lever has an end fixed to the ring via a crank pin (24) and another end mounted on a pivot of the vane. The crank pin is disposed radially on the ring. Each pad is fixed to a pad carrier (32). The pad carrier is fixed below the control ring by bolt type attachment systems (38). The attachment systems are assembled through top of the ring. A spring is placed between the carrier and the pads.

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 2230/644** (2013.01 - EP US)

Cited by

WO2016092172A1; FR3024996A1; FR3119859A1; FR3029562A1; RU2705128C2; EP2481892A3; US10494937B2; US10662805B2

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