

Title (en)

Drive device for pivoting adjustable vanes of a turbomachine

Title (de)

ANTRIEBSVORRICHTUNG ZUM SCHWENKEN VON VERSTELLBAREN SCHAUFELN EINER TURBOMASCHINE

Title (fr)

Dispositif d'entraînement pour le pivotement d'aubes réglables d'une turbomachine

Publication

EP 2536922 A1 20121226 (DE)

Application

EP 11704062 A 20110215

Priority

- EP 10001722 A 20100219
- EP 2011052188 W 20110215
- EP 11704062 A 20110215

Abstract (en)

[origin: EP2362070A1] The drive device has an annular flow channel section (23) surrounded by a blade carrier (22), where the section is extended along a center line (24) of the blade carrier. The blades (19) are provided in the section in a ray-like manner for forming a ring. Each of the blades is pivoted about a longitudinal axis (31) and has a pin (26) which extends into the blade carrier. The pin is coupled to an adjustment ring (28) which encloses the blade carrier and is driven by a motor.

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)

Citation (search report)

See references of WO 2011101334A1

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

DOCDB simple family (publication)

EP 2362070 A1 20110831; CN 102762818 A 20121031; EP 2536922 A1 20121226; JP 2013519836 A 20130530; RU 2012139958 A 20140327; US 2012308364 A1 20121206; WO 2011101334 A1 20110825

DOCDB simple family (application)

EP 10001722 A 20100219; CN 201180009814 A 20110215; EP 11704062 A 20110215; EP 2011052188 W 20110215; JP 2012553285 A 20110215; RU 2012139958 A 20110215; US 201113579612 A 20110215