

Title (en)

DEVICE FOR CONTROLLING AN AIRFLOW GUIDING SYSTEM, IN PARTICULAR IN AN AIRCRAFT TURBINE ENGINE

Title (de)

VORRICHTUNG ZUR STEUERUNG EINES LUFTSTROMFÜHRUNGSSYSTEMS, INSBESONDERE IN EINEM FLUGZEUGTURBINENTRIEBWERK

Title (fr)

DISPOSITIF DE COMMANDE D'UN SYSTÈME DE GUIDAGE DU FLUX D'AIR, NOTAMMENT DANS UNE TURBOMACHINE D'AÉRONEF

Publication

EP 4244468 A1 20230920 (FR)

Application

EP 21810575 A 20211110

Priority

- FR 2011526 A 20201110
- EP 2021081232 W 20211110

Abstract (en)

[origin: WO2022101260A1] Device (30) for controlling an airflow guiding system (20), comprising at least one actuator (31) configured to translate a control rod (32) between a first and a second end position of a nominal operating range in which at least one vane (21a) of the airflow guiding system (20) can be moved between a first and a second angle, the control rod (32) being connected to the vane (21a) by a control lever (33) comprising a first control rod (36) and a second control rod (37) which are hinged together. The actuator (31) is configured to bring the control rod (32) into a safety position located beyond the second end position of the nominal operating range and to orient the vane (21a) at a safe pitch angle between the first angle and the second angle.

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 17/10** (2013.01 - EP); **F04D 27/0246** (2013.01 - EP); **F04D 29/462** (2013.01 - EP); **F04D 29/563** (2013.01 - US); **F05D 2220/329** (2013.01 - US); **F05D 2240/128** (2013.01 - US); **F05D 2260/406** (2013.01 - EP); **F05D 2260/50** (2013.01 - EP); **F05D 2260/60** (2013.01 - US)

Citation (search report)

See references of WO 2022101260A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

FR 2011526 A 20201110; CN 202180076063 A 20211110; EP 2021081232 W 20211110; EP 21810575 A 20211110; US 202118034988 A 20211110