

Title (en)

Actuating system for variable stator vanes

Title (de)

Betätigungseinrichtung für verstellbare Statorschaufeln

Title (fr)

Dispositif de commande d'un etage d'aubes à calage variable

Publication

EP 0765992 A1 19970402 (FR)

Application

EP 96402040 A 19960926

Priority

FR 9511301 A 19950927

Abstract (en)

The mechanism consists of blades (3) connected by levers (9) to control rings (10) which are pivoted to cams (15), each turning about a first fixed axis (17). Each cam is linked to a control lever (21) which rotates about a second fixed axis (26) lying parallel to the first one by means of an arm (22). The arm is pivoted to the cam and control lever at points which are separate from the two fixed axes. The cams (15a, 15b, 15c) which are connected to other control rings (10) are linked to a synchronising bar (20) at points identical to that of the first cam (15).

Abstract (fr)

Dispositif de commande d'aubes pivotantes ou à calage variable (3) d'une turbine à gaz dans lequel l'anneau de commande (10) tourne sous l'effet d'une came coudée (15) commandée par un système à bielle (22) et manivelle (21). Une loi de rotation non linéaire entre les aubes (3) et la manivelle (21) est imposée par ce système. <IMAGE>

IPC 1-7

F01D 17/16

IPC 8 full level

F01D 17/16 (2006.01)

CPC (source: EP US)

F01D 17/162 (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

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