

Title (en)

Improvement of a ring for controlling the pitch of stator vanes of a turbomachine.

Title (de)

Verbesserung eines Stellrings für die Anstellung von Leitradschaufeln eines Turbotriebwerks

Title (fr)

Perfectionnement à un anneau de commande de calage des aubes fixes d'une turbomachine.

Publication

EP 2053203 A1 20090429 (FR)

Application

EP 08166367 A 20081010

Priority

FR 0758244 A 20071012

Abstract (en)

The turbomachine has a compressor (11) i.e. high pressure compressor, including fixed variable orientation blades arranged circumferentially in a casing (13), where each blade has a control pivot connected to a common control ring (17) by a blade orientation control arm (27). The ring is coaxial to the casing and rotatably mounted at the exterior of the casing. The ring has two sections (30a, 30b) i.e. semi-rings, assembled by lateral connecting flanges i.e. beveled annular segments, that are fitted on both sides of the sections and fitted nearer to ends of the sections by parallel bolting.

Abstract (fr)

Turbomachine comportant un étage d'aubes fixes à calage variable. Un anneau de commande (17) coaxial au carter (13) comporte deux tronçons (30a, 30b) assemblés par des flasques de liaison latéraux (33) fixés avec encastrement de part et d'autre des tronçons au voisinage des extrémités de ceux-ci.

IPC 8 full level

F01D 17/16 (2006.01)

CPC (source: EP US)

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Citation (applicant)

FR 2125012 A5 19720922 - GEN ELECTRIC

Citation (search report)

- [XY] US 3685920 A 19720822 - BURGE JOSEPH C
- [Y] EP 1496208 A1 20050112 - SNECMA MOTEURS [FR]
- [A] GB 2412946 A 20051012 - ROLLS ROYCE PLC [GB]
- [A] EP 0274931 A2 19880720 - SNECMA [FR]
- [A] FR 2599785 A1 19871211 - SNECMA [FR]
- [A] EP 1059422 A1 20001213 - SNECMA MOTEURS [FR]

Cited by

FR3072719A1; FR3079870A1; FR3063779A1; GB2562355A; GB2562355B; US11047255B2; US10808722B2

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