

Title (en)

Assembly device for a circular row of variable guide vanes

Title (de)

Montageweise für einen Ring mit verstellbaren Leitschaufeln

Title (fr)

Dispositif d'assemblage d'un étage circulaire d'aubes pivotantes

Publication

EP 0696675 A1 19960214 (FR)

Application

EP 95401862 A 19950809

Priority

FR 9409867 A 19940810

Abstract (en)

The circular stage of pivoting blades (1) are assembled on sectors, joined into a retaining ring, (16) with housings (15) for support casings (12) for the blade pivots (11). The sectors are held on an annular rail (18). An annular ring (33), distinct from the rail, is engaged in grooves (34) in the pivots for holding them against axial movement. The rail has a hollow section (21) with a bottom part (22) which covers the pivots. The annular ring is located between the rail bottom and the sectors. The rail bottom has a layer of easy wearing material (31) belonging to a seal (32). The annular ring has openings composed of a wide part, of greater diameter than the pivots, and a narrow part less than the pivot diameter but greater than the groove, into which the pivots are engaged.

Abstract (fr)

Dispositif d'assemblage d'un étage circulaire d'aubes (1) pivotantes, composé d'un anneau (16) de retenue de douilles (12) dans lesquelles les pivots des aubes (11) tournent, cet anneau (16) étant composé de secteurs (17) s'étendant entre les pivots (11) et unis entre eux par un rail circulaire (18). Un anneau (33) distinct du rail ou intégré à lui, ajouré, est engagé dans des gorges (34) des pivots pour les retenir contre un mouvement axial. <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); **F05D 2250/141** (2013.01 - EP US)

Citation (applicant)

FR 2556410 A1 19850614 - SNECMA [FR]

Citation (search report)

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