

Title (en)
Mounting arrangement of pivot shafts for variable guide vanes

Title (de)
Montageanordnung von Schwenkachsen verstellbarer Leitschaufeln

Title (fr)
Agencement de montage d'aubes a calage variable

Publication
EP 1439283 A1 20040721 (FR)

Application
EP 04100115 A 20040115

Priority
FR 0300476 A 20030117

Abstract (en)
The lay-out has blade pins (2) crossing a case (4) and whose external portions are divided into two parts (15, 16) connected by an axial position adjustment unit (17) permitting to vary their length. The part (16) is removable from the pins and has a threaded end (18) in which a clamping nut (19) is engaged. The part (16) has a stopper (20) intended to control levers (10) that are tightened between the stopper and the nut.

Abstract (fr)
Les pivots (2) d'aubes (1) comprennent des portions amovibles (16) à leur extrémité extérieure dont la hauteur peut être réglée par un filetage (17) ou un moyen équivalent afin d'ajuster la distance entre la tête (9) d'un levier (10) de commande du calage de l'aube et le carter (4) ou la collerette (8) d'un palier (5) : si les douilles de centrage (7) des paliers (5 et 6) sont usées, les basculements néfastes des pivots (2) seront limités par un appui de butée de la tête (9). <IMAGE>

IPC 1-7
F01D 17/16

IPC 8 full level
F01D 9/02 (2006.01); **F01D 1/00** (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP US)
F01D 17/16 (2013.01 - EP US); **F01D 17/162** (2013.01 - EP US)

Citation (search report)

- [A] EP 0545656 A1 19930609 - GEN ELECTRIC [US]
- [A] US 4307994 A 19811229 - BREWER DONALD F
- [A] FR 2699595 A1 19940624 - SNECMA [FR]
- [A] FR 2583820 A1 19861226 - SNECMA [FR]
- [A] US 4139329 A 19790213 - KORTA JOHN
- [A] US 3990810 A 19761109 - AMOS DAVID J, et al
- [A] DE 2113194 A1 19720928 - DAIMLER BENZ AG

Cited by
EP4130441A1

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