

Title (en)

Variable inlet guide vane with a built-in turntable.

Title (de)

Verstellvorrichtung für schwenkbare Leitschaufeln mit eingebautem Drehteller.

Title (fr)

Aube de stator à calage variable à coupelle rapportée.

Publication

**EP 0395498 A1 19901031 (FR)**

Application

**EP 90401108 A 19900425**

Priority

FR 8905517 A 19890426

Abstract (en)

[origin: US5039277A] A variable vane assembly for a gas turbine engine is disclosed having a disk member bearing against a recess formed in the inner surface of the gas turbine engine casing is formed separately from the vane. The disk member has a diametrical notch that accommodates a strip member formed integrally with the vane and which extends generally parallel to the chord of the vane. The control rod, which is also formed integrally with the vane, passes through an opening defined by the disk member and is pivotally supported by the engine casing. A low friction sleeve may be interposed between the control rod and the opening defined by the engine casing to reduce the pivoting friction of the vane. This sleeve may be formed as a separate element, or may be formed integrally with the disk member, which may also be formed of low-friction material.

Abstract (fr)

Une aube à calage variable pour turbomachine comporte une platine de raccordement pale/pivot-tige de tête constituée d'une coupelle cylindrique (15) rapportée dont la paroi cylindrique tourillonne dans un lamage (14) du carter et qui comporte une rainure rectangulaire (15c) diamétrale d'entraînement coopérant avec une languette rectangulaire (13) taillée dans le prolongement de la pale de l'aube. Application aux turboréacteurs.

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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DE FR GB

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**EP 0395498 A1 19901031**; **EP 0395498 B1 19920909**; DE 69000296 D1 19921015; DE 69000296 T2 19930325; FR 2646467 A1 19901102; US 5039277 A 19910813

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