

Title (en)

Device for attachment vanes by bolting to a shroud of a turbomachine stator stage and associated method for attachment by bolting

Title (de)

Vorrichtung zur Befestigung durch Verschraubung von Leitschaufeln an den Mantelring einer Statorstufe einer Strömungsmaschine und entsprechendes Befestigungsverfahren durch Verschraubung

Title (fr)

Dispositif de fixation par boulonnage d'aubes à une virole d'étage de stator d'une turbomachine et procédé associé de fixation par boulonnage

Publication

**EP 2075412 A1 20090701 (FR)**

Application

**EP 07124067 A 20071226**

Priority

EP 07124067 A 20071226

Abstract (en)

The stage has vanes (1) fixed to an external shroud (2) by bolting of a threaded rod (12), where a platform forming part of the rod is housed in a groove of the shroud. A platform forming part forms a platform (11) with shoulders, and a compressible material element (3) is in support against the shoulders and against the groove of the shroud. The compressible material element compressed during bolting recaptures the clearance at the time of its mounting between the platform and the shroud to permit the realization of systematic setting of the vanes. An independent claim is also included for a method for fixing a vane to a shroud of a stator stage.

Abstract (fr)

L'invention concerne un étage de stator comprenant au moins une virole (2) et, une pluralité d'aubes (1) fixées par boulonnage à la virole et dont la partie formant plateforme (11) est logée dans une gorge (20) de la virole (2), dans lequel la plateforme (11) comprend au moins un épaulement (111, 111a, 111b), un élément en matériau compressible (3) étant, à l'état compressé au moins en partie, en appui contre cet épaulement (111, 111a, 111b) et contre la gorge (20) de la virole (2).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] EP 0953729 A1 19991103 - TECHSPACE AERO [BE]
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Cited by

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