

Title (en)

Sealing and locking device for the vanes of a turbo machine.

Title (de)

Dichtungs- und Sicherungsring für die Schaufeln einer Turbomaschine.

Title (fr)

Dispositif d'étanchéité et de verrouillage axial d'aubes d'une turbomachine.

Publication

EP 0263002 A1 19880406 (FR)

Application

EP 87401958 A 19870902

Priority

FR 8612357 A 19860903

Abstract (en)

[origin: US4730983A] A locking and sealing system is disclosed for attaching a rotor blade to a rotor blade disk in a turbojet engine. The system has a first split ring member which locks the rotor blade foot portion onto the rotor blade disk. A second split ring member is inserted between the first split ring member in a downstream flange of the rotor blade foot portions to provide a positive seal to prevent air leakage between the foot portions and the notches formed in the rotor disk.

Abstract (fr)

Un moyen de verrouillage et d'étanchéité d'une aube brochée sur un disque de rotor de turbomachine comporte un premier segment fendu (15) possédant une échancrure (16) de passage d'une aube est vissé dans les rainures circulaires (13) des aubes et (14) du disque pour assurer l'étanchéité amont-aval tandis qu'un second segment fendu (17) est comprimé circulairement pour venir verrouiller le premier segment (15) dans la gorge (13) par centrifugation en fonctionnement. Application aux compresseurs haute pression de turbomachines d'aviation.

IPC 1-7

F01D 5/30

IPC 8 full level

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CPC (source: EP US)

F01D 5/3015 (2013.01 - EP US); **F01D 11/006** (2013.01 - EP US)

Citation (search report)

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