

Title (en)

Device for locking blades in a disk groove

Title (de)

Vorrichtung zur Sicherung von Laufschaufeln in einer Nut einer Rotorscheibe

Title (fr)

Dispositif de blocage des aubes dans une rainure d'un disque

Publication

EP 1314856 B1 20050126 (FR)

Application

EP 02292896 A 20021122

Priority

FR 0115095 A 20011122

Abstract (en)

[origin: EP1314856A1] The fastening for fixing turbine blade roots (7) in the peripheral groove (2) of a disc (1) after insertion through a port consists of a locking element (16) fitted into the gap separating two adjacent blade roots and lifted into a locking recess in the groove side walls by a radial screw (17) which has its head (41) against the bottom of the groove. The screw head is held radially towards the outside by the roots of adjacent blades, and there is a radial gap between the bottom of the groove and the base of the blade roots.

IPC 1-7

F01D 5/30

IPC 8 full level

F01D 5/02 (2006.01); **F01D 5/30** (2006.01); **F01D 5/32** (2006.01)

CPC (source: EP US)

F01D 5/3038 (2013.01 - EP US); **F01D 5/32** (2013.01 - EP US)

Cited by

EP2719866A1; CN104481594A; FR2965008A1; FR2973066A1; FR2964692A1; EP2669478A1; EP3696380A1; FR2973067A1; FR2973068A1; US10066487B2; US8858181B2; WO2012131227A1

Designated contracting state (EPC)

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