

Title (en)

Device for mounting an annular flask at a radial side of a bladed rotor

Title (de)

Vorrichtung zur Halterung eines ringförmigen Lagerschildes an einer radialen Seite eines beschaufelten Rotors

Title (fr)

Dispositif de rétention d'une flasque annulaire contre une face radiale d'un disque à aubes

Publication

EP 1180580 B1 20050622 (FR)

Application

EP 01402146 A 20010809

Priority

FR 0010503 A 20000810

Abstract (en)

[origin: US2002018719A1] An apparatus for axially retaining rotor blades to an annular radially extending disk having a recess and a flange. An annular retaining ring is disposed in the recess and includes an axially extending lip and an axially outer side forming an annular bevel surface along a radially outer edge. A retaining plate having an axially extending base, a radially extending outward arm and a radially extending inward leg having an annular bevel surface along an axially inner, radially inner edge is affixed to the disk and the leg cooperates with the lip of the ring. Wherein, the bevel surfaces of the retaining plate and retaining ring are arranged outwardly opposite to one another so that the bevel surfaces are radially compressed along each other as the base slidably engages with the recess walls.

IPC 1-7

F01D 5/30; **F01D 11/00**

IPC 8 full level

F01D 5/02 (2006.01); **F01D 5/30** (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)

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

Cited by

EP2009244A1; EP1795709A3; EP2514923A1; FR2918106A1; US8348620B2; EP3219912B1

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