

Title (en)

AXIAL LOCKING OF ROTOR BLADES FOR TURBINES AND COMPRESSORS

Publication

**EP 0084491 B1 19860108 (FR)**

Application

**EP 83400080 A 19830113**

Priority

FR 8200496 A 19820114

Abstract (en)

[origin: US4466776A] The device is composed of a conical section located on the edge of the disk rim. The greatest radius of the conical section is at least equal to the radius of the circumference passing through the bottom of the axial grooves into which the blade roots are inserted. A groove is formed in the end of the lower part of the root, this groove having a right angle triangular section. A locking part has one face pressed against the bearing and two other faces against the sides of the groove in the root. A blade extending longitudinally in the locking part works together with a groove in the slot of the blade root to keep the locking part in place.

IPC 1-7

**F01D 5/30**

IPC 8 full level

**F01D 5/30** (2006.01); **F01D 5/32** (2006.01); **F04D 29/34** (2006.01)

CPC (source: EP US)

**F01D 5/30** (2013.01 - EP US); **F01D 5/326** (2013.01 - EP US)

Cited by

FR3139596A1; EP0690203A3; US9127563B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0084491 A1 19830727**; **EP 0084491 B1 19860108**; DE 3361730 D1 19860220; FR 2519692 A1 19830718; FR 2519692 B1 19860822; JP H0152561 B2 19891109; JP S58124007 A 19830723; US 4466776 A 19840821

DOCDB simple family (application)

**EP 83400080 A 19830113**; DE 3361730 T 19830113; FR 8200496 A 19820114; JP 405883 A 19830113; US 45794183 A 19830114