

Title (en)

Device for fixing a blade on a rotor disc of a turbomachine, turbomachine and method to assemble and disassemble a blade on a rotor disc of a turbomachine.

Title (de)

Sicherungsvorrichtung für eine an einer drehbaren Rotorscheibe angeordneten Laufschaufel einer Strömungsmaschine, Strömungsmaschine und Verfahren zur Montage und Demontage einer Laufschaufel an einer Rotorscheibe einer Strömungsmaschine

Title (fr)

Dispositif pour fixer une aube à un disque rotorique de turbomachine, turbomachine et procédé pour le montage et démontage d'une aube au disque rotorique d'une turbomachine

Publication

EP 1619354 B1 20080409 (DE)

Application

EP 04017390 A 20040722

Priority

EP 04017390 A 20040722

Abstract (en)

[origin: EP1619354A1] The securing device has includes a blind hole (35), which is provided with a thread (37), in which the securing element (39), built out in the form of a locking screw (41) can be screwed. The rotor disc (23) has a receiving aperture (33), through which the tool can be passed to turn the locking screw with the thread.

IPC 8 full level

F01D 5/32 (2006.01)

CPC (source: EP US)

F01D 5/3053 (2013.01 - EP US); **F01D 5/326** (2013.01 - EP US); **F05D 2230/644** (2013.01 - EP US); **F05D 2230/70** (2013.01 - EP US); **F05D 2260/30** (2013.01 - EP US); **Y10T 29/49318** (2015.01 - EP US); **Y10T 29/49321** (2015.01 - EP US)

Cited by

EP2299060A1; US8956122B2; US9903205B2; WO2013131774A1; WO2011033063A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1619354 A1 20060125; **EP 1619354 B1 20080409**; AT E391835 T1 20080415; CN 100350133 C 20071121; CN 1724850 A 20060125; DE 502004006777 D1 20080521; JP 2006037954 A 20060209; JP 4181567 B2 20081119; US 2006018756 A1 20060126; US 7467925 B2 20081223

DOCDB simple family (application)

EP 04017390 A 20040722; AT 04017390 T 20040722; CN 200510084760 A 20050720; DE 502004006777 T 20040722; JP 2005211063 A 20050721; US 18673605 A 20050721