

Title (en)

TURBINE WHEEL PROVIDED WITH AN AXIAL RETENTION DEVICE THAT LOCKS BLADES IN RELATION TO A DISK

Title (de)

TURBINENRAD MIT EINER AXIALRÜCKHALTEVORRICHTUNG, DIE SCHAUFELN BEZÜGLICH EINER SCHEIBE VERRIEGELT

Title (fr)

ROUE DE TURBINE EQUIPEE D'UN DISPOSITIF DE RETENUE AXIALE VERROUILLANT DES PALES PAR RAPPORT A UN DISQUE

Publication

EP 2373872 B1 20121205 (FR)

Application

EP 09803826 A 20091210

Priority

- FR 2009052469 W 20091210
- FR 0858461 A 20081211

Abstract (en)

[origin: WO2010067024A2] The present invention relates to a turbine wheel, including: a plurality of blades (14), each blade having a profile (144); a platform (142) and a clip (140); a disk (12), on the periphery of which the blades (14) are mounted, the clip of each blade being inserted into a recess (120) that opens into the periphery of the disk, and axially extending between two opposite surfaces (128, 130) of the disk, the recesses being separated by teeth (121); and a device (16) for axially retaining the blades. The disk comprises a first stopping member (126), and the platform of said blade comprises a projection (150) that axially projects beyond one of the surfaces of the disk. Said projection comprises a second stopping member (146). The axial projection, the second stopping member, and said surface of the disk form a groove that is oriented towards the disk axis (A), said groove being intended to receive the axial retention device.

IPC 8 full level

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

CPC (source: EP KR US)

F01D 5/14 (2013.01 - KR); **F01D 5/30** (2013.01 - KR); **F01D 5/32** (2013.01 - KR); **F01D 5/326** (2013.01 - EP US)

Cited by

EP3201438B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010067024 A2 20100617; WO 2010067024 A3 20100805; CA 2746431 A1 20100617; CA 2746431 C 20160607; CN 102245859 A 20111116; CN 102245859 B 20140430; EP 2373872 A2 20111012; EP 2373872 B1 20121205; ES 2399851 T3 20130403; FR 2939832 A1 20100618; FR 2939832 B1 20110107; JP 2012511663 A 20120524; JP 5726747 B2 20150603; KR 101672065 B1 20161102; KR 20110098935 A 20110902; PL 2373872 T3 20130531; RU 2011128021 A 20130120; RU 2507400 C2 20140220; US 2011311366 A1 20111222; US 8956119 B2 20150217

DOCDB simple family (application)

FR 2009052469 W 20091210; CA 2746431 A 20091210; CN 200980150190 A 20091210; EP 09803826 A 20091210; ES 09803826 T 20091210; FR 0858461 A 20081211; JP 2011540173 A 20091210; KR 20117015318 A 20091210; PL 09803826 T 20091210; RU 2011128021 A 20091210; US 200913139109 A 20091210