

Title (en)

DEVICE FOR LOCKING A ROOT OF A ROTOR BLADE

Title (de)

VORRICHTUNG ZUR ARRETIERUNG EINES FUSSES EINER LAUFSCHAUFEL

Title (fr)

DISPOSITIF DE BLOCAGE D'UN PIED D'UNE AUBE DE ROTOR

Publication

**EP 2603670 B1 20180307 (FR)**

Application

**EP 11758248 A 20110808**

Priority

- FR 1056528 A 20100810
- FR 2011051882 W 20110808

Abstract (en)

[origin: WO2012020195A1] A device (8) for locking a root of a rotor blade in a groove in a rotor disc of a turbomachine, comprising: - a circular ring sector (81) designed to be mounted, transversely to the axis of the turbomachine, in a groove in the rotor disc; - at least one locking wedge (82), which is rigidly secured and perpendicular to the ring sector (81), and extends parallel to the axis (S) of the ring sector (81) so as to hold the root of the blade radially in the groove; and - at least one locking tooth (83) extending from the ring sector (81) radially with respect to the axis (S) of the ring sector (81), so as to prevent the root of the blade from moving axially in the groove.

IPC 8 full level

**F01D 5/30** (2006.01)

CPC (source: EP US)

**F01D 5/3084** (2013.01 - EP US); **F01D 5/323** (2013.01 - EP US); **F01D 5/326** (2013.01 - US)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2012020195 A1 20120216**; BR 112013002996 A2 20160614; BR 112013002996 B1 20201208; CA 2807556 A1 20120216; CA 2807556 C 20180417; CN 103080479 A 20130501; CN 103080479 B 20151209; EP 2603670 A1 20130619; EP 2603670 B1 20180307; FR 2963806 A1 20120217; FR 2963806 B1 20130503; RU 2013109409 A 20140920; RU 2572654 C2 20160120; US 2013136605 A1 20130530; US 9429030 B2 20160830

DOCDB simple family (application)

**FR 2011051882 W 20110808**; BR 112013002996 A 20110808; CA 2807556 A 20110808; CN 201180039352 A 20110808; EP 11758248 A 20110808; FR 1056528 A 20100810; RU 2013109409 A 20110808; US 201113816083 A 20110808