

Title (en)

TURBOMACHINE ROTOR WITH A MEANS FOR AXIAL RETENTION OF THE BLADES

Title (de)

TURBOMASCHINENROTOR MIT MITTEL ZUR AXIALBEFESTIGUNG DER SCHAUFELN

Title (fr)

ROTOR DE TURBOMACHINE AVEC MOYEN DE RETENUE AXIALE DES AUBES

Publication

**EP 2705256 A1 20140312 (FR)**

Application

**EP 12725108 A 20120504**

Priority

- FR 1153839 A 20110504
- FR 2012051004 W 20120504

Abstract (en)

[origin: WO2012150425A1] The invention relates to a rotor of a turbomachine, such as a multi-flow turbojet engine fan, having a disc (4) comprising, on the rim thereof, substantially axial slots with a dovetailed cross-section, and blades (6) mounted individually in the slots, an axial wedge (143) being positioned between the root of the blades and the bottom of the slots, and a transverse lock (144) providing upstream axial immobilization of the blades in the slot thereof, the lock being guided in radial notches formed in the flanks of the slots and radially supported against the wedge. The rotor is characterized in that the axial wedge (143) is immobilised in the upstream direction, butting up against a transverse annular component (145) secured to the disc (4).

IPC 8 full level

**F04D 29/32** (2006.01); **F01D 5/32** (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP RU US)

**F01D 5/3038** (2013.01 - US); **F01D 5/323** (2013.01 - EP RU US); **F01D 11/008** (2013.01 - EP RU US); **F04D 29/322** (2013.01 - EP RU US); **F05D 2220/36** (2013.01 - EP US)

Citation (search report)

See references of WO 2012150425A1

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 2012150425 A1 20121108**; BR 112013028170 A2 20170110; BR 112013028170 B1 20210323; CA 2834759 A1 20121108; CA 2834759 C 20190108; CN 103502653 A 20140108; CN 103502653 B 20161026; EP 2705256 A1 20140312; EP 2705256 B1 20170208; FR 2974864 A1 20121109; FR 2974864 B1 20160527; JP 2014513765 A 20140605; JP 6027606 B2 20161116; RU 2013150342 A 20150610; RU 2607986 C2 20170111; US 2014072437 A1 20140313; US 9441494 B2 20160913

DOCDB simple family (application)

**FR 2012051004 W 20120504**; BR 112013028170 A 20120504; CA 2834759 A 20120504; CN 201280021662 A 20120504; EP 12725108 A 20120504; FR 1153839 A 20110504; JP 2014508866 A 20120504; RU 2013150342 A 20120504; US 201214115513 A 20120504