

Title (en)

BLADE FASTENING MECHANISM HAVING A SECURING DEVICE FOR TURBINE BLADES

Title (de)

SCHAUFELBEFESTIGUNG MIT SICHERUNGSEINRICHTUNG FÜR TURBINENSCHAUFELN

Title (fr)

FIXATION D'AUBE AVEC DISPOSITIF DE BLOCAGE POUR AUBES DE TURBINE

Publication

EP 3212895 A1 20170906 (DE)

Application

EP 16700042 A 20160105

Priority

- EP 15151806 A 20150120
- EP 2016050066 W 20160105

Abstract (en)

[origin: WO2016116285A1] The invention relates to a securing device (2) for a turbine blade; said securing device (2) prevents the turbine blade from moving radially and axially and is characterized by a retaining piece (10) that includes a projection (15) which extends into a recess (17) in the root (3) of the turbine blade and which prevents the blade from moving axially.

IPC 8 full level

F01D 5/32 (2006.01)

CPC (source: CN EP KR RU US)

F01D 5/30 (2013.01 - RU); **F01D 5/3015** (2013.01 - US); **F01D 5/32** (2013.01 - RU); **F01D 5/323** (2013.01 - CN EP KR US); **F04D 29/34** (2013.01 - RU); **F05D 2220/32** (2013.01 - US); **F05D 2260/36** (2013.01 - CN EP KR US); **F05D 2260/38** (2013.01 - CN EP KR 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3048256 A1 20160727; CN 107208490 A 20170926; CN 107208490 B 20190806; EP 3212895 A1 20170906; EP 3212895 B1 20210317; JP 2018505994 A 20180301; JP 6527959 B2 20190612; KR 101942209 B1 20190124; KR 20170103010 A 20170912; RU 2668512 C1 20181001; US 10487674 B2 20191126; US 2018266259 A1 20180920; WO 2016116285 A1 20160728

DOCDB simple family (application)

EP 15151806 A 20150120; CN 201680006607 A 20160105; EP 16700042 A 20160105; EP 2016050066 W 20160105; JP 2017555832 A 20160105; KR 20177023020 A 20160105; RU 2017129253 A 20160105; US 201615542510 A 20160105