

Title (en)

ROTOR WITH OVERHANG ON ROTOR BLADES FOR A SECURING ELEMENT

Title (de)

ROTOR MIT ÜBERHANG AN LAUFSCHAUFELN FÜR EIN SICHERUNGSELEMENT

Title (fr)

ROTOR COMPRENANT UN PORTE À FAUX SUR LES PALES POUR UN ÉLÉMENT DE SÉCURITÉ

Publication

EP 3236011 B1 20220831 (DE)

Application

EP 17166817 A 20170418

Priority

DE 102016107315 A 20160420

Abstract (en)

[origin: US2017306771A1] A rotor for an engine is provided. The rotor comprising a rotor base part that has fastening grooves for rotor blades that are arranged in succession around a rotational axis along a circumferential direction, multiple rotor blades that are respectively supported in a form-fit manner inside a corresponding fastening groove by means of a blade root, and at least one securing element for the axial securing—with respect to a rotational axis—of at least one of the rotor blades at the rotor base part. The at least one securing element has two edges that are arranged at a radial distance to one another and through which the securing element is supported in a form-fit manner at the rotor base part, on the one hand, and, on the other hand, at the at least one rotor blade.

IPC 8 full level

F01D 5/30 (2006.01)

CPC (source: EP US)

F01D 5/02 (2013.01 - US); **F01D 5/12** (2013.01 - US); **F01D 5/3015** (2013.01 - EP US); **F01D 5/326** (2013.01 - US); **F05D 2220/32** (2013.01 - US); **F05D 2250/11** (2013.01 - US); **F05D 2250/13** (2013.01 - US); **F05D 2250/14** (2013.01 - US); **F05D 2250/70** (2013.01 - EP US); **F05D 2260/30** (2013.01 - EP US)

Citation (opposition)

Opponent : Chaillot

- US 2009116965 A1 20090507 - BRILLERT DIETER [DE], et al
- EP 2873807 A1 20150520 - SIEMENS AG [DE]
- EP 2860350 A1 20150415 - SIEMENS AG [DE]
- GB 2258273 B 19940810 - RUSTON GAS TURBINES LTD [GB], et al
- US 8956119 B2 20150217 - CHANTELOUP DENIS [FR]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 17166817 A 20170418; DE 102016107315 A 20160420; US 201715490242 A 20170418