

Title (en)

Method for repairing a rotor assembly of a turbo engine.

Title (de)

Verfahren zur Reparatur einer Rotoranordnung einer Turbomaschine.

Title (fr)

Procédé de réparation d'un agencement de rotor d'une turbomachine.

Publication

EP 2378065 B1 20160323 (DE)

Application

EP 11161686 A 20110408

Priority

DE 102010015404 A 20100419

Abstract (en)

[origin: EP2378065A2] The method involves receiving a ring section (28) in a groove (26) of a rotor, where the groove is extended in a circumferential direction (58). A notch is provided in the groove. A recess (44) is introduced into the groove. Engaging elements (48) are formed at the ring section for engaging into the recess to form an anti-twist protection in the circumferential direction. The engaging elements are welded or soldered at the groove before inserting the ring section into the groove. The engaging elements are formed by bending a partial region of the ring section. An independent claim is also included for a rotor arrangement comprising a rotor with a groove.

IPC 8 full level

F01D 5/00 (2006.01); **F01D 5/02** (2006.01)

CPC (source: EP US)

F01D 5/005 (2013.01 - EP US); **F01D 5/02** (2013.01 - EP US); **F05D 2230/80** (2013.01 - EP US); **Y10T 29/49318** (2015.01 - EP US)

Cited by

FR3021064A1

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)

EP 2378065 A2 20111019; **EP 2378065 A3 20150211**; **EP 2378065 B1 20160323**; CA 2737676 A1 20111019; DE 102010015404 A1 20111020; DE 102010015404 B4 20120216; US 2011255980 A1 20111020; US 8899919 B2 20141202

DOCDB simple family (application)

EP 11161686 A 20110408; CA 2737676 A 20110418; DE 102010015404 A 20100419; US 201113066526 A 20110415