

Title (en)

Gas turbine, corresponding assembly and disassembly methods of a rotor of a gas turbine

Title (de)

Gasturbine, zugehörige Montage- und Demontageverfahren eines Laufgitters einer Gasturbine.

Title (fr)

Turbine à gaz, procédés de montage et de démontage associés d'un rotor d'une turbine à gaz

Publication

**EP 2846003 B1 20191016 (DE)**

Application

**EP 14150518 A 20140109**

Priority

- EP 13183274 A 20130906
- EP 14150518 A 20140109

Abstract (en)

[origin: US2015071769A1] A method for disassembly of a rotor, in particular the front rotor of a gas turbine with a housing and a channel which diverges in a direction of flow and in which the rotor is arranged, is disclosed. An embodiment of the method includes axially displacing an outer sealing ring that is radially opposite the rotor, and whose minimum inside diameter is smaller than the maximum outside diameter of the rotor, against the direction of flow. Then, the rotor is axially displaced against the direction of flow, in particular out of the housing. A method for assembly of such a rotor, as well as a tool for the same, is also disclosed.

IPC 8 full level

**F01D 11/12** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)

**F01D 11/00** (2013.01 - US); **F01D 11/08** (2013.01 - US); **F01D 11/12** (2013.01 - EP US); **F01D 11/122** (2013.01 - US); **F01D 25/24** (2013.01 - US); **F01D 25/246** (2013.01 - EP US); **F01D 25/285** (2013.01 - EP US); **F01D 11/127** (2013.01 - EP); **F05D 2200/11** (2013.01 - US); **F05D 2220/3212** (2013.01 - EP US); **F05D 2230/60** (2013.01 - EP US); **F05D 2230/68** (2013.01 - EP US); **F05D 2230/70** (2013.01 - EP US); **F05D 2240/11** (2013.01 - EP US); **F05D 2260/36** (2013.01 - EP US); **F05D 2260/37** (2013.01 - EP US); **Y10T 29/49233** (2015.01 - EP); **Y10T 29/49318** (2015.01 - EP); **Y10T 29/49321** (2015.01 - EP); **Y10T 29/53983** (2015.01 - EP)

Cited by

CN113814915A

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 2846001 A1 20150311**; **EP 2846001 B1 20230111**; EP 2846002 A1 20150311; EP 2846002 B1 20191120; EP 2846003 A1 20150311; EP 2846003 B1 20191016; ES 2752555 T3 20200406; ES 2762511 T3 20200525; ES 2935815 T3 20230310; US 10125627 B2 20181113; US 11268398 B2 20220308; US 2015071769 A1 20150312; US 2015192026 A1 20150709; US 2015192028 A1 20150709; US 2018347388 A1 20181206; US 9416676 B2 20160816; US 9822657 B2 20171121; US RE48320 E 20201124

DOCDB simple family (application)

**EP 13183274 A 20130906**; EP 14150517 A 20140109; EP 14150518 A 20140109; ES 13183274 T 20130906; ES 14150517 T 20140109; ES 14150518 T 20140109; US 201414477492 A 20140904; US 201414584811 A 20141229; US 201414584867 A 20141229; US 201816058535 A 20180808; US 201816191706 A 20181115