

Title (en)

Gas turbine with a compressor with run-in coating and method of lapping the free extremities of compressor blades in a gas turbine

Title (de)

Gasturbine mit einem Verdichter mit Einlaufschicht und Verfahren zum Einlaufen von freien Endbereichen von Schaufeln eines Verdichters einer Gasturbine

Title (fr)

Turbine à gaz dotée d'un compresseur muni d'un revêtement de rodage et procédé de rodage des extrémités libres des aubes d'un compresseur de turbine à gaz

Publication

**EP 2083148 A3 20120606 (DE)**

Application

**EP 09000952 A 20090123**

Priority

- DE 102008005482 A 20080123
- DE 102008005480 A 20080123
- DE 102008005479 A 20080123

Abstract (en)

[origin: EP2083148A2] The gas turbine has a compressor with a set of blades, where the blades are provided with a free end in each case. An adjacent intake layer (6) is formed on the free end of the blade at a circular housing area. The intake layer is connected with a fluid supplying device (9) and is provided with liquid passage opening. An independent claim is included for a method for running free end area of blades of a compressor of a gas turbine.

IPC 8 full level

**F01D 11/08** (2006.01); **F01D 11/10** (2006.01)

CPC (source: EP US)

**F01D 11/10** (2013.01 - EP US); **F01D 11/122** (2013.01 - EP US); **F04D 27/0238** (2013.01 - EP US); **F04D 29/164** (2013.01 - EP US); **F05D 2300/222** (2013.01 - EP US); **F05D 2300/50** (2013.01 - EP US)

Citation (search report)

- [XAI] US 2006153673 A1 20060713 - GUEMMER VOLKER [DE]
- [X] DE 102004031255 A1 20060119 - MTU AERO ENGINES GMBH [DE]
- [X] EP 0751280 A1 19970102 - UNITED TECHNOLOGIES CORP [US]
- [X] US 2005141990 A1 20050630 - GUEMMER VOLKER [DE]
- [X] WO 2005114013 A1 20051201 - ROLLS ROYCE PLC [GB], et al

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 09000952 A 20090123**; US 32036809 A 20090123