

Title (en)

HIGH-PRESSURE TURBINE ROTOR, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

HOCHDRUCKTURBINEN-ROTOR UND VERFAHREN ZUR HERSTELLUNG EINES HOCHDRUCKTURBINEN-ROTORS

Title (fr)

ROTOR DE TURBINE HAUTE PRESSION ET SON PROCÉDÉ DE RÉALISATION

Publication

EP 2089174 A1 20090819 (DE)

Application

EP 07817645 A 20071010

Priority

- DE 2007001803 W 20071010
- DE 102006049216 A 20061018

Abstract (en)

[origin: CA2665069A1] The invention relates to a method for producing a high-pressure turbine rotor which is designed as a blisk and forms a radially inward disk and several vanes or blades that project from said disk. The turbine rotor has an internal duct system for air cooling. At least one section of said turbine rotor is manufactured in a generative production process. The invention further relates to a turbine rotor.

IPC 8 full level

B22F 3/105 (2006.01); **B22F 5/00** (2006.01); **B22F 5/04** (2006.01); **F01D 5/02** (2006.01)

CPC (source: EP US)

B22F 5/009 (2013.01 - EP US); **B22F 5/04** (2013.01 - EP US); **F01D 5/34** (2013.01 - EP US); **F01D 25/12** (2013.01 - EP US); **B22F 10/25** (2021.01 - EP US); **B22F 10/28** (2021.01 - EP US); **F05D 2230/30** (2013.01 - EP US); **F05D 2230/31** (2013.01 - EP US); **F05D 2230/50** (2013.01 - EP US); **F05D 2260/20** (2013.01 - EP US); **Y02P 10/25** (2015.11 - EP US); **Y02T 50/60** (2013.01 - EP US); **Y10T 29/4932** (2015.01 - EP US)

Citation (search report)

See references of WO 2008046388A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006049216 A1 20080424; CA 2665069 A1 20080424; EP 2089174 A1 20090819; EP 2218530 A1 20100818; US 2011052412 A1 20110303; WO 2008046388 A1 20080424

DOCDB simple family (application)

DE 102006049216 A 20061018; CA 2665069 A 20071010; DE 2007001803 W 20071010; EP 07817645 A 20071010; EP 10151557 A 20071010; US 44621107 A 20071010