

Title (en)

Turbomachine and method for turning a turbomachine

Title (de)

Turbomaschine und Verfahren zum Turnen einer turbomaschine

Title (fr)

Turbomachine et procédé de rotation d'une turbomachine

Publication

EP 2079901 A1 20090722 (DE)

Application

EP 07821277 A 20071012

Priority

- EP 2007060910 W 20071012
- EP 06021971 A 20061019
- EP 07821277 A 20071012

Abstract (en)

[origin: EP1914387A1] The turbo machine has a rotor (2) and a shaft sealing, which is designed as a dry gas seal. A turning device (60) is provided in a turbo machine strand. The turning device is designed in such a manner that the turning of the rotor takes place at a rotational speed of less than 10 revolutions/minute, preferably less than 1 revolution/minute. The turning device has a motor (61), where a gear is provided between the motor and the rotor. An independent claim is also included for a method for turning a rotor of a turbo machine.

IPC 8 full level

F01D 11/00 (2006.01); **F01D 25/34** (2006.01); **F01D 25/36** (2006.01); **F02C 7/28** (2006.01); **F16J 15/34** (2006.01)

CPC (source: EP)

F01D 11/003 (2013.01); **F01D 25/36** (2013.01); **F02C 7/28** (2013.01); **F16J 15/3484** (2013.01); **F16J 15/3492** (2013.01); **F16J 15/40** (2013.01); **F16J 15/4472** (2013.01)

Citation (search report)

See references of WO 2008046793A1

Citation (examination)

- DE 3533829 A1 19870402 - AEG KANIS TURBINEN [DE]
- SIEMENS WESTINGHOUSE POWER CORPORATION ORLANDO ET AL: "Advanced Turbine Systems Program - Phase III - Technical Progress - Final Report", 21 April 2004 (2004-04-21), MORGANTOWN, WV 26507-0880, XP055162476, Retrieved from the Internet <URL:http://www.osti.gov/scitech/servlets/purl/828617-4JNGhx/native/> [retrieved on 20150115]
- SAXENA M N: "Dry gas seals and support systems: benefits and options", HYDROCARBON PROCESSING, GULF PUBLISHING CO. HOUSTON, US, 1 November 2003 (2003-11-01), pages 37 - 41, XP003029643, ISSN: 0018-8190

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)

EP 1914387 A1 20080423; EP 2079901 A1 20090722; WO 2008046793 A1 20080424

DOCDB simple family (application)

EP 06021971 A 20061019; EP 07821277 A 20071012; EP 2007060910 W 20071012