

Title (en)
GAS TURBINE DEVICE

Title (de)
GASTURBINENVORRICHTUNG

Title (fr)
DISPOSITIF DE TURBINE À GAZ

Publication
EP 2891782 A4 20160518 (EN)

Application
EP 13833779 A 20130827

Priority
• JP 2012188346 A 20120829
• JP 2013072820 W 20130827

Abstract (en)
[origin: EP2891782A1] A gas turbine device in which the low frequency vibrations or the low frequency noises during the low load operation can be effectively suppressed with no increase of the pressure loss of the exhaust gas being triggered includes a gas turbine engine provided with an exhaust diffuser forming an upstream portion of an exhaust gas passage, an exhaust strut provided in the diffuser (20), and a swirling flow blocking plate. The swirling flow blocking plate is disposed on a downstream side of the exhaust strut in the exhaust gas passage so as to extend in an axial direction.

IPC 8 full level
F02C 7/24 (2006.01); **F01D 5/14** (2006.01); **F01D 25/00** (2006.01); **F01D 25/30** (2006.01); **F02C 7/00** (2006.01); **F04D 17/12** (2006.01)

CPC (source: EP US)
F01D 5/143 (2013.01 - EP US); **F01D 25/30** (2013.01 - EP US); **F04D 29/541** (2013.01 - US); **F04D 17/122** (2013.01 - EP US); **F05D 2240/12** (2013.01 - EP US); **F05D 2240/15** (2013.01 - EP US); **F05D 2260/96** (2013.01 - EP US)

Citation (search report)
• [XYI] GB 2226600 A 19900704 - GEN ELECTRIC [US]
• [X] US 5791136 A 19980811 - UTAMURA MOTOAKI [JP], et al
• [X] GB 739935 A 19551102 - GEN ELECTRIC
• [Y] EP 2381071 A1 20111026 - SIEMENS AG [DE]
• See references of WO 2014034643A1

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 2891782 A1 20150708; **EP 2891782 A4 20160518**; CA 2883759 A1 20140306; CN 104619972 A 20150513; JP 5996657 B2 20160921; JP WO2014034643 A1 20160808; US 2015167693 A1 20150618; WO 2014034643 A1 20140306

DOCDB simple family (application)
EP 13833779 A 20130827; CA 2883759 A 20130827; CN 201380045037 A 20130827; JP 2013072820 W 20130827; JP 2014533012 A 20130827; US 201514633466 A 20150227