Title (en)

METHOD FOR DIAGNOSING A GAS TURBINE

Title (de)

VERFAHREN ZUR BESTIMMUNG DES ANSAUGMASSENSTROMS EINER GASTURBINE

Title (fr)

PROCÉDÉ DE DIAGNOSTIC D'UNE TURBINE À GAZ

Publication

EP 2257933 A1 20101208 (DE)

Application

EP 09725928 A 20090324

Priority

- EP 2009053440 W 20090324
- EP 08005950 A 20080328
- EP 09725928 A 20090324

Abstract (en)

[origin: EP2105887A1] The method involves using an intake mass flow of a gas turbine (1) as a parameter during the prediction of the additional power. A combustion chamber pressure loss or the pressure loss between an environment and a compressor inlet is determined as the input parameters for determining the intake mass flow of a turbine inlet pressure. Independent claims are included for the following: (1) a gas turbine system with multiple components having a gas turbine and a control system; and (2) a prognosis module for use in a gas turbine system.

IPC 8 full level

G07C 3/00 (2006.01); **F01D 21/00** (2006.01)

CPC (source: EP US)

F01D 25/002 (2013.01 - EP US); **G07C 3/00** (2013.01 - EP US); F05D 2270/44 (2013.01 - EP US); F05D 2270/708 (2013.01 - EP US); F05D 2270/71 (2013.01 - EP US)

Citation (search report)

See references of WO 2009118311A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2105887 A1 20090930; CN 102099835 A 20110615; CN 102099835 B 20141217; EP 2257933 A1 20101208; EP 2257933 B1 20160727; JP 2011515620 A 20110519; JP 4906977 B2 20120328; MX 2010010608 A 20101109; RU 2010144075 A 20120510; RU 2517416 C2 20140527; US 2011247406 A1 20111013; US 9466152 B2 20161011; WO 2009118311 A1 20091001

DOCDB simple family (application)

EP 08005950 A 20080328; CN 200980111286 A 20090324; EP 09725928 A 20090324; EP 2009053440 W 20090324; JP 2011501199 A 20090324; MX 2010010608 A 20090324; RU 2010144075 A 20090324; US 93435809 A 20090324