

Title (en)

A GAS TURBINE SYSTEM AND CORRESPONDING METHOD FOR ASSEMBLING THIS SYSTEM

Title (de)

GASTURBINENSYSTEM UND ENTSPRECHENDES VERFAHREN FÜR DIE MONTAGE DIESES SYSTEMS

Title (fr)

SYSTÈME DE TURBINE À GAZ ET PROCÉDÉ CORRESPONDANT POUR L'ASSEMBLAGE DUDIT SYSTÈME

Publication

EP 2710227 A1 20140326 (EN)

Application

EP 12721544 A 20120518

Priority

- IT CO20110017 A 20110519
- EP 2012059303 W 20120518

Abstract (en)

[origin: WO2012156520A1] Method and gas turbine system (100) having a reduced footprint. The gas turbine system (100) includes a gas turbine (102) configured to produce energy and having a gas turbine shaft (106); an auxiliary equipment (104) attached to the gas turbine (102); an overhung shaft (108) of the auxiliary equipment (104) being configured to be attached to the gas turbine shaft (106); a flexible joint (110) configured to be provided between the shaft of the auxiliary equipment and the gas turbine shaft; and a bearing system (120a, 120b) having at least two bearing units provided at a first end of the shaft of the auxiliary equipment next to the flexible joint. A second end of the shaft of the auxiliary equipment is free of bearings.

IPC 8 full level

F01D 5/06 (2006.01); **F02C 7/06** (2006.01); **F02C 7/32** (2006.01); **F16C 9/00** (2006.01); **F16D 1/06** (2006.01); **H02K 7/08** (2006.01)

CPC (source: EP US)

B21D 53/84 (2013.01 - US); **F01D 5/066** (2013.01 - EP US); **F01D 25/16** (2013.01 - US); **F02C 7/06** (2013.01 - EP US); **F02C 7/32** (2013.01 - EP US); **F05D 2220/766** (2013.01 - EP US); **F05D 2240/62** (2013.01 - EP US); **Y10T 29/4932** (2015.01 - EP US)

Citation (search report)

See references of WO 2012156520A1

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)

WO 2012156520 A1 20121122; CA 2835341 A1 20121122; EP 2710227 A1 20140326; IT CO20110017 A1 20121120; JP 2014515447 A 20140630; US 2014093357 A1 20140403

DOCDB simple family (application)

EP 2012059303 W 20120518; CA 2835341 A 20120518; EP 12721544 A 20120518; IT CO20110017 A 20110519; JP 2014510829 A 20120518; US 201214118760 A 20120518