Title (en)

Gas turbine rotor with an axially displaceable turbine shaft

Title (de)

Gasturbinenrotor mit einer axial verschieblichen Turbinenrotorwelle

Title (fr)

Rotor de turbine à gaz avec un arbre de turbine réglable axialement

Publication

EP 2601383 A1 20130612 (DE)

Application

EP 11740864 A 20110720

Priority

- EP 10171951 A 20100805
- EP 2011062410 W 20110720
- EP 11740864 A 20110720

Abstract (en)

[origin: EP2415966A1] The drive train has compressor rotor shaft (100) and turbine rotor shaft (200) connected by coupling unit (310). The coupling unit is formed so that frictional connection is provided when two rotor shafts are shifted from each other. The end of compressor rotor shaft is extended with respect to turbine rotor shaft, so that the compressor rotor shaft is overlapped in axial direction, and the elongated end (210) of turbine rotor shaft connected with compressor rotor shaft in radial direction.

IPC 8 full level

F01D 5/02 (2006.01); **F01D 11/22** (2006.01); **F16D 1/08** (2006.01)

CPC (source: EP US)

F01D 5/026 (2013.01 - EP US); **F01D 11/22** (2013.01 - EP US); **F16D 1/101** (2013.01 - EP US); F05D 2260/37 (2013.01 - EP US); F16D 2001/103 (2013.01 - EP US)

Citation (search report)

See references of WO 2012016830A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2415966 A1 20120208; CN 103097664 A 20130508; CN 103097664 B 20151125; EP 2601383 A1 20130612; JP 2013534287 A 20130902; JP 5512893 B2 20140604; RU 2013109401 A 20140910; US 2013129478 A1 20130523; US 9243499 B2 20160126; WO 2012016830 A1 20120209

DOCDB simple family (application)

EP 10171951 A 20100805; CN 201180038609 A 20110720; EP 11740864 A 20110720; EP 2011062410 W 20110720; JP 2013522185 A 20110720; RU 2013109401 A 20110720; US 201113814008 A 20110720