

Title (en)

Gas turbine and corresponding gas or steam turbine plant

Title (de)

Gasturbine und zugehörige Gas- bzw. Dampfturbinenanlage

Title (fr)

Turbine à gaz et moteur à turbine à gaz associé

Publication

**EP 2347101 A1 20110727 (DE)**

Application

**EP 09827201 A 20090915**

Priority

- EP 2009061936 W 20090915
- EP 08020190 A 20081119
- EP 09827201 A 20090915

Abstract (en)

[origin: EP2189630A1] The gas turbine has a set of hollow cone-shaped or hollow cylindrical components e.g. vane support (16), arranged coaxially inside one another. One of the components includes elliptical-shaped cross-sectional surface in an idle state. Lengths of major and minor axes of the elliptical-shaped cross-sectional surface are selected in such a manner that the component includes a circular cross-sectional surface by thermal deformation in an operating state. The component includes an upper segment (24) and a lower segment (26).

IPC 8 full level

**F01D 25/24** (2006.01); **F01D 25/26** (2006.01); **F16M 1/04** (2006.01)

CPC (source: EP US)

**F01D 25/246** (2013.01 - EP US); **F01D 25/26** (2013.01 - EP US)

Citation (search report)

See references of WO 2010057698A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2189630 A1 20100526**; CN 102216570 A 20111012; CN 102216570 B 20140305; EP 2347101 A1 20110727; EP 2347101 B1 20130703; ES 2426099 T3 20131021; JP 2012508843 A 20120412; JP 5281167 B2 20130904; PL 2347101 T3 20131231; US 2011280721 A1 20111117; US 9074490 B2 20150707; WO 2010057698 A1 20100527

DOCDB simple family (application)

**EP 08020190 A 20081119**; CN 200980146179 A 20090915; EP 09827201 A 20090915; EP 2009061936 W 20090915; ES 09827201 T 20090915; JP 2011535935 A 20090915; PL 09827201 T 20090915; US 200913129633 A 20090915