

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)

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Citation (search report)

See references of WO 2010057698A1

Designated contracting state (EPC)

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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

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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