Title (en)

Component of a steam turbine plant, steam turbine plant, use and production method of such a component.

Title (de)

Komponente einer Dampfturbinenanlage, Dampfturbinenanlage, Verwendung und Herstellungsverfahren

Title (fr)

Elément pour une turbine à vapeur, turbine à vapeur, utilisation et procédé de production d'un tel élément

Publication

EP 1712745 A1 20061018 (DE)

Application

EP 05008207 A 20050414

Priority

EP 05008207 A 20050414

Abstract (en)

The component has a lining (7) arranged on a hot side that is facing a superheated steam chamber (1) and comprising a contour (5). The lining (7) has molded parts (27) adapted to the contour, where each part has a metallic and ceramic composite layer with a metallic layer and a ceramic layer on the hot side. The ceramic layer is used as an insulating layer, and the metallic layer is used as a support. An independent claim is also included for a method for manufacturing a component of a steam turbine plant.

IPC 8 full level

F01D 25/14 (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)

F01D 5/28 (2013.01 - EP US); **F01D 25/145** (2013.01 - EP US); F05D 2220/31 (2013.01 - EP US); F05D 2230/23 (2013.01 - EP US); F05D 2260/231 (2013.01 - EP US); Y10T 29/49245 (2015.01 - EP US)

Citation (search report)

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- [A] US 6322322 B1 20011127 - RHODES JEFFREY F [US], et al
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1712745 A1 20061018; CN 101155973 A 20080402; CN 101155973 B 20100519; EP 1869292 A1 20071226; EP 1869292 B1 20130102; JP 2008536050 A 20080904; PL 1869292 T3 20130531; US 2009041578 A1 20090212; US 8137063 B2 20120320; WO 2006108746 A1 20061019

DOCDB simple family (application)

EP 05008207 A 20050414; CN 200680011670 A 20060313; EP 06708745 A 20060313; EP 2006060664 W 20060313; JP 2008505854 A 20060313; PL 06708745 T 20060313; US 91830406 A 20060313