

Title (en)

TRANSITION DUCT FOR A GAS TURBINE ASSEMBLY AND GAS TURBINE ASSEMBLY COMPRISING THIS TRANSITION DUCT

Title (de)

ÜBERGANGSKANAL FÜR EINE GASTURBINENANORDNUNG UND GASTURBINENANORDNUNG MIT DIESEM ÜBERGANGSKANAL

Title (fr)

CONDUIT DE TRANSITION POUR UN ENSEMBLE DE TURBINE À GAZ ET ENSEMBLE DE TURBINE À GAZ COMPORTANT CE CONDUIT DE TRANSITION

Publication

**EP 3726008 A1 20201021 (EN)**

Application

**EP 19170045 A 20190418**

Priority

EP 19170045 A 20190418

Abstract (en)

A transition duct for a gas turbine assembly and configured for guiding hot gas from a combustion chamber to a turbine, the transition duct comprising: a tubular wall structure provided with an inner surface in contact with an hot gas and an outer surface in contact with a cooling air; a connecting structure extending between the inner surface and the outer surface and configured for defining a plurality of cooling channels extending through the tubular wall structure; wherein the connecting structure is a flexible connection structure configured for allowing a circumferential movement of the outer surface whit respect to the inner surface.

IPC 8 full level

**F01D 9/02** (2006.01); **F01D 25/12** (2006.01); **F23R 3/00** (2006.01)

CPC (source: CN EP)

**F01D 9/023** (2013.01 - EP); **F01D 25/12** (2013.01 - EP); **F23R 3/005** (2013.01 - EP); **F23R 3/46** (2013.01 - EP); **F23R 3/60** (2013.01 - CN); **F05D 2230/31** (2013.01 - EP); **F05D 2260/20** (2013.01 - EP); **F05D 2260/941** (2013.01 - EP); **F23R 2900/00017** (2013.01 - CN); **F23R 2900/00018** (2013.01 - EP); **F23R 2900/03043** (2013.01 - EP)

Citation (search report)

- [XA] EP 2206886 A2 20100714 - GEN ELECTRIC [US]
- [A] US 2006185345 A1 20060824 - WILSON JODY W [US], et al

Cited by

CN112984560A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3726008 A1 20201021**; **EP 3726008 B1 20220518**; CN 111829013 A 20201027; CN 111829013 B 20230926

DOCDB simple family (application)

**EP 19170045 A 20190418**; CN 202010304341 A 20200417