

Title (en)

GAS TURBINE HAVING AN ANNULAR COMBUSTION CHAMBER AND ASSEMBLY METHOD

Title (de)

GASTURBINE MIT RINGFÖRMIGER BRENNKAMMER SOWIE VERFAHREN ZUM MONTIEREN

Title (fr)

TURBINE À GAZ À CHAMBRE DE COMBUSTION ANNULAIRE ET PROCÉDÉ D'ASSEMBLAGE

Publication

EP 2242955 B1 20181017 (DE)

Application

EP 09712985 A 20090212

Priority

- EP 2009051644 W 20090212
- CH 2452008 A 20080220

Abstract (en)

[origin: WO2009103658A1] The invention relates to a thermal engine, especially a gas turbine, which comprises an annular combustion chamber that is outwardly limited by an outer shell and an inner shell, the outer shell and the inner shell being subdivided into an upper half (23a) and a lower half (23b) in a parting plane (29), said halves being welded to each other in the parting plane (29). An additional mechanical form-locking connection (30) is provided on the parting planes (29) to receive any tensile and shearing forces acting upon the parting planes (29), thereby increasing the mechanical stability and the service life of the combustion chamber.

IPC 8 full level

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

CPC (source: EP US)

F01D 9/023 (2013.01 - EP US); **F23R 3/002** (2013.01 - EP US); **F23R 3/50** (2013.01 - EP US); **F05D 2230/232** (2013.01 - EP US); **F05D 2260/36** (2013.01 - EP US); **F05D 2260/94** (2013.01 - EP US); **F05D 2260/941** (2013.01 - EP US); **F23R 2900/00017** (2013.01 - EP US); **Y10T 29/49229** (2015.01 - EP US)

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 TR

DOCDB simple family (publication)

WO 2009103658 A1 20090827; AU 2009216857 A1 20090827; AU 2009216857 B2 20140116; EP 2242955 A1 20101027; EP 2242955 B1 20181017; MY 158901 A 20161130; US 2011113785 A1 20110519

DOCDB simple family (application)

EP 2009051644 W 20090212; AU 2009216857 A 20090212; EP 09712985 A 20090212; MY PI2010003905 A 20090212; US 85278810 A 20100809