

Title (en)

AN IMPROVED HOLE ARRANGEMENT OF LINERS OF A COMBUSTION CHAMBER OF A GAS TURBINE ENGINE WITH LOW COMBUSTION DYNAMICS AND EMISSIONS

Title (de)

VERBESSERTE LOCHANORDNUNG VON AUSKLEIDUNGEN EINER BRENNKAMMER EINES GASTURBINENMOTORS MIT NIEDRIGER VERBRENNUNGSDYNAMIK UND NIEDRIGEN EMISSIONEN

Title (fr)

AGENCEMENT DE TROUS AMÉLIORÉ DE REVÊTEMENTS D'UNE CHAMBRE DE COMBUSTION D'UN MOTEUR À TURBINE GAZ AVEC FAIBLE DYNAMIQUE DE COMBUSTION ET FAIBLES ÉMISSIONS

Publication

EP 2831506 A1 20150204 (EN)

Application

EP 12798272 A 20121205

Priority

- EP 12161509 A 20120327
- EP 2012074459 W 20121205
- EP 12798272 A 20121205

Abstract (en)

[origin: EP2644995A1] The present invention relates to a housing for a combustion chamber (100) for a gas turbine. The housing comprises a wall element (101) which comprises a first hole arrangement (I) and a second hole arrangement (II). The first hole arrangement (I) comprises first holes (110) through which first holes (110) fluid is streamable, wherein the first holes (110) are arranged in a first areal density. The second hole arrangement (II) comprises second holes (120) through which second holes (120) fluid is streamable, wherein the second holes (120) are arranged in a second areal density. The first areal density differs from the second areal density.

IPC 8 full level

F23R 3/06 (2006.01); **F23R 3/44** (2006.01)

CPC (source: EP US)

F23R 3/002 (2013.01 - US); **F23R 3/04** (2013.01 - US); **F23R 3/06** (2013.01 - EP US); **F23R 3/42** (2013.01 - US); **F23R 3/44** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US); **F23R 2900/03041** (2013.01 - EP US); **F23R 2900/03044** (2013.01 - US); **Y10T 29/49229** (2015.01 - EP US)

Citation (search report)

See references of WO 2013143627A1

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 2644995 A1 20131002; CN 104204679 A 20141210; CN 104204679 B 20160420; EP 2831506 A1 20150204; EP 2831506 B1 20160406; JP 2015511696 A 20150420; JP 6005836 B2 20161012; RU 2582378 C1 20160427; US 2015101335 A1 20150416; WO 2013143627 A1 20131003

DOCDB simple family (application)

EP 12161509 A 20120327; CN 201280071988 A 20121205; EP 12798272 A 20121205; EP 2012074459 W 20121205; JP 2015502114 A 20121205; RU 2014142880 A 20121205; US 201214385733 A 20121205