

Title (en)

SIDE COATED HEAT SHIELD ELEMENT WITH IMPACTED COOLING ON OPEN SECTION

Title (de)

SEITENBESCHICHTETES HITZESCHILDELEMENT MIT PRALLKÜHLUNG AN FREIFLÄCHEN

Title (fr)

ÉLÉMENT DE BOUCLIER THERMIQUE RÉVÊTU LATÉRALEMENT AVEC REFROIDISSEMENT PAR IMPACT AUX SURFACES NON-COUVERTS

Publication

EP 3132201 B1 20180103 (DE)

Application

EP 15750951 A 20150729

Priority

- DE 102014214981 A 20140730
- EP 2015067330 W 20150729

Abstract (en)

[origin: WO2016016280A1] The invention relates to a heat shield element (1) and a heat shield arrangement (11) for lining a combustion chamber wall, wherein the heat shield element (1) has a hot side (2) which can be contacted by a hot medium and a cold side (3) lying opposite the hot side (2) and a circumferential edge (4) adjoining the hot side (2) and the cold side (3). The edge (4) extends past the plane of the cold side (3) and has, at least in sections, a plurality of cool air openings (8a, 8c), wherein the cool air openings (8a) of an edge section (7a) of a heat shield element (1) are arranged offset to the cool air openings (8c) in the edge section (7c) of the adjacent heat shield element (1). The invention further relates to a method for producing a heat shield element (1).

IPC 8 full level

F23R 3/00 (2006.01); **F23R 3/60** (2006.01)

CPC (source: CN EP)

F23R 3/005 (2013.01 - CN EP); **F23R 3/007** (2013.01 - CN EP); **F23R 3/60** (2013.01 - CN EP); **F23R 2900/00012** (2013.01 - CN EP); **F23R 2900/03042** (2013.01 - CN EP); **F23R 2900/03043** (2013.01 - CN EP)

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

DOCDB simple family (publication)

DE 102014214981 B3 20151224; CN 107003001 A 20170801; EP 3132201 A1 20170222; EP 3132201 B1 20180103; WO 2016016280 A1 20160204

DOCDB simple family (application)

DE 102014214981 A 20140730; CN 201580041531 A 20150729; EP 15750951 A 20150729; EP 2015067330 W 20150729