

Title (en)
HEAT SHIELD ELEMENT AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
HITZESCHILDELEMENT UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
ÉLÉMENT FORMANT BOUCLIER THERMIQUE ET PROCÉDÉ DE FABRICATION DE CELUI-CI

Publication
EP 3183497 A1 20170628 (DE)

Application
EP 15778966 A 20151013

Priority
• DE 102014221225 A 20141020
• EP 2015073661 W 20151013

Abstract (en)
[origin: WO2016062581A1] The invention relates to a heat shield element (1) comprising a wall (2) having a hot side (3) and an opposing cold side (4), a peripheral edge (5) having an inner side (6) and an outer side (7), and a securing device (8) arranged substantially in the middle of the cold side (4) of the wall (2), said securing device extending substantially perpendicularly away from the wall (2), wherein cooling channels (9) are arranged in the securing device (8), wall (2) and edge (5), extending over at least two of the three. The invention also relates to a combustion chamber (20) and a gas turbine plant (24). The invention further relates to a method for producing a heat shield element (1) of this type.

IPC 8 full level
F23R 3/00 (2006.01); **F23M 5/08** (2006.01); **F23R 3/60** (2006.01)

CPC (source: CN EP)
F23M 5/085 (2013.01 - CN EP); **F23R 3/002** (2013.01 - CN EP); **F23R 3/005** (2013.01 - CN EP); **F23R 3/60** (2013.01 - CN EP); **F23M 2900/05004** (2013.01 - CN EP); **F23R 2900/03043** (2013.01 - CN EP)

Citation (search report)
See references of WO 2016062581A1

Cited by
EP4372281A1; EP3531020A1; US10663168B2; US11009230B2; US11248791B2; WO2019028241A1; US11022307B2; US11359812B2; US10830435B2; WO2024105611A1

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)
DE 102014221225 A1 20160421; CN 107076414 A 20170818; CN 107076414 B 20190614; EP 3183497 A1 20170628; EP 3183497 B1 20180718; WO 2016062581 A1 20160428

DOCDB simple family (application)
DE 102014221225 A 20141020; CN 201580056784 A 20151013; EP 15778966 A 20151013; EP 2015073661 W 20151013