Title (en)
    BYPASS HEAT SHIELD ELEMENT

Title (de)
    UMFÜHRUNGS-HITZESCHILDELEMENT

Title (fr)
    ELEMENT DE BOUCLIER THERMIQUE AVEC CONTOURNEMENT

Publication
    EP 3132202 B1 20180919 (DE)

Application
    EP 16713409 A 20160330

Priority
    • DE 102015205975 A 20150402
    • EP 2016056881 W 20160330

Abstract (en)
    [origin: WO2016156370A1] The invention relates to a heat shield element (1), in particular for lining a combustion chamber (2), comprising a wall (3) with a hot face (4), to which a hot medium can be supplied, and a cold face (5), which lies opposite the hot face (4), and comprising a peripheral edge (6), which adjoins the wall (3) and extends outwards beyond the plane of the cold face (5) and which comprises a free end (7) positioned at a distance from the cold face (5). A partition (8) extends from the cold face (5) of the wall (3) to the height of the free end (7) between two opposing sides (9) formed by the edge (6) such that two separate first and second chambers (10, 11) are formed on the cold face (5) of the wall (3), wherein the first chamber (10) has an opening gap (12) from the cold face (5) to the hot face (4). The invention further relates to an annular combustion chamber (2) and a gas turbine system (23).

IPC 8 full level
    F23R 3/00 (2006.01); **F23R 3/06** (2006.01); **F23R 3/50** (2006.01); **F23R 3/60** (2006.01)

CPC (source: CN EP)
    F23R 3/002 (2013.01 - CN EP); **F23R 3/005** (2013.01 - CN EP); **F23R 3/007** (2013.01 - CN EP); **F23R 3/06** (2013.01 - CN EP);
    F23R 3/50 (2013.01 - CN EP); **F23R 3/60** (2013.01 - CN EP); F23R 2900/03041 (2013.01 - CN EP); F23R 2900/03042 (2013.01 - CN EP);
    F23R 2900/03043 (2013.01 - CN EP)

Cited by
    US11719438B2

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 102015205975 A1 20161006; CN 107076418 A 20170818; EP 3132202 A1 20170222; EP 3132202 B1 20180919;
    WO 2016156370 A1 20161006

DOCDB simple family (application)
    DE 102015205975 A 20150402; CN 201680003016 A 20160330; EP 16713409 A 20160330; EP 2016056881 W 20160330