Title (en)
COMBUSTOR AND HEAT SHIELD CONFIGURATIONS FOR A GAS TURBINE ENGINE

Title (de)
BRENNKAMMER- UND HITZESCHILDKONFIGURATIONEN FÜR EINEN GASTURBINENMOTOR

Title (fr)
CHAMBRE DE COMBUSTION ET CONFIGURATIONS DE BOUCLIER THERMIQUE POUR UN MOTEUR À TURBINE À GAZ

Publication
EP 3064836 A1 20160907 (EN)

Application
EP 16159039 A 20160307

Priority
US 201514639742 A 20150305

Abstract (en)
The present disclosure relates to combustor (105; 400) and heat shield (200) configurations for gas turbine engines (100). A heat shield for a gas turbine engine can include one or more effusion holes (226; 227; 235; 245; 330; 335; 340; 420) downstream of a dilution hole (220; 230; 255; 311; 316; 405) to restore a cooling film applied to the heat shield in the combustor. Effusion holes may be clustered in one or more configurations and rows following each dilution hole and/or on a trailing edge (211; 213) of each heat shield panel structure. One or more embodiments are directed to effusion holes positioned along a trailing edge of a heat shield panel.

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

CPC (source: EP US)
F23R 3/002 (2013.01 - EP US); F23R 3/04 (2013.01 - US); F23R 3/06 (2013.01 - EP US); F23R 2900/03041 (2013.01 - EP US); F23R 2900/03042 (2013.01 - US)

Citation (search report)
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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 3064836 A1 20160907; US 2016258623 A1 20160908

DOCDB simple family (application)
EP 16159039 A 20160307; US 201514639742 A 20150305