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

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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)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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