

Title (en)

GAS TURBINE COMBUSTION PANEL GROMMET

Title (de)

GASTURBINENBRENNRAUMTÜLLE

Title (fr)

OEILLET D'UN PANNEAU DE CHAMBRE DE COMBUSTION DE TURBINE À GAZ

Publication

**EP 3385622 A1 20181010 (EN)**

Application

**EP 18165211 A 20180329**

Priority

US 201715477926 A 20170403

Abstract (en)

A gas turbine engine and a combustor panel assembly (17) are disclosed. The gas turbine engine includes a combustor panel (62) with a panel dilution hole (66) formed therethrough, a combustor liner (60) spaced apart from the combustor panel (62), wherein the combustor liner (60) includes a liner dilution hole (64) formed therethrough, wherein at least one of the combustor panel (62) and the combustor liner (60) is formed from a first material, and a grommet (70) with a first end with a first radius (72), a second end with a second radius (74), and a continuous smooth surface (76) between the first end and the second end, wherein the first radius (72) is larger than the second radius (74), the grommet (70) defining a flow path between the panel dilution hole (66) and the liner dilution hole (64), and the grommet (70) is formed from a second material.

IPC 8 full level

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CPC (source: EP US)

**F23R 3/002** (2013.01 - EP US); **F23R 3/007** (2013.01 - EP US); **F23R 3/06** (2013.01 - EP US)

Citation (search report)

- [X] US 3594109 A 19710720 - PENNY ROBERT NOEL
- [X] WO 2015030927 A1 20150305 - UNITED TECHNOLOGIES CORP [US]
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