

Title (en)

Apparatus and method for minimizing and/or eliminating dilution air leakage in a combustion liner assembly

Title (de)

Vorrichtung und Verfahren zur Minimierung und/oder Beseitigung von Verdünnungsluftleckagen in einer Brennermantelanordnung

Title (fr)

Appareil et procédé pour minimiser et/ou supprimer les fuites d'air de dilution dans un ensemble de chemise de combustion

Publication

**EP 2378201 A3 20130403 (EN)**

Application

**EP 11162106 A 20110412**

Priority

US 75904210 A 20100413

Abstract (en)

[origin: EP2378201A2] A combustion liner assembly (2) for a gas turbine includes an outer liner (4), the outer liner having a flange (14) at a forward end. An inner liner (6) is disposed within the outer liner. The inner liner has a first inner wall (12). A venturi (8) includes a second inner wall (24), a venturi throat (10), and the first inner wall of the inner liner. A slip joint (16) is connected to the second inner wall. The slip joint receives the flange of the outer liner. Alternatively, or additionally, the combustion liner assembly includes a slip joint (30) between the inner or outer liner and an aft section (20).

IPC 8 full level

**F23R 3/00** (2006.01); **F23R 3/02** (2006.01)

CPC (source: EP US)

**F23R 3/002** (2013.01 - EP US); **F23R 3/02** (2013.01 - EP US); **F23R 2900/00001** (2013.01 - EP US)

Citation (search report)

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**EP 2378201 A2 20111019**; **EP 2378201 A3 20130403**; CN 102221208 A 20111019; US 2011247340 A1 20111013; WO 2011130001 A2 20111020; WO 2011130001 A3 20130510

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**EP 11162106 A 20110412**; CN 201110102171 A 20110413; US 2011030449 W 20110330; US 75904210 A 20100413