

Title (en)

Combustor and method for supplying fuel to a combustor

Title (de)

Brennkammer und Verfahren zur Versorgung einer Brennkammer mit Brennstoff

Title (fr)

Chambre de combustion et procédé pour fournir du carburant à une chambre de combustion

Publication

EP 2592345 A1 20130515 (EN)

Application

EP 12191369 A 20121106

Priority

US 201113291441 A 20111108

Abstract (en)

A combustor includes an end cover (16), an end cap (18) downstream from the end cover (16), and tubes (30) that extend through the end cap (18). An outer support tube (42) extends downstream from the end cover (16) and connects to an upstream surface (26) of the end cap (18). An inner support tube (40) extends downstream from the end cover (16) and connects to a downstream surface (28) of the end cap (18). A first plenum (50) surrounds the inner support tube (40) between the end cover (16) and the upstream surface (26) and extends radially between the upstream and downstream surfaces (26,28). A second plenum surrounds the first plenum (50) between the end cover (16) and the upstream surface (28) and extends radially between the upstream and downstream surfaces (16,28).

IPC 8 full level

F23R 3/28 (2006.01)

CPC (source: EP US)

F23R 3/286 (2013.01 - EP US); **F23R 2900/00002** (2013.01 - EP US)

Citation (search report)

- [X] GB 2197714 A 19880525 - FREIBERG BRENNSTOFFINST, et al
- [A] US 2010031662 A1 20100211 - ZUO BAIFANG [US]
- [A] EP 2236931 A2 20101006 - GEN ELECTRIC [US]
- [A] US 4100733 A 19780718 - STRIEBEL EDMUND EMIL, et al

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 2592345 A1 20130515; **EP 2592345 B1 20170308**; CN 103090415 A 20130508; CN 103090415 B 20160921; US 2013115561 A1 20130509

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