

Title (en)

Turbomachine combustor assembly including a liner stop

Title (de)

Brennkammergehäuseanordnung einer Turbomaschine mit einem Einlagenstopp

Title (fr)

Ensemble de chambre de combustion de turbomachine comportant une butée de chemise

Publication

EP 2530385 A2 20121205 (EN)

Application

EP 12169883 A 20120529

Priority

US 201113150319 A 20110601

Abstract (en)

A turbomachine combustor assembly includes a combustor housing and a combustor body. The combustor body defines a combustor liner (34) having a first end portion (37) that extends to a second end portion through a combustion chamber (40). A cap assembly is mounted at the combustor housing. The cap assembly includes an endcover, a plurality of fuel nozzles (56) supported by the end cover, and an outer barrel member (66). The outer barrel member (66) extends about the plurality of fuel nozzles (56). A liner stop (80) is arranged on one of the outer barrel member (66) and the first end portion (37) of the combustor liner (34). The liner stop (80) includes a stepped lip portion (83) that receives the other of the outer barrel member (66) and the first end portion (37) of the combustor liner (34) to form substantially smooth liner to outer barrel interface. The liner stop (80) restricts axial movement of the combustor liner (34) relative to the outer barrel member (66).

IPC 8 full level

F23R 3/60 (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP US)

F23R 3/002 (2013.01 - EP US); **F23R 3/60** (2013.01 - EP US); **F23R 2900/00012** (2013.01 - EP US); **Y10T 29/49346** (2015.01 - EP US)

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 2530385 A2 20121205; CN 102809174 A 20121205; US 2012304655 A1 20121206

DOCDB simple family (application)

EP 12169883 A 20120529; CN 201210191721 A 20120601; US 201113150319 A 20110601