

Title (en)
A Combustor

Title (de)
Brennkammer

Title (fr)
Chambre de combustion

Publication
EP 2657608 A3 20131211 (EN)

Application
EP 13156623 A 20130225

Priority
US 201213457754 A 20120427

Abstract (en)
[origin: EP2657608A2] A combustor includes an end cap (52) that extends radially across at least a portion of the combustor, wherein the end cap (52) comprises an upstream surface (64) axially separated from a downstream surface (66). A shroud (68) circumferentially surrounds at least a portion of the end cap (52), wherein the shroud (68) at least partially defines a fuel plenum (70) between the upstream surface (64) and the downstream surface (66). A combustion chamber (38) downstream from the end cap (52) defines a longitudinal axis. A plurality of tubes (50) extend from the upstream surface (64) through the downstream surface (66) of the end cap (52) to provide fluid communication through the end cap (52) to the combustion chamber (38). A transition duct (40) circumferentially surrounds at least a portion of the combustion chamber (38) downstream from the end cap (52) and curves tangentially from the longitudinal axis.

IPC 8 full level
F23R 3/28 (2006.01); **F23R 3/42** (2006.01); **F23R 3/46** (2006.01)

CPC (source: EP US)
F23R 3/286 (2013.01 - EP US); **F23R 3/425** (2013.01 - EP US); **F23R 3/46** (2013.01 - EP US)

Citation (search report)

- [XY] US 2010115953 A1 20100513 - DAVIS JR LEWIS BERKLEY [US], et al
- [Y] EP 2213944 A2 20100804 - GEN ELECTRIC [US]
- [Y] US 2010300102 A1 20101202 - BATHINA MAHESH [IN], et al

Cited by
EP3026346A1; EP3425279A1; EP3477203A1; US10845055B2; US11015530B2

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 2657608 A2 20131030; EP 2657608 A3 20131211; EP 2657608 B1 20151216; CN 103375811 A 20131030; JP 2013231575 A 20131114; RU 2013108310 A 20140910; US 2013283802 A1 20131031

DOCDB simple family (application)
EP 13156623 A 20130225; CN 201310061403 A 20130227; JP 2013030522 A 20130220; RU 2013108310 A 20130226; US 201213457754 A 20120427