Title (en)

System and method for operating a combustor

Title (de)

System und Verfahren zum Betrieb einer Brennkammer

Title (fr)

Système et procédé de fonctionnement d'une chambre de combustion

Publication

EP 2487420 A3 20131225 (EN)

Application

EP 12154984 A 20120210

Priority

US 201113025440 A 20110211

Abstract (en)

[origin: EP2487420A2] A system (60) for operating a combustor (10) includes a nozzle (14) and a fuel passage (30, 32) and diluent passage (42) through the nozzle (14). A fuel supply (62, 64) is in fluid communication with the fuel inlet (34, 38) and the diluent inlet (46), and a diluent supply (66) is in fluid communication with the diluent inlet (46). A method for operating a combustor (10) includes flowing a fuel through a fuel inlet (34, 38) in a nozzle (14) and flowing a diluent through a diluent inlet (46) in the nozzle (14). The method further includes sensing an operating parameter of the combustor (10), generating a signal reflective of the operating parameter, and controlling a flow of the fuel to the diluent inlet (46) based on the signal reflective of the operating parameter.

IPC 8 full level

F23R 3/36 (2006.01)

CPC (source: EP US)

F23R 3/36 (2013.01 - EP US); F23L 2900/07002 (2013.01 - EP US); F23L 2900/07003 (2013.01 - EP US); F23L 2900/07008 (2013.01 - EP US); F23L 2900/07009 (2013.01 - EP US)

Citation (search report)

- [X] US 6209310 B1 20010403 - KUEENZI THOMAS [CH], et al
- [X] US 7104784 B1 20060912 - HASEGAWA TOSHIAKI [JP], et al
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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 2487420 A2 20120815; **EP 2487420 A3 20131225**; CN 102635860 A 20120815; US 2012208137 A1 20120816

DOCDB simple family (application)

EP 12154984 A 20120210; CN 201210038424 A 20120213; US 201113025440 A 20110211