

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 2487416 A2 20120815 (EN)**

Application

**EP 12154925 A 20120210**

Priority

US 201113025407 A 20110211

Abstract (en)

A system for operating a combustor includes a nozzle and a fuel passage and diluent passage through the nozzle. A fuel supply is in fluid communication with the fuel inlet, and a diluent supply is in fluid communication with the diluent inlet and the fuel inlet. A method for operating a combustor includes flowing a fuel through a fuel inlet in a nozzle and flowing a diluent through a diluent inlet in the nozzle. The method further includes sensing an operating parameter of the combustor, generating a signal reflective of the operating parameter, and controlling a flow of at least one of air or diluent to the fuel inlet based on the signal reflective of the operating parameter.

IPC 8 full level

**F23N 5/00** (2006.01); **F23C 9/00** (2006.01); **F23L 7/00** (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)

**F23C 9/00** (2013.01 - EP US); **F23L 7/00** (2013.01 - EP US); **F23N 5/00** (2013.01 - EP US); **F23R 3/28** (2013.01 - EP US); **F23N 5/003** (2013.01 - EP US); **F23N 2221/10** (2020.01 - 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 2487416 A2 20120815**; CN 102635861 A 20120815; US 2012208135 A1 20120816

DOCDB simple family (application)

**EP 12154925 A 20120210**; CN 201210041894 A 20120213; US 201113025407 A 20110211