

Title (en)
SYSTEM AND APPROACH FOR CONTROLLING A COMBUSTION CHAMBER

Title (de)
SYSTEM UND VERFAHREN ZUR STEUERUNG EINER BRENNKAMMER

Title (fr)
SYSTÈME ET APPROCHE POUR COMMANDER UNE CHAMBRE DE COMBUSTION

Publication
EP 3404326 A1 20181121 (EN)

Application
EP 18172611 A 20180516

Priority
US 201715600403 A 20170519

Abstract (en)
A system for controlling activity in a combustion chamber. The system does not necessarily need to be mechanically adjusted and yet may provide precise control of a fuel air mixture ratio. A sensing module of the system may have a mass flow sensor that relates to air flow and another sensor that relates to fuel flow. Neither sensor may need contact with fuel. Fuel and air to the system may be controlled. Pressure of the fuel and/or air may be regulated. The sensors (225,226,227) may provide signals to a processor (252) to indicate a state of the fuel and air in the system. The processor, with reliance on a programmed curve, table or the like, often based on data, in a storage memory, may regulate the flow or pressure of the fuel and air in a parallel fashion to provide an appropriate fuel-air mixture to the combustion chamber.

IPC 8 full level
F23N 1/02 (2006.01); **F23N 5/18** (2006.01)

CPC (source: CN EP)
F23N 1/022 (2013.01 - CN); **F23N 1/025** (2013.01 - EP); **F23N 5/18** (2013.01 - EP); **F23R 3/02** (2013.01 - CN); **F23R 3/28** (2013.01 - CN); **F23N 2225/06** (2020.01 - EP); **F23N 2227/16** (2020.01 - EP); **F23N 2900/05181** (2013.01 - EP)

Citation (search report)
• [XY] EP 3139088 A2 20170308 - HONEYWELL INT INC [US]
• [Y] WO 2013117516 A1 20130815 - SIT LA PRECISA SPA CON SOCIO UNICO [IT]
• [A] US 6533574 B1 20030318 - PECHOUX CHRISTOPHE [FR]

Cited by
EP4177521A3

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 3404326 A1 20181121; **EP 3404326 B1 20200722**; CN 108954373 A 20181207; CN 108954373 B 20201027

DOCDB simple family (application)
EP 18172611 A 20180516; CN 201810487952 A 20180521