

Title (en)

Assembly and method for monitoring a combustion device

Title (de)

Anordnung und Verfahren zur Überwachung einer Feuerungsanlage

Title (fr)

Agencement et procédé de surveillance d'une installation de combustion

Publication

EP 2163821 A3 20141015 (DE)

Application

EP 09168825 A 20090827

Priority

DE 102008047037 A 20080913

Abstract (en)

[origin: EP2163821A2] The arrangement has burner lighted with solid, liquid or gaseous fuels. A controller and a sensor detect oxygen content in exhaust gas and exhaust mass flow of heating devices, where the sensor has an individual heating unit for both functions. Each heating device is switched to normal operating condition when increase of the exhaust mass flow is detected by the control unit in standby operating condition, where the normal operating condition enables the detection of the oxygen content in the exhaust gas. An independent claim is also included for a method for monitoring a firing system i.e. heater.

IPC 8 full level

F23N 5/00 (2006.01); **F23N 5/18** (2006.01); **F24C 7/08** (2006.01)

CPC (source: EP)

F23N 5/006 (2013.01); **F23N 5/184** (2013.01); **F24C 7/082** (2013.01); **F23N 2005/181** (2013.01); **F23N 2227/20** (2020.01); **F23N 2237/10** (2020.01)

Citation (search report)

- [X] US 6387706 B1 20020514 - EDEN GIDEON [US]
- [YD] DE 102008006580 A1 20080828 - GM GLOBAL TECH OPERATIONS INC [US]
- [Y] US 2004086023 A1 20040506 - SMITH JAMES CRAIG [US], et al

Cited by

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Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102008047037 B3 20091126; EP 2163821 A2 20100317; EP 2163821 A3 20141015

DOCDB simple family (application)

DE 102008047037 A 20080913; EP 09168825 A 20090827