

Title (en)

Combustion assembly and method for regulating same

Title (de)

Verbrennungsanlage und Verfahren zum Regeln einer Verbrennungsanlage

Title (fr)

Installation de combustion et procédé de réglage d'une installation de combustion

Publication

EP 2128523 A3 20140924 (DE)

Application

EP 09006176 A 20090506

Priority

RU 2008121732 A 20080529

Abstract (en)

[origin: EP2128523A2] The combustor i.e. firing system (1), has a firing equipment i.e. firing grate (7), a recirculation mechanism i.e. driven conveyor (28), for recirculating wastes and ashes into a grate opening of the firing equipment. A measurement mechanism i.e. thermographic camera (31), measures a parameter of combustion. An influencing mechanism i.e. proportional-integral-derivative (PID) regulator, influences the combustion by influencing quantity of the recirculated wastes and ashes. The firing equipment comprises a feed hopper (2) with a feeding chute (3) for feeding fuel (4) to a feeding table (5). An independent claim is also included for a method for regulating a combustor.

IPC 8 full level

F23N 5/08 (2006.01); **F23B 30/00** (2006.01); **F23B 70/00** (2006.01); **F23G 5/50** (2006.01); **F23N 1/02** (2006.01)

CPC (source: EP US)

F23B 5/025 (2013.01 - US); **F23B 70/00** (2013.01 - US); **F23G 5/50** (2013.01 - EP US); **F23N 1/022** (2013.01 - EP US); **F23N 5/082** (2013.01 - EP US); **F23G 2202/106** (2013.01 - EP US); **F23G 2205/10** (2013.01 - EP US); **F23G 2207/20** (2013.01 - EP US); **F23G 2900/00001** (2013.01 - EP US); **F23G 2900/55006** (2013.01 - EP US); **F23G 2900/55009** (2013.01 - EP US); **F23N 2221/12** (2020.01 - EP US); **F23N 2223/36** (2020.01 - EP US); **F23N 2223/54** (2020.01 - EP US); **F23N 2241/18** (2020.01 - EP US)

Citation (search report)

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- [X] US 6199492 B1 20010313 - KUENSTLER JOHANN HANS [CH]
- [X] EP 1348906 A1 20031001 - MARTIN UMWELT & ENERGIETECH [DE], et al
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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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2128523 A2 20091202; **EP 2128523 A3 20140924**; **EP 2128523 B1 20151028**; CA 2666782 A1 20091129; CA 2666782 C 20150414; DK 2128523 T3 20160208; ES 2558429 T3 20160204; JP 2009287917 A 20091210; JP 5776133 B2 20150909; PL 2128523 T3 20160429; PT 2128523 E 20160226; RU 2008121732 A 20091210; RU 2415339 C2 20110327; US 2009293787 A1 20091203; US 8939094 B2 20150127

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