

Title (en)

Method and Control Loop for Controlling a Combustion Process

Title (de)

Verfahren und Regelkreis zur Regelung eines Verbrennungsprozesses

Title (fr)

Procédé et boucle de régulation pour réguler un procédé de combustion

Publication

**EP 1850069 B1 20080813 (DE)**

Application

**EP 06008487 A 20060425**

Priority

EP 06008487 A 20060425

Abstract (en)

[origin: EP1850069A1] A method includes operating in a setpoint control mode and occasionally changing over to operate in disturbance control mode. Each operation mode includes selecting actions to control adjustment devices (9) that supply air and material to the combustion by evaluation of state variables. The setpoint control mode is operated to achieve an optimal setpoint for the state variables, stability of the combustion, or any combination. The disturbance control mode is operated to approach a state in which the state variables deviates in a targeted manner within predetermined limits from the setpoint. Independent claims are included for the following: (1) control loop for regulating combustion in an installation; (2) computer readable medium having computer executable instructions.

IPC 8 full level

**F23N 5/08** (2006.01)

CPC (source: EP KR US)

**F23N 5/00** (2013.01 - KR); **F23N 5/08** (2013.01 - KR); **F23N 5/082** (2013.01 - EP US); **F23N 2229/20** (2020.01 - EP US); **F23N 2241/18** (2020.01 - EP US)

Cited by

DE102009030322A1; WO2010149687A2; US9360209B2; WO2020104255A1; IT201800010468A1; US12031717B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1850069 A1 20071031**; **EP 1850069 B1 20080813**; AT E404823 T1 20080815; DE 502006001331 D1 20080925; ES 2313488 T3 20090301; KR 101390917 B1 20140430; KR 20070105244 A 20071030; PL 1850069 T3 20090130; US 2007250216 A1 20071025; US 7637735 B2 20091229

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