

Title (en)

Method and device for regulating the running time of a burner

Title (de)

Verfahren und Vorrichtung zum Regeln der Laufzeit eines Brenners

Title (fr)

Procédé et dispositif de réglage de la durée de fonctionnement d'un brûleur

Publication

EP 2218967 A3 20140514 (DE)

Application

EP 10153430 A 20100212

Priority

DE 102009008649 A 20090212

Abstract (en)

[origin: EP2218967A2] The method involves setting a boiler temperature-desired value (T-SOLL), supplying a heat to a boiler by a burner. A current boiler temperature actual value (T-IST) is continuously or repeatedly determined. A switch-off integral is determined by an integral formation depending on control deviation difference over a time period when the boiler temperature actual value is larger than the boiler temperature-desired values. The burner is switched-off at a time period when a threshold value is equal to a value of the switch-off integral for stopping the supply of heat by the burner. An independent claim is also included for a device for regulating a running time of a burner comprising a boiler temperature-desired value setting unit.

IPC 8 full level

F23N 1/00 (2006.01); **F24H 9/20** (2006.01)

CPC (source: EP US)

F23N 1/002 (2013.01 - EP); **F24H 9/2035** (2013.01 - EP US); **F24H 15/176** (2022.01 - EP US); **F24H 15/36** (2022.01 - EP US)

Citation (search report)

- [X] DE 3426937 C1 19860109 - DANFOSS AS
- [X] DE 19649157 A1 19980528 - BOSCH GMBH ROBERT [DE]
- [X] DE 3330990 A1 19840315 - BRENNER LOTHAR

Cited by

DE102019005722A1; EP3779286A1

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2218967 A2 20100818; EP 2218967 A3 20140514; EP 2218967 B1 20151125; DE 102009008649 A1 20100826;
DE 102009008649 B4 20130328; DK 2218967 T3 20160229; PL 2218967 T3 20160729

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