

Title (en)

METHOD FOR GENERATE A SWITCH-OFF SIGNAL OF A GAS-HEATED APPARATUS

Publication

**EP 0175890 B1 19920916 (DE)**

Application

**EP 85109761 A 19850802**

Priority

DE 8424440 U 19840815

Abstract (en)

[origin: EP0175890A1] Method for determining a switch-off criterion of a gas-heated apparatus with atmospheric burner and draught diverter, two temperature sensors being used, which are assigned to the waste gas removal device and to the room opening of the draught diverter and the signals from which act on an actuator of the burner via an evaluating circuit. The ruling criterion for switch-off is a temperature difference which is established depending upon the structural characteristics of the apparatus to be monitored and which is varied according to the parameters of apparatus load and apparatus working temperature. After a circuit for implementation of the method, the two temperature sensors are connected to a summing unit via an adaptor, an inverter being provided in the branch of one of the two sensors and the output of the summing unit forming the input of a comparator, the other input of which is acted upon by a reference voltage, and the output of the comparator being connected to an actuator of the heat source via a timing element. <IMAGE>

IPC 1-7

**F23N 1/00**; **F23N 1/08**; **F23N 5/24**; **F24H 9/20**

IPC 8 full level

**F23N 1/00** (2006.01); **F23N 1/08** (2006.01); **F23N 5/24** (2006.01); **F24H 9/20** (2006.01)

CPC (source: EP)

**F23N 1/002** (2013.01); **F23N 1/082** (2013.01); **F23N 5/242** (2013.01); **F23N 2225/10** (2020.01)

Citation (examination)

DE 3020228 A1 19811203 - VAILLANT JOH GMBH & CO [DE]

Cited by

CN106838927A; CN107062267A; CN106813248A; CN106765163A; EP1845318A2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0175890 A1 19860402**; **EP 0175890 B1 19920916**; AT E80717 T1 19921015; DE 3586643 D1 19921022

DOCDB simple family (application)

**EP 85109761 A 19850802**; AT 85109761 T 19850802; DE 3586643 T 19850802