

Title (en)

Process to command a safety relay in an automatic burner

Title (de)

Verfahren zur Ansteuerung eines Sicherheitsrelais in einem Feuerungsautomaten

Title (fr)

Procédé de commande d'un relais de sécurité pour un brûleur automatique

Publication

EP 1477739 A3 20071121 (DE)

Application

EP 04010634 A 20040505

Priority

DE 10321764 A 20030515

Abstract (en)

[origin: EP1477739A2] Two linked microprocessors (M1,M2) supply respective dynamic signals to a drive circuit (A1,A2) with two parallel branches. The functionality of each branch is tested individually. An acknowledgement of the switching state of the safety relay (S) is provided via an opto-coupler (O). In the event of a fault in one branch, a malfunction occurs and the automatic furnace is locked. An independent claim is included for an apparatus for carrying out the method.

IPC 8 full level

F23N 5/24 (2006.01)

CPC (source: EP)

F23N 5/242 (2013.01); **F23N 2223/20** (2020.01); **F23N 2223/30** (2020.01)

Citation (search report)

- [XY] DE 3923773 A1 19900301 - VAILLANT JOH GMBH & CO [DE]
- [A] DE 4342903 A1 19950622 - BOSCH GMBH ROBERT [DE]
- [A] DE 4337661 A1 19950706 - BUDERUS HEIZTECHNIK GMBH [DE]
- [Y] DE 19856954 C1 20000511 - BOSCH GMBH ROBERT [DE]
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- [A] CH 669656 A5 19890331 - VAILLANT GMBH

Cited by

EP2295863B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1477739 A2 20041117; EP 1477739 A3 20071121; DE 10321764 A1 20041209; DE 10321764 B4 20050428

DOCDB simple family (application)

EP 04010634 A 20040505; DE 10321764 A 20030515