

Title (en)

Fail-safe apparatus for a gas burner of the controllable mechanical ventilation type.

Title (de)

Gasbrennersicherheitsvorrichtung vom mechanisch kontrollierbaren Belüftungstyp.

Title (fr)

Dispositif de sécurité pour chaudière à gaz du type à ventilation mécanique contrôlée.

Publication

EP 0240390 A1 19871007 (FR)

Application

EP 87400485 A 19870305

Priority

FR 8604533 A 19860328

Abstract (en)

1. Fail save apparatus for a gas burner of the controllable mechanical ventilation type comprising an electrovalve (6) for inlet of gas into a burner (5), which is connected to a disconnecting box (8), and comprising a reverse valve (14) for distributing primary hot water issued from a heating body in direction of a heating circuit or of a short circuit for preparing sanitary water, and comprising an aquastat (21) of which the probe (22) is fixed on the backward pipe to the boiler, and also comprising a thermal contactor (24) disposed at the level of the damper (23) of the boiler and reacting to an irregular rising in temperature in view of safety and stopping of the boiler, characterized in that the thermal contactor (24) is integral with a little heater element (25) which is activated when the boiler is receiving an information of working with at light power, said heater element being mounted in a circuit (29) which is closed in answer to informations given by the aquastat (21) of which the probe (22) is fixed on the backward circuit to the boiler.

Abstract (fr)

L'invention concerne un dispositif de sécurité réagissant à une élévation anormale de température au niveau du coupe-tirage d'un appareil à gaz. Un contacteur thermique 24 placé au niveau du coupe-tirage 23 est préchauffé par une résistance chauffante 25 qui est mise en fonctionnement quand l'information donnée par l'aquastat correspond à une faible puissance de fonctionnement pour la chaudière. Application aux chaudières à gaz du type à ventilation mécanique contrôlée.

IPC 1-7

F23N 5/24

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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