

Title (en)

Dynamic auto-controlling circuit for flame detection.

Title (de)

Dynamische Eigenüberwachungsschaltung für Flammenwächter.

Title (fr)

Circuit dynamique autosurveillant pour détecteur de flamme.

Publication

**EP 0334027 B1 19940427**

Application

**EP 89102940 A 19890220**

Priority

- DD 31402488 A 19880325
- DD 31402588 A 19880325

Abstract (en)

[origin: EP0334027A1] In this dynamic auto-controlling circuit for flame detection, two flame sensors (41, 42) which receive the flame jet are provided, and it serves in particular for selective flame control in multi-burner installations. In order to make possible uninterrupted transmission and evaluation of flame signals, avoiding separate control of the system clock and of the flame sensors, in which connection the electric flame signals emitted by the two flame sensors are to be transmitted and evaluated separately, two transmission channels (2, 3) are present, which in each case contain the flame sensor (41, 42), the weighting circuit (10, 20) for the flame signal and the flame relay (11, 21) and are ANDed at the output (A), the two flame sensors (41, 42) having sequence-controllable means (31, 32) for alternate covering of the elements receiving the jet, switches (13, 23) being arranged in series with the flame relay (11, 21), which switches are controllable by drive circuits (110, 210) which are in each case connected via diodes (17, 27) to the outputs of both weighting circuits (10, 20) and evaluate the switching state of the latter, and a starting circuit being provided. <IMAGE>

IPC 1-7

**F23N 5/08**

IPC 8 full level

**F23N 5/08** (2006.01)

CPC (source: EP)

**F23N 5/082** (2013.01); **F23N 2229/06** (2020.01); **F23N 2229/16** (2020.01)

Cited by

EP2520862A1; EP0612961A3; DE19841475C1; DE102007018122B4; US9170020B2; EP0985881A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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