

Title (en)

Air flow monitor device for burners.

Title (de)

Luftstromüberwachungseinrichtung für Brenneranlagen.

Title (fr)

Dispositif de sécurité de courant d'air pour des brûleurs.

Publication

EP 0480312 B1 19940727

Application

EP 91116898 A 19911004

Priority

EP 90119383 A 19901010

Abstract (en)

[origin: EP0480312A1] An intrinsically safe airflow monitoring device for burners contains a flow switch (sp), which can be connected via a two-wire line, and whose open position is checked before switching on the fan (F). To this end, the series circuit of the flow switch (sp) and the fan (F) is in parallel with the energising winding of a relay (RL), which is connected to the mains voltage (N) via a high-resistance resistor (R1). If the flow switch (SP) should be closed before the fan (F) is switched on, the relay (RL1) cannot respond because the flow switch and the fan form a low-resistance link over it. <IMAGE>

IPC 1-7

F23N 5/24; **F23N 5/18**

IPC 8 full level

F23N 5/18 (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)

F23N 5/184 (2013.01); **F23N 5/242** (2013.01); **F23N 2005/182** (2013.01); **F23N 2225/06** (2020.01); **F23N 2231/10** (2020.01); **F23N 2233/06** (2020.01)

Cited by

EP0855557A1; EP1195558A1; EP0698767A1; EP0614047B1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0480312 A1 19920415; **EP 0480312 B1 19940727**; DE 59102338 D1 19940901

DOCDB simple family (application)

EP 91116898 A 19911004; DE 59102338 T 19911004