

Title (en)  
Gas appliances and control systems

Title (de)  
Gasgeräte und Steueranlage

Title (fr)  
Appareils à gaz et dispositifs de commande

Publication  
**EP 1122498 A2 20010808 (EN)**

Application  
**EP 01300583 A 20010123**

Priority  
GB 0002263 A 20000202

Abstract (en)  
A gas boiler has a thermistor 12 located in a passage 51 opening into an inner enclosure 80 containing the burner 1, heat exchanger 4 and the inlet of an induced draught blower 5. Reduced pressure in the enclosure 80 generated by the blower 5 draws air along the passage 51 over the thermistor 12. A comparator 17 receives the output of the thermistor 12 and that of a second thermistor 13 protected from air flow. The output of the comparator 17, together with outputs from other safety sensors 26, is connected with a logic unit 30, which controls operation of the burner gas supply valve 3. If there is a blockage, blower failure or the like, air flow over the thermistor 12 drops causing a change in output of the comparator 17, which causes the logic unit 30 to shut off the gas supply valve 3. <IMAGE>

IPC 1-7  
**F23N 1/06**; **F23N 5/24**; **F23N 5/14**

IPC 8 full level  
**F23N 1/06** (2006.01); **F23N 5/14** (2006.01); **F23N 5/24** (2006.01); **F23N 5/18** (2006.01)

CPC (source: EP)  
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