

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)
F23N 1/062 (2013.01); **F23N 5/143** (2013.01); **F23N 5/242** (2013.01); **F23N 2005/181** (2013.01); **F23N 2223/08** (2020.01); **F23N 2231/10** (2020.01); **F23N 2231/26** (2020.01); **F23N 2233/02** (2020.01); **F23N 2235/14** (2020.01)

Cited by
US6766771B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1122498 A2 20010808; **EP 1122498 A3 20040121**; GB 0002263 D0 20000322; GB 0102221 D0 20010314; GB 2358915 A 20010808

DOCDB simple family (application)
EP 01300583 A 20010123; GB 0002263 A 20000202; GB 0102221 A 20010125