

Title (en)
Gas appliances and control systems

Title (de)
Gasgeräte und Steueranlage

Title (fr)
Appareils à gaz et dispositifs de commande

Publication
EP 1122498 A3 20040121 (EN)

Application
EP 01300583 A 20010123

Priority
GB 0002263 A 20000202

Abstract (en)
[origin: EP1122498A2] 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)

Citation (search report)

- [XY] EP 0087539 A1 19830907 - LEBLANC SA E L M [FR]
- [XY] DE 9210862 U1 19921015
- [X] US 4951651 A 19900828 - SHELLENBERGER TIMOTHY J [US]
- [XY] PATENT ABSTRACTS OF JAPAN vol. 0112, no. 89 (M - 625) 18 September 1987 (1987-09-18)

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EP 1122498 A2 20010808; **EP 1122498 A3 20040121**; GB 0002263 D0 20000322; GB 0102221 D0 20010314; GB 2358915 A 20010808

DOCDB simple family (application)
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