

Title (en)
Heating appliances.

Title (de)
Heizgeräte.

Title (fr)
Appareils de chauffage.

Publication
EP 0573223 A1 19931208 (EN)

Application
EP 93304163 A 19930528

Priority
GB 9211829 A 19920530

Abstract (en)
A heating appliance typically for a gas hot water boiler or a gas central heating system comprises a pilot gas valve 19 for supplying gas to a pilot gas burner (not shown), a main gas valve 20 for supplying gas to a main gas burner (not shown), an ignition device 21 for igniting the gas of the pilot gas burner, a flame detector circuit 9 for detecting the presence of a flame on the pilot gas burner, and a control circuit for controlling the operation thereof, the control circuit including a resistive/capacitive timing circuit (11,12 etc.) which operates in conjunction with a comparator 15 and a reference signal to afford a pre-ignition timing function for self-checking purposes and which operates in conjunction with the comparator 15 and a changed reference signal for affording an ignition period for igniting the pilot gas burner 19 which, if exceeded, causes a system lockout to occur which prevents gas flow to the pilot gas burner 19 and main gas burner 20. <IMAGE>

IPC 1-7
F23N 5/20

IPC 8 full level
F23N 5/20 (2006.01); **F23N 5/18** (2006.01)

CPC (source: EP)
F23N 5/203 (2013.01); **F23N 5/18** (2013.01); **F23N 2005/182** (2013.01); **F23N 2223/26** (2020.01); **F23N 2227/24** (2020.01); **F23N 2227/30** (2020.01); **F23N 2227/36** (2020.01); **F23N 2229/00** (2020.01); **F23N 2233/06** (2020.01); **F23N 2235/14** (2020.01); **F23N 2235/18** (2020.01)

Citation (search report)
• [A] GB 2078398 A 19820106 - DANFOSS AS
• [A] EP 0482857 A1 19920429 - HONEYWELL INC [US]
• [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 257 (M-256)16 November 1983 & JP-A-58 140 517 (NORITSU) 20 August 1983
• [A] PATENT ABSTRACTS OF JAPAN vol. 6, no. 74 (M-127)11 May 1982 & JP-A-57 012 219 (TOSHIBA) 22 January 1982
• [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 1 (M-183)6 January 1983 & JP-A-57 161 421 (MATSUSHITA DENKI SANGYO) 5 October 1982

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Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
GB 2267377 A 19931201; GB 2267377 B 19960103; GB 9311018 D0 19930714; EP 0573223 A1 19931208; GB 9211829 D0 19920715

DOCDB simple family (application)
GB 9311018 A 19930528; EP 93304163 A 19930528; GB 9211829 A 19920530