



(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
01.10.1997 Bulletin 1997/40

(51) Int. Cl.⁶: F23N 5/20, F23N 5/24

(43) Date of publication A2:
03.09.1997 Bulletin 1997/36

(21) Application number: 97107692.2

(22) Date of filing: 05.10.1993

(84) Designated Contracting States:
CH DE FR GB IT LI

(30) Priority: 07.10.1992 IT VI920148

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
93116050.1 / 0 591 910

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(54) Control and monitoring equipment for gas burners

(57) The invention discloses a control and monitoring equipment for gas burners which, when the figure of the reference temperature of the medium to be monitored has been reached, if the flame continues to burn in the burner after the safety gas solenoid valve has been de-energized, the feeding of the motor (M) of the electric fan supplying air for the combustion continues, said feeding being insured by the closing of the contacts (B1, B2) placed before the motor (M) of the electric fan, before a first relay (B) belonging to the power circuit and which is excited by the closing of a normally closed con-

tact (1E), wherein said normally closed contact belongs to a second de-energized relay (E) inserted in the logic part of the equipment, said second relay (E) being placed in series to a first resistance (BLG) wound around a bi-metallic element and in parallel with a closed contact (2RF) belonging to the flame monitoring logic circuit (A RF), the feeding of the motor (M) ceasing when the flame goes out because of the commutation of the contact (2RF) belonging to the flame monitoring logic circuit (A RF).

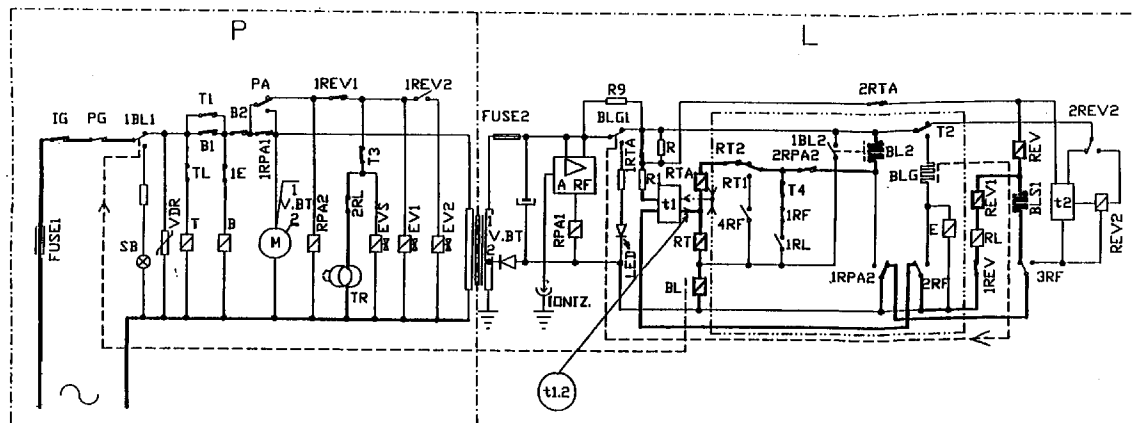


FIG.6



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 10 7692

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US 4 976 459 A (LYNCH) * column 9, line 12 - line 68; figures * ---	1	F23N5/20 F23N5/24
A	GB 2 078 398 A (DANFOSS) * the whole document * ---	1	
A	US 4 482 312 A (CADE) * column 14, line 25 - line 31; figures * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			F23N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 July 1997	Examiner Kooijman, F
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P04C01)