

12 **EUROPEAN PATENT APPLICATION**

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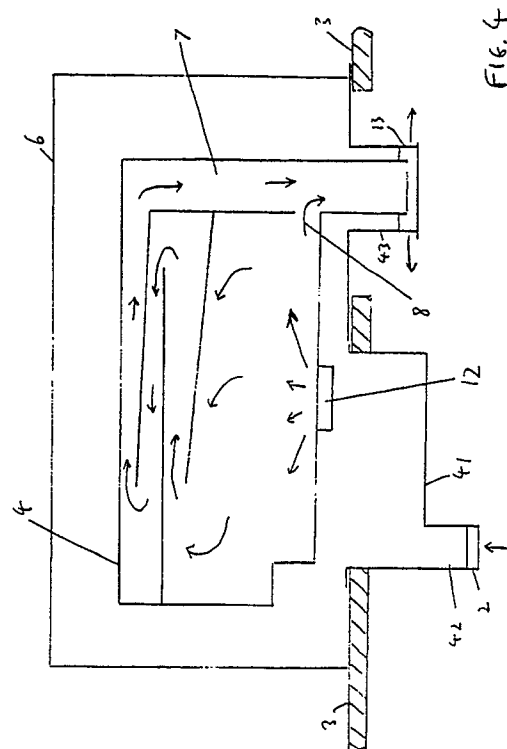
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54 **Gas heating unit and electrical control circuit therefor.**

57 A combustible gas heating system for an accommodation unit, comprising a room sealed heating unit incorporating a combustion box (4) which houses a gas burner (10) and means for conveying combustible gas to the burner, an inlet duct (1) for conveying air into the combustion box, and an outlet duct (7) for conveying products of combustion and excess air from the combustion box for discharge through the floor (3) of the accommodation unit, and a fan (12) operative to produce a forced flow of air through the system from the inlet to the outlet duct.

Also, a control circuit has a storage capacitor for instantaneous gas valve closure when electric power is interrupted.





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.5)
X	GB-A-2 165 939 (WILLEY LTD) * Whole document *	1,2,7	F 24 H 3/00
Y	---	3	F 24 H 1/34
Y	EP-A-0 191 644 (A.O. SMITH CORP.) * Page 7, lines 26-28 *	3	F 24 H 9/00
	---		F 23 N 5/10
A	DE-A-2 028 382 (GAZ DE FRANCE) * Page 11, line 14 - page 14, line 12; figure 3 *	1	
A	GB-A-1 338 912 (MINCHIN et al.) * Whole document *	1,2,7	
A	US-A-3 720 858 (MERCIER) * Abstract *	4	
A	PATENT ABSTRACTS OF JAPAN, vol. 12, no. 183 (M-703)[3030], 28th May 1988; & JP-A-62 293 016 (MATSUSHITA ELECTRIC IND. CO., LTD) 19-12-1987 -----	4	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F 24 H F 23 N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21-09-1990	Examiner VAN GESTEL H.M.
CATEGORY OF CITED DOCUMENTS			
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			
I : 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			



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

☒ LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1,2,3,7: Combustible gas heating system for an accommodation unit an inlet duct extending through the floor and an electrically operated fan.
2. Claims 4,5: An electrical control circuit for a combustible gas heating system.
3. Claims 1,6: A combustible gas heating system with an electrical control circuit.

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☒ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims: 1,2,3,7,4,5
- ☐ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: