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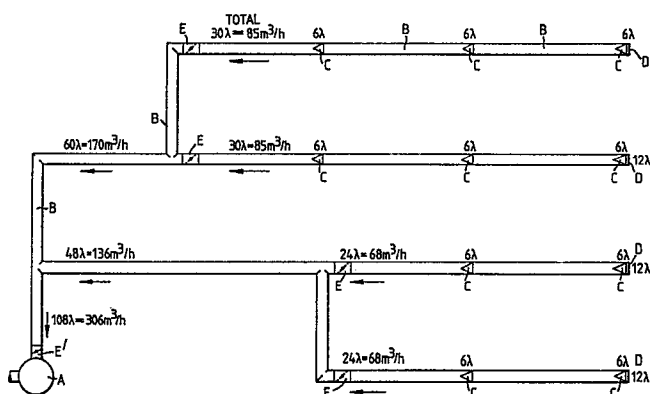
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54 **A heating system.**

57 A infra-red gas heating system is described. The system comprises a heating pipe (18) and a plurality of combustion devices distributed along the length of the heating pipe for supplying hot gases to the interior of the pipe to cause the pipe to emit infra-red radiation from its surface. Each combustion device comprises a burner unit (G) disposed in the heating pipe (18) and control means (F) having an air orifice (11) for supplying the correct amount of air for complete combustion of fuel to the burner unit, means being provided to cause a predetermined excess of air to flow through the pipe in use of the system so that each of the serially arranged burner units can operate within the pipe with complete combustion or fuel in an atmosphere which contains the combustion gases of any upstream burner units. Radiant heat from the pipe may be deflected by means of a reflector means and the temperature of the pipe may be controlled locally by insulating means provided inside the pipe.





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EUROPEAN SEARCH REPORT

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Application number

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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. 3)
X	--- DE-A-3 001 635 (HOXAN CO. LTD.) * complete document *	1,4,6, 8,10, 12	F 24 D 5/08 F 24 H 3/00 F 24 D 5/00
X	--- GB-A-1 315 685 (LORD LTD.) * complete document *	1,6-8, 10,12	
A	--- DE-A-2 519 091 (RADIANT TUBE SYSTEMS LTD.) * page 6, paragraph 2; page 7, paragraph 2 to page 8, paragraph 1 * & GB - A - 1448073	3,7	
A	--- CH-A- 438 631 (LEISTRITZ) * page 9, lines 21 to 41 *	10,11	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
P,A	--- EP-A-0 034 264 (ROBERTS-GORDON APPLIANCE CORP.) -----	3,4	F 24 D 5/00 F 24 H 3/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 19-10-1982	Examiner PIEPER C
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 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			