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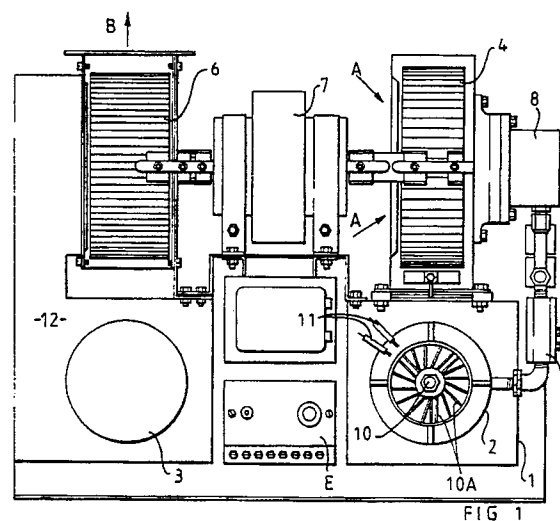
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(54) **Heating apparatus.**

(57) Heating apparatus has a fuel injection device (10) arranged to discharge fuel into a combustion region for combustion by a burner. Means (8) are provided to supply fuel in a liquid state under pressure to a gasifying device (9) from which fuel is supplied to the injection device (10) in a state such that it emerges into the combustion region in a substantially gasified state. Igniter means (11) is provided to ignite the gasified fuel for burning in the combustion region. The gasified fuel may be mixed with another fuel prior to ignition by the igniter means.



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EUROPEAN SEARCH REPORT

Application Number

EP 90 30 8118

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	EP-A-0 036 128 (STOECHIO-MATIC AG) * page 6, line 24 - page 9, line 25 *	1,2,5	F 23 D 11/44
Y	---	3,4	F 23 D 17/00
Y	GB-A-2 034 873 (JOHN ZINK COMPANY) * claim 1 *	3,4	F 24 D 5/08
Y	---		F 24 H 1/00
A	EP-A-0 048 438 (DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT E.V.) * claim 1 *	4	
A	US-A-4 390 125 (ROZZI) * claim 1 *	6	
A	FR-A-1 061 162 (AIR CHAUD ET CONDITIONNEMENT) * figures references 6-8 *	6,7	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F 23 C F 23 D F 24 C F 24 D F 24 H
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 02-04-1991	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	