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(54) Flame simulating assembly and components therefor

(57) A flame simulating assembly (10), such as for an electric heating apparatus, including a simulated fuel bed (26), a light source (30) and a screen (42) disposed behind the fuel bed (26) and having a partially reflecting front surface to provide an image of the fuel bed (26). A flicker element (62,64) is disposed in the path of light from the light source to the screen and comprises a rod (81) defining an axis having one or a plurality of radially projecting reflective elements.

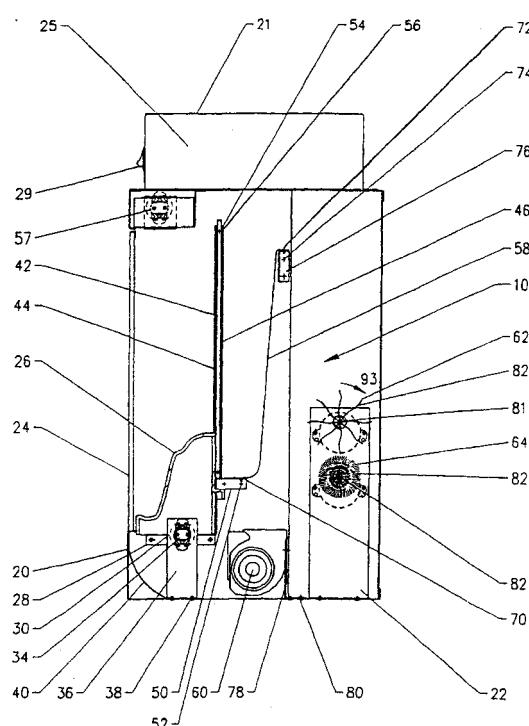


FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 4 965 707 A (BUTTERFIELD BRIAN J) 23 October 1990 (1990-10-23) * the whole document *	1	F24C7/00
X	GB 1 443 772 A (TI SUNHOUSE LTD) 28 July 1976 (1976-07-28) * the whole document *	1	
P, X	GB 2 298 073 A (BITECH ENG) 21 August 1996 (1996-08-21) * the whole document *	1, 2, 4	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F24C
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search		Examiner
MUNICH	27 May 2002		Filtri, G
CATEGORY OF CITED DOCUMENTS		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	
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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27-05-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4965707	A	23-10-1990	AU	621713 B2	19-03-1992
			AU	4931390 A	16-08-1990
			GB	2230335 A ,B	17-10-1990
			IE	63651 B1	31-05-1995
			NZ	232435 A	25-06-1991
-----	-----	-----	-----	-----	-----
GB 1443772	A	28-07-1976	NONE	-----	-----
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GB 2298073	A	21-08-1996	NONE	-----	-----
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