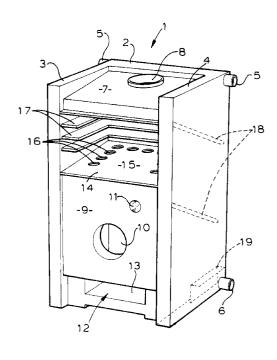
	Europäisches Patentamt						
(19)	European Patent Office						
	Office européen des brevets	(11) EP 0 677 709 A3					
(12)	EUROPEAN PATE	ENT APPLICATION					
(88)	Date of publication A3: 20.11.1996 Bulletin 1996/47	(51) Int Cl. ⁶ : F24H 1/28					
(43)) Date of publication A2: 18.10.1995 Bulletin 1995/42						
(21)	Application number: 95302436.1						
(22)	Date of filing: 12.04.1995						
(84)	Designated Contracting States: DE FR GB IT NL	 (72) Inventors: Wilson, Leslie Freshfield, Formby, Lancashire, L37 7AS (GB) 					
(30)	Priority: 15.04.1994 GB 9407515	 Pritchard, Neil Edward Keighley, West Yorkshire, BD20 6QF (GB) 					
(71)	Applicant: BLUE CIRCLE HEATING LIMITED						
	Rugby, Warwickshire CV21 3JH (GB)	 (74) Representative: Lawrence, Brian Richard 59 Shenfield Place Shenfield Brentwood Essex CM15 9AH (GB) 					

(54) Boilers

(57) A boiler is described comprising a heat exchanger 1 having a rear tank 2, side tanks 3 and 4, a front tank 9, a top 7 and base 13 which together define an enclosure through which products of combustion form a burner 21 (Fig. 3) are fed to an outlet 8, and a divider member 15, possibly in the form of a further tank, disposed between the top 7 and base 13, which divides the enclosure into a lower combustion chamber and an upper chamber, the divider member 15 being provided with a plurality of holes 16 for feeding the products of combustion from the lower chamber to the upper chamber. The upper chamber is provided with fins 17 and retarders 23 (Fig. 3) for increasing heat exchanger efficiency (Fig. 1).



<u>FIG 1</u>

EP 0 677 709 A3

Printed by Jouve, 75001 PARIS (FR)



European Patent

Office

EUROPEAN SEARCH REPORT

Application Number EP 95 30 2436

	DUCUMENTS CONSI	DERED TO BE RELEVAN	I	
Category	Citation of document with in of relevant pas		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL6)
A	US 1 589 689 A (HEA)	()	1,3,4,6, 15	F24H1/28
	* the whole document	: * 		
A	GB 2 248 918 A (BOUI April 1992 * abstract *	TER HERBERT EDWARD) 22	1,2, 9-12,15	
				TECHNICAL FIELDS SEARCHED (Int.Cl.6)
				F24H
	The present search report has been drawn up for all claims			
	Place of search THE HAGUE	Date of completion of the search 25 September 1996		Examiner Gestel, H
CATEGORY OF CITED DOCUMENTS T: theory or principle u X: particularly relevant if taken alone after the filing date Y: particularly relevant if combined with another D: document cited in the document cited in the same category		le underlying the cument, but publi ate n the application or other reasons	invention ished on, or	