

(19)



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(11)

EP 0 823 361 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
04.11.1998 Bulletin 1998/45

(51) Int Cl.⁶: **B61F 5/22**

(43) Date of publication A2:
11.02.1998 Bulletin 1998/07

(21) Application number: **97830392.3**

(22) Date of filing: **25.07.1997**

(84) Designated Contracting States:
**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE**
Designated Extension States:
AL LT LV RO SI

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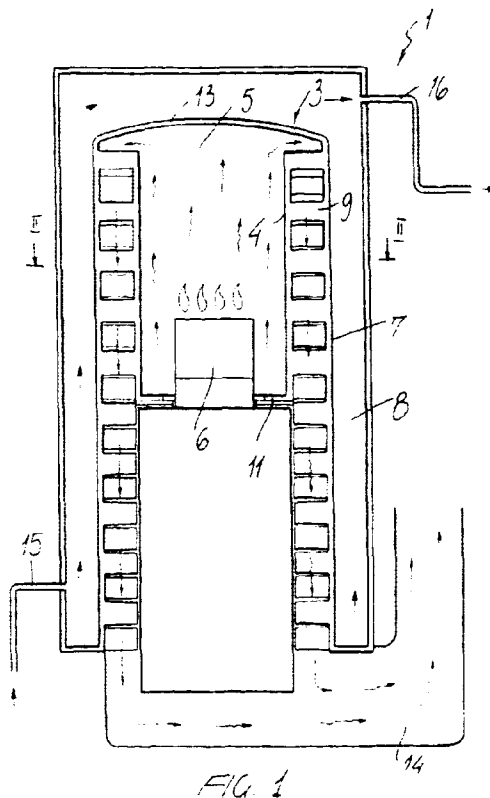
(30) Priority: **02.08.1996 IT MI961697**

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(54) High efficiency heat exchanger boiler

(57) The present invention relates to a boiler (1) comprising a prismatic hollow heat exchanger (3). The heat exchanger (3) is vertically arranged and is provided with an inside shell (4) which laterally delimits a carrying fluid circulating chamber.

Between the outer and inner shells of the heat exchanger boiler a finned gap (9) is formed, which communicates, at the top end portion thereof, with the combustion chamber (5) and, at the bottom end portion thereof, with a fume collecting and removing duct (14).



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EUROPEAN SEARCH REPORT

Application Number
EP 97 83 0392

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.6)
A	DE 27 12 277 A (FROELING KESSEL APP) 28 September 1978 * page 8, paragraph 2 - page 9, paragraph 3; figures *	1-3	B61F5/22
A	DE 36 40 503 C (DEUTSCHE BABCOCK WERKE AG) 24 March 1988 * the whole document *	1-5	
A	DE 86 10 699 U (BUDERUS AG) 28 May 1986 * figure 1 *	1,2,7	
A	EP 0 333 297 A (REMEHA FABRIEKEN BV) 20 September 1989 * abstract *	1,2,4,5,8	
			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 8 September 1998	Examiner Van Gestel, H
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	
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			

EPO FORM 1503 03 82 (P04C01)