

EUROPEAN PATENT APPLICATION

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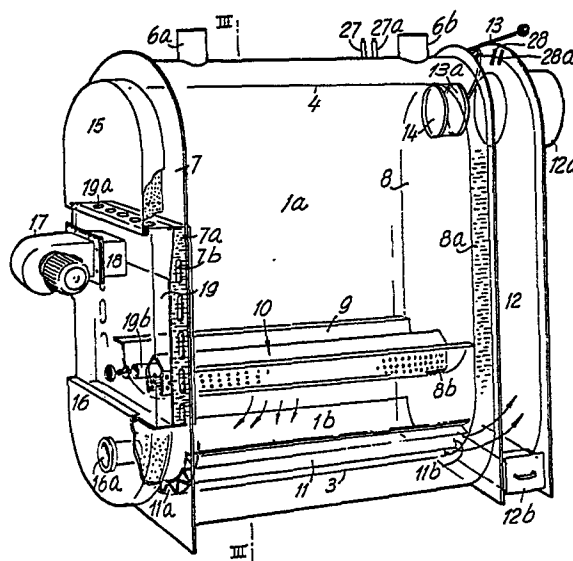
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Solid fuel steel construction boiler for domestic heating applications.

The involved technical field is that of boilers, and the invention concerns a solid fuel steel construction boiler for domestic heating applications.

The interior space of the boiler, which is enclosed in a water curtain interspace, is elongated vertically and divided into an upper zone (1a) and lower zone (1b) by a cradle (9) having an aperture (9a) above which a burner is located which comprises a tube (10a) perforated over its lower surface, air being delivered by an electric fan (17) controlled by an automatic control circuit into a chamber (19) whence primary air flows out toward the top portion of the upper zone (1a) and secondary air is flown into the burner (10), the lower zone (1b) being connected to a smoke box (12) in communication with the chimney flue.





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)
Y	FR-A- 749 153 (VANDEVELDE) * Page 3, column 1, lines 6-20; figures 5,6; page 2, lines 4-15 *	1	F 24 H 1/26 F 24 H 9/18 F 24 H 9/00
A		13	
Y	GB-A- 771 921 (SMITH) * Page 2, lines 89-117; figure 1 *	1	
A		2,17, 18	
Y	CH-A- 169 626 (WECK) * Figures 1,2 *	1	
A		3	
A	US-A-3 269 383 (MAASBERG) * Column 1, lines 64-71; figure 3 *	4,12	F 24 H F 23 L
A	CH-A- 129 824 (SULZER) * Figure 2 *	5	
A	US-A-1 618 501 (WOODRUFF) * Figure 10 *	11	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 20-06-1983	Examiner COMEL E.
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	



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)
A	EP-A-0 022 599 (ROSSI) * Claim 1; figure 1 *	14	
A	FR-A- 872 029 (APPELQVIST) * Figure 3 *	15	
A	BE-A- 536 194 (ROUQUET) * Figure 1 *	16	
A	US-A-1 991 186 (WILLIAMS) * Page 2, column 2, lines 59-64; page 3, column 1, lines 59-66; figures 3,10 *	18	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
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