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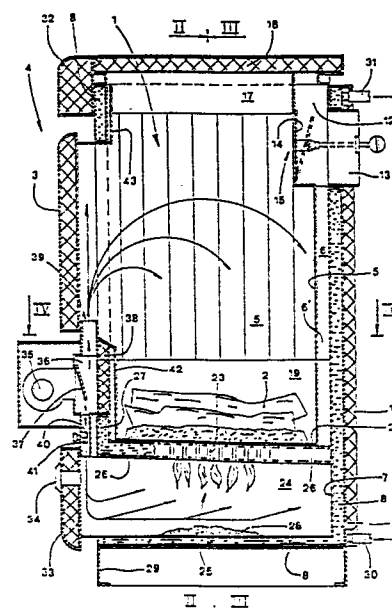
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54 **A solid fuel fired inverted flame boiler for central heating systems and for hot water systems generally.**

57 The boiler disclosed consists principally in an enclosure (1) containing solid fuel (2), which is encompassed by a baffle structure composed of vertical L-section members (5, 6) creating passages (6') that rise toward a chamber (12) where the flue gases are gathered. The surrounding water jacket (8) receives heat from the gases as well as from the inner wall (5) of the baffle, in which transfer occurs by way of the radially-disposed members (6) of the L-sections. At the lower end (19) of the enclosure (1) one has a grate (22) incorporating fire bars (23) and making contact with sub-horizontal longitudinal hollow members (26) in which water circulates. Draughts are set up by a front-mounted blower unit (35) from which primary air is sent upward through a port (39) and secondary air is forced in the opposite direction, through a valve-controlled outlet (40, 41), into the combustion chamber (24).





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EUROPEAN SEARCH REPORT

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EP 86 10 7403

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. 4)
Y	FR-A-1 016 208 (ETABLISSEMENTS MORVAN) * Whole document *	1-3	F 24 H 1/28 ✓ F 23 B 1/36
Y	FR-A-1 571 097 (RODOLFO BELLELI C.S.A.S.) * Page 5, lignes 27-34; figures 16-32 *	1-3	
A	FR-A- 839 477 (SOCIETE CHARBONNIERE COUDERC) * Figure 5 *	1-3	
A	DE-C- 430 239 (MEWS) * Whole document *	1-3	
A	CH-A- 293 385 (ROHRBACH et al.) * Figures 4,5 *	1-3	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A	EP-A-0 084 852 (UNICAL) * Abstract; figure 2 *	4-6	F 23 B F 24 H F 24 B
A	DE-C- 29 639 (GERECKE)		
A	DE-C- 218 968 (MEURER)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-07-1987	Examiner BORRELLI R.M.G.A.
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			

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DOCUMENTS CONSIDERED TO BE RELEVANT			Page 2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	EP-A-0 058 306 (KROLL)		
A	CH-A- 392 011 (OIL-THERM AG)		
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-07-1987	Examiner BORRELLI R.M.G.A.
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