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EUROPEAN PATENT APPLICATION

21 Application number: 85102714.4

22 Date of filing: 09.03.85

51 Int. Cl.⁴: F 23 L 9/00
 F 23 L 1/00, F 23 B 1/16
 F 23 H 1/02

30 Priority: 16.03.84 IT 1810784
 11.06.84 US 619569

43 Date of publication of application:
 18.09.85 Bulletin 85/38

88 Date of deferred publication of search report: 02.04.86

84 Designated Contracting States:
 AT BE CH DE FR GB IT LI NL SE

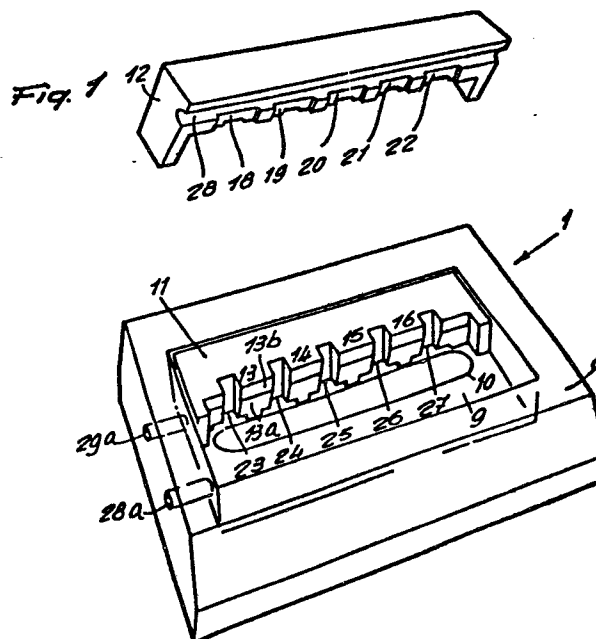
71 Applicant: UNICAL S.p.A.
 Via Roma, 123
 I-46033 Castel d'Ario (Mantova)(IT)

72 Inventor: Jahier, Giovanni
 Largo Petrarca, 4
 I-46100 Mantova(IT)

74 Representative: Modiano, Guido et al,
 MODIANO, JOSIF, PISANTY & STAUB Modiano &
 Associati Via Meravigli, 16
 I-20123 Milan(IT)

54 Improved burner for a solid fuel-fired steel construction boiler.

57 The involved technical field is that of heating apparatus, and the invention relates to an improved burner for a solid fuel-fired steel construction boiler which develops no dangerous deformations in use and can provide optimum mixing of the products released from the combustion on primary air with secondary air. The solution resides in a burner (1) comprising a refractory stone block (8) having a housing (9) with an apertured (10) bottom adapted to contain at least one refractory material body (11, 12) provided with a means (13-16) of holding the overlying embers, the housing (9) bottom and the surface of said body (11, 12, 30, 31) resting thereon being configured to define a secondary air conveying ducting (28).





European Patent
Office

EUROPEAN SEARCH REPORT

0154956

Application number

EP 85 10 2714

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)
A	FR-A-1 016 208 (MORVAN) * Page 1, column 1, paragraph 3; page 1, column 1, paragraphs 2,3; figures 1,2 *	1	F 23 L 9/00 F 23 L 1/00 F 23 B 1/16 F 23 H 1/02 // F 24 B 5/04 F 24 H 9/18 F 23 B 5/04
A	CA-A-1 160 116 (INGERSOLL) * Page 2, lines 19-23; page 6, lines 22-36; figures 1-3,5-7 *	1,2,4	
A	DE-C- 102 377 (PULVER) * Page 2, column 2, paragraph 2; figures 1,3-5 *	1,2,4	
A	FR-A- 674 928 (SCHRUB) * Page 1, column 2, lines 53-63; figures 1,4,6 *	1,4	
A	FR-A-2 516 209 (HAYS)		TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A	US-A-4 078 541 (ROYCRAFT)		F 23 L F 23 B F 23 H F 24 B F 24 H F 27 D
A	DE-C- 134 819 (ARNDT)		
A	DE-C- 117 805 (MAHLER)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17-12-1985	Examiner BORRELLI R.M.G.A.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			