

12 **EUROPEAN PATENT APPLICATION**

21 Application number: 86200226.8

22 Date of filing: 15.02.86

51 Int. Cl.³: **F 23 B 1/30**
F 23 C 1/00, F 24 H 1/22
F 24 H 1/36

30 Priority: 28.02.85 IT 6720785

43 Date of publication of application:
 03.09.86 Bulletin 86/36

88 Date of deferred publication of search report: 20.04.88

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

71 Applicant: **Verluccha Moreto, Piero**
Frazione Torre Antiglieria, 26
I-10080 Sparone (Turin)(IT)

72 Inventor: **Verluccha Moreto, Piero**
Frazione Torre Antiglieria, 26
I-10080 Sparone (Turin)(IT)

74 Representative: **Robba, Eugenio et al,**
Studio "INTERPATENT" via Caboto 35
I-10129 Turin(IT)

54 **Heating boiler with high autonomy of feeding with solid fuel.**

57 The boiler is constituted by a combustion chamber (20;120) with oblique side walls (2, 4; 102, 104) adapted to cause the solid fuel to descend automatically by gravity towards a lower grid (5, 105) where combustion takes place.

The fuel is introduced through two capacious upper apertures (7, 8; 107, 108) provided with smokeproof covers.

The fluid to be fed to the heating bodies is heated in a central cylindrical body (14,114) with flue pipes. The central cylindrical body (14;114) can be made either in a version for feeding with solid fuel only or in a version for mixed feeding, in which case the boiler is provided with appropriate supports for a conventional burner (17).

The main advantage of the boiler is its great autonomy of feeding with solid fuel which is introduced therein in considerable amounts – if desired, in the form of large economical pieces of wood logs – which, however, are burned gradually in time.

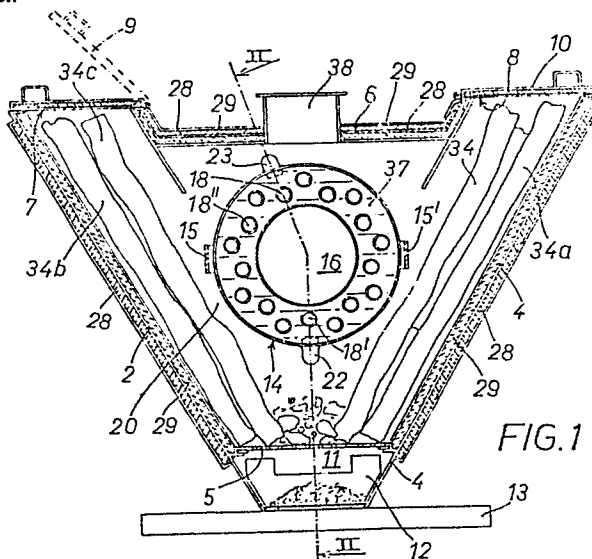


FIG.1



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	DE-A-3 037 338 (STRAUB) * Page 3, paragraph 1; page 6, paragraphs 2,3; figure * ---	1	F 23 B 1/30 F 23 C 1/00 F 24 H 1/22 F 24 H 1/36
Y	GB-A- 459 255 (MARSDEN) * Page 2, lines 23-50; figures 1,2 * ---	1	
A	FR-A- 820 363 (HOEFELE) * Page 2, lines 24-46,80-82; figures 1,2 * ---	1	
A	DE-C- 178 028 (KENT) * Page 2, lines 7-45; figures 1-4 * ---	1	
A	GB-A-2 017 288 (YGNIS) * Page 1, lines 78-90; figure 1 * ---	2	
A	DE-A-2 408 886 (BUDERUS'SCHE EISENWERKE) * Page 4, lines 20-24; figure 1 * ---	2	
A	US-A-4 355 587 (LEMON) -----		TECHNICAL FIELDS SEARCHED (Int. Cl.4) F 23 B F 23 C F 23 G F 24 H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22-01-1988	Examiner PHOA Y.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			