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Declarations under Rule 4.17:

[Continued on next page]

(54) Title: A Fluidised Bed Unit

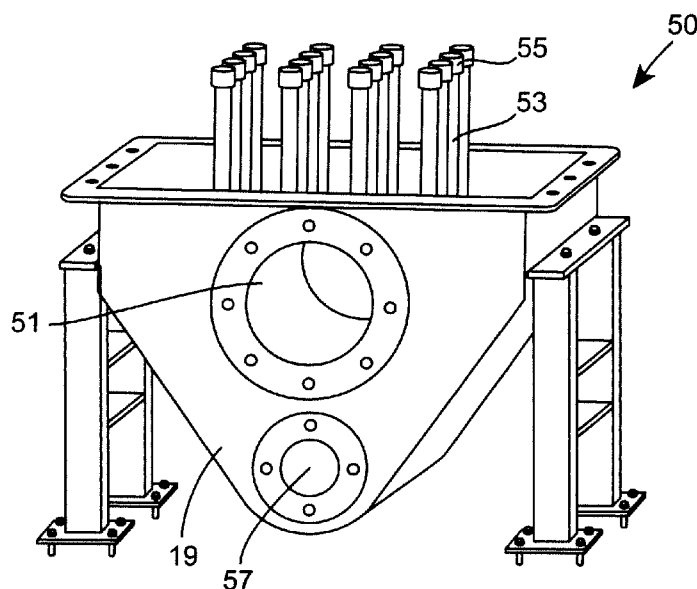


Fig. 2

(57) Abstract: This invention relates to a fluidised bed unit for use in thermally treating a by-product. The unit forms part of an energy conversion system that is suitable for installation on a farm or small scale installation that handles the by-product. The unit comprises a furnace having a fuel charging inlet, a furnace sump for storing fluidised bed media, a clinker extraction unit mounted in the sump adjacent the base of the sump for removing clinkers from the fluidised bed media through a sump discharge aperture, a burner unit and an air introducer assembly comprising a forced draught fan, a single air box coupled to the forced draught fan and a plurality of nozzles fed by the air box. The fluidised bed unit is compact, relatively simple to maintain and commercially viable so that it may be installed on a farm or in a processing plant to process a by-product.



— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
F23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 202 215 A2 (SIMMERING GRAZ PAUKER AG [AT]) 20 November 1986 (1986-11-20) page 9, line 1 - line 8; figure 2	1-30
X	EP 0 063 173 A1 (BABCOCK BSH AG [DE]) 27 October 1982 (1982-10-27) page 2, line 29 - page 4, line 22; figure	1-30
A	EP 0 509 684 A2 (FOSTER WHEELER CORP [US]) 21 October 1992 (1992-10-21) column 2, line 26 - column 4, line 55; figures 1,2	1,11

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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