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(54) **Fluid-bed incinerator.**

(57) The invention relates to a fluid-bed incinerator comprising a kiln with its combustion chamber being formed with a gas-pervious hearth (6), and which is provided with means (21) for loading into the combustion chamber any refuse to be incinerated above the hearth (6), and with means (4, 5) for feeding through the gas-pervious hearth (6) an upward combustion air flow, and also with means (22) for feeding chemical reagents into the said combustion cham-

ber. According to the invention, the hearth (6) is formed with a centrally located outlet opening (106) which is connected to a delivery duct (9), means (26) being provided for feeding cold air into the combustion chamber in kiln (1), through the delivery duct (9) and the outlet opening (106) in hearth (6), and means (27) being provided for the delivery duct (9) to be put under vacuum by a suction device located in the last section of the delivery duct (9).

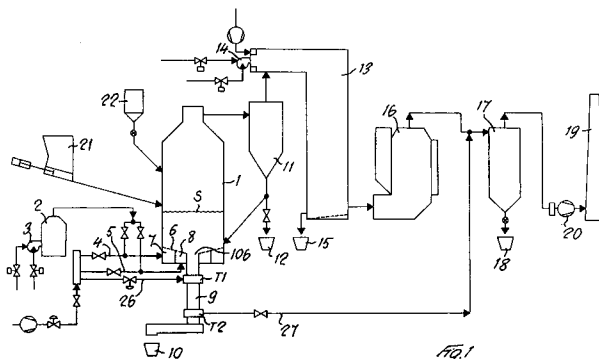


Fig. 1



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EUROPEAN SEARCH REPORT

Application Number

EP 90 12 1485

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.5)
Y	US-A-4 854 249 (KHINKIS) * column 7, lines 4 - 60 * * column 8, line 26 - column 9, line 20 * * figure * ---	1, 8, 11	F23G5/30 F23G5/16 F23C11/02 F23J7/00 F23J1/00 F23J15/00 F23L15/00
Y	US-A-4 308 806 (UEMURA) * column 4, lines 14 - 36 * * figure 2 * ---	1, 8, 11	
Y	FR-A-2 174 833 (AWT SYSTEMS) * page 2, line 32 - page 3, line 39; figure 2 * ---	1, 8, 9, 11	
Y	GB-A-2 107 601 (TOKYO ENGINEERING CORPORATION) * page 5, lines 29 - 41* * figure 1 * ---	1, 8, 9, 11	
A	PATENT ABSTRACTS OF JAPAN vol. 12, no. 292 (M-729)(3139) 10 August 1988 & JP-A-63 070 008 (BABCOCK HITACHI) * abstract * ---	1	
A	PATENT ABSTRACTS OF JAPAN vol. 2, no. 30 (M-77)(7856) 24 February 1978 & JP-A-52 148 976 (BABCOCK HITACHI) * abstract * ---	5	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	FR-A-2 583 305 (FIVES-CAIL BABCOCK) * page 4, line 10 - page 5, line 5; figure 1 * ---	8, 10, 11	F23G F23C F23J
A	FR-A-2 343 980 (MITCHELL) * page 5, lines 9 - 14 * * figure 1 * ---	7	
A	PATENT ABSTRACTS OF JAPAN vol. 14, no. 49 (M-927)29 January 1990 & JP-A-1 277 107 (KOBE STEEL LTD) * abstract * -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 31 MARCH 1992	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	