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### (54) Linked rotary kiln incinerator

(57) A rotary kiln incinerator (1) with a cylindrical structure in which a waste material introduced through one side of a furnace body (4) is combusted while being gradually transported to the other side of the furnace body by the rotation of the furnace body. The furnace body is obtained by aligning along a straight line a plurality of drums (D<sub>1</sub> to D<sub>5</sub>) that have openings on the right and left sides and rotatably linking the openings of the

adjacent drum. Internal temperatures of the drums are set to predetermined temperatures. Each drum is rotated by a rotation driving assembly (3a) installed on the outer periphery of the drum. Each of the rotation driving assembly is driven and controlled by a rotation control unit (3c) equipped with furnace temperature sensors each provided to the drum.

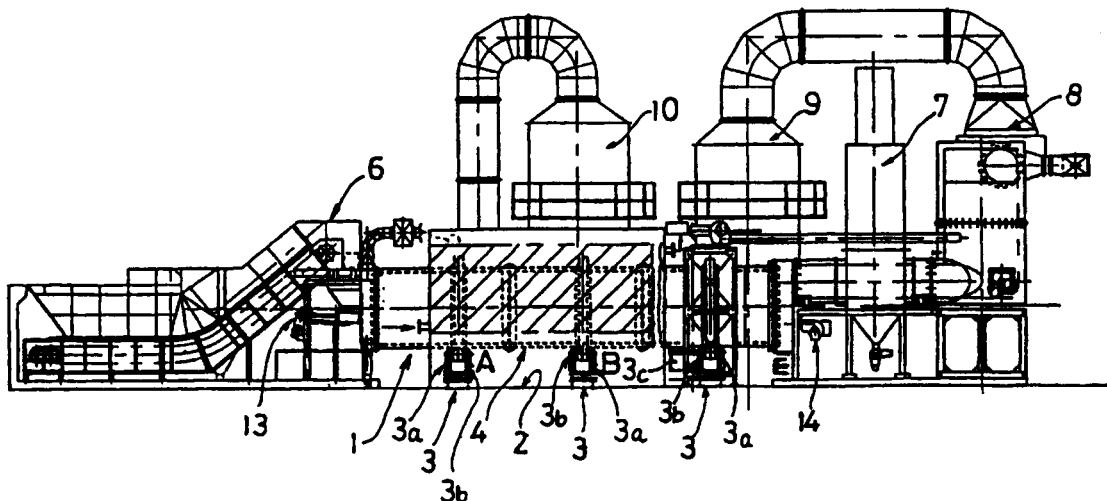


FIG. 2



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## EUROPEAN SEARCH REPORT

Application Number  
EP 97 10 4693

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	US 5 005 493 A (GITMAN GREGORY M) 9 April 1991	1	F23G5/20 F23G5/50 F23G5/12
X	* column 3, line 15 - column 3, line 40 * * column 6, line 67 - column 6, line 55; figures 1,2,7 *	5	
A	PATENT ABSTRACTS OF JAPAN vol. 097, no. 004, 30 April 1997 & JP 08 327034 A (ITO KATSUHIRO), 10 December 1996 * abstract *	1,5	
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A	US 3 436 061 A (ZINN ROBERT E) 1 April 1969 * column 2, line 68 - column 3, line 13 * * column 5, line 66 - column 6, line 38 * * figure 8 *	1,5	
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A	US 4 395 958 A (CAFFYN ALLAN E ET AL) 2 August 1983 * column 5, line 64 - column 6, line 3 * * column 8, line 65 - column 9, line 15 * * figure 2 *	5	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
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A	DE 42 43 264 A (DEUTAG AG) 23 June 1994 -----		
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	18 November 1998	Phoa, Y	
CATEGORY OF CITED DOCUMENTS		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	
X : particularly relevant if taken alone			
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A : technological background			
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