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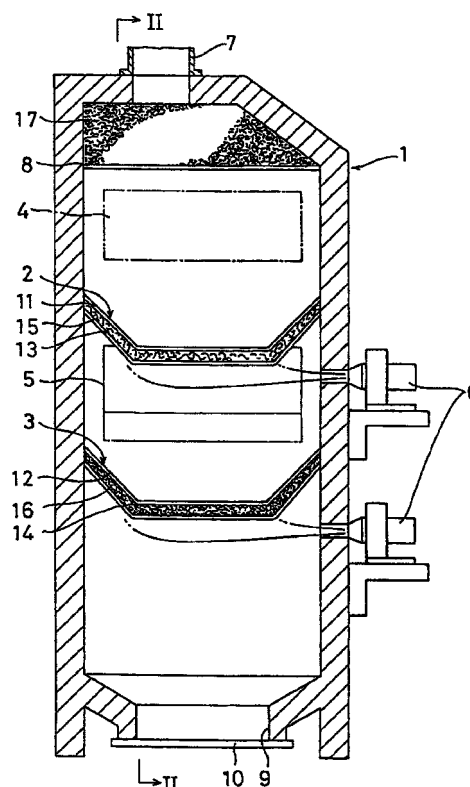
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(54) **Incinerator**

(57) An incinerator that is high in combustion efficiency, produces less noxious emissions and consumes less auxiliary fuel. The incinerator includes two beds (2,3) each having an upper (11,12) and a lower (13,14) crossbar and arranged one over the other in the incinerator body (1). The space between the crossbars of each bed is stuffed with tangled stainless steel whiskers (15,16). Such whiskers are also laid on a crossbar (8) provided near the top of the incinerator body. When wastes are burned in the incinerator, the whiskers are heated and turned red. The thus red-heated whiskers are brought into contact with unburned gas over a wide surface area, increasing the combustion efficiency. The whiskers of the upper bed has larger gaps therebetween than those of the lower bed so that wastes on the upper bed drop through the whiskers onto the lower bed when they burn and shrink in size. Gas permeability of each bed is thus maintained high, so that wastes can be burned completely and ashes remain little on the beds.

FIG. 1



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# EUROPEAN SEARCH REPORT

Application Number  
EP 99 10 7185

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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Y	* column 1, line 41 - line 67 * * column 3, line 20 - line 45 * * column 6, line 66 - column 7, line 40 * * column 7, line 60 - line 66 * * figure * ---	4	
Y	US 4 550 669 A (FORESTO SAM) 5 November 1985 (1985-11-05) * column 8, line 21 - column 9, line 39 * * column 10, line 14 - line 63 * * column 12, line 29 - line 65 * * column 13, line 48 - column 14, line 19 * * figures 3,6,8,9 * ---	4	
X	US 3 780 674 A (HAN LIU) 25 December 1973 (1973-12-25) * column 1, line 67 - column 2, line 25 * * column 2, line 55 - column 3, line 18 * * figure * -----	1-3	TECHNICAL FIELDS SEARCHED (Int.Cl.6) F23G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 6 December 1999	Examiner Coquau, S
<b>CATEGORY OF CITED DOCUMENTS</b> 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	

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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