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(54) **A circulating fluidized bed reactor chamber**

(57) The invention relates to a fluidized bed reactor chamber made up of peripheral waterwalls (1, 1') constituted by tubes interconnected by fins and having a bottom portion (1A) lined with a layer of refractory material (3A), a top portion (1B), and a zone (1C) referred to as an intermediate zone situated between said bottom and top portions, at least two waterwalls being connected to each other along a substantially vertical edge, and said pe-

ripheral waterwalls in said intermediate zone (1C) being bent outwards angularly relative to the vertical plane defined by the top portion (1B) of each peripheral waterwall. According to the invention a horizontal fraction only of each of said peripheral walls is bent in this way, said fractions being disposed on either side of said edge.



## EUROPEAN SEARCH REPORT

 Application Number  
 EP 07 30 0714

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	JP 2001 165409 A (MITSUBISHI HEAVY IND LTD) 22 June 2001 (2001-06-22)	1-11	INV. F22B31/00
Y	* figures 1,2,5,6 * * abstract * * paragraph [0008] - paragraph [0011] *	12,13	F22B37/10 F23M5/00 F23C10/02
X	"O&M EXPERIENCE UNDERSCORES MATURITY OF CFB TECHNOLOGY" POWER, MCGRAW-HILL COMPAGNY, NEW YORK, NY, US, vol. 139, no. 5, 1 May 1995 (1995-05-01), XP000504822 ISSN: 0032-5929 * figure 2 *	1,9,10	
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Y	* figure 3 *	2	
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The present search report has been drawn up for all claims			
8	Place of search Munich	Date of completion of the search 30 April 2010	Examiner Lepers, Joachim
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 Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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