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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RETORT HEATING SYSTEMS AND METHODS OF USE

(57) Abstract: A retort heating apparatus includes a perimeter wall bounding a central compartment. A partition wall is disposed within the central compartment so as to separate the central compartment into at least a heating chamber and a vapor chamber. The partition wall has a plurality of spaced apart apertures formed thereon so as to provide fluid communication between the heating chamber and the collection chamber. A plurality of spaced apart baffles are disposed within the heating chamber between the perimeter wall and the partition wall. A collection plate is disposed within the vapor chamber at a downwardly curved or sloped orientation. The to collection plate has lower end disposed at or adjacent to the partition wall and an opposing upper end disposed at or toward the perimeter wall.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : B01D 03/00; C10B 09/00
US CL : 202/82,209,211,214,215,217,220,222,247,270,81; 201/3,5-8,19; 338/51,159,232,233,243
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)
U.S. : 202/82,209,211,214,215,217,220,222,247,270,81; 201/3,5-8,19; 338/51,159,232,233,243

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,948,468 A (REEVES et al) 14 August 1990 (14.08.1990), Fig.1-29	29-35,39
Y	US 4,601,812 A (ANDERSON et al) 22 July 1986 (22.07.1986), column 2, lines 25-35.	39

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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