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(54) **Heat exchanger**

(57) A heat exchanger comprising an outer jacket, which encases a set of vertically running pipe elements anchored in sieve walls on both ends, a gas combustion chamber positioned over the upper sieve wall, and baffles mounted crosswise to the pipe elements, with openings through which the pipe elements run, plus water, gas, and fume inlet and outlet pipe stubs, wherein the outer jacket (9) is conical in shape gaining in diameter towards the top, and the top baffle (5) below the upper sieve wall (2) is conical in shape, its apex pointing down.

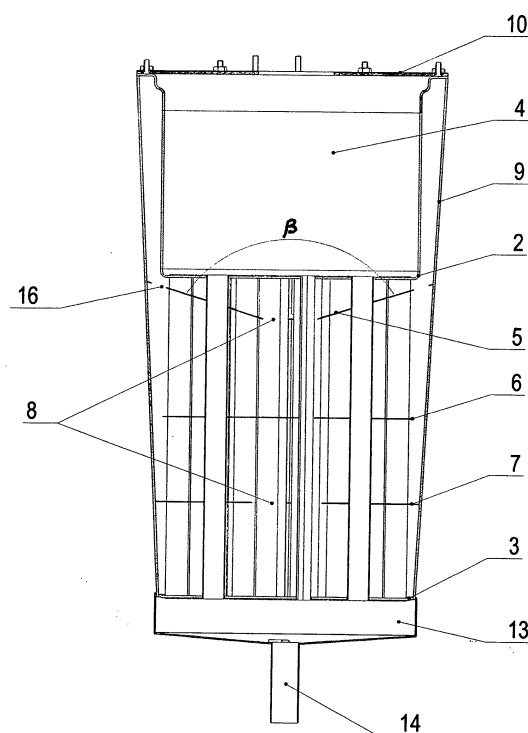


Fig.2



EUROPEAN SEARCH REPORT

Application Number
EP 11 46 0027

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
E	EP 2 437 022 A2 (AIC S A [PL]) 4 April 2012 (2012-04-04) * paragraph [0016]; figures * -----	1-6	INV. F28F9/00 F28F9/22 F28D7/16
A	WO 2004/052524 A1 (GUETLHUBER FRIEDRICH [DE]; MAN DWE GMBH [DE]) 24 June 2004 (2004-06-24) * page 20, paragraph 2; figures 1,16 * -----	1-6	
A	US 2008/289804 A1 (BAUMANN UWE [DE] ET AL) 27 November 2008 (2008-11-27) * abstract; figure 2 * -----	1-6	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) F28D
Place of search The Hague		Date of completion of the search 21 February 2014	Examiner Mootz, Frank
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			

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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.
The members are as contained in the European Patent Office EDP file on
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21-02-2014

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