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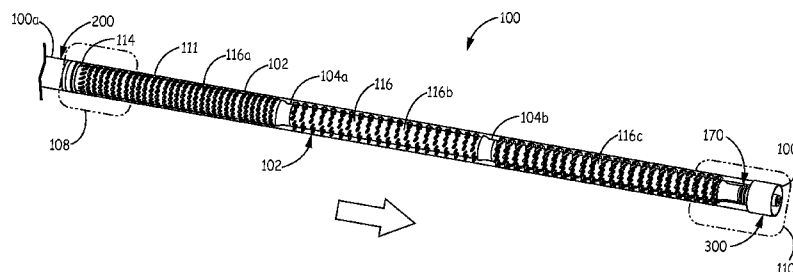


FIG. 1

(57) Abstract: A direct contact heat exchanger assembly is provided. The direct contact heat exchanger includes an evaporator jacket and an inner member. The inner member is received within the evaporator jacket. A sleeve passage is formed between the evaporator jacket and the inner member. The sleeve passage is configured and arranged to pass a flow of liquid. The housing has an inner exhaust chamber that is coupled to pass hot gas. The inner member further has a plurality of exhaust passages that allow some of the hot gas passing through the inner exhaust chamber to enter the flow of liquid in the sleeve passage.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
INV.	E21B36/02	E21B43/12
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	F23D14/02	F23D14/70
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B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) E21B F22B		
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) EPO-Internal, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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Y	page 6, paragraph 2 - page 19, line 3; claims; figures; tables 1-4	10,11, 15,16, 20,21
A	abstract	2-9, 12-14, 17,18, 22-24
Y	----- US 2010/181069 A1 (SCHNEIDER FRED [CA] ET AL) 22 July 2010 (2010-07-22)	10,11, 15,16, 20,21
	paragraph [0037] - paragraph [0110]; claims; figures abstract	
	----- -/-	
☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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Y	US 4 366 860 A (DONALDSON A BURL ET AL) 4 January 1983 (1983-01-04) column 3, line 4 - column 5, line 45; claims; figures abstract -----	10,11, 15,16, 20,21

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