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(54) **Plate heat exchanger with tension ties**

(57) A plate heat exchanger (100) includes a stack of main plates (110) having ridges and troughs to direct first and second flows of fluids through cavities between the main plates (110) to exchange heat between the fluids while maintaining the first and second flows of fluids separate from each other. The plate heat exchanger (100)

includes a first end plate (120) stacked at one end of the stack of main plates (110) and a second end plate (130) stacked at an opposite end of the main plates (110). Tension ties (140) mechanically connect to each of the first and second end plates (120, 130) through the stack of main plates (110).

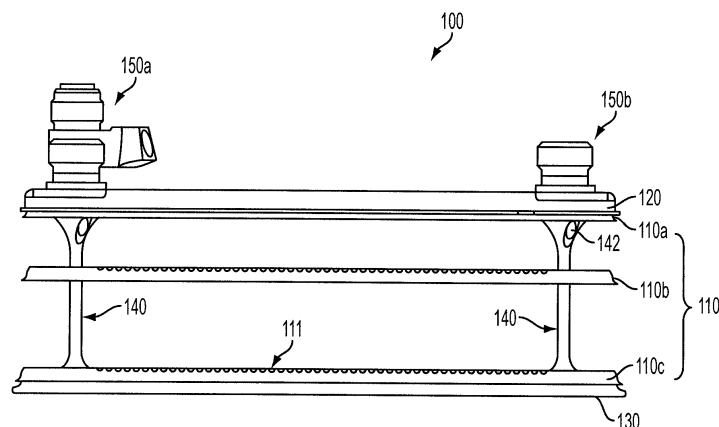


FIG. 1



EUROPEAN SEARCH REPORT

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			TECHNICAL FIELDS SEARCHED (IPC)
			F28F F28D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 May 2015	Examiner Mootz, Frank
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	
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