

(19)



(11)

EP 2 228 613 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
15.01.2014 Bulletin 2014/03

(43) Date of publication A2:
15.09.2010 Bulletin 2010/37

(21) Application number: **10156542.2**

(22) Date of filing: **15.03.2010**

(51) Int Cl.:
F25B 40/00 ^(2006.01) **F28D 7/10** ^(2006.01)
F28F 1/08 ^(2006.01) **F28F 1/06** ^(2006.01)
B21D 15/02 ^(2006.01) **B21D 39/04** ^(2006.01)
B21D 53/06 ^(2006.01)

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO SE SI SK SM TR**
Designated Extension States:
AL BA ME RS

(30) Priority: **13.03.2009 US 403831**

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(54) **In-line heat-exchangers and methods of forming the same**

(57) An in-line heat exchanger (10) comprising first (20) and second lengths (30) of seamless, walled tubing, the first length of tubing characterized by a larger diameter than the diameter of the second length of tubing, and the second length of walled tubing disposed within the first length of walled tubing. A plurality of longitudinally-extending channels (21) are defined in the wall of at least one of the first and second lengths of tubing, the channels (21) defining therebetween a plurality of longitudinally-extending passageways (40) in the area between the walls of the first and second lengths of tubing. Terminal

portions (22a,22b) provided at opposite ends of the first length of tubing are each sealed with respect to the second length of tubing, each terminal portion defining one of an inlet or an outlet, and each terminal portion defining at least one interior passageway between the terminal portion and the wall of the second length of tubing, the at least one interior passageway (24a;24b) communicating the plurality of longitudinally-extending passageways (40) with one of the inlet or outlet.

EP 2 228 613 A3



EUROPEAN SEARCH REPORT

Application Number
EP 10 15 6542

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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 6 December 2013	Examiner Léandre, Arnaud
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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EPO FORM 1503 03 82 (P04C01)

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EP 10 15 6542

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