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(54) **Stacking-type, multi-flow, heat exchangers and methods for manufacturing such heat exchangers**

(57) A stacking-type, multi-flow, heat exchanger (1) includes heat transfer tubes (2) and outer fins (3) stacked alternatively. Each heat transfer tube (2) is formed by connecting a pair of tube plates (30), and each heat transfer tube includes a raised portion (45,46) fixing the pair of tube plates (30) to each other. The raised portions (45,46) are formed by elongating or raising a portion of the pair of tube plates (30) substantially simultaneously at a position at which a pair of holes (41), each of which

is formed through one tube plate (30) beforehand, are aligned. Complicated steps, such as inserting a raised portion into a hole, are not necessary. The number of types of tube plates (30) also may be reduced. Moreover, the efficiency of assembling a heat transfer tube when fixing a pair of tube plates to each other may be significantly increased.

EP 1 610 080 A3



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EUROPEAN SEARCH REPORT

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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 7 November 2006	Examiner Van Dooren, Marc
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			

2

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 05 25 3669

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