

Title (en)

A pipe connecting structure for a heat exchanger

Title (de)

Rohrverbindungsstruktur für einen Wärmetauscher

Title (fr)

Structure de connexion de conduite pour échangeur de chaleur

Publication

EP 1930683 A1 20080611 (EN)

Application

EP 06256220 A 20061206

Priority

EP 06256220 A 20061206

Abstract (en)

A pipe connecting structure for a heat exchanger comprising:- a header portion defined by a plurality of parallel elongate header tubes; a connector block having a side face adapted to abut against a side region of an outer one of said header tubes and connection means configured to connect a pipe thereto; and joining means comprising at least one elongate tubular member adapted to be inserted through diametrically opposed holes formed in the side walls of at least said outer one of said header tubes, a first end of said at least one elongate tubular member extending through a corresponding hole in a side wall of the one of said plurality of header tubes furthest from said outer one of said header tubes, whereby said first end communicates with an interior of said furthest one of said header tubes, and a second end of said at least one tubular member extending through a corresponding hole in said side face of the connector block, whereby said second end communicates with said connection means; whereby the at least one tubular member of the joining means extends between said plurality of elongate header tubes to connect the plurality of elongate header tubes to one another and to the connector block.

IPC 8 full level

F28F 9/04 (2006.01); **B60H 1/00** (2006.01)

CPC (source: EP US)

F28D 1/05391 (2013.01 - EP US); **F28F 9/0246** (2013.01 - EP US)

Citation (search report)

- [A] DE 10133940 A1 20030123 - BEHR GMBH & CO [DE]
- [A] EP 1710529 A1 20061011 - FRAPE BEHR SA [ES]
- [A] US 2005275219 A1 20051215 - HIYAMA JINICHI [JP], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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