

Title (en)

Heat exchanger core with several slotted headers

Title (de)

Wärmeübertrager - Rohrblock mit mehreren geschlitzten Sammelrohren

Title (fr)

Bloc d'échangeur de chaleur avec plusieurs chambres collectrices munies de fentes

Publication

EP 1229295 A3 20030604 (DE)

Application

EP 01130534 A 20011221

Priority

DE 10105202 A 20010131

Abstract (en)

[origin: US6484796B2] A heat-exchanger tube block is disclosed having at least two header tubes (6, 7), which are C-shaped in cross section and each of which has a continuous longitudinal slot (10, 11). Flat tubes (2a, 2b) are inserted into the header-tube longitudinal slots. A cover-plate element (12) is provided which has a plurality of C-shaped openings and is fitted over one end of the at least two header tubes, so that the header tubes respectively fit into one of the openings and are secured in a fluid-tight manner. The tube-block can be used, for example, in an evaporator of CO2 air-conditioning installations for a motor vehicle.

IPC 1-7

F28D 1/047; **F28F 9/02**; **F28F 9/18**

IPC 8 full level

F28D 1/047 (2006.01); **F28F 9/02** (2006.01); **F28F 9/18** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP US)

F28D 1/0478 (2013.01 - EP US); **F28F 9/0214** (2013.01 - EP US); **F28F 9/0243** (2013.01 - EP US); **F28F 9/18** (2013.01 - EP US); **F28F 2220/00** (2013.01 - EP US)

Citation (search report)

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- [DA] DE 19846267 A1 20000413 - BEHR GMBH & CO [DE]
- [A] DE 19826881 A1 19991223 - BEHR GMBH & CO [DE]
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- [PA] EP 1083395 A1 20010314 - MODINE MFG CO [US]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02 29 February 2000 (2000-02-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 226 (M - 412) 12 September 1985 (1985-09-12)

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