

Title (en)

Heat exchanger with increased compactness and pressure resistance

Title (de)

Wärmetauscher mit erhöhter Kompaktheit und Druckfestigkeit

Title (fr)

Echangeur de chaleur à compacité et résistance à la pression améliorées

Publication

EP 1739375 A1 20070103 (FR)

Application

EP 06013318 A 20060628

Priority

FR 0506622 A 20050629

Abstract (en)

The exchanger has an extended body (3) in which rows of longitudinal channels (11, 15) are arranged, where a fluid is circulated in the channels. The channels are disposed on both sides of a third row of longitudinal channels (19) in which another fluid is circulated in order to permit heat exchange between the two fluids. The channels (11, 15) are shaped near one of their ends so as to be received in a same opening (23) provided in a manifold (5). The channels (19) are shaped near one of their ends so as to be received in an opening (20) provided in a manifold (7).

IPC 8 full level

F28D 7/00 (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)

F25B 40/00 (2013.01); **F28D 7/0025** (2013.01); **F28F 9/02** (2013.01); **F25B 2309/061** (2013.01)

Citation (search report)

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- [XY] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

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