

Title (en)
Heat exchanger

Title (de)
Wärmeübertrager

Title (fr)
Échangeur de chaleur

Publication
EP 1726907 A1 20061129 (EN)

Application
EP 06009828 A 20060512

Priority
JP 2005144525 A 20050517

Abstract (en)
[OBJECT] To provide a heat exchanger having a connector configured rationally. [SOLVING MEANS] A connector 400 is comprised of a block body 410 and a pipe body 420, the block body has a flow passage 411 for flowing a medium and a joint surface 412 to be bonded to a tank 300a, a flow passage in the block body has a first opening 411a on the side of an external pipe 10 and a second opening 411b on the side of the tank, the second opening is located at the joint surface, and the pipe body is a member which has a brazing material clad on its outer periphery, disposed so that its one end is inserted through a hole 325 of the tank and the other end is located within the flow passage of the block body, and brazed to the hole of the tank and the flow passage of the block body with a brazing material which is clad on the outer periphery of the pipe body. Further, it is configured so that the pipe body is inserted from the second opening until its leading end hits against a part where the sectional shape of the flow passage of the block body changes, thereby restricting an inserted amount into the flow passage of the block body.

IPC 8 full level
F28F 9/04 (2006.01); **F28F 9/16** (2006.01); **F28F 9/18** (2006.01)

CPC (source: EP)
F28D 1/05391 (2013.01); **F28F 9/0224** (2013.01); **F28F 9/0243** (2013.01); **F28F 9/0246** (2013.01); **F28F 9/0251** (2013.01); **F28F 9/0256** (2013.01)

Citation (search report)

- [X] EP 1426723 A1 20040609 - CALSONIC KANSEI CORP [JP]
- [X] FR 1482046 A 19670526 - RUBANOX SOC
- [A] FR 2272769 A1 19751226 - CHAUSSON USINES SA [FR]
- [DX] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 02 30 January 1998 (1998-01-30)

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DE FR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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EP 06009828 A 20060512; JP 2005144525 A 20050517