

Title (en)

Heat exchanger and heat exchanging apparatus for vehicle

Title (de)

Wärmeübertrager sowie Wärmeübertrageranordnung für ein Kraftfahrzeug

Title (fr)

Echangeur de chaleur et dispositif d'échange de chaleur pour véhicule automobile

Publication

EP 0881447 A3 19990623 (DE)

Application

EP 98107377 A 19980423

Priority

DE 19722097 A 19970527

Abstract (en)

[origin: EP0881447A2] The heat transfer assembly (2-19) is designed for use in a vehicle. It consists of a rib or tube block with flat tubes and expanded tube ends at opposite sides. The adjacent lateral wall sections of the tube ends lie against each other in a positive fit. The longitudinal wall sections of the tube ends, against the flow boxes, are in a positive fit against their facing flow box wall sections.

IPC 1-7

F28D 1/04; **F28F 9/02**

IPC 8 full level

B60K 11/04 (2006.01); **F28D 1/04** (2006.01); **F28D 1/053** (2006.01); **F28F 1/00** (2006.01); **F28F 1/02** (2006.01); **F28F 9/02** (2006.01); **F28F 9/16** (2006.01)

CPC (source: EP US)

F28D 1/0435 (2013.01 - EP US); **F28F 1/025** (2013.01 - EP US); **F28F 9/0221** (2013.01 - EP US); **F28F 9/16** (2013.01 - EP US); **F28D 2021/0082** (2013.01 - EP US); **F28D 2021/0084** (2013.01 - EP US); **F28D 2021/0094** (2013.01 - EP US); **F28F 2009/004** (2013.01 - EP US); **F28F 2275/16** (2013.01 - EP US)

Citation (search report)

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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DOCDB simple family (application)

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