

Title (en)
Heat exchanger for automotive vehicle

Title (de)
Wärmeübertrager für ein Kraftfahrzeug

Title (fr)
Echangeur de chaleur pour véhicule automobile

Publication
EP 0864840 A3 19991201 (DE)

Application
EP 98104134 A 19980309

Priority
• DE 19709909 A 19970311
• DE 19722099 A 19970527

Abstract (en)
[origin: EP0864840A2] The heat transfer system, has at least one dividing wall (4) separating at least one collection chamber (1), with an outer contour matching the inner contour of the chamber wall. The dividing wall is soldered in a sealed fit with the inner contour. A holding foot (9), to hold the inserted dividing wall, has two flat facing wall sections (8) of adjacent tube ends (5). The holding foot has at least one one-piece and shaped strap (10), to form an insertion slit for the dividing wall.

IPC 1-7
F28F 9/02

IPC 8 full level
B60K 11/04 (2006.01); **F01P 3/18** (2006.01); **F28D 1/053** (2006.01); **F28F 9/00** (2006.01); **F28F 9/02** (2006.01); **F28F 9/04** (2006.01)

CPC (source: EP US)
F28D 1/0535 (2013.01 - EP US); **F28F 9/001** (2013.01 - EP US); **F28F 9/0212** (2013.01 - EP US); **F28F 9/0221** (2013.01 - EP US); **F28F 9/0246** (2013.01 - EP US); **F28D 2021/0082** (2013.01 - EP US); **F28D 2021/0094** (2013.01 - EP US); **Y10S 165/471** (2013.01 - EP US); **Y10S 165/482** (2013.01 - EP US)

Citation (search report)
• [A] FR 2603373 A1 19880304 - VALEO [FR]
• [A] EP 0480628 A1 19920415 - SHOWA ALUMINIUM CO LTD [JP]
• [A] EP 0709644 A2 19960501 - VALEO ENGINE COOLING INC [US]
• [A] US 5097900 A 19920324 - YAMAGUCHI TORU [JP]
• [A] FR 2148482 A1 19730323 - SUEDEDEUTSCHE KUEHLER BEHR
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Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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