

Title (en)  
HEAT EXCHANGER

Title (de)  
W RME BERTRAGER

Title (fr)  
ECHANGEUR THERMIQUE

Publication  
**EP 1590616 A1 20051102 (DE)**

Application  
**EP 04704551 A 20040123**

Priority  
• EP 2004000560 W 20040123  
• EP 03290190 A 20030123  
• EP 04704551 A 20040123

Abstract (en)  
[origin: EP1443294A1] The heat exchanger comprises at least one header (4) and a holder (16) fixed to it by positive connection. The holder may be shaped to fit the external shape of the header. It may be in the form of a C-shaped clip to clip onto the header. The header may be in two parts, with a cover (8) and a bottom part forming recessed longitudinal edges (13).

IPC 1-7  
**F28F 9/04**; **F28D 1/053**; **F28F 9/02**

IPC 8 full level  
**B60H 1/00** (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)  
**B60H 1/00571** (2013.01 - EP US); **F28D 1/05366** (2013.01 - EP US); **F28F 9/002** (2013.01 - EP US); **F28F 9/0243** (2013.01 - EP US); **F28F 9/0246** (2013.01 - EP US); **F28F 9/0253** (2013.01 - EP US); **F28D 2021/0084** (2013.01 - EP US); **F28F 2275/04** (2013.01 - EP US); **F28F 2275/085** (2013.01 - EP US); **F28F 2275/143** (2013.01 - EP US)

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See references of WO 2004065884A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 03290190 A 20030123**; BR PI0406839 A 20040123; EP 04704551 A 20040123; EP 2004000560 W 20040123; US 54310405 A 20050722