

Title (en)  
Heat exchanger for automotive vehicle

Title (de)  
Wärmeübertrager für ein Kraftfahrzeug

Title (fr)  
Echangeur de chaleur pour véhicule automobile

Publication  
**EP 0789213 A3 19980624 (DE)**

Application  
**EP 96114861 A 19960917**

Priority  
DE 19536116 A 19950928

Abstract (en)  
[origin: DE19536116A1] Heat transmission devices are provided for at least a further circuit for feeding a further heat transmission medium. In the unit comprising the collection tubes (2,3) and the rib/tube block (4) two independent heat transmission areas (19,20) are formed. In at least one heat transmission area the heat transmission devices, for one further circuit, are integrated. In both collection tubes at the same height, at least one dividing wall arrangement (10) may be provided for division of each collecting tube into independent heat transmission areas. The dividing wall arrangement may be formed by two closing walls (14,16), between which is an intermediary space (15).

IPC 1-7  
**F28D 1/04**

IPC 8 full level  
**F28D 1/04** (2006.01); **F28D 1/053** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)  
**F28D 1/0443** (2013.01); **F28F 9/0212** (2013.01); **F28D 2021/0084** (2013.01); **F28D 2021/0096** (2013.01); **F28F 2009/0287** (2013.01)

Citation (search report)  
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• [Y] US 4607684 A 19860826 - WIARD MAXWELL R [US], et al  
• [X] FR 2712674 A1 19950524 - VALEO THERMIQUE MOTEUR SA [FR]  
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WO2007104667A1; US7337832B2; US6942014B2; US6904963B2; US6173766B1; US7096932B2; WO2005066563A1; US7059393B2;  
US7523782B2

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DE ES FR GB IT SE

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EP 0789213 B1 20021211; ES 2185730 T3 20030501; JP 3860256 B2 20061220; JP H09152296 A 19970610

DOCDB simple family (application)  
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