

Title (en)  
Heat exchanger

Title (de)  
Wärmeaustauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 0949478 A3 20000301 (DE)**

Application  
**EP 99200678 A 19990308**

Priority  
NL 1008535 A 19980309

Abstract (en)  
[origin: EP0949478A2] The ribbed tubes (2) and connecting conduits (5) are incorporated into a housing that includes at least one cover plate (7) forming cavities (8,8',9), which include primary cavities (8,8') for receiving the tubes. A flow channel for a hot gas is formed inside the casing, having a cross-section which is greater in the tubes than between them. An Independent claim is also included for the cover plate.

IPC 1-7  
**F28D 1/047**; **F28F 1/26**

IPC 8 full level  
**F28D 1/047** (2006.01); **F28F 1/26** (2006.01)

CPC (source: EP)  
**F28D 1/0477** (2013.01); **F28F 1/26** (2013.01)

Citation (search report)  
• [XAY] NL 7907022 A 19800328 - CTC AB  
• [YA] EP 0569293 A1 19931110 - KOBOL SA [ES]  
• [XA] GB 1304685 A 19730124  
• [A] DE 3904654 A1 19900823 - LAENGERER & REICH KUEHLER [DE]  
• [A] NL 7807493 A 19790116 - CARRIER CORP

Cited by  
EP1233241A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0949478 A2 19991013**; **EP 0949478 A3 20000301**

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**EP 99200678 A 19990308**