

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 0704666 A1 19960403 (EN)**

Application  
**EP 95115309 A 19950928**

Priority  
JP 25953394 A 19940929

Abstract (en)  
In order to provide a heat exchanger with which it is possible to set a plurality of variations in the length of the tube elements (1) and that can be manufactured with relative ease and at low cost, the present invention is a heat exchanger in which a heat exchanger core (3) is constituted by laminating a plurality of tube elements (1) in each of which, the shape of the tube cross section from an intake/outlet portion, which is constituted with intake/outlet ports, to the vicinity of a flow path U-turn area, is consistent. The heat exchanger is assembled with the intake/outlet portion of each tube element of the heat exchanger core inserted into a separately provided tank. A partitioning plate partitions the inside of the tank and is formed with tube fitting notches that fit on to a tube partitioning portion, at approximately the center of the intake/outlet portion of each tube element.  
<IMAGE>

IPC 1-7  
**F28D 1/03**; **F28F 9/02**

IPC 8 full level  
**F28D 1/03** (2006.01); **F28F 9/02** (2006.01); **F28F 9/18** (2006.01)

CPC (source: EP KR)  
**F28D 1/035** (2013.01 - EP); **F28F 1/32** (2013.01 - KR); **F28F 9/00** (2013.01 - KR); **F28F 9/0217** (2013.01 - EP); **F28F 9/0224** (2013.01 - EP); **F28F 9/18** (2013.01 - EP)

Citation (applicant)  
JP H051896 A 19930108 - ZEXEL CORP

Citation (search report)  
• [XA] DE 3803599 A1 19890817 - HAPPEL GMBH & CO [DE]  
• [XA] EP 0113003 A1 19840711 - SUEDEDEUTSCHE KUEHLER BEHR [DE]  
• [A] DE 4307504 C1 19940922 - MTU FRIEDRICHSHAFEN GMBH [DE]

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Designated contracting state (EPC)  
DE FR

DOCDB simple family (publication)  
**EP 0704666 A1 19960403**; **EP 0704666 B1 19990526**; CN 1123402 A 19960529; DE 69509850 D1 19990701; DE 69509850 T2 19990923; JP H0894285 A 19960412; KR 0170535 B1 19990320; KR 960011379 A 19960420

DOCDB simple family (application)  
**EP 95115309 A 19950928**; CN 95118644 A 19950929; DE 69509850 T 19950928; JP 25953394 A 19940929; KR 19950032744 A 19950929