

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 0704666 B1 19990526 (EN)**

Application  
**EP 95115309 A 19950928**

Priority  
JP 25953394 A 19940929

Abstract (en)  
[origin: EP0704666A1] 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)

Cited by  
US6202741B1; DE102010009533B3; EP1764570A1; FR2770635A1; KR100957665B1; EP1731864A1; FR2780153A1; DE19752139A1; FR2771483A1; DE19752139B4; WO2006133748A1

Designated contracting state (EPC)  
DE FR

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