

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ECHANGEUR DE CHALEUR

Publication  
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Application  
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Abstract (en)  
[origin: WO2005003670A1] A heat exchanger 1 comprises a refrigerant inlet-outlet tank 2, a refrigerant turn tank 3, and tube groups 5 in the form of at least two rows arranged between the two tanks 2, 3 and each comprising a plurality of heat exchange tubes 4. The refrigerant inlet-outlet tank 2 has its interior divided into a refrigerant inlet header chamber 13 and a refrigerant outlet header chamber 14. The refrigerant turn tank 3 has its interior divided by a divided flow control plate 44 into a refrigerant inflow header chamber 32 and a refrigerant outflow header chamber 33. The divided flow control plate 44 has refrigerant dam portions 45A, 45B at respective opposite end portions thereof, and a refrigerant passing portion 46 provided between the dam portions 45A, 45B and having one or at least two refrigerant passing holes 43. The heat exchanger 1 exhibits improved heat exchange performance when used as an evaporator.

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