

Title (en)  
PLATE TYPE HEAT EXCHANGER

Title (de)  
PLATTENWÄRMETAUSCHER

Title (fr)  
ECHANGEUR THERMIQUE DU TYPE A PLAQUES

Publication  
**EP 1085286 A4 20040616 (EN)**

Application  
**EP 00911295 A 20000323**

Priority  
• JP 0001762 W 20000323  
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• JP 7986099 A 19990324

Abstract (en)  
[origin: EP1085286A1] The present invention relates to a plate heat exchanger for exchanging heat between two fluids flowing alternately through adjacent fluid passages between piled plates. Two plates are piled as a set on each other at peripheries thereof to form a heat exchange element (2). Each of the two plates has a projection and a depression and is provided with opening portions (5) at both ends in a longitudinal direction thereof. A plurality of the heat exchange elements (2) are piled so that the opening portions (5) are aligned with each other. A space (11) between the two plates (3) forming the heat exchange element (2) defines a passage for a first fluid. A space (12) between the adjacent heat exchange elements (2) defines a passage for another fluid having heat exchange relationship with the first fluid. The plate (3) serves as a heat transfer surface for both of the fluids. The peripheral portions (4) of the heat exchange elements (2) are brought into contact with each other to form a sealed passage for the second fluid when the heat exchange elements (2) are piled on each other. <IMAGE> <IMAGE> <IMAGE>

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IPC 8 full level  
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