

Title (en)  
Plate heat exchanger

Title (de)  
Plattenwärmetauscher

Title (fr)  
Echangeur de chaleur à plaques

Publication  
**EP 0819907 B1 19990804 (DE)**

Application  
**EP 97111882 A 19970712**

Priority  
DE 19628561 A 19960716

Abstract (en)  
[origin: EP0819907A2] The exchanger (1) comprises individual heat exchanger plates stacked one in another and soldered to form a packet. Through this pass vertical connections for inflow and outflow channels (3) for a heating or cooling medium (A), and flow channels (4,5,6) for other media (B,C,D). From the flow channels, the heating or cooling medium and the other media diffuse into separated horizontal channels. The plate heat exchanger next to the flow channels for the heating and cooling medium has at least three further separated flow channels for the other media. The media can be fed in and/or out from opposite sides (19,20) of the plate heat exchanger. In the flow channels for the heat-exchanger medium (B) a separating component (7) is arranged for the separation of the second heat-exchanging medium (C), which can be fed in and out from the opposite side (20) of the plate heat exchanger.

IPC 1-7  
**F28D 9/00**

IPC 8 full level  
**F28D 9/00** (2006.01)

CPC (source: EP)  
**F28D 9/005** (2013.01); **F28D 9/0093** (2013.01)

Cited by  
EP1054225A4; EP1559980A1; CN114136127A; DE10021481A1; EP1152204A3; DE102013225321A1; CN106403669A; US7740058B2; EP1152204A2; US6530425B2

Designated contracting state (EPC)  
AT DE DK ES FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0819907 A2 19980121; EP 0819907 A3 19980506; EP 0819907 B1 19990804**; AT E182980 T1 19990815; DE 19628561 C1 19970904; DE 59700303 D1 19990909; DK 0819907 T3 20000207; ES 2137747 T3 19991216

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