

Title (en)  
Plate heat exchanger

Title (de)  
Plattenwärmetauscher

Title (fr)  
Échangeur thermique à plaques

Publication  
**EP 1593925 B1 20081203 (FR)**

Application  
**EP 05290951 A 20050429**

Priority  
FR 0404908 A 20040506

Abstract (en)  
[origin: EP1593925A1] The exchanger has hot fluid inlet and cold fluid outlet pipes (10, 12) connected to inlet and outlet of a circuit of bundle of plates (3) that is placed in an enclosure (2). Cold fluid inlet and hot fluid outlet pipes (20, 21) are connected to inlet and outlet of another bundle circuit placed in the enclosure. An inner envelope (25) channels cold fluid along enclosure's inner wall between the pipe (20) and inlet of the latter circuit.

IPC 8 full level  
**F28D 9/00** (2006.01); **F28F 9/00** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP US)  
**F28D 9/0006** (2013.01 - EP US); **F28F 9/005** (2013.01 - EP US); **F28F 9/22** (2013.01 - EP US); **F28F 2009/224** (2013.01 - EP US); **F28F 2250/102** (2013.01 - EP)

Citation (examination)  
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Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1593925 A1 20051109; EP 1593925 B1 20081203**; CN 1329706 C 20070801; CN 1693831 A 20051109; DE 602005011356 D1 20090115; FR 2869979 A1 20051111; FR 2869979 B1 20060804; JP 2005321189 A 20051117; JP 4549228 B2 20100922; US 2005247441 A1 20051110

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**EP 05290951 A 20050429**; CN 200510078324 A 20050429; DE 602005011356 T 20050429; FR 0404908 A 20040506; JP 2005134637 A 20050502; US 11973605 A 20050503