

Title (en)  
Plate heat exchanger

Title (de)  
Plattenwärmetauscher

Title (fr)  
Echangeur de chaleur à plaques

Publication  
**EP 1394491 A2 20040303 (EN)**

Application  
**EP 03017674 A 20030814**

Priority  
IT VR20020051 U 20020826

Abstract (en)  
A plate heat exchanger (1), comprising a plurality of mutually facing plates (2) that are hermetically coupled at at least one substantially peripheral portion (4) and form at least two separate circuits for at least two fluids, each one of said plurality of plates (2) having access ports that provide input ducts (3a) and output ducts (3b) for said at least two fluids, at least one portion (5) of at least one face of at least one of said plurality of plates (2) being uneven. <IMAGE>

IPC 1-7  
**F28D 9/00**; **F28F 3/08**

IPC 8 full level  
**F28D 9/00** (2006.01); **F28F 3/04** (2006.01); **F28F 13/18** (2006.01)

CPC (source: EP US)  
**F28D 9/005** (2013.01 - EP US); **F28F 3/046** (2013.01 - EP US); **F28F 13/185** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - EP US)

Citation (applicant)  
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Cited by  
JP2007532852A; EP3097752A4; US9091494B2; US9389028B2; US10224263B2; US9033026B2; US7032654B2; WO2012004100A1; WO2005098334A1; WO2009112031A3; WO2015110865A1; WO2005019754A1; EP1910764B1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 03017674 A 20030814**; AT 03017674 T 20030814; CA 2437780 A 20030820; DE 60327026 T 20030814; IT VR20020051 U 20020826; US 63943103 A 20030813