

Title (en)
HEAT EXCHANGER WITH SPECIFIC PLATES

Title (de)
WÄRMETAUSCHER MIT BESONDEREN PLATTEN

Title (fr)
ECHANGEUR DE CHALEUR A PLAQUES SPECIFIQUES

Publication
EP 1797386 B1 20080423 (FR)

Application
EP 05800230 A 20050923

Priority
• FR 2005050777 W 20050923
• FR 0452257 A 20041004

Abstract (en)
[origin: WO2006037912A1] The invention concerns a plate heat exchanger, comprising a plurality of plates (2-5) assembled to define between them fluid circulating channels (6-8). Each plate comprises undulations (25) or corrugations defined between apex lines of corrugations (35) and base lines of corrugations (32). At least one part of the plates comprises recessed (30, 31) and bump (33) deformations located between the apex and base lines of corrugations. Said exchanger is characterized by the positioning of said bumps and recesses relative to contact points (51, 54) between adjacent plates (48, 25) delimiting the channel.

IPC 8 full level
F28D 9/00 (2006.01); **F28F 3/04** (2006.01); **F28F 3/08** (2006.01)

CPC (source: EP)
F28F 3/04 (2013.01); **F28F 3/046** (2013.01); **F28F 3/083** (2013.01); **F28F 2215/10** (2013.01)

Cited by
CZ300999B6; CN109297975A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2876179 A1 20060407; **FR 2876179 B1 20070216**; AT E393368 T1 20080515; CN 100485300 C 20090506; CN 101036033 A 20070912; DE 602005006296 D1 20080605; DE 602005006296 T2 20090716; DK 1797386 T3 20080721; EP 1797386 A1 20070620; EP 1797386 B1 20080423; ES 2303279 T3 20080801; WO 2006037912 A1 20060413

DOCDB simple family (application)
FR 0452257 A 20041004; AT 05800230 T 20050923; CN 200580033789 A 20050923; DE 602005006296 T 20050923; DK 05800230 T 20050923; EP 05800230 A 20050923; ES 05800230 T 20050923; FR 2005050777 W 20050923