

Title (en)
Plate-like heat exchanger without casing

Title (de)
Gehäuseloser Plattenwärmetauscher

Title (fr)
Echangeur de chaleur à plaques sans carter

Publication
EP 1306638 B1 20060510 (DE)

Application
EP 02018513 A 20020816

Priority
DE 10152363 A 20011024

Abstract (en)
[origin: EP1306638A2] The heat exchanger has stacked heat exchanger plates (1) defining 2 sets of flow channels (7a,7b) for respective flow mediums, communicating with corresponding flow medium entry and exit points (9,10; 11,12), respectively positioned at the top and bottom and on opposite sides of the heat exchanger. An intermediate plate between the heat exchanger plates is provided by 2 dished partial plates (15a,15b), together defining a space communicating with the side entry and exit points, with separation of one flow medium from the other within this space.

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

CPC (source: EP US)
F28D 9/0012 (2013.01 - EP US); **F28D 9/005** (2013.01 - EP US); **F28F 9/0246** (2013.01 - EP US); **F28D 2021/0089** (2013.01 - EP US); **Y10S 165/916** (2013.01 - EP US)

Cited by
EP1901020A3; WO2005012819A1

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

DOCDB simple family (publication)
EP 1306638 A2 20030502; EP 1306638 A3 20040728; EP 1306638 B1 20060510; DE 10152363 A1 20030508; DE 50206736 D1 20060614; ES 2265011 T3 20070201; US 2003106679 A1 20030612; US 7007749 B2 20060307

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EP 02018513 A 20020816; DE 10152363 A 20011024; DE 50206736 T 20020816; ES 02018513 T 20020816; US 28033802 A 20021024