

Title (en)
A PLATE HEAT EXCHANGER

Title (de)
PLATTENWÄRMETAUSCHER

Title (fr)
ECHANGEUR THERMIQUE A PLAQUES

Publication
EP 2394129 A4 20130109 (EN)

Application
EP 09839772 A 20090204

Priority
SE 2009050110 W 20090204

Abstract (en)
[origin: WO2010090557A1] A plate heat exchanger comprises a plurality of heat exchanger plates (1). Each plate defines a longitudinal centre line (x) and includes a heat transfer area (20) comprising ridges (27) and valleys (27'). The ridges of one of the plates abut the valleys of an adjoining one of the plates to form a plurality of joining areas (28, 29). Each of the ridges and valleys has a V-shaped configuration with a first part (31) forming a positive angle with the centre line, a second part (32) forming a corresponding negative angle with the centre line, and a connection part (33) connecting the first part and the second part and extending along a curved path (35). Each connection part includes a projection (34) extending along the centre line outwardly from the curved path. The projections form a respective central joining area (29) at the centre line.

IPC 8 full level
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CPC (source: EP)
F28D 9/005 (2013.01); **F28F 3/046** (2013.01); **F28F 2275/04** (2013.01)

Citation (search report)

- [E] WO 2009112031 A2 20090917 - DANFOSS AS [DK], et al
- [E] WO 2009123519 A1 20091008 - ALFA LAVAL CORP AB [SE], et al
- [A] WO 2005098334 A1 20051020 - SWEP INT AB [SE], et al
- See references of WO 2010090557A1

Cited by
EP3800422A1; US10767933B2; WO2020141982A1; US11162736B2

Designated contracting state (EPC)
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