

Title (en)

Heat transfer plate, plate pair, plate stack, compact plate heat exchanger and its manufacturing process

Title (de)

Wärmeübertragungsplatte, Plattenpaar, Plattenpaket und Kompaktplattenwärmeüberträger sowie Verfahren zur Herstellung eines Kompaktplattenwärmeüberträgers

Title (fr)

Plaque d'échange de chaleur, paire de plaques, pile de plaques, échangeur de chaleur à plaques compactes et son procédé de fabrication

Publication

**EP 2136175 B1 20160622 (DE)**

Application

**EP 08011315 A 20080621**

Priority

EP 08011315 A 20080621

Abstract (en)

[origin: EP2136175A1] The plate (3) has a thermal active surface (17) limited on both sides by plate sections (12, 12a) with a passage opening (8, 9). The plate sections are formed outside the surface and diagonally offset to the plate. The plate sections are attached to the surface so that the surface flows directly over the opening. A circumferential profile-free welded edge (20) at front transitions (6, 6a) from the limitation of the surface to the plate sections and diagonally opposite edges (7, 7a) of the surface are formed with radii corresponding to a same radius that the plate sections revolves. An independent claim is also included for a compact plate heat exchanger with a profiled rectangular heat transfer plate.

IPC 8 full level

**F28D 9/00** (2006.01); **F28F 3/04** (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP)

**F28D 9/0006** (2013.01); **F28D 9/0043** (2013.01); **F28F 3/046** (2013.01); **F28F 9/00** (2013.01); **F28F 2225/02** (2013.01); **F28F 2275/06** (2013.01)

Cited by

US2017122668A1; DE102010046864A1; CN110461464A; EP2607830A1; US2016025419A1; US10066874B2; WO2016000812A1

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DOCDB simple family (publication)

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