

Title (en)

Compact plate heat exchanger

Title (de)

Kompaktplattenwärmeübertrager

Title (fr)

Échangeur de chaleur compact à plaques

Publication

EP 1936311 B1 20131002 (DE)

Application

EP 06026846 A 20061223

Priority

EP 06026846 A 20061223

Abstract (en)

[origin: EP1936311A1] Rectangular profiled heat-transferring plates are confined by arched head parts (6,7) with holes (8,9) in their centers and welded to pairs of plates on a periphery. On the holes, the pairs of plates are welded to a welded stack of plates. In one of these stacks there is a filler (29,29a) inserted, which covers the length of the inner surfaces of parallel side parts (23,23a). In a casing's (1) in- and outflow areas, the filler is covered with a deflective metal sheet (30).

IPC 8 full level

F28D 9/00 (2006.01); **F28F 3/04** (2006.01); **F28F 9/00** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)

F28D 9/0043 (2013.01); **F28D 9/0093** (2013.01); **F28F 3/046** (2013.01); **F28F 9/00** (2013.01); **F28F 9/005** (2013.01); **F28F 9/26** (2013.01); **F28F 2225/02** (2013.01); **F28F 2250/102** (2013.01)

Citation (examination)

- DE 3902786 A1 19900802 - LAENGERER & REICH KUEHLER [DE]
- GB 2426322 A 20061122 - TATE MICHAEL [GB]
- US 6016865 A 20000125 - BLOMGREN RALF [SE]

Cited by

CN103620334A; ITPD20100054A1; CN112639386A; FR2995672A1; EP4086556A1; FR3122728A1; EP2136175A1; US2022026160A1; US10048021B2; US11519678B2; WO2012051994A3; WO2014044943A1

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