

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

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

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)

EP 1936311 A1 20080625; EP 1936311 B1 20131002

DOCDB simple family (application)

EP 06026846 A 20061223