

Title (en)

HEAT EXCHANGER WITH WELDED HEAT EXCHANGE PLATES

Title (de)

WÄRMETAUSCHER MIT GESCHWEISSTEN WÄRMETAUSCHPLATTEN

Title (fr)

ECHANGEUR DE CHALEUR A PLAQUES D'ECHANGE SOUDEES

Publication

EP 2021720 B1 20090923 (FR)

Application

EP 07731433 A 20070510

Priority

- FR 2007000792 W 20070510
- FR 0604244 A 20060512

Abstract (en)

[origin: US2010132929A1] The heat exchanger comprises metal plates (6, 7) which have been press-formed and assembled in pairs by welding two opposite sides to make modular elements (2) that are stacked and which define two independent circuits for a first and a second fluid. The two metal plates (6, 7) of the modular element (2) are set flatly against each other over a predefined width (L) and are joined by solder (12) along this width and meant to ensure the mechanical cohesion of the assembly and by another solder (13) performed along the external edges of the plates and ensuring their sealing. The ends of the plates (6, 7) are welded to opposite connection partitions forming an exchange block which is itself mounted on four corner posts of the heat exchanger body.

IPC 8 full level

F28D 9/00 (2006.01)

CPC (source: EP KR US)

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