

Title (en)

HEAT EXCHANGER HAVING WELDED PLATES, AND PLATE FORMING A COMPONENT OF SUCH A HEAT EXCHANGER

Title (de)

WÄRMETAUSCHER MIT GESCHWEISSTEN PLATTEN UND EINEN BESTANDTEIL EINES SOLCHEN WÄRMETAUSCHERS FORMENDE PLATTE

Title (fr)

ECHANGEUR DE CHALEUR A PLAQUES SOUDEES, ET PLAQUE CONSTITUTIVE D'UN TEL ECHANGEUR

Publication

EP 2635867 B1 20211117 (FR)

Application

EP 11802458 A 20111031

Priority

- FR 1059128 A 20101105
- FR 2011052552 W 20111031

Abstract (en)

[origin: WO2012059683A1] The invention relates to a heat exchanger which includes prestamped metal plates (1, 2) assembled, by welding, two-by-two on two opposite sides thereof so as to form stacked modular elements defining two separate circuits for two fluids, respectively. The plates comprise, on the broad side thereof, parallel ribs (4, 5) giving said plates a corrugated profile, as well as bosses (6), the tops (7) of which are located in the plane that contains the bases or tops of the ribs. The tops (7) of the bosses (6) of one plate (1) are welded to the tops of the corresponding bosses of another plate (2). The heat exchanger thus combines the features and advantages of ribbed plates and clad plates. The invention also relates to a plate (1, 2) forming a component of such a heat exchanger.

IPC 8 full level

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

CPC (source: EP)

F28D 9/0037 (2013.01); **F28F 3/046** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012059683 A1 20120510; EP 2635867 A1 20130911; EP 2635867 B1 20211117; ES 2901707 T3 20220323; FR 2967247 A1 20120511; FR 2967247 B1 20121102; PT 2635867 T 20220107

DOCDB simple family (application)

FR 2011052552 W 20111031; EP 11802458 A 20111031; ES 11802458 T 20111031; FR 1059128 A 20101105; PT 11802458 T 20111031