

Title (en)

HEAT EXCHANGER AND PLATES FOR THE EXCHANGER

Title (de)

WÄRMETAUSCHER UND PLATTEN FÜR DEN WÄRMETAUSCHER

Title (fr)

ECHANGEUR DE CHALEUR ET LAME POUR L'ECHANGEUR

Publication

EP 2553375 A1 20130206 (FR)

Application

EP 11713724 A 20110328

Priority

- FR 1052406 A 20100331
- EP 2011054753 W 20110328

Abstract (en)

[origin: WO2011120934A1] The invention relates to a heat exchanger comprising a casing (2) inside which is housed, and fastened by brazing, a heat exchange assembly (3) comprising a stack of heat exchange plates, each plate (4) having at least one edge (14) for brazing to the casing (2). The heat exchanger is characterized by the fact that it includes means, called unfastening means (20, 21, 22, 23), designed to prevent the casing from being brazed to at least a portion of the edge (14) of at least one end plate (4E) of the stack (3). By virtue of the invention, the heat exchanger is more flexible and absorbs thermal stresses better.

IPC 8 full level

F28D 9/00 (2006.01)

CPC (source: EP KR US)

F28D 1/00 (2013.01 - KR); **F28D 9/00** (2013.01 - KR); **F28D 9/0043** (2013.01 - EP US); **F28D 9/0056** (2013.01 - EP US);
F28F 1/00 (2013.01 - KR); **F28F 3/00** (2013.01 - KR); **F28F 3/02** (2013.01 - KR); **F28F 3/08** (2013.01 - US); **F28F 9/12** (2013.01 - KR);
F28D 2021/0082 (2013.01 - EP US); **F28F 2265/26** (2013.01 - EP US); **F28F 2275/04** (2013.01 - EP US); **Y10T 428/24777** (2015.01 - EP US)

Citation (search report)

See references of WO 2011120934A1

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 2011120934 A1 20111006; EP 2553375 A1 20130206; EP 2553375 B1 20190220; ES 2726951 T3 20191010; FR 2958389 A1 20111007;
FR 2958389 B1 20120713; JP 2013524144 A 20130617; KR 101814226 B1 20180102; KR 20130023229 A 20130307; PL 2553375 T3 20190830;
TR 201907195 T4 20190621; US 2013092360 A1 20130418; US 9797663 B2 20171024

DOCDB simple family (application)

EP 2011054753 W 20110328; EP 11713724 A 20110328; ES 11713724 T 20110328; FR 1052406 A 20100331; JP 2013501799 A 20110328;
KR 20127028499 A 20110328; PL 11713724 T 20110328; TR 201907195 T 20110328; US 201113638321 A 20110328