

Title (en)

COLLECTOR PLATE FOR A HEAT EXCHANGER, AND HEAT EXCHANGER INCLUDING SUCH A PLATE

Title (de)

SAMMELPLATTE FÜR EINEN WÄRMETAUSCHER UND WÄRMETAUSCHER MIT SOLCH EINER PLATTE

Title (fr)

PLAQUE COLLECTRICE POUR ECHANGEUR DE CHALEUR ET ECHANGEUR DE CHALEUR COMPORTANT UNE TELLE PLAQUE

Publication

EP 2344830 B1 20120829 (FR)

Application

EP 09745043 A 20091102

Priority

- EP 2009064475 W 20091102
- FR 0806185 A 20081106

Abstract (en)

[origin: WO2010052194A1] The invention relates to a collector plate (10) for a heat exchanger, comprising a web (12) with openings for the passage of the pipes of the heat exchanger and a groove (14), referred to as a groove for receiving the lid of a collecting box, capable of receiving a seal (104) and a portion of the lid and having a base (18) and two respectively inner (16) and outer (20) flanges connected to the base (18). According to the invention, the inner flange (16) is connected to the web (14) and is subdivided into at least two separate sections, said two separate sections being separated by at least one recess (30), and the recess (30) between two separate portions of said inner flange (16) being located at least at the location of a collector plate (10) for receiving a bent portion of the seal. The invention also relates to a heat exchanger including such a plate, and can particularly be used in the automotive industry.

IPC 8 full level

F28F 9/02 (2006.01)

CPC (source: EP US)

F28F 9/0226 (2013.01 - EP US)

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

FR 2938052 A1 20100507; FR 2938052 B1 20130426; EP 2344830 A1 20110720; EP 2344830 B1 20120829; PL 2344830 T3 20130430; US 2012097379 A1 20120426; US 9297594 B2 20160329; WO 2010052194 A1 20100514

DOCDB simple family (application)

FR 0806185 A 20081106; EP 09745043 A 20091102; EP 2009064475 W 20091102; PL 09745043 T 20091102; US 200913127867 A 20091102