

Title (en)

COLLECTING BOX FOR A HEAT EXCHANGER OF A MOTOR VEHICLE AIR-CONDITIONING CIRCUIT, AND HEAT EXCHANGER COMPRISING SUCH A COLLECTING BOX

Title (de)

SAMMELBEHÄLTER FÜR EINEN WÄRMETAUSCHER EINES KRAFTFAHRZEUGKLIMATISIERUNGSKREISES UND WÄRMETAUSCHER MIT EINEM DERARTIGEN SAMMELBEHÄLTER

Title (fr)

BOITE COLLECTRICE POUR ÉCHANGEUR DE CHALEUR DE CIRCUIT DE CLIMATISATION DE VÉHICULE AUTOMOBILE ET ÉCHANGEUR DE CHALEUR COMPRENANT UNE TELLE BOITE COLLECTRICE

Publication

EP 3274644 B1 20190306 (FR)

Application

EP 16714808 A 20160324

Priority

- FR 1552440 A 20150324
- EP 2016056532 W 20160324

Abstract (en)

[origin: WO2016151082A1] A collecting box 1, in particular for a heat exchanger of a motor vehicle air-conditioning circuit, comprising at least two inlet/outlet chambers 13, 14 of the collecting box 1 and two collecting chambers 19, 20, said collecting chambers 19, 20 being designed to be connected to tubes of a heat exchanger bundle of said exchanger, said collecting chambers 19, 20 extending in a main longitudinal extension direction and having a dimension, referred to as width, measured in a direction orthogonal to said longitudinal direction, each of the inlet/outlet chambers 13, 14 being connected to one of said collecting chambers 19, 20 and provided with an inlet/outlet opening 11, 12 of the collecting box 1, the inlet/outlet opening 12 of one of the inlet/outlet chambers 13, 14, referred to as enlarged opening, having a dimension, referred to as width, in the direction of the width of the collecting chambers 19, 20, that is greater than the width of the collecting chamber 19, 20 to which said inlet/outlet chamber 13, 14 is connected. The invention also concerns a heat exchanger comprising such a collecting box 1.

IPC 8 full level

F28F 9/02 (2006.01); **F28D 1/053** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP)

F28D 1/05375 (2013.01); **F28D 1/05383** (2013.01); **F28D 1/05391** (2013.01); **F28F 9/0204** (2013.01); **F28F 9/0246** (2013.01); **F28F 9/0263** (2013.01); **F28D 2021/0085** (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 2016151082 A1 20160929; EP 3274644 A1 20180131; EP 3274644 B1 20190306; FR 3034183 A1 20160930; FR 3034183 B1 20180427

DOCDB simple family (application)

EP 2016056532 W 20160324; EP 16714808 A 20160324; FR 1552440 A 20150324