

Title (en)

COLLECTOR BOX AND HEAT EXCHANGER FITTED WITH SUCH A BOX

Title (de)

KOLLEKTORBOX UND MIT EINER DERARTIGEN BOX AUSGESTATTETER WÄRMETAUSCHER

Title (fr)

BOITE COLLECTRICE ET ECHANGEUR DE CHALEUR EQUIPE D'UNE TELLE BOITE

Publication

EP 2502017 B1 20200415 (FR)

Application

EP 10773349 A 20101108

Priority

- FR 0905548 A 20091119
- EP 2010067009 W 20101108

Abstract (en)

[origin: WO2011061085A1] The invention relates to a collector plate (18) including a bottom (40), provided with openings (17) for receiving the tubes (10) of a heat exchanger tube bundle (8), and a peripheral edge (21), raised from said bottom (40), said plate also having a plurality of reinforcing ribs (30). According to the invention, said ribs extend from the raised peripheral edge (21) to said bottom (40) and have a rectilinear and/or convex profile along a plane that is oriented in an orthogonal manner to said raised edge (21) and said bottom (40).

IPC 8 full level

F28F 9/02 (2006.01)

CPC (source: EP)

F28F 9/0226 (2013.01); **F28D 1/05366** (2013.01); **F28F 2225/08** (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)

FR 2952711 A1 20110520; FR 2952711 B1 20120120; BR 112012011972 A2 20160510; BR 112012011972 B1 20200505; CN 102753928 A 20121024; CN 102753928 B 20160120; EP 2502017 A1 20120926; EP 2502017 B1 20200415; IN 4899DEN2012 A 20150925; MX 2012005798 A 20120801; WO 2011061085 A1 20110526

DOCDB simple family (application)

FR 0905548 A 20091119; BR 112012011972 A 20101108; CN 201080061845 A 20101108; EP 10773349 A 20101108; EP 2010067009 W 20101108; IN 4899DEN2012 A 20120604; MX 2012005798 A 20101108