

Title (en)
HEAT-EXCHANGER HEADER AND HEAT EXCHANGER PROVIDED THEREWITH

Title (de)
WÄRMETAUSCHERKOPF UND WÄRMETAUSCHER DAMIT

Title (fr)
COLLECTEUR D'ÉCHANGEUR DE CHALEUR ET ÉCHANGEUR DE CHALEUR LE COMPORTANT

Publication
EP 2865983 A1 20150429 (EN)

Application
EP 13780882 A 20130423

Priority
• JP 2012002879 W 20120426
• JP 2013061858 W 20130423

Abstract (en)
A heat exchanger header for a heat exchanger in which refrigerant is flowed in parallel through a plurality of flat tubes 30 disposed in parallel includes a header main body 11 in which a plurality of through-holes 12 to which ends of the plurality of flat tubes 30 are connected are arranged side by side in a longitudinal direction, and a lid body 13 that faces the plurality of through-holes 12 of the header main body 11 and is joined to the header main body 11. At least one chamber communicating with the plurality of through-holes 12 and serving as a refrigerant flow passage is formed between the header main body 11 and the lid body 13. Each of the plurality of through-holes 12 is an inlet side through-hole or an outlet side through-hole to which a refrigerant inlet side end or a refrigerant outlet side end of the plurality of flat tubes 30 is connected. In a part of the lid body 13 that faces the inlet side through-holes, a plurality of grooves extending in the longitudinal direction of the lid body 13 are formed in a lateral direction perpendicular to the longitudinal direction.

IPC 8 full level
F28F 9/02 (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP US)
F28D 7/16 (2013.01 - US); **F28F 9/02** (2013.01 - US); **F28F 9/0265** (2013.01 - EP US); **F28F 9/0268** (2013.01 - EP US);
F28D 2021/0071 (2013.01 - EP US); **F28F 2009/0292** (2013.01 - EP US)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2015053384 A1 20150226; CN 104285121 A 20150114; CN 104285121 B 20161012; CN 203464829 U 20140305; EP 2865983 A1 20150429;
EP 2865983 A4 20160525; EP 2865983 B1 20210714; ES 2883139 T3 20211207; WO 2013160956 A1 20131031; WO 2013161795 A1 20131031

DOCDB simple family (application)
US 201314394124 A 20130423; CN 201320216136 U 20130426; CN 201380025220 A 20130423; EP 13780882 A 20130423;
ES 13780882 T 20130423; JP 2012002879 W 20120426; JP 2013061858 W 20130423