

Title (en)
HEAT EXCHANGER AND AIR CONDITIONER

Title (de)
WÄRMETAUSCHER UND KLIMAAANLAGE

Title (fr)
ÉCHANGEUR DE CHALEUR ET CLIMATISEUR

Publication
EP 3382316 A4 20181205 (EN)

Application
EP 17759688 A 20170217

Priority
• JP 2016038328 A 20160229
• JP 2017005921 W 20170217

Abstract (en)
[origin: EP3382316A1] Provided is a heat exchanger which is equipped with first heat transfer tubes (21), a first header (52), second heat transfer tubes (23), a second header (53), and a plurality of communication paths (61, 71) that each have one end connected to the first header (52) and the other end connected to the second header (53) so as to allow communication between the first header (52) and the second header (53). The height positions where said ends of the communication paths (61, 71) are connected to the first header (52) are the same as each other. The height positions where the other ends of the communication paths (61, 71) are connected to the second header (53) are different from each other.

IPC 8 full level
F28F 9/02 (2006.01); **F25B 39/02** (2006.01)

CPC (source: EP)
F25B 39/02 (2013.01); **F28D 1/05391** (2013.01); **F28F 9/0204** (2013.01); **F28F 9/027** (2013.01); **F28D 2021/0068** (2013.01); **F28F 2250/06** (2013.01)

Citation (search report)
• [A] EP 2660550 A1 20131106 - DAIKIN IND LTD [JP]
• [A] WO 2015045564 A1 20150402 - DAIKIN IND LTD [JP]
• See references of WO 2017150219A1

Cited by
US11808496B2; US11181305B2

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)
EP 3382316 A1 20181003; EP 3382316 A4 20181205; EP 3382316 B1 20190828; AU 2017226110 A1 20180712; AU 2017226110 B2 20200416; CN 108474633 A 20180831; JP 2017155990 A 20170907; JP 6611335 B2 20191127; WO 2017150219 A1 20170908

DOCDB simple family (application)
EP 17759688 A 20170217; AU 2017226110 A 20170217; CN 201780005081 A 20170217; JP 2016038328 A 20160229; JP 2017005921 W 20170217