

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Échangeur de chaleur

Publication
EP 2930454 A1 20151014 (EN)

Application
EP 15152013 A 20150121

Priority
KR 20140014217 A 20140207

Abstract (en)
A heat exchanger is provided. The heat exchanger includes a refrigerant tube through which a refrigerant flows, the refrigerant tube being arranged in a plurality of rows, a first header on which a refrigerant inflow part is disposed, the first header being coupled to one side of the plurality of refrigerant tubes, a first partition part for partitioning an inner space of the first header, a second header on which a refrigerant discharge part is disposed, the second header being coupled to the other side of the plurality of refrigerant tubes, a second partition part for partitioning an inner space of the second header, and a baffle coupled to the first or second partition part, the baffle guiding a flow of the refrigerant from the header to the plurality of refrigerant tubes. The refrigerant discharge part of the second header is disposed lower than the refrigerant inflow part of the first header.

IPC 8 full level
F28D 1/053 (2006.01); **F28F 9/02** (2006.01); **F28F 9/22** (2006.01)

CPC (source: CN EP US)
F25B 39/00 (2013.01 - CN); **F28D 1/05391** (2013.01 - EP US); **F28F 9/0204** (2013.01 - EP US); **F28F 9/028** (2013.01 - EP US)

Citation (search report)
• [X] WO 2012150768 A1 20121108 - HALLA CLIMATE CONTROL CORP [KR], et al
• [X] WO 2013162222 A1 20131031 - LG ELECTRONICS INC [KR]
• [A] EP 2660549 A2 20131106 - LG ELECTRONICS INC [KR]
• [A] EP 1703232 A1 20060920 - CALSONIC KANSEI CORP [JP]

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 2015226498 A1 20150813; CN 104833136 A 20150812; CN 104833136 B 20170905; EP 2930454 A1 20151014; EP 2930454 B1 20220406; KR 102170312 B1 20201026; KR 20150093441 A 20150818

DOCDB simple family (application)
US 201514601578 A 20150121; CN 201410720049 A 20141202; EP 15152013 A 20150121; KR 20140014217 A 20140207