

Title (en)
A REFRIGERANT DISTRIBUTING DEVICE, AND HEAT EXCHANGER EQUIPPED WITH SUCH A REFRIGERANT DISTRIBUTING DEVICE

Title (de)
KÄLTEMITTELVERTEILER UND WÄRMETAUSCHER MIT DEM KÄLTEMITTELVERTEILER

Title (fr)
DISTRIBUTEUR DE FLUIDE RÉFRIGÉRANT, ET ÉCHANGEUR DE CHALEUR ÉQUIPÉ AVEC LE DISTRIBUTEUR DE FLUIDE RÉFRIGÉRANT

Publication
EP 2853843 A1 20150401 (EN)

Application
EP 12875000 A 20120426

Priority
JP 2012002860 W 20120426

Abstract (en)
A header 10a that has a configuration in which the header 10a is connected to one end of each of a plurality of flattened pipes 20 of a heat exchanger 1 that flows a refrigerant in parallel to the plurality of flattened pipes 20 disposed in parallel and an interior of the header 10a is divided by one or more division plates 11 in a parallel direction in which the plurality of heat-transfer pipes 20 are disposed in parallel, the header 10a being mounted so as to stand in an up-down direction, and a distributor 40 configured to distribute the refrigerant to each chamber within the header 10a divided by the division plates 11, are provided.

IPC 8 full level
F25B 41/00 (2006.01); **F25B 39/02** (2006.01); **F25B 39/04** (2006.01); **F28D 1/04** (2006.01); **F28D 1/053** (2006.01); **F28D 21/00** (2006.01); **F28F 9/02** (2006.01)

CPC (source: CN EP US)
F25B 39/028 (2013.01 - EP US); **F25B 39/04** (2013.01 - EP US); **F25B 41/00** (2013.01 - CN); **F25B 41/42** (2021.01 - EP); **F28D 1/0417** (2013.01 - US); **F28F 9/0202** (2013.01 - US); **F28F 9/0209** (2013.01 - CN EP US); **F28F 9/027** (2013.01 - EP US); **F28F 9/0273** (2013.01 - CN); **F25B 2339/044** (2013.01 - EP US); **F28D 1/053** (2013.01 - EP US); **F28D 2021/0071** (2013.01 - EP US)

Cited by
CN112567193A; EP3884232A4; WO2020180110A1; US11698234B2

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 2853843 A1 20150401; **EP 2853843 A4 20160224**; **EP 2853843 B1 20200311**; CN 104272040 A 20150107; CN 104272040 B 20160615; CN 203274373 U 20131106; ES 2784132 T3 20200922; JP 5901748 B2 20160413; JP WO2013160952 A1 20151221; US 2015101363 A1 20150416; WO 2013160952 A1 20131031

DOCDB simple family (application)
EP 12875000 A 20120426; CN 201280072638 A 20120426; CN 201320217831 U 20130426; ES 12875000 T 20120426; JP 2012002860 W 20120426; JP 2014512021 A 20120426; US 201214395875 A 20120426