

Title (en)

HEAT EXCHANGER AND REFRIGERATION CYCLE DEVICE PROVIDED THEREWITH

Title (de)

WÄRMETAUSCHER UND KÄLTEKREISLAUFVORRICHTUNG DAMIT

Title (fr)

ÉCHANGEUR DE CHALEUR ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION ÉQUIPÉ DE CET ÉCHANGEUR

Publication

EP 2706317 A1 20140312 (EN)

Application

EP 11865155 A 20110506

Priority

JP 2011002550 W 20110506

Abstract (en)

A compact, readily-manufacturable heat exchanger and a refrigeration cycle apparatus equipped with the same are provided. One of opposite ends of a main body (10) in a refrigerant flowing direction is provided with a first inlet communication hole (3a) that extends in a direction of arrangement of first refrigerant channels (1a) and that communicates with all of the first refrigerant channels (1a). The other end is provided with a first outlet communication hole (4a) that extends in the direction of arrangement of the first refrigerant channels (1a) and that communicates with all of the first refrigerant channels (1a).

IPC 8 full level

F28D 7/00 (2006.01); **F28F 7/02** (2006.01); **F25B 7/00** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP US)

F25B 7/00 (2013.01 - EP US); **F28F 1/00** (2013.01 - US); **F28F 7/02** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F28D 7/0008** (2013.01 - EP US); **F28F 21/081** (2013.01 - EP US); **F28F 2255/16** (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

DOCDB simple family (publication)

EP 2706317 A1 20140312; **EP 2706317 A4 20141119**; **EP 2706317 B1 20180620**; CN 103502762 A 20140108; CN 103502762 B 20160511; JP 5758991 B2 20150805; JP WO2012153360 A1 20140728; US 2014144611 A1 20140529; WO 2012153360 A1 20121115

DOCDB simple family (application)

EP 11865155 A 20110506; CN 201180070664 A 20110506; JP 2011002550 W 20110506; JP 2013513821 A 20110506; US 201114115995 A 20110506