

Title (en)

HEAT EXCHANGER AND METHOD FOR A REFRIGERATION SYSTEM

Title (de)

WÄRMETAUSCHER UND VERFAHREN FÜR EINEN KÄLTEKREISLAUF

Title (fr)

DISPOSITIF ÉCHANGEUR DE CHALEUR ET PROCÉDÉ POUR UN CIRCUIT DE RÉFRIGÉRATION

Publication

**EP 2198215 B1 20190522 (EN)**

Application

**EP 07838285 A 20070914**

Priority

US 2007020057 W 20070914

Abstract (en)

[origin: WO2009035440A1] A mini-channel heat-exchanger for a refrigeration circuit having an inlet manifold; a first return manifold; a first heat exchange pass in fluid communication between the inlet manifold and the first return manifold, the first heat exchange pass including a plurality of mini-channels; and a system charge tank in direct fluid communication with the first return manifold.

IPC 8 full level

**F25B 39/00** (2006.01); **F25B 45/00** (2006.01); **F25B 13/00** (2006.01); **F28D 1/053** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP US)

**F25B 39/00** (2013.01 - EP US); **F25B 45/00** (2013.01 - EP US); **F28D 1/05391** (2013.01 - EP US); **F25B 13/00** (2013.01 - EP US); **F25B 2400/16** (2013.01 - EP US); **F25B 2400/19** (2013.01 - EP US); **F25B 2500/06** (2013.01 - EP US); **F28D 2021/0063** (2013.01 - EP US)

Citation (examination)

- EP 1150076 A2 20011031 - DENSO CORP [JP]
- CN 2606005 Y 20040310 - DEERFU VEHICLE AIR CONDITIONER [CN]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2009035440 A1 20090319**; CN 102016455 A 20110413; CN 102016455 B 20130821; EP 2198215 A1 20100623; EP 2198215 A4 20131211; EP 2198215 B1 20190522; ES 2728398 T3 20191024; HK 1156390 A1 20120608; US 2011005243 A1 20110113

DOCDB simple family (application)

**US 2007020057 W 20070914**; CN 200780100636 A 20070914; EP 07838285 A 20070914; ES 07838285 T 20070914; HK 11110651 A 20111007; US 67742710 A 20100310