

Title (en)

METHOD FOR DETERMINING A CONFIGURATION OF A HEAT EXCHANGER

Title (de)

VERFAHREN ZUR BESTIMMUNG EINER KONFIGURATION EINES WÄRMETAUSCHERS

Title (fr)

PROCÉDÉ DE DÉTERMINATION D'UNE CONFIGURATION D'UN ÉCHANGEUR DE CHALEUR

Publication

EP 2613116 B1 20190109 (EN)

Application

EP 11821559 A 20110817

Priority

- JP 2010195658 A 20100901
- JP 2011068610 W 20110817

Abstract (en)

[origin: US2013043014A1] Provided is a heat exchanger whose air pressure loss is small and whose exchanged heat is large. The heat exchanger includes flat tubes, each having therein a plurality of refrigerant circulation holes, and fins fixed to the flat surfaces of the flat tubes, wherein the flat tubes and the fins are alternately stacked to form the heat exchanger.

IPC 8 full level

F28F 1/02 (2006.01); **F25B 39/04** (2006.01); **F28D 1/053** (2006.01); **F28F 1/12** (2006.01); **F28F 1/30** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP US)

F28D 1/05391 (2013.01 - EP US); **F28F 1/022** (2013.01 - EP US); **F28F 1/126** (2013.01 - EP US); **F28D 2021/0084** (2013.01 - EP US)

Citation (examination)

US 2004261983 A1 20041230 - HU ZAIQIAN [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)

US 2013043014 A1 20130221; CN 103038596 A 20130410; CN 103038596 B 20150325; EP 2613116 A1 20130710; EP 2613116 A4 20150114; EP 2613116 B1 20190109; JP 2012052732 A 20120315; JP 5562769 B2 20140730; WO 2012029542 A1 20120308

DOCDB simple family (application)

US 201113695106 A 20110817; CN 201180021737 A 20110817; EP 11821559 A 20110817; JP 2010195658 A 20100901; JP 2011068610 W 20110817