

Title (en)

HEAT EXCHANGER AND REFRIGERATION CYCLE APPARATUS

Title (de)

WÄRMETAUSCHER UND KÜHLZYKLUS-VORRICHTUNG

Title (fr)

ECHANGEUR THERMIQUE ET APPAREIL À CYCLE DE RÉFRIGÉRATION

Publication

**EP 2128550 A1 20091202 (EN)**

Application

**EP 08722830 A 20080326**

Priority

- JP 2008055665 W 20080326
- JP 2007085385 A 20070328

Abstract (en)

Heat exchangers 40, 40a, 40b for performing heat exchange between a refrigerant and air include fins 45, 45a, 45b for heat transfer, each of which has fine pores each having a diameter ranging from 1 to 3.5 nm for adsorbing water contained in the air by a capillary condensation phenomenon. Preferably, the fine pores are distributed having a different diameter in accordance with the position of the fins 45, 45a, 45b on the surface.

IPC 8 full level

**F28F 1/32** (2006.01); **F24F 1/0063** (2019.01); **F24F 3/14** (2006.01); **F24F 11/02** (2006.01); **F25B 1/00** (2006.01); **F25B 5/00** (2006.01); **F25B 5/02** (2006.01)

CPC (source: EP US)

**F24F 1/0063** (2019.01 - EP US); **F24F 1/027** (2013.01 - EP US); **F24F 3/14** (2013.01 - EP US); **F24F 11/65** (2017.12 - EP US); **F24F 13/222** (2013.01 - EP US); **F28F 1/32** (2013.01 - EP US); **F28F 13/187** (2013.01 - EP US); **F28F 17/005** (2013.01 - EP US); **F24F 11/30** (2017.12 - EP US); **F24F 2011/0002** (2013.01 - EP US); **F24F 2110/20** (2017.12 - EP US)

Cited by

EP2462955A3; EP2462954A3; US9717816B2; US8425853B2; US8668813B2

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DOCDB simple family (publication)

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