

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 B1 20180110 (EN)

Application
EP 08722830 A 20080326

Priority

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Abstract (en)
[origin: EP2128550A1] 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); **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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