

Title (en)

HEAT EXCHANGER AND REFRIGERATION CYCLE DEVICE

Title (de)

WÄRMETAUSCHER UND KÄLTEKREISLAUFVORRICHTUNG

Title (fr)

ÉCHANGEUR DE CHALEUR ET DISPOSITIF À CYCLE FRIGORIFIQUE

Publication

EP 4368918 A1 20240515 (EN)

Application

EP 21949290 A 20210707

Priority

JP 2021025606 W 20210707

Abstract (en)

A heat exchanger (HE) includes: a first heat transfer portion (HP1) having a plurality of first heat transfer tubes (T1); and a zeotropic refrigerant flowing through the plurality of first heat transfer tubes (T1) of the first heat transfer portion (HP1). The plurality of first heat transfer tubes (T1) are arranged in a line. The first heat transfer portion (HP1) has the plurality of first heat transfer tubes (T1) arranged to allow flow of the zeotropic refrigerant flowing through the plurality of first heat transfer tubes (T1) to be orthogonal to flow of air flowing across the first heat transfer portion (HP1).

IPC 8 full level

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CPC (source: EP)

F25B 39/00 (2013.01); **F28D 1/0478** (2013.01); **F28D 1/05391** (2013.01); **F28F 9/0275** (2013.01); **F28F 1/126** (2013.01); **F28F 1/32** (2013.01)

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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