

Title (en)

HEAT EXCHANGER COMPRISING A LIQUID-REFRIGERANT DISTRIBUTION DEVICE

Title (de)

WÄRMETAUSCHER MIT EINER FLÜSSIGKEITSKÜHLMITTELVERTEILVORRICHTUNG

Title (fr)

ECHANGEUR DE CHALEUR COMPRENANT UN DISPOSITIF DE DISTRIBUTION DE LIQUIDE FRIGORIGENE

Publication

EP 3254045 A1 20171213 (FR)

Application

EP 16703139 A 20160205

Priority

- FR 1550960 A 20150206
- EP 2016052524 W 20160205

Abstract (en)

[origin: WO2016124748A1] This heat exchanger (2) comprises: - parallel plates (11, 12) which define liquid-refrigerant passages (20) following a longitudinal direction (X), and - fins (21, 22, 23, 24) extending in each passage (20) in a lateral direction (Y) orthogonal to the longitudinal direction (X), each fin (21, 22, 23, 24) having orifices for the flow of the liquid refrigerant. At least one lower portion of at least one fin (21, 22, 23, 24) defines, with the plate secured to this lower portion, a distribution channel for channelling the liquid refrigerant in the lateral direction (Y). The orifices in said at least one fin (21, 22, 23, 24) are formed by overflow openings in the upper portion. The liquid refrigerant flows through the overflow openings when the or each distribution channel is full of liquid refrigerant.

IPC 8 full level

F28F 9/02 (2006.01); **F25J 3/04** (2006.01); **F25J 5/00** (2006.01); **F28D 9/00** (2006.01); **F28F 9/22** (2006.01)

CPC (source: CN EP US)

F25J 3/04636 (2013.01 - US); **F25J 5/005** (2013.01 - CN EP US); **F28D 9/0062** (2013.01 - CN EP US); **F28F 9/0273** (2013.01 - CN EP US); **F28F 9/0278** (2013.01 - EP US); **F28F 9/22** (2013.01 - CN EP US); **F25J 2250/02** (2013.01 - CN EP US); **F25J 2250/04** (2013.01 - CN EP US); **F25J 2290/32** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016124748A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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