

Title (en)

HEAT EXCHANGER AND REFRIGERANT CIRCUIT

Title (de)

WÄRMEÜBERTRAGER UND KÄLTEMITTELKREISLAUF

Title (fr)

ÉCHANGEUR THERMIQUE ET CIRCUIT DE REFOUDDISSEMENT

Publication

EP 4244549 A1 20230920 (DE)

Application

EP 21810302 A 20211108

Priority

- DE 102020130061 A 20201113
- EP 2021080954 W 20211108

Abstract (en)

[origin: WO2022101140A1] The invention relates to a heat exchanger, comprising: - a refrigerant distributor located at the input side of the heat exchanger; - at least one nozzle element which extends from the refrigerant distributor and delimits a mass flow of the refrigerant; - at least one heat exchanger channel which is attached to the at least one nozzle element and extends in a heat exchanger body; and - a refrigerant collector, which is attached to the at least one heat exchanger channel on the side thereof that is opposite the nozzle element, and which is located at the output side of the heat exchanger.

IPC 8 full level

F25B 9/00 (2006.01)

CPC (source: EP)

F25B 9/008 (2013.01); **F25B 39/028** (2013.01); **F28D 1/05316** (2013.01); **F28D 1/05366** (2013.01); **F28D 7/106** (2013.01); **F28D 9/005** (2013.01); **F28F 1/006** (2013.01); **F28F 1/025** (2013.01); **F28F 1/126** (2013.01); **F28F 9/0273** (2013.01); **F28F 9/028** (2013.01); **F28F 9/0282** (2013.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022101140 A1 20220519; DE 102020130061 A1 20220519; EP 4244549 A1 20230920

DOCDB simple family (application)

EP 2021080954 W 20211108; DE 102020130061 A 20201113; EP 21810302 A 20211108