

Title (en)
HEAT TRANSFER DEVICE

Title (de)
WÄRMEÜBERTRAGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE TRANSFERT DE CHALEUR

Publication
EP 4356060 A1 20240424 (DE)

Application
EP 22735294 A 20220603

Priority
• DE 102021115560 A 20210616
• DE 2022100419 W 20220603

Abstract (en)
[origin: WO2022262901A1] The invention relates to a heat transfer device, comprising a heat exchanger (1) which is flowed through by a heat transfer medium, a first central connector (1.1) for feeding in or discharging the heat transfer medium to or from the heat exchanger (1), a second central connector (1.2) for discharging or feeding in the heat transfer medium from or to the heat exchanger (1), and a plurality of heat transfer channels (1.3) which form the heat exchanger (1), are connected hydraulically firstly to the first and secondly to the second central connector (1.1, 1.2), and are flowed through by the heat transfer medium. According to the invention, it is provided in accordance with one solution that two flow paths (1.10, 1.20) which can be flowed through alternately and cause/have flow resistances are provided selectively between the first and/or second central connector (1.1, 1.2) and the heat transfer channels (1.3). In accordance with another solution according to the invention, a flow device (2) which causes a different flow resistance depending on the flow direction of the heat transfer medium is provided on each heat transfer channel (1.3).

IPC 8 full level
F28F 9/02 (2006.01); **F25B 13/00** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP)
F25B 13/00 (2013.01); **F25B 39/028** (2013.01); **F25B 39/04** (2013.01); **F25B 41/20** (2021.01); **F25B 41/40** (2021.01); **F28F 9/0273** (2013.01); **F28F 27/02** (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)
DE 102021115560 A1 20221222; EP 4356060 A1 20240424; WO 2022262901 A1 20221222

DOCDB simple family (application)
DE 102021115560 A 20210616; DE 2022100419 W 20220603; EP 22735294 A 20220603