

Title (en)
HEAT TRANSPORT UNIT

Title (de)
WÄRMETRANSPORTEINHEIT

Title (fr)
UNITÉ DE TRANSPORT DE CHALEUR

Publication
EP 3877715 A1 20210915 (DE)

Application
EP 19802057 A 20191030

Priority
• DE 102018127928 A 20181108
• DE 2019100936 W 20191030

Abstract (en)
[origin: WO2020094182A1] The invention relates to a heat transport unit (1) which is designed in particular in the form of a flexible heat pipe, comprising an evaporation region (2), a condensation region (3), and a line region (4) which is arranged between the evaporation region (2) and the condensation region (3) and via which thermal energy is transported from the evaporation region (2) to the condensation region (3). The heat transport unit also comprises a fluid (14) which can be found in the evaporation region (2), and the line region (4) consists of two connection lines, wherein evaporated fluid (14') reaches the condensation region (3) from the evaporation region (2) via one of the two connection lines, and the other connection line is used as a return line for condensed fluid (14).

IPC 8 full level
F28D 15/02 (2006.01)

CPC (source: EP)
F28D 15/0241 (2013.01); **F28D 15/025** (2013.01); **F28D 15/0266** (2013.01); **F28D 15/0275** (2013.01); **Y02E 10/10** (2013.01)

Citation (search report)
See references of WO 2020094182A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ 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)
DE 102018127928 A1 20200514; EP 3877715 A1 20210915; WO 2020094182 A1 20200514

DOCDB simple family (application)
DE 102018127928 A 20181108; DE 2019100936 W 20191030; EP 19802057 A 20191030