

Title (en)

HEAT TRANSFER DEVICE AND METHOD FOR MANUFACTURING SUCH A HEAT TRANSFER DEVICE

Title (de)

WÄRMEÜBERTRAGUNGSVORRICHTUNG UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

DISPOSITIF DE TRANSFERT THERMIQUE ET SON PROCEDE DE FABRICATION

Publication

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Application

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Priority

BY 2019000009 W 20190617

Abstract (en)

[origin: WO2020252555A1] An efficient heat transfer device that can be suitable for mass production is proposed. The heat transfer device comprises: - an evaporation region. - a condensation region. - a vapor channel extending from the evaporation region to the condensation region, and - a porous structure extending from the condensation region to the evaporation region. The porous structure comprises a sequence of segments including at least i) a first segment in the evaporation region and ii) a second segment in the condensation region. The first segment has a first effective pore size, and the second segment has a second effective pore size that is larger than the first effective pore size. A method for manufacturing a heat transfer device is also disclosed.

IPC 8 full level

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