

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

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Application
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Priority
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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.

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