

Title (en)
HEAT DIFFUSION DEVICE

Title (de)
WÄRMEDIFFUSIONSVORRICHTUNG

Title (fr)
DISPOSITIF DE DIFFUSION THERMIQUE

Publication
EP 3566014 A1 20191113 (FR)

Application
EP 18700184 A 20180105

Priority
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• EP 2018050232 W 20180105

Abstract (en)
[origin: WO2018127548A1] The invention relates to a device for heat diffusion by the heat pipe effect, comprising a heat transfer fluid (1) and a housing (2), the housing (2) having a lower wall (21) forming a bottom, an upper wall (22) opposite the lower wall (21) and four side walls between the lower (21) and upper (22) walls, the side walls consisting of: - two transverse side walls, - two longitudinal side walls, a first longitudinal side wall being intended to receive a heat source, characterised in that: - the distance between the longitudinal side walls is between $\frac{1}{2}$ and 2 times the capillary length of the heat transfer fluid (1), and - the quantity (Qf) of heat transfer fluid (1) contained in the device is between 25 and 80% of the total volume (Vtot) of the housing (2).

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