Title (en)

EVAPORATOR HAVING AN OPTIMIZED VAPORIZATION INTERFACE

Title (de)

VERDAMPFER MIT OPTIMIERTER VERDAMPFUNGSSCHNITTSTELLE

Title (fr)

ÉVAPORATEUR À INTERFACE DE VAPORISATION OPTIMISÉE

Publication

EP 3612782 A1 20200226 (FR)

Application

EP 18717606 A 20180412

Priority

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- EP 2018059450 W 20180412

Abstract (en)

[origin: WO2018192839A1] The invention relates to a capillary evaporator for a heat transfer system, comprising a member (1) for picking up heat energy comprising a base (10) and a plurality of projections (11), each of which extends from the base to a peak (12) and the size of which decreases with increasing distance from the base, a primary wick (2) made of a porous first material with a front face (20) adjacent to the peak of the projections, the flanks of the projections delimiting, with the primary wick, empty spaces that form steam ducts (4), the flanks of the projections being covered with a thin layer (3) of porous material with the thickest part (31) disposed in contact with the primary wick in the vicinity of the peak of each projection, and the thickness (EC) of said thin layer decreasing with increasing distance from the primary wick.

IPC 8 full level

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Citation (search report)

See references of WO 2018192839A1

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