

Title (en)

HEAT EXCHANGING DEVICE WITH ACTIVE TWO-PHASE FLUID AND METHOD FOR MAKING SAME

Title (de)

ZWEIPHASIGE WÄRMEAUSTAUSCHVORRICHTUNG

Title (fr)

DISPOSITIF D'ECHANGES THERMIQUES A FLUIDE BIPHASIQUE ACTIF ET PROCEDE DE FABRICATION D'UN TEL DISPOSITIF

Publication

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Application

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Abstract (en)

[origin: FR2776764A1] The invention concerns a heat exchange device (50) with active two-phase fluid, comprising at least a capillary pumping channel (9) and at least a gas transfer channel (6), said device enabling reversible fluid passage, between at least a capillary channel (9) and at least a gas transfer channel (6), during the liquid/gas or gas/liquid transition, resulting from temperature variations sustained by at least one zone of the device (50). It comprises at least one foil (2, 3, 4) comprising on one of its two main surfaces, at least two parallel slots, communicating longitudinally with each other and at least one foil (3, 4) capable of covering the grooves to form at least a capillary channel (9) and at least one gas transfer channel (6).

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