

Title (en)

CAPILLARY PUMPED HEAT TRANSFER LOOP

Title (de)

WÄRMEÜBERTRAGUNGSKREISLAUF MIT KAPILLAREN PUMPEN

Title (fr)

BOUCLE A POMPAGE CAPILLAIRE DE TRANSPORT DE CHALEUR

Publication

EP 0832411 B1 20000119 (FR)

Application

EP 96918533 A 19960613

Priority

- BE 9600061 W 19960613
- BE 9500530 A 19950614

Abstract (en)

[origin: WO9700416A1] A capillary pumped heat transfer loop including an evaporator, a condenser and a tank for storing a heat transfer fluid, said evaporator being provided with a porous material for generating capillary pumping pressure within the loop. Said tank and said evaporator are mutually thermally insulated and interconnected via a channel that comprises a first portion consisting of a capillary connection for pumping the heat transfer fluid from the tank to the porous material, and a second portion for conveying gas bubbles and/or steam from the evaporator to the tank, said tank being arranged to be kept at a lower temperature than the evaporator.

IPC 1-7

F28D 15/04

IPC 8 full level

F28D 15/04 (2006.01)

CPC (source: EP US)

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Cited by

DE102015017121A1; WO2014125064A1; EP3098556A1; DE102015107442A1; EP3093458A1; DE102015107473A1

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