

Title (en)
HEAT TRANSFER DEVICE WITH DIPHASIC FLUID

Title (de)
WÄRMETRANSPORTVORRICHTUNG MIT ZWEIPHASIGER FLÜSSIGKEIT

Title (fr)
DISPOSITIF DE TRANSPORT DE CHALEUR À FLUIDE DIPHASIQUE

Publication
EP 3004773 A1 20160413 (FR)

Application
EP 14727210 A 20140528

Priority
• FR 1354890 A 20130529
• EP 2014061163 W 20140528

Abstract (en)
[origin: WO2014191512A1] A heat transfer device with diphasic fluid with capillary or gravity pumping, with a diphasic working fluid contained in a closed general circuit, comprising an evaporator (1), a condenser (2), a reservoir (3) having an internal volume (30) with a liquid portion (6) and a gas portion (7), a first vapour communication circuit (4), a second liquid-phase communication circuit (5), in which the reservoir (3) comprises a plurality of floating bodies (8) separating the liquid portion from the gas portion, whereby the heat exchanges between the liquid portion and the gas portion are slowed down, helping to lessen the effect of movements of the liquid portion or of an inflow of cold or hot liquid into the reservoir.

IPC 8 full level
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Citation (search report)
See references of WO 2014191512A1

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