

Title (en)

DIPHASIC COOLING LOOP WITH SATELLITE EVAPORATORS

Title (de)

ZWEIPHASIGE KÜHLSCHLEIFE MIT SATELLITENVERDAMPFERN

Title (fr)

BOUCLE DIPHASIQUE DE REFROIDISSEMENT A EVAPORATEURS SATELLITES

Publication

EP 3250870 B1 20181010 (FR)

Application

EP 15766100 A 20150911

Priority

- FR 1550591 A 20150127
- EP 2015070883 W 20150911

Abstract (en)

[origin: WO2016119921A1] Heat-transfer system (10) comprising a main circuit (1) as a fluid loop, the main circuit having no mechanical or capillary pumping means, at least one evaporator assembly (2) arranged as a tapping off the main circuit with an inlet pipe (21) tapping liquid fluid from the main loop, an evaporator (4) including a porous capillary pumping element coupled to a hot source that is to be cooled, an outlet pipe (22) having an ejection nozzle that injects the fluid chiefly in the vapour phase into the main circuit at least in the loop circulation direction, at least one cooling exchanger (5; 5') comprising a portion of the main loop circuit and a heat exchanger coupled to a cold source, for removing heat energy.

IPC 8 full level

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CPC (source: CN EP US)

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