

Title (en)

PARALLEL EVAPORATOR CIRCUIT WITH BALANCED FLOW

Title (de)

VERDAMPFERPARALLELSCHALTUNG MIT AUSGEGLICHENER STRÖMUNG

Title (fr)

CIRCUIT ÉVAPORATEUR EN PARALLÈLE À DÉBIT ÉQUILIBRÉ

Publication

EP 2805120 A1 20141126 (EN)

Application

EP 13702301 A 20130115

Priority

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- US 2013021570 W 20130115

Abstract (en)

[origin: WO2013109535A1] Provided is a pumped loop system (10) for cooling a heat-generating components without relying on a maximum heat load, the system including first and second evaporators (14a-14n) in parallel with one another and first and second valves (22a-22n) upstream of the first and second evaporators respectively, wherein the valves (22a-22n) are controllable to vary the flow rate of fluid to the respective evaporator (14a-14n) based on the amount of flow needed to control the respective heat-generating component. By cooling the heat-generating components without relying on the maximum heat load, adequate flow may be provided to an evaporator operating under a high heat low while reduced flow is provided to an evaporator operating under a low head load.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013109535A1

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