

Title (en)

MULTI-LOOP PLATE HEAT EXCHANGER

Title (de)

PLATTENWÄRMETAUSCHER MIT MEHREREN SCHLEIFEN

Title (fr)

ÉCHANGEUR DE CHALEUR À PLAQUES À MULTIPLES BOUCLES

Publication

EP 3904816 A4 20220914 (EN)

Application

EP 19906570 A 20191203

Priority

- CN 201811632290 A 20181228
- CN 2019122699 W 20191203

Abstract (en)

[origin: EP3904816A1] Disclosed is a multi-loop plate heat exchanger, comprising: a plurality of heat exchange plates arranged in a stacked manner; heat exchange channels formed between adjacent heat exchange plates in the plurality of heat exchange plates; and port channels extending through the heat exchange plates and respectively used for inflow and outflow of a heat exchange medium, at least one of the port channels comprising at least two fluid channels which are separated from each other and used for inflow or outflow of at least two of multiple loops of refrigerant. The at least two fluid channels share one of the port channels, and the at least two fluid channels are arranged side by side in the radial direction of the port channel.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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