

Title (en)

A HEAT EXCHANGER FOR EXCHANGING HEAT OF FLUIDS HAVING DIFFERENT TEMPERATURES

Title (de)

WÄRMETAUSCHER FÜR DEN WÄRMETAUSCH VON FLÜSSIGKEITEN MIT UNTERSCHIEDLICHEN TEMPERATUREN

Title (fr)

ÉCHANGEUR DE CHALEUR POUR ÉCHANGER LA CHALEUR DE FLUIDES AYANT DES TEMPÉRATURES DIFFÉRENTES

Publication

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Application

EP 17886878 A 20171221

Priority

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Abstract (en)

[origin: WO2018124980A2] A heat exchanger for exchanging heat of fluids having different temperatures, comprising: at least one smooth heat exchanging plate; at least one high temperature heat exchanging plate; and at least one low temperature heat exchanging plate stacked in an alternating sequence, wherein an inlet of high temperature fluid and an outlet of high temperature fluid are disposed in order to pass a high temperature fluid through each said high temperature heat exchanging plate, and an inlet of low temperature fluid and an outlet of low temperature fluid are disposed in order to pass a low temperature fluid through each said low temperature heat exchanging plate, wherein said high temperature heat exchanging plate and said low temperature the heat exchanging plate comprising a high temperature channel and a low temperature channel, wherein said channels have a length extending in a flow direction of said fluids and a side wall of each said channel has a symmetric wavy pattern with the center line of said channel.

IPC 8 full level

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