

Title (en)

HEAT EXCHANGER AND HEAT PUMP CYCLE

Title (de)

WÄRMEÜBERTRAGER UND WÄRMEPUMPENKREIS

Title (fr)

AGENT CALOPORTEUR ET CIRCUIT DE THERMOPOMPE

Publication

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Application

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Abstract (en)

[origin: WO2006066953A2] The invention relates to a heat exchanger which comprises a conduit system for a coolant and a conduit system for a fluid, which systems are thermally coupled to each other to transfer heat energy from one medium to the other. The heat exchanger comprises a plurality of sections that are hydraulically coupled to each other in parallel and/or in series. The aim of the invention is to provide a compact heat exchanger that can be economically produced and that allows for an improved heat exchange. For this purpose, in every section at least one fluid channel comprises a sheet metal having an approximately U-, V- or W-shaped cross-section that is closed at the ends of the U, V or W shape by a sheet metal. The coolant is provided in the fluid channel in a conduit running parallel to the longitudinal axis of the fluid channel.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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