

Title (en)

HEAT EXCHANGER, IN PARTICULAR FOR A MOTOR VEHICLE

Title (de)

WÄRMETAUSCHER, INSBESONDERE FÜR EIN KRAFTFAHRZEUG

Title (fr)

ÉCHANGEUR THERMIQUE, NOTAMMENT POUR VÉHICULE AUTOMOBILE

Publication

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Application

**EP 16826394 A 20161216**

Priority

- FR 1562886 A 20151221
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Abstract (en)

[origin: WO2017109357A1] The invention relates to a heat exchanger (1), in particular for a motor vehicle, for transferring heat between at least a first fluid and a second fluid, in which the exchanger (1) can act as a condenser and comprises a heat exchange bundle (3) with a plurality of heat exchange tubes (5) comprising flow channels (7) through which the first fluid flows. According to the invention, the heat exchange tubes (5) comprise: flow channels (71) for the condensation of the first fluid, defining a condensation zone of the heat exchange bundle (3); and flow channels (73) for the subcooling of the condensed first fluid, defining a subcooling zone of the heat exchange bundle (3). In addition, the heat exchanger (1) comprises a stack of frames (13, 15, 16) including: at least some frames (13) that can receive the heat exchange tubes (5) and that are shaped to separate the condensation zone from the subcooling zone of the heat exchange bundle (3); and at least one fluid connection frame (16) that is shaped to establish a fluid communication between a fluid tank (22) and (i) the flow channels (71) for condensation and also, separately, (ii) the flow channels (73) for subcooling.

IPC 8 full level

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