

Title (en)

HEAT EXCHANGER, IN PARTICULAR FOR A MOTOR VEHICLE, AND PROCESS FOR MANUFACTURING SUCH A HEAT EXCHANGER

Title (de)

WÄRMETAUSCHER, INSBESONDERE FÜR EIN KRAFTFAHRZEUG, UND VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN WÄRMETAUSCHERS

Title (fr)

ÉCHANGEUR DE CHALEUR NOTAMMENT POUR VÉHICULE AUTOMOBILE ET PROCÉDÉ DE FABRICATION D'UN TEL ÉCHANGEUR DE CHALEUR

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Application

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Abstract (en)

[origin: WO2021014091A1] The invention relates to a heat exchanger comprising a heat exchange bundle (3) transferring heat between a first fluid (F1) and a second fluid (F2), said heat exchange bundle (3) being composed of: at least two hollow elements (31) that are designed to form a channel inside which the first fluid (F1) is intended to flow and to allow the second fluid (F2) to flow in a space (37) between the stacked hollow elements (31), wherein at least one of the hollow elements (31) has a plurality of protrusions (5) that are located at least on one of the first (33a) and/or second (33b) faces of the hollow element (31), said protrusions (5) extending into the space (37) defined for the second fluid (F2) to flow in; and the heat exchange bundle (3) comprises at least one additional fin (6) in the space (37) defined between two adjacent hollow elements (31).

IPC 8 full level

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