

Title (en)
HEAT EXCHANGER WITH REINFORCED HEADER PLATE

Title (de)
WÄRMETAUSCHER MIT VERSTÄRKTER KOPFPLATTE

Title (fr)
ÉCHANGEUR DE CHALEUR AYANT UNE PLAQUE DE COLLECTEUR RENFORCÉE

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Abstract (en)
[origin: WO2015197596A1] The invention relates to a heat exchanger (1) comprising a coolant housing (10) and a header plate (20). The header plate (20) crimps around a border (11) of the coolant housing (10) by encompassing the border (11). The header plate (20) is provided with apertures (22), each aperture (22) receiving a tube (30) for guiding coolant from or to the closed cavity (50). The heat exchanger (1) further comprises a reinforcing plate (40) extending between two opposing crimped locations on the border (11) of the coolant housing (10), and extending on the outside of the header plate (20) in view of the closed cavity (50), wherein the reinforcing plate (40) is joined, at the opposing locations, to an outer surface portion of the header plate (20), and wherein the reinforcing plate (40) is provided with at least one aperture (42) embracing one or more of the tubes (30) received by the header plate (20).

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