

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMEÜBERTRAGER

Title (fr)
ÉCHANGEUR DE CHALEUR

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Abstract (en)
[origin: WO2016045970A2] The invention relates to a heat exchanger (1), in particular a charge air cooler comprising: two bases (2) which respectively comprises passages (3) for receiving, on the longitudinal end sides, fluid-conducting tubes (4); at least one collecting chamber (5) which is arranged on one of the bases (2); at least one lateral part (6) which is received, with the longitudinal end area (7), at least partially in an end side of the passage (8) of the associated base (2). The invention is characterized in that the longitudinal end area (7) of the lateral part (6) is formed in the shape of a beam and comprises at least one recess (9) such that a cross-sectional surface of the longitudinal end area (7) is smaller than a cross-sectional surface of the associated end of the passage (8). A maximum material thickness (s) of the longitudinal end area (7) is smaller in the direction of the longitudinal extension (10) of the base (2) than the height (h) of the end of the passage (8).

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