

Title (en)
HEAT EXCHANGER WITH BRAZED SIDE PLATE

Title (de)
WÄRMETAUSCHER MIT GELÖTETER SEITENPLATTE

Title (fr)
ÉCHANGEUR DE CHALEUR AVEC JOUE D'EXTRÉMITÉ BRASÉE

Publication
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Application
EP 19848887 A 20191219

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• FR 2019053198 W 20191219

Abstract (en)
[origin: WO2020128360A1] The present invention relates to a heat exchanger (1), in particular for a motor vehicle, comprising: - a heat exchange bundle (3) comprising a plurality of stacked tubes (5), inside which a first heat exchange fluid is intended to circulate and - an end flange (13) which is arranged on each side of the stack of tubes (5), the end flange (13) being brazed to the heat exchange bundle (3), the end flanges (13) comprising: - a flattened body (130) which comprises a first surface (130a) designed to face an aerodynamic element (15) and a second surface (130b), referred to as the brazing surface, which is opposite the first surface (130a) and brazed to the heat exchange bundle (3), - fixing lugs (132) which are configured to receive the aerodynamic element (15) and arranged on the sides of the flattened body (130), the fixing lugs (132) projecting in the opposite direction to the heat exchange bundle (3), - at least one extension (134) of the flattened body (130) extending in the same general plane as the flattened body (130) and being arranged between a pair of fixing lugs (132) arranged on the same side of the flattened body (130) and such that the width (L1) of the flattened body (130) between the pair of fixing lugs (132) and a fixing lug (132) arranged on the opposite side of the flattened body (130), facing the pair of fixing lugs (132), is less than the width (L2) of the flattened body (130) in the at least one extension (134).

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Citation (examination)
• FR 2868522 B1 20070601 - VALEO THERMIQUE MOTEUR SAS [FR]
• FR 2880679 B1 20070406 - VALEO SYSTEMES THERMIQUES [FR]

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