

Title (en)  
HEAT EXCHANGER ASSEMBLY

Title (de)  
WÄRMETAUSCHERANORDNUNG

Title (fr)  
ENSEMBLE ÉCHANGEUR THERMIQUE

Publication  
**EP 3396296 B1 20200909 (EN)**

Application  
**EP 17461529 A 20170428**

Priority  
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Abstract (en)  
[origin: EP3396296A1] The present invention relates to a heat exchanger assembly (1) comprising a housing (2); a core (3) situated inside the housing (2); two headers (4) placed on the core (3); and inlet and outlet conduits (51, 52) covering the headers (4). The headers (4) comprise a plurality of teeth (41), which are bent over the inlet and outlet conduits (51, 52). The teeth (41) are provided with an undercut (43) having an undercut axis (A), which divides the teeth (41) into a base portion (41a) and a bendable portion (41b). Before bending the teeth (41) over the inlet and outlet conduits (51, 52) : the undercut (43) has a substantially elliptic cross-section; a semi-minor axis (A1) of an ellipse of the undercut cross section coincides with the undercut axis (A); the semi-minor axis (A1) has a length, which is at least half of a general thickness (GT) of the teeth (41); and a reduced thickness (RT) of the teeth (41) at the undercuts (43) is at most two times smaller than a height (H) of the bendable portion (41b).

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