

Title (en)
FULLY-METAL HEAT EXCHANGER AND METHOD FOR ITS PRODUCTION

Title (de)
GANZ-METALL-WÄRMETAUSCHER UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
ECHANGEUR THERMIQUE INTEGRALEMENT METALLIQUE ET PROCEDE DE FABRICATION ASSOCIE

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Abstract (en)
[origin: WO2006133748A1] The invention relates to a fully-metal heat exchanger comprising flat tubes (1), which have two narrow sides and two wide sides (2, 3), and comprising fins (4) which form a block together with the flat tubes, and comprising either at least one tube plate (5) and one collecting tank (6), with edges (10) of the collecting tank (6) being connected, for example soldered, to edges (20) of the tube plate (5), or at least one collecting tank (6) which contains the tube plate, and having projections (11) which are arranged at intervals. The invention leads to a heat exchanger which has a small installation space requirement while having comparatively good thermal properties in that, according to the invention, the projections (11) engage in the ends of the flat tubes (1) in the region of the narrow sides (2). The production method according to the invention accordingly provides that the projections (11) are inserted into the ends of the flat tubes (1) approximately in the region of the narrow sides (2).

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