

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

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Abstract (en)
[origin: WO2010058142A2] The invention relates to a heat exchanger (2) for vaporising a liquid by exchanging heat with a second fluid, including a parallelepiped body made up of an assembly of parallel vertical plates (4) defining a multitude of flat passages (17, 18) therebetween and lateral bars (7) closing the passages to the outside, a means for sending the liquid into a first assembly of passages (17) and the second fluid into the remaining passages (18), an insert (1, 3) for distributing the liquid at the top end of the passages (17) of said first assembly, across the entire horizontal length thereof, by fine distribution along the entire length of said passages, at least one of the lateral bars having a rounded profile along most of the length thereof and a flat profile on a portion of the length thereof, and one edge of the insert engaging the portion of the length of said bar where the profile is flat.

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