

Title (en)
HEAT EXCHANGER WITH FLEXIBLE TUBES

Title (de)
WÄRMETAUSCHER MIT BIEGSAMEN ROHREN

Title (fr)
ECHANGEUR DE CHALEUR A TUBES SOUPLES

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Application
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Abstract (en)
[origin: FR2787873A1] The invention concerns a heat exchanger (2) with flexible tubes (20), particularly for a motor vehicle cooling installation. The tubes (20), for example made of a plastic material, are designed to carry a heat-exchanging fluid capable of co-operating with an air stream circulating through the exchanger (2). The inventive exchanger (2) comprises means for maintaining the tubes (20) in parallel rows. The tubes (20) are designed to be generally shaped like substantially sinusoidal lines. The sinusoids of two contacting tubes (211, 212) of two consecutive rows, are phase offset relatively to each other such that the two tubes (211, 212) are maintained in two contact zones (210) per sinusoid interval, thereby leaving interstices between the tubes (20) to enhance the penetration of the flux.

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