

Title (en)
HEAT EXCHANGER HAVING OPTIMIZED FLUID PASSAGES

Title (de)
WÄRMETAUSCHER MIT OPTIMIERTEN FLUIDKANÄLEN

Title (fr)
ÉCHANGEUR DE CHALEUR À PASSAGES DE FLUIDE OPTIMISÉS

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Application
EP 20845201 A 20201215

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Abstract (en)
[origin: WO2021123597A1] The invention relates to a heat exchanger that is configured to permit an exchange of heat between a first fluid and a second fluid that circulate in passage paths formed by plates (14a, 14b) and fins (16a, 16b) of the heat exchanger, the fluids flowing in a multitude of passage channels (10) each consisting of a closed space (12) delimited by two adjacent plates and two adjacent fins, characterized in that each plate extends along a non-planar surface following at least one oscillating curve, and each fin further following at least one second oscillating curve along at least one second main direction, in such a way that each passage path allows the fluid to flow in the closed space along a fluid direction defined by a generatrix that is a combination at least of the first oscillating curve and the second oscillating curve.

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