

Title (en)
HEAT EXCHANGER AND METHOD FOR EXCHANGING HEAT

Title (de)
WÄRMETAUSCHER UND WÄRMETAUSCHVERFAHREN

Title (fr)
ÉCHANGEUR DE CHALEUR ET PROCÉDÉ D'ÉCHANGE DE CHALEUR

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Abstract (en)
A heat exchanger according to the invention comprises a shell (7) and at least one channel, located in its interior, with at least one perforated wall (5) adapted to carry a first fluid. The perforation of the wall is provided on at least a part of the surface of this perforated wall (5) so that, as a result of the flow of the first fluid, microjets are formed in the perforation openings. The shell (7) is adapted to carry a second fluid, and the said at least one channel has an additional solid wall (6) surrounding the perforated wall (5). A method for transferring heat between the first fluid and the second fluid according to the invention consists in that these fluids are introduced into the heat exchanger in which they are separated from each other by a partition, wherein the exchanger according to the invention is used therefore.

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