

Title (en)
HEAT EXCHANGER WITH IMPROVED CONFIGURATION

Title (de)
VERBESSERTER WÄRMETAUSCHER

Title (fr)
ECHANGEUR THERMIQUE A CONFIGURATION AMELIOREE

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Application
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Abstract (en)
[origin: WO9702461A1] The invention relates to a heat exchanger (1) comprising channels of the first sort and channels of the second sort, wherein the channels extend mutually parallel, are mutually separated by walls, are substantially mutually adjacent and in section are ordered according to a regular pattern, wherein the heat exchanger (1) is assembled from flat plates (2) and profiled plates (3) stacked alternately on each other and forming the walls, wherein the profiled plates (3) come into contact with both adjoining flat plates (2) and each of the plates forms a separation between channels of the first sort on a first side and channels of the second sort on the second side. Stacking of the plates on each other results in a simple construction. It is also less important herein that the plates are placed in mutually displaced manner; in all cases the channels of the first sort are bounded by channels of the second sort. It is herein pointed out that the attractive construction according to the invention makes it possible to apply heat exchangers in areas where until now this was unattractive because of the high costs.

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