

Title (en)
HEAT EXCHANGER OF PROFILED PLATES OF METAL SHEET

Title (de)
WÄRMETAUSCHER AUS PROFILIERTEN BLECHPLATTEN

Title (fr)
ECHANGEUR DE CHALEUR CONSTITUÉ DE PLAQUES PROFILÉES DE TÔLE MÉTALLIQUE

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Abstract (en)
[origin: WO2007071253A2] The present invention relates to a method of manufacturing a plate heat exchanger comprising a stack of plate parts of metal sheet, between which plate parts two media flow that exchange heat through the plate parts. The method comprises forming a pattern of channels on at least one length of plate and subsequently folding the length of plate to the effect that it forms a stack of continuous plate parts of alternatingly a section of length of plate with pattern of channels and a plane section. Moreover, in accordance with the invention, the pattern of channels can be formed by a first rolling of folds transversally of the plate part of metal sheet and subsequently embossing the profile pattern by pressing or rolling completely or partially over the pre-rolled folds. The invention further relates to a plate heat exchanger made by one or more of said methods and of folded aluminum sheet with a plate thickness of less than or equal to 0.1 mm.

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