

Title (en)  
METHOD AND DEVICE FOR THE MANUFACTURE OF HEAT EXCHANGER PANELS

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Application  
**EP 81108579 A 19811020**

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DE 3039693 A 19801021

Abstract (en)  
[origin: US4562630A] The invention relates to a method and an apparatus for the manufacture of heat exchanger elements. A pair of strips of weldable material e.g. high-grade steel is welded together in such a way that on both sides a longitudinally extending weld seam is formed, said pair of strips between said longitudinally extending weld seam defining a longitudinal channel which extends parallel to the weld seams and which serves for the conduction of heating or cooling agents. At least one of the strips is first provided with at least one longitudinally extending groove and is longitudinally welded to the other strip of the pair of strips in such a way that the groove forms with the part of the other strip covering it a longitudinal channel. A liquid filler material is poured into the longitudinal channel and solidified by cooling to below its freezing point. The pair of strips with the solidified or frozen filler material serving as a supporting core is subsequently shaped by plastic deformation of the walls without cutting in such a way that the longitudinal channel hereby acquires the desired shape and finally the frozen filler material is rethawed and removed from the deformed channel.

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Citation (examination)  
• GB 960975 A 19640617 - UDDEHOLMS AB  
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• US 3409961 A 19681112 - LEMELSON JEROME H  
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