

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

Publication
EP 0050363 B1 19850130 (DE)

Application
EP 81108579 A 19811020

Priority
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.

IPC 1-7
B21D 53/04

IPC 8 full level
B21C 37/15 (2006.01); **B21D 9/15** (2006.01); **B21D 15/00** (2006.01); **B21D 53/04** (2006.01); **F28D 1/03** (2006.01); **F28F 1/02** (2006.01)

CPC (source: EP US)
B21D 53/04 (2013.01 - EP US); **F28D 1/0308** (2013.01 - EP US); **Y10T 29/49366** (2015.01 - EP US); **Y10T 29/4981** (2015.01 - EP US)

Citation (examination)

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US6267702B1

Designated contracting state (EPC)
AT CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0050363 A1 19820428; **EP 0050363 B1 19850130**; AT E11494 T1 19850215; DE 3039693 A1 19820429; DE 3168668 D1 19850314; JP S57134216 A 19820819; US 4562630 A 19860107

DOCDB simple family (application)
EP 81108579 A 19811020; AT 81108579 T 19811020; DE 3039693 A 19801021; DE 3168668 T 19811020; JP 16588581 A 19811019; US 30974581 A 19811008