

Title (en)
Forming device for deforming tubes of heat exchangers

Title (de)
Vorrichtung zum Umformen von Wärmetauscherrohre

Title (fr)
Dispositif pour le formage de tubes d'échangeur de chaleur

Publication
EP 2719477 A2 20140416 (EN)

Application
EP 13156543 A 20130225

Priority
CZ 2012689 A 20121010

Abstract (en)
The present invention relates to the forming device for carrying out controlled deformation of tubes, especially tubes (4) of heat exchangers, which are placeable between the table and pressure bar of the mechanical press, whereby it comprises a lower forming plate (1) and an upper forming plate (2) that are coupled by guide devices. It further comprises die elements (12) arranged on mutually counter surfaces (11, 24) of the lower forming plate (1) and the upper forming plate (2). The die elements (12) are connected to a corresponding forming plate (1, 2) in a demountable and adjustable, whereas the forming plates (1, 2) being coupled to devices for adjusting the position of the processed tube (4) with respect to the forming plates (1, 2) along the longitudinal axis of the tube (4) and in the direction of shifting the tube(4) round its longitudinal axis, and to means which secures the tube (4) in the set position.

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Citation (applicant)
• EP 0165583 B1 19890607
• DE 102008031158 A1 20100107 - BEHR GMBH & CO KG [DE]
• DE 102008062704 A1 20090827 - BEHR GMBH & CO KG [DE]
• DE 102009051280 A1 20110512 - ARUP ALU ROHR UND PROFIL GMBH [DE]

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