

Title (en)

Apparatus and method for bending a heat exchange assembly

Title (de)

Vorrichtung und Verfahren zum Biegen von einem Wärmetauscher Zusammenbau

Title (fr)

Appareil et procédé de pliage d'un assemblage d'échange thermique

Publication

**EP 2394753 A1 20111214 (EN)**

Application

**EP 11167851 A 20110527**

Priority

IT MI20101036 A 20100609

Abstract (en)

An apparatus (10) for bending a heat exchange battery (1) comprising a shaper (20), which is adapted to pivot about an axis of rotation (A-A), first gripper means (40) for gripping a first end (1a) of the heat exchange battery (1), second gripper means (50) for gripping a second end (1b) of the heat exchange battery (1), wherein the second gripper means (50) are movable from and to the shaper (20) in a sliding direction (X-X) perpendicular to the axis of rotation (A-A), first drive means (30) for rotating the shaper (20) and second drive means (60) for moving the second gripper means (50) in the sliding direction (X-X). The shaping surface (20a) has at least two curved shaping portions (21, 22) which have different bend radiuses ( $r_1$ ,  $r_2$ ) and which are joined by a flat shaping portion (24).

IPC 8 full level

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CPC (source: EP)

**B21D 7/024** (2013.01); **B21D 53/06** (2013.01); **B21D 53/085** (2013.01)

Citation (applicant)

EP 0927865 A1 19990707 - CARRIER CORP [US]

Citation (search report)

- [AD] EP 0927865 A1 19990707 - CARRIER CORP [US]
- [A] CN 100376339 C 20080326 - JFE STEEL CO LTD [JP]
- [A] JP H02121720 A 19900509 - AISIN SEIKI
- [A] JP S50102564 A 19750813

Cited by

CN105728519A; CN114713675A; CN105689474A; EP2599565A4

Designated contracting state (EPC)

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