

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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