

Title (en)
DEVICE FOR A PIPE BENDING TOOL

Title (de)
VORRICHTUNG FÜR EIN ROHRBIEGEWERKZEUG

Title (fr)
DISPOSITIF POUR UN OUTIL DE CINTRAGE DE TUYAUX

Publication
EP 3713689 A4 20210127 (EN)

Application
EP 18881500 A 20181123

Priority
• SE 1700288 A 20171123
• SE 2018000033 W 20181123

Abstract (en)
[origin: WO2019103672A1] The present invention relates to a tube bending tool (1) comprising support surfaces (2, 2', 2''), between which a tube (3) which shall be bent, is placed for bearing on and pressing against portions of the mantle surface (4, 4') of the tube (3) in providing a bend (5), said tube bending tool (1) has a pressure exerting unit (6) comprising at least one extension (8) displaceable forwards against the tube (3), where a convex bend bearing surface in the form of a shablon (10) is provided to press against the mantle surface of the tube (3). The front portion (9) has two elongated elements (12, 12'), which are cross-laid and provided flexible in their first ends (13, 13') in order to during bending press in a direction against the bending radius center, whereby different radius of the bend (5) on selected places can be done and just before a wanted bending angle has been reached a tension belt (25) fixed in two coupling links (26, 26'), so that this is can be tensioned against the side of the bent tube (3) and makes it possible that a distance between the supporting elements (15, 15') on existing supporting axis (18, 18') is decreased, which means that a spring back in the bent tube (3) disappears so that the same is loosen from the bending tool (1).

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CPC (source: EP SE)
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Citation (search report)
• [X] US 2405931 A 19460820 - HERBERT ABRAMSON JOHN, et al
• [X] CN 2406744 Y 20001122 - ZHUANG ZONGCHAO [CN]
• [X] GB 650637 A 19510228 - BABCOCK & WILCOX LTD, et al
• [A] SE 1500116 A1 20160907 - JANOS KELLER [SE]
• See references of WO 2019103672A1

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