

Title (en)

BENDING TOOL AND GRIPPING DEVICE FOR MANIPULATING THE BENDING TOOL

Title (de)

BIEGEWERKZEUG UND GREIFVORRICHTUNG ZUM MANIPULIEREN DES BIEGEWERKZEUGES

Title (fr)

OUTIL DE CINTRAGE ET DISPOSITIF DE PRÉHENSION SERVANT À MANIPULER L'OUTIL DE CINTRAGE

Publication

EP 3180138 B1 20180418 (DE)

Application

EP 15771847 A 20150811

Priority

- AT 505682014 A 20140812
- AT 2015050197 W 20150811

Abstract (en)

[origin: WO2016023057A1] The invention relates to a bending tool (6) having an actuating element (19) that is accessible from outside the tool receptacle, a locking element (20) that is coupled to said actuating element (19) and has a locking detent (21) for securing the bending tool (6) in the tool receptacle. The first end portion (32) of the actuating element (19) has an actuating face (33) arranged on the end side, and the second end portion (34) of the actuating element (19) has an actuating recess (35). Furthermore, the invention relates to a gripping device (14) for manipulating a bending tool (6), comprising a first gripping arm (59) and a second gripping arm (60) that is displaceable relative to the first gripping arm (59) in the clamping direction (64), said gripping arms (59) being configured to engage in a gripping groove (23, 24) in the bending tool (6) and to clamp the bending tool (6). Furthermore, an unlocking member (65) for actuating an actuating element (19) of the bending tool (6) is formed, said unlocking member (65) being longitudinally displaceable normally to the clamping direction (64) relative to the gripping arms (59, 60).

IPC 8 full level

B21D 5/02 (2006.01)

CPC (source: AT EP US)

B21D 5/0209 (2013.01 - AT); **B21D 5/0236** (2013.01 - AT EP US); **B21D 5/0254** (2013.01 - AT EP US); **B21D 37/04** (2013.01 - AT); **B21D 5/0209** (2013.01 - EP); **B21D 37/14** (2013.01 - EP); **Y10T 483/1729** (2015.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2016023057 A1 20160218; AT 515526 A4 20151015; AT 515526 B1 20151015; EP 3180138 A1 20170621; EP 3180138 B1 20180418; US 11260442 B2 20220301; US 2017232493 A1 20170817

DOCDB simple family (application)

AT 2015050197 W 20150811; AT 505682014 A 20140812; EP 15771847 A 20150811; US 201515502627 A 20150811