

Title (en)

BENDING MACHINE FOR BENDING ROD-SHAPED OR TUBULAR WORKPIECES

Title (de)

BIEGEMASCHINE ZUM BIEGEN VON STAB- ODER ROHRFÖRMIGEN WERKSTÜCKEN

Title (fr)

MACHINE À CINTRER POUR LE CINTRAGE DE PIÈCES EN FORME DE TIGE OU DE TUBE

Publication

EP 3664945 B1 20210519 (DE)

Application

EP 18733859 A 20180625

Priority

- DE 102017117979 A 20170808
- EP 2018066866 W 20180625

Abstract (en)

[origin: WO2019029893A1] The invention relates to a bending machine (1) for elongated workpieces (9), comprising a bending tool which comprises a bending head (11) with a bending disc comprising at least one bending groove and additionally comprising two slide rails (14), each of which has a molding groove and which can be placed laterally against opposing longitudinal sides of the workpiece (9). Each slide rail (14) is secured to a support part (15) and laterally supports the workpiece (9) in the region from where the workpiece is tangentially fed into the bending groove of the bending disc to a point in front of the bending groove at a specified distance therefrom when the slide rail is resting against the workpiece (9). Each support part (15) can be adjusted between a starting position, in which the corresponding slide rail (14) does not rest against the workpiece (9), into a final position, in which the slide rail contacts the workpiece (9). Upon contacting the workpiece (9), the other slide rail (14) assumes its respective starting position. The two support parts (15) are attached to the ends of a pivotal two-arm lever (13), and one of the slide pieces (14) rests laterally against the workpiece (9) in each final pivot position of the lever (13).

IPC 8 full level

B21D 7/02 (2006.01); **B21D 7/024** (2006.01); **B21D 11/12** (2006.01)

CPC (source: EP US)

B21D 7/021 (2013.01 - EP US); **B21D 7/024** (2013.01 - EP US); **B21D 11/10** (2013.01 - US); **B21D 11/12** (2013.01 - EP)

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 2019029893 A1 20190214; DE 102017117979 A1 20190214; EP 3664945 A1 20200617; EP 3664945 B1 20210519; JP 2020529324 A 20201008; JP 6899955 B2 20210707; US 11484928 B2 20221101; US 2021086246 A1 20210325

DOCDB simple family (application)

EP 2018066866 W 20180625; DE 102017117979 A 20170808; EP 18733859 A 20180625; JP 2020506345 A 20180625; US 201816635443 A 20180625