

Title (en)

BENDING PRESS WITH A FOLDING APPARATUS AND METHOD FOR CARRYING OUT FOLDING

Title (de)

BIEGEPRESSE MIT EINER FALZVORRICHTUNG UND VERFAHREN ZUR DURCHFÜHRUNG EINER FALZUNG

Title (fr)

PRESSE À CINTRER AVEC UN DISPOSITIF DE PLIAGE ET PROCÉDÉ DE PLIAGE

Publication

EP 2726227 A2 20140507 (DE)

Application

EP 12742779 A 20120628

Priority

- AT 9672011 A 20110701
- AT 2012050089 W 20120628

Abstract (en)

[origin: WO2013003876A2] The invention relates to a folding apparatus (2) for a bending press (1), wherein the bending press (1) is equipped with a bending punch (8) and with a press crosshead (9), which is arranged above the bending punch (8) and guides the latter up and down vertically. The essential factor here is for an upwardly directed, in particular horizontal bearing surface (15) for a workpiece (4) to be formed on the press crosshead (9), and for a stamping surface (16), which is parallel to the bearing surface (15) and aligned therewith, to be arranged above said bearing surface, wherein the stamping surface (16) and the bearing surface (15) are in contact, or form a gap (17) of less than 0.5 mm, when the press crosshead (9) is in an upper end position, and wherein the stamping surface (16) and the bearing surface (15) are spaced apart when the press crosshead (9) is in a lowered position. The invention also specifies a method which is intended for implementing folding by means of a bending press (1) and which comprises a folding operation as the press crosshead (9) is moving upwards. This gives rise to a folding apparatus (2), and a method for implementing folding, allowing shorter set-up and processing times and keeping the tool costs low at the same time.

IPC 8 full level

B21D 5/02 (2006.01); **B21D 19/08** (2006.01)

CPC (source: EP)

B21D 5/02 (2013.01); **B21D 19/08** (2013.01)

Citation (search report)

See references of WO 2013003876A2

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 2013003876 A2 20130110; WO 2013003876 A3 20130620; AT 511621 A1 20130115; AT 511621 B1 20130415; EP 2726227 A2 20140507; EP 2726227 B1 20160518

DOCDB simple family (application)

AT 2012050089 W 20120628; AT 9672011 A 20110701; EP 12742779 A 20120628