

Title (en)

METHOD AND BENDING PRESS FOR BENDING THE BOUNDARY EDGE OF A SHEET FOR SHAPING INTO AN OPEN SEAM TUBE

Title (de)

VERFAHREN UND ANBIEGEPRESSE ZUM ANBIEGEN DER RANDSTREIFEN EINES ZU EINEM SCHLITZROHR ZU FORMENDEN BLECHES

Title (fr)

PROCEDE ET PRESSE DE CINTRAGE POUR CINTRER LES BANDES LATERALES D'UNE TOLE A FAÇONNER EN UN TUBE FENDU

Publication

EP 1807226 B1 20080709 (DE)

Application

EP 05804044 A 20051010

Priority

- DE 2005001834 W 20051010
- DE 102004050784 A 20041014

Abstract (en)

[origin: WO2006039916A1] The invention relates to a method and a bending press for bending the boundary edge (2) of a planar sheet for shaping into an open seam tube, with an upper tool (1) shaped to correspond to the bend radius to be achieved and an opposed lower tool (3) which may be displaced vertically, between which the boundary edges of the sheet which is clamped in place in the press frame may be bent into the desired boundary contour. The lower tool (3, 3') is provided with a straight working surface and mounted to pivot about a rotational axis (6, 6') whereby the pivot range is at least so large that a permanent planar contact between the working surface of the lower tool (3, 3') and the bottom face of the boundary edge (2) is possible during the bending.

IPC 8 full level

B21D 5/01 (2006.01); **B21C 37/08** (2006.01)

CPC (source: EP US)

B21C 37/0822 (2013.01 - EP US); **B21D 5/015** (2013.01 - EP US)

Cited by

EP2251109A1; WO2010118759A2; WO2010118759A3

Designated contracting state (EPC)

CH FR GB LI

DOCDB simple family (publication)

WO 2006039916 A1 20060420; DE 102004050784 B3 20060524; EP 1807226 A1 20070718; EP 1807226 B1 20080709; JP 2008516771 A 20080522; JP 4783792 B2 20110928; US 2007261464 A1 20071115; US 7735348 B2 20100615

DOCDB simple family (application)

DE 2005001834 W 20051010; DE 102004050784 A 20041014; EP 05804044 A 20051010; JP 2007535990 A 20051010; US 66541905 A 20051010