

Title (en)

METHOD AND BENDING DEVICE FOR BENDING FLAT METAL WORKPIECES

Title (de)

VERFAHREN UND BIEGEVORRICHTUNG ZUM BIEGEN VON FLÄCHIGEN METALLISCHEN WERKSTÜCKEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PLIAGE DE PIÈCES MÉTALLIQUES PLATES

Publication

**EP 2001615 A1 20081217 (DE)**

Application

**EP 07710531 A 20070323**

Priority

- AT 2007000142 W 20070323
- DE 102006014093 A 20060324

Abstract (en)

[origin: DE102006014093A1] The method involves free bending over edges along a bend line with straight tool motion: the bending edges are arranged parallel to the plate's longitudinal direction and the tool moves along the plate width. It involves lowering a ram between the bending edges of a die, holding the ram at the lowest point of the bend, applying compression to compensate deformation zone stresses and incremental superimposition of traction stresses with compression acting along the bend line in the plate width direction of the bent workpiece with the compression generating tool moving along the bend line. An independent claim is also included for a bending device.

IPC 8 full level

**B21D 5/02** (2006.01)

CPC (source: EP US)

**B21D 5/0209** (2013.01 - EP US)

Cited by

DE102017006218A1; CN102151723A; CN111580464A; EP3424606A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**US 2011036136 A1 20110217**; AT E453464 T1 20100115; DE 102006014093 A1 20070927; DE 502007002488 D1 20100211; EP 2001615 A1 20081217; EP 2001615 B1 20091230; WO 2007109819 A1 20071004

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