

Title (en)

Device for stepwise bending of metal sheets or strips

Title (de)

Vorrichtung zum schrittweisen Biegen von Metallblech oder Metallbändern

Title (fr)

Dispositif de cintrage pas à pas des tôles ou des bandes métalliques

Publication

EP 1112788 B1 20020327 (DE)

Application

EP 99124175 A 19991203

Priority

EP 99124175 A 19991203

Abstract (en)

[origin: EP1112788A1] The bending device has a lower pressure cylinder (8) having a piston (9) displaced perpendicular to the horizontal machine bed, with an attached piston rod (12) supporting a pressure surface (13) cooperating with an axially displaced pressure die (15) on the upper side of the metal sheet or sheet metal band (27), held between 2 vertically and horizontally adjustable pressure clamps (2,18; 3,19) on opposite sides of the pressure cylinder and the pressure die.

IPC 1-7

B21D 11/18; **B21D 13/02**; **B21D 11/07**

IPC 8 full level

B21D 11/07 (2006.01); **B21D 11/18** (2006.01); **B21D 13/02** (2006.01)

CPC (source: EP US)

B21D 11/07 (2013.01 - EP US); **B21D 11/18** (2013.01 - EP US); **B21D 13/02** (2013.01 - EP US)

Cited by

CN103920768A; CN103934330A; CN113020388A; CN103521606A; CN103934335A; US2013277884A1; US9238260B2; CN112547857A; US7642481B2; US6834525B2; US9901973B2; WO2004045785A1

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EP 1112788 A1 20010704; **EP 1112788 B1 20020327**; AT E214981 T1 20020415; DE 59901091 D1 20020502; DK 1112788 T3 20020701; ES 2174568 T3 20021101; PT 1112788 E 20020830; US 6497131 B1 20021224

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