

Title (en)

Four-roll bending machine and method for bending, round bending and rolling sheet

Title (de)

Vierwalzenbiegemaschine und Verfahren zum An- und Rundbiegen bzw. -walzen von Blechen

Title (fr)

Machine de pliage à quatre cylindres et procédé de pliage et de cintrage ou de laminage en rond de tôles

Publication

EP 2433720 B1 20131113 (DE)

Application

EP 11181544 A 20110916

Priority

DE 102010041296 A 20100923

Abstract (en)

[origin: EP2433720A1] The machine (1) has a support frame (8) pivotably supported in a machine frame (2), where the support frame has an upper pressing piece (10) and a lower pressing piece (12) engaging at an upper roller (4) and a lower roller (5) during bending of a metal sheet. The lower pressing piece is vertically movable in the support frame. The upper pressing piece is fixedly fastened at the support frame such that the support frame is vertically movable. Degrees of freedom of the support frame are decoupled from a bottom (13) of the machine frame during bending and/or rolling of the metal sheet. An independent claim is also included for a method for bending, round bending and rolling of a metal sheet.

IPC 8 full level

B21D 1/05 (2006.01); **B21D 5/14** (2006.01)

CPC (source: EP)

B21D 5/14 (2013.01)

Cited by

CN104588459A; CN108580606A; CN104624745A; CN109047403A; CN105537334A; CN106363097A; ITTO20120710A1; CN104640646A; CN104607505A; CN108817149A; US9610625B2; WO2014024133A1

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EP 2433720 A1 20120328; EP 2433720 B1 20131113; DE 102010041296 A1 20120329; PL 2433720 T3 20140430

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