

Title (en)

AUTOMATIC LOADING UNIT FOR BENDING PIN SUPPORTING BARS

Title (de)

AUTOMATISCHE LADEEINHEIT ZUM BIEGEN VON STANGEN MIT STIFTHALTERUNGEN

Title (fr)

UNITÉ DE CHARGEMENT AUTOMATIQUE POUR BARRES SUPPORTANT DES AXES DE PLIAGE

Publication

EP 2536517 A1 20121226 (EN)

Application

EP 11703408 A 20110113

Priority

- IT UD20100027 A 20100215
- EP 2011050373 W 20110113

Abstract (en)

[origin: WO2011098316A1] An automatic loading unit (3) for bending pin supporting bars (7), which serves an automatic machine for bending electro-welded metal grids, and/or an automatic system for forming three-dimensional lattice-like frames derived from electro-welded steel grids. The automatic loading unit is provided with a magazine (9), which is horizontal or of another type, with a plurality of side-by-side stations which accommodate various bending pin supporting bars (7) having different geometric characteristics. The loading unit is arranged coaxially with the working axis of the bending machine. It can move automatically, arranging one bar at a time proximate to said machine and the upper carriage (6) provided with an adapted grip clamp so as to move it longitudinally and inserting it in the bending machine. The reverse operation likewise occurs automatically. Replacement or loading of the bar (7) on the bending machine occurs fully automatically without the direct manual intervention of the operators thereon.

IPC 8 full level

B21F 27/12 (2006.01); **B21D 11/12** (2006.01)

CPC (source: EP)

B21D 11/125 (2013.01); **B21D 37/145** (2013.01); **B21F 27/127** (2013.01)

Citation (search report)

See references of WO 2011098316A1

Cited by

EP4292726A1

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 2011098316 A1 20110818; EP 2536517 A1 20121226; EP 2536517 B1 20170607; IT 1398119 B1 20130207; IT UD20100027 A1 20110816

DOCDB simple family (application)

EP 2011050373 W 20110113; EP 11703408 A 20110113; IT UD20100027 A 20100215