Title (en)

Feeding system and relevant transversal feeder for entire bars or steel bars suitable for automatic plants producing electric welding wire netting with particular shapes

Title (de)

Zuführsystem und entsprechender transversaler Zuführer für ganze Stäbe oder Stahlstäbe für automatische Anlagen zur Herstellung von Elektroschweißdrahtgeflechten mit besonderen Formen

Title (fr)

Système d'alimentation et dispositif d'alimentation transversal correspondant pour des barres entières ou des barres d'acier adaptées pour des installations automatiques produisant un filet de fils de soudage avec des formes particulières

Publication

EP 2433724 B1 20140305 (EN)

Application

EP 11177842 A 20110817

Priority

IT UD20100173 A 20100927

Abstract (en)

[origin: EP2433724A1] The present invention regards a feeding method and a relative transversal feeding device for whole steel bars or wire rods for plants for the automatic production of electric welding wire netting (5) having shaped forms. The particular characteristic consists of the transversal feeding of the automatic electro-welding unit (10) with whole rectilinear bars (3) having a length that is equal to the sum of the various cropped pieces (3.1) that are obtainable from the same bar without waste. Said bars (3) are collected longitudinally along the plant and are transferred, in a multiple manner, supported by a relative arm (6) with 90° horizontal rotation hinged on a vertical axis (7), orthogonally above the machine. Here, the bars are positioned one at a time by means of screws (13) synchronized with the dragging unit (8) and cut to length (3.1) with automatic shears (9). The cropped pieces are transferred vertically, one at a time, to a lower level by a suitable parallel transfer device, where they are then collected by a horizontal loader and positioned near the electro-welding unit (10), where an automatic loader arranges them in position on the lower electrode to be electro-welded on the longitudinal bars.

IPC 8 full level

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CPC (source: EP)

B21F 23/005 (2013.01); **B21F 27/10** (2013.01); **B21F 27/20** (2013.01)

Cited by

CN112958732A; CN109290481A; CN108405767A; EP3546105A1; IT201800002827A1; EP2740559A1; WO2015149088A1; US10926315B2; WO2021209304A1

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DOCDB simple family (publication)

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