

Title (en)

AUTOMATED APPARATUS FOR THE DIFFERENTIAL ADVANCEMENT OF METAL RODS AND/OR BARS FOR THE CONSTRUCTION OF RECTILINEAR AND/OR CURVILINEAR ELECTRO-WELDED ELEMENTS, AND ASSOCIATED PRODUCTION METHOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ZUFÜHREN DER LÄNGSSTÄBE IN DER HERSTELLUNG VON GERADEN UND/ODER GEKRÜMMTEN METALLBEWEHRUNGEN

Title (fr)

APPAREIL ET MÉTHODE D'AVANCE AUTOMATIQUE DES BARRES / TIGES LONGITUDINALES DANS LA CONSTRUCTION DE CAGES D'ARMATURES LINEAIRES ET/OU CURVILINEAIRES

Publication

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Application

**EP 10747435 A 20100525**

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Abstract (en)

[origin: WO2010136421A2] The present invention relates to an automated apparatus for the differential advancement of metal rods and/or bars for the construction of rectilinear and/or curvilinear electro-welded elements for the production of electro-welded flat metal nets and/or of three-dimensional elements, wherein the automated apparatus comprises two similar lateral advancement assemblies which are arranged to face each other in the horizontal plane of the automated apparatus and to move in a step-by-step manner on respective paths which are parallel, the paths being also parallel to the feeding direction of the longitudinal metal rods and/or bars of the rectilinear and/or curvilinear electro-welded elements into the automated apparatus, each of the two similar lateral advancement assemblies having a respective protruding hinging arm, the two similar lateral advancement assemblies being mutually connected by a crossbar fitted with automated grippers to act on the longitudinal metal rods and/or bars, the automated grippers being adjustable along the length of the crossbar, the automated grippers being controlled to grab the longitudinal metal rods and/or bars in a retracted position, drag the longitudinal metal rods and/or bars forwards along the feeding direction thereof, release the longitudinal metal rods and/or bars in a forward position, and return to the retracted position, the crossbar being hinged to one of the protruding hinging arms by means of a simple hinge and to the other one of the protruding hinging arm by means of a double hinge. The invention also relates to a corresponding method.

IPC 8 full level

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