

Title (en)

Automatic assembler of concrete reinforcement

Title (de)

Maschine zur Herstellung von Bewehrungskäfigen

Title (fr)

Machine pour la fabrication des cages de renforcement

Publication

EP 1570929 B1 20060913 (EN)

Application

EP 04386027 A 20041021

Priority

GR 20040100084 A 20040305

Abstract (en)

[origin: EP1570929A1] The invention refers to an Automatic Assembler of Concrete Reinforcement, which assembles by method of welding the formed iron rods with straightened ones. <??>It consists of the frame (1) on which the immovable base (2) of the movable iron rod guides (3) is adjusted. <??>On the upper part is adjusted the mobile base (6) having the ability to move upwards-downwards. The base (6) has guides for the rod (3) that open and close. Also it has supporting bars of the formed shapes (9) as well as a system for automatic propulsion of the formed shape to the assembling point. <??>The assembling is accomplished by means of two mobile columns (10), which are adjusted on guides (11) in order to open and close and the whole system of the columns glides on the guides (12) forwards and backwards. <??>On the upper and lower part of each column (10) is adjusted the system of holding-welding and propulsion of the concrete reinforcement and it has the ability to move upwards and downwards. <??>The -ready for placement- concrete reinforcement is based on a corresponding bench (33). <??>All parts of the assembler are adjusted to the size of the concrete reinforcement. <IMAGE>

IPC 8 full level

B21F 27/12 (2006.01); **B21F 27/10** (2006.01)

CPC (source: EP)

B21F 27/10 (2013.01); **B21F 27/125** (2013.01)

Cited by

CN105057872A; EP1714716A1; WO2009077821A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1570929 A1 20050907; **EP 1570929 B1 20060913**; AT E339263 T1 20061015; DE 602004002375 D1 20061026; DE 602004002375 T2 20070906; DK 1570929 T3 20070122; ES 2273194 T3 20070501; PL 1570929 T3 20070228

DOCDB simple family (application)

EP 04386027 A 20041021; AT 04386027 T 20041021; DE 602004002375 T 20041021; DK 04386027 T 20041021; ES 04386027 T 20041021; PL 04386027 T 20041021