

Title (en)

Apparatus and method for manufacturing beam-reinforcement latticework-like wire structure on a just-in-time basis

Title (de)

Vorrichtung und Verfahren zur just-in-time Herstellung eines Bewehrungselementes vom Typ Gitterträger

Title (fr)

Appareil et procédé de fabrication en juste à temps d'un élément d'armature de type poutre en treillis

Publication

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Application

EP 07150103 A 20071219

Priority

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Abstract (en)

The present invention relates to an apparatus for manufacturing latticework-like wire structures intended as reinforcement structures for beams and girders, such as in particular concrete beams and girders, and the related manufacturing method. An apparatus according to the present invention comprises a first in-feeding unit (1) adapted to supply a plurality of first wires, a second in-feeding unit (2) supplying a plurality of second wires (9) to a forming unit (4) provided with forming means (6) adapted to bend said second wires (9), a welding unit (5) for joining said first and second wires to each other. The apparatus according to the present invention is characterized in that said forming unit (4) comprises cutting means (14) adapted to cut off the second wires (9), and in that a selection unit (3) adapted to select said second wires (9) is provided upstream to said forming unit (4) for selecting said second wires (9) according to the gauge thereof.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] EP 0355776 A2 19900228 - BITTLMAYER HUGO
- [A] EP 1199117 A2 20020424 - GUERRIERI GIULIANA [IT]
- [A] GB 707525 A 19540421 - HANS PETER GEORGH
- [A] MEP: "AUTOMATIC PRODUCTION OF REBAR FROM WIRE UP TO 16 MM", WIRE INDUSTRY, MAGNUM PUBLICATIONS LTD. OXTED, GB, vol. 63, no. 751, 1 July 1996 (1996-07-01), pages 462, XP000622583, ISSN: 0043-6011

Citation (examination)

DE 10037281 A1 20010503 - FILZMOSEER FRANZ [AT]

Cited by

CN105170746A; CN102500721A; CN106541057A; CN102389930A; CN109604485A; WO2022127056A1

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