

Title (en)

METHOD FOR ASSEMBLING REINFORCEMENTS FOR CONCRETE ELEMENTS, AND APPARATUS THEREFOR

Title (de)

VERFAHREN ZUR MONTAGE VON BETONBEWEHRUNGEN UND ANLAGE FUER DIE DURCHFUEHRUNG DIESES VERFAHRENS

Title (fr)

PROCEDE D'ASSEMBLAGE D'ARMATURES POUR PRODUITS EN BETON ET INSTALLATION ADAPTEE A SA MISE EN UVRE

Publication

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Application

**EP 96905890 A 19960229**

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Abstract (en)

[origin: US6029880A] PCT No. PCT/FR96/00318 Sec. 371 Date Aug. 29, 1997 Sec. 102(e) Date Aug. 29, 1997 PCT Filed Feb. 29, 1996 PCT Pub. No. WO96/27462 PCT Pub. Date Sep. 12, 1996A method for preparing and assembling a planar reinforcement for a concrete element according to a pre-determined design plan, wherein a full-sized plan including the position and type of each element in the reinforcement to be achieved is mapped onto a working surface (30) having two reference directions, a suitable reinforcement element is positioned in each of a plurality of crossing points. The method is characterised in that one or both of the mapping and assembling operations are performed by a tool attached to the carriage of a robot (10), said carriage (10) having at least two degrees of freedom parallel to the reference directions. The method further comprises storing all the design plan data in a storage area of the robot, and using the robot to move the carriage (10) automatically in accordance with said data.

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