

Title (en)

Method for reinforcing of concrete slabs, device for carrying out the method as well as lattice girders.

Title (de)

Verfahren zum Bewehren von Betonplatten, Vorrichtung zur Durchführung des Verfahrens sowie Gitterträger.

Title (fr)

Procédé pour armer des plaques en béton, dispositif pour la mise en oeuvre du procédé ainsi que poutres en treillis.

Publication

**EP 0355776 B1 19950510 (DE)**

Application

**EP 89115408 A 19890821**

Priority

DE 3828596 A 19880823

Abstract (en)

[origin: EP0355776A2] The invention relates to a method for reinforcing concrete slabs, a device for carrying out the method as well as lattice girders (1) which can be manufactured by this means. The reinforcing structure made from lattice girders, which is designed in conventional manner to meet static requirements, is composed of individual wire rods of suitable diameter and suitable length. In particular, the diagonal rods (5, 6), which are firmly connected, in particular welded, via bases (7, 8) to the bottom booms (3, 4) and via vertices (9) to the top boom (2), can be produced individually in this way, varying over the length of the lattice girder (1). In particular, they can be produced in accordance with static requirements with a different base distance (a3) and/or different shape and/or different bending radius and/or different diameter. Furthermore, the neighbouring bases of neighbouring diagonal rods (5, 6) may be at different distances (a2) from one another. In this way, a cutting-free production of lattice girders (1), which meets static requirements in each case without fail, is possible. It is ensured that the terminal bases (7) of the terminal diagonal rods (5) are firmly connected to the respective bottom boom (4) and, if appropriate, are at a safe distance (a1) from the end of the bottom boom. In order to produce the diagonal rods (5, 6) and the booms (2 to 4), appropriate wire rods can be taken from a stock of wire coil, straightened and cut into suitable lengths. Positioning and/or sorting is expedient. The method makes possible considerable rationalisation in the manufacture of concrete slabs. Furthermore, a considerably saving of steel can be achieved. <IMAGE>

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Cited by

EP2604768A1; EP2599929A1; DE4031383A1; AU745007B2; EP1982779A1; EP3141314A1; EP3888813A1; US7607210B2; US9561557B2

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