

Title (en)

PREFABRICATED ELEMENT FOR CREATING A REINFORCED CONCRETE SLAB AND SLAB THUS CREATED

Title (de)

VORGEFERTIGTES ELEMENT ZUR HERSTELLUNG EINER STAHLBETONPLATTE UND SO HERGESTELLTE PLATTE

Title (fr)

ELEMENT PREFABRIQUE POUR LA REALISATION D'UNE DALLE EN BETON ARME ET DALLE AINSI REALISEE

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Application

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Priority

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Abstract (en)

[origin: WO2009087321A1] The subject of the invention is a prefabricated element for creating a reinforced concrete slab (D) comprising at least two longitudinal metal girders (2), a reinforced concrete sheet (3) in which the lower sole plates (21) of the girders (2) are embedded, and means of transverse connection between the longitudinal girders (2), the said concrete sheet (3) constituting formwork for pouring a layer of concrete (11) in which the longitudinal girders (2) are embedded so as to form a slab (D). According to the invention, the means of connection between the longitudinal girders (2) consist of two layers of reinforcements (4, 4') running transversely between the respectively lower (21) and upper (22) sole plates of the said girders (2) and fixed rigidly thereto so as to form, with the said girders (2), a monolithic cage of metalwork capable of withstanding the bending loads applied in the longitudinal direction and in the transverse direction by collaborating with the sheet of concrete (3), particularly while the element (1) is being transported and laid on its supports (61, 7). The invention makes it possible, in particular, to create the deck of a bridge resting on at least two spaced-apart supports.

IPC 8 full level

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