

Title (en)  
Slab element

Title (de)  
Deckenelement

Title (fr)  
Élément de dallage

Publication  
**EP 2752528 A1 20140709 (EN)**

Application  
**EP 13150286 A 20130104**

Priority  
EP 13150286 A 20130104

Abstract (en)

The slab element comprises a surface plate (10), a bottom plate (12) and an insulation layer (14) between the surface plate and the bottom plate. The surface plate has gripping members (16) for gripping a concrete casting. The slab element can be used as a structural part of steel-concrete composite slabs, where the slab element during the concrete casting forms a mould surface beneath the slab and after the hardening of the concrete a fixed part of the composite slab. The insulation layer has at least one elongated tensile stress member (36), such as a wire or a bar, which increases the bending strength of the slab element. The first and/or second end of the tensile stress member can have a tightening member for producing tensile stress in the tensile stress member. With the aid of the tensile stress member a compression stress can be formed in the lower edge of the slab element, which compression stress makes the slab element curve upwards. A pre-elevation can thus be produced in the slab element before the concrete is cast, which pre-elevation can compensate for the bending caused by the concrete mass set onto the slab element.

IPC 8 full level  
**E04B 5/40** (2006.01)

CPC (source: EP)  
**E04B 5/40** (2013.01)

Citation (applicant)

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- FI 61066 B 19820129 - HOME MATTI
- WO 2009010994 A1 20090122 - METECNO SPA [IT], et al

Citation (search report)

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- [X] DE 2116069 A1 19721012
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Designated contracting state (EPC)

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