Title (en)
PERMANENT FORM ELEMENT AS PART OF A CONCRETE FLOOR, METHOD OF PRODUCING A CONCRETE SLAB FOR THIS FORMWORK AND ANCHORING DEVICE THEREFOR

Publication
EP 0039931 B1 19840815 (DE)

Application
EP 81103541 A 19810508

Priority
DE 3017840 A 19800509

Abstract (en)
[origin: EP0039931A2] 1. Permanent formwork for a concrete floor or ceiling slab comprising at least two mutually adjoining prefabricated concrete plate elements (1, 2), wherein at least one base portion (14, 34, 35, 42, 43, 47, 51, 52) of an anchor (10, 31) is anchored in the concrete of each of the adjacent plate elements (1, 2, 32, 33) in the edge regions of said plate elements that adjoin the respective abutting edges thereof, said base portion being force-lockingly connected to a head portion (16, 36, 44, 53) which projects out of the top (15) of the plate and which, at a spacing therefrom, has a contact surface for a connecting member (11, 38) for connecting two adjacent anchors (10, 31), characterised in that said anchors (10, 31) are fitted in the edge region of two adjacent plate elements (1, 2, 32, 33) which are rigid for assembly thereof, in such a way that the contact surfaces of the head portions (16, 36, 44, 53) are disposed at a predetermined height above the underside of the respective plate elements, so that the connecting member (11, 38) secures the undersides of adjacent plate elements in an aligned condition in a vertical respect and is clamped against the contact surfaces of two adjacent anchors (10, 31) and the transverse forces which occur when clamping the connecting member and when concreting the slab (1) can be transmitted by way of the two anchors (10, 31) and the associated connecting member (11, 38).

IPC 1-7
E04B 5/36; E04B 1/41

IPC 8 full level
E04B 1/41 (2006.01); E04B 5/36 (2006.01)

CPC (source: EP)
E04B 1/41 (2013.01); E04B 5/36 (2013.01)

Cited by
EP2525006A1; CN110106970A; US11142916B2; NL2006790C2; US11624191B2; US8844239B2

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