

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 A3 19811230 (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)

Citation (search report)

- [X] US 2844024 A 19580722 - LEONARD MCDONALD JAMES
- FR 2161843 A2 19730713 - RECH ETUDES TECH [FR]
- AT 314781 B 19740425 - WERNER WEISSENBOECK ING, et al
- EP 0001095 A2 19790321 - MICHEL REINHOLD
- US 3478481 A 19691118 - HEIERLI WERNER, et al
- DE 1006137 B 19570411 - SIPOREX INT AB
- [A] US 3360898 A 19680102 - BECKMAN MELVIN H
- [X] LU 67357 A1 19730618
- [P] Betonwerk + Fertigteil-Technik-Bauverlag, GmbH, Heft 4, 1981, seiten 214-216 Wiesbaden, DE P. SCHIESSL: "Montaquick-Entwicklung und Anwendung einer Montagesteifen Fertigplatte".

Cited by

EP2525006A1; CN110106970A; US11142916B2; NL2006790C2; US11624191B2; US8844239B2

Designated contracting state (EPC)

AT BE CH FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0039931 A2 19811118; **EP 0039931 A3 19811230**; **EP 0039931 B1 19840815**; AT E9018 T1 19840915; DE 3017840 A1 19811119; DE 3017840 C2 19840517

DOCDB simple family (application)

EP 81103541 A 19810508; AT 81103541 T 19810508; DE 3017840 A 19800509