

Title (en)

Mould with movable parts for precast concrete units.

Title (de)

Schalung mit beweglichen Teilen für Beton-Fertigteile.

Title (fr)

Coffrage à éléments mobiles pour pièces préfabriquées en béton.

Publication

EP 0139215 A1 19850502 (DE)

Application

EP 84110970 A 19840913

Priority

DE 3332981 A 19830913

Abstract (en)

1. A manufacturing device for the fabrication of relatively large, plate-like finished concrete parts, more particularly finished slabs in the shape of so-called hollow concrete slabs, which have a plurality of cylindrical and parallel cavities, with the following features : a) mould elements (5), more particularly tubes, which are arranged accordingly, are provided for moulding and can be mechanically displaced substantially horizontally along guides, between an inserted position (11), located in the mould space (10) which is to be filled with concrete and designed both for the finished part or for a plurality of finished parts, and a withdrawn position (12), which is taken up after concreting and is located outside the mould space (10), b) the mould space (10) is limited or subdivided by a pallet (8), which is arranged so that it can be pushed in or pulled out and which forms the approximately horizontal mould base (9), and by side walls (3), which are approximately parallel to the direction of displacement of the mould elements (5) and are arranged to the side of the mould elements (5) at the longitudinal edges of the pallet (8), and also by transverse walls (transverse stop means) (7) and in some cases longitudinal stop means, c) the side walls (3) each have an upper (15), a middle (17) and a lower (19) wall portion, in which the middle wall portion (17) projects relative to the lower portion (17) and the upper portion (15) into the interior (10) of the mould space, being characterised by the following features : d) the upper wall portion (15) is slightly inclined upwardly towards the mould space (10) and is guided for displacement approximately at right angles to the pallet (8), e) the middle wall portion (17) is formed by a wall element (6) which can be displaced together with the mould elements (5) between the moulding position (13) or the inserted position (11) and the mould release position (14) or the withdrawn position (12), f) the lower wall portion is formed by a side wall extension (19) of the pallet (8), on which the wall element (6) is guided.

Abstract (de)

Herstellungsg r t f r die Fertigung plattenf rmiger Beton-Fertigteile, die eine Vielzahl von zylinderf rmigen, parallel verlaufenden Hohlr umen aufweisen, zu deren Ausformung zylindrische Formk rper (5) vorgesehen sind, die maschinell zwischen einer Einschiebelage in dem Formraum (10) und einer Ausziehlage (12) etwa horizontal versetzbar sind, zur Herabsetzung des Herstellungsaufwandes und der Bearbeitungszeit, wobei die Seitenschalungen in ihrem oberen Kantenbereich nach innen leicht geneigte und etwa senkrecht zum Formraumboden (9) versetzbar gef hrte Wandungsteile aufweisen wobei Wandungsteile von Wandungsk rpern (6) in der Art der Formk rper (5) angeordnet sind, die etwa horizontal zwischen einer Ausformungslage und einer Entformungslage (14) versetzbar sind, wobei die Wandungsk rper (6) in der Ausformungslage weiter in das Formrauminnere hineinragen als die Kanten der angrenzenden Wandungsabschnitte.

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IPC 8 full level

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CPC (source: EP)

B28B 7/186 (2013.01)

Citation (search report)

- CH 615616 A5 19800215 - KRAEMER BETONWERK ALOIS [DE]
- SOVIET INVENTIONS ILLUSTRATED, Sektion P,Q; Woche 80/46, 2. Janner 1980 DERWENT PUBLICATIONS LTD. London, P 64; & SU-A-648413 (NIKULUSHKIN)

Cited by

FR2649638A2; CN114654570A; WO9624476A1

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