

Title (en)

Method and apparatus for constructing long span, shell-shaped, substantially horizontal concrete structures.

Title (de)

Verfahren und Vorrichtung zum Herstellen von schalenförmigen, im wesentlichen horizontalen Betonkonstruktionen mit grossen Spannweiten.

Title (fr)

Procédé et dispositif pour la construction de structures en béton pratiquement horizontale de grande longueur et en forme de coquille.

Publication

EP 0500221 A1 19920826 (EN)

Application

EP 92300692 A 19920127

Priority

NO 910317 A 19910128

Abstract (en)

Method and apparatus for constructing long span reinforced shell-shaped, substantially horizontal concrete structures. The concrete structures are constructed in a continuous casting process by utilizing an inclined casting surface (26) and by applying a completely or partly displaceable or movable formwork (27). The formwork (27) comprises a number of joining formwork modules (18) which repeatedly are moved from the front end (31) of the formwork to the rear end (33) of the formwork. Reinforcement are mounted and prestressing cables are tightened, and these operations are carried out independently of the casting process. During the continuous casting process, the complete structure is sequentially moved in a forward direction with and without the formwork until the concrete structure has achieved a desired length. <IMAGE>

IPC 1-7

E01D 21/04; **E21D 10/10**

IPC 8 full level

E01D 21/06 (2006.01); **E02D 29/067** (2006.01)

CPC (source: EP)

E01D 21/065 (2013.01); **E02D 29/067** (2013.01)

Citation (search report)

- [A] DE 2135867 A1 19730201 - DYCKERHOFF & WIDMANN AG
- [A] EP 0278078 A1 19880817 - STRABAG BAU AG [DE]
- [A] DE 1247369 B 19670817 - HOLZMANN PHILIPP AG
- [A] DE 2743273 B1 19790111 - DYCKERHOFF & WIDMANN AG

Cited by

US11938651B2; DE102017203772A1; US2021138687A1; EP2910687A1; WO2018153670A1; WO2018162332A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0500221 A1 19920826; NO 171688 B 19930111; NO 171688 C 19930421; NO 910317 D0 19910128; NO 910317 L 19920729

DOCDB simple family (application)

EP 92300692 A 19920127; NO 910317 A 19910128