

Title (en)

Method of fabricating a concrete in the form of a dome, a cone or a pyramid for building construction and civil engineering

Publication

EP 0138197 A2 19850424 (DE)

Application

EP 84112215 A 19841011

Priority

AT 366983 A 19831014

Abstract (en)

1. A process for the manufacture of a dome-shaped, cone-shaped or pyramid-shaped concrete covering for building construction and civil engineering, particularly for container-like structures, with which consecutively annular sections issuing from the top edge of the enclosing wall of the structure are manufactured ; during manufacture of the first, annular section (A), which is attached to the encircling wall (1), radial supports (6) of a concrete form construction bearing on and consequently being supported on the encircling wall (1) on the one hand and a supporting structure (7, 8) running parallel to the encircling wall (1) and at a distance therefrom on the other hand, and during manufacture of the additional, annular sections (B, C) the radial supports (6) being supported by means of their internal ends on the supporting structure (7, 8) which is displaced towards the centre of the structure according to the width of the section (B, C), and being suspended by means of their external ends, which are directed towards the encircling wall, on the inner edge area of the hardened, annular section (A, B or C) of the covering, which edge area has been constructed without suspender beam supports or bearer supports, and during manufacture of the annular sections (A, B, C) through-going openings for passage of securing elements for the radial supports (6) are provided on these annular sections, these openings being approximately in the vertical direction and on the inner edge area of the sections, which edge area is flat on the upper and lower side.

Abstract (de)

Bei behälterartigen Bauten werden von der Oberkante der Umfassungswand (1) des Baues ausgehend aufeinanderfolgend ringförmige Abschnitte (A, B, C) der Abdeckung (2) hergestellt. Radialträger (6) einer Schalungskonstruktion werden beim Herstellen des ersten, an die Umfassungswand (1) anschließenden ringförmigen Abschnittes (A) einerseits auf der Umfassungswand (1) und andererseits an einem mit Abstand parallel zur Umfassungswand (1) verlaufenden Traggerüst (7, 8) abgestützt. Bei der Errichtung der weiteren, ringförmigen Abschnitte (B, C) werden die Radialträger (6) einerseits mit ihren innenliegenden Enden an dem entsprechend der Breite des Abschnittes (B, C) gegen das Zentrum des Baues hin verschobenen Traggerüst (7, 8) abgestützt und andererseits mit ihren außenliegenden Enden am Randbereich des ausgehärteten ringförmigen Abschnittes (A, B oder C) der Abdeckung (2) aufgehängt.

IPC 1-7

E04G 11/04

IPC 8 full level

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CPC (source: EP)

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