Title (en)

CONTROLLING ELECTRICAL BIAS FOR FACILITATING STRIKING OF A REINFORCED-CONCRETE WALL

Title (de)

STEUERUNG DER ELEKTRISCHEN VORSPANNUNG ZUR ERLEICHTERUNG DES AUSSCHALENS EINER STAHLBETONWAND

Title (fr)

COMMANDE DE LA POLARISATION ELECTRIQUE DE FACILITATION DU DECOFFRAGE D'UNE PAROI EN BETON ARME

Publication

EP 4031727 A1 20220727 (FR)

Application

EP 20820261 A 20200918

Priority

- FR 1910394 A 20190920
- FR 2020051613 W 20200918

Abstract (en)

[origin: WO2021053303A1] The method for controlling electrical bias facilitating striking of a reinforced-concrete wall from the electrically conductive formwork face of a formwork panel forming part of formwork defining a formwork space, when a metal frame has been arranged in this space and chosen regular concrete, suitable for electrical bias and batched beforehand, has been poured therein and compacted at the time T1, by applying an electrical potential difference ΔV between the formwork face and the frame, such that: for the chosen concrete, the time ΔTa between the batching time T0 and the theoretical time T2 of the onset of setting of the concrete is available, and the start of the application of the electrical potential difference ΔV is commanded at a time T3 that is after the time T1 by a delay ΔTc equal to (T0 – T1) + (ΔTa – ΔTb), wherein ΔTb is a duration of anticipation of the onset of setting of the concrete.

IPC 8 full level

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CPC (source: EP)

B28B 11/242 (2013.01); **B28B 13/065** (2013.01); **B28B 17/0081** (2013.01); **E04G 19/00** (2013.01)

Citation (search report)

See references of WO 2021053303A1

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