

Title (en)

Process for the construction of structures under an embankment of a railroad or the like

Title (de)

Verfahren zur Konstruktion von Bauwerken unter der Böschung einer Eisenbahnstrecke oder dergleichen

Title (fr)

Procédé pour la construction d'ouvrages sous un talus de support d'une voie ferrée ou analogue

Publication

EP 0611848 B1 19960710 (FR)

Application

EP 93402960 A 19931207

Priority

FR 9301939 A 19930219

Abstract (en)

[origin: EP0611848A1] Process for constructing a structure under an embankment of a railway (1) or of a roadway, consisting in temporarily cutting the track (road) (1) in line with the intended location in the embankment (2) of this track for the passage to be produced, and in digging a ditch (25) by excavating the ground at this location, characterised in that it consists in manufacturing or arranging, in advance, on at least one side of the ditch (25), optionally in both of the sides of this ditch, on either side of the embankment and opposite each other, at least one flat support and guide reinforcement (3) for a hollow concrete frame (13), the frame (13) being borne by the reinforcement (3) outside the ditch (25), in fitting, parallel to the side edges of the hollow frame (13), at least one traction cable (20), this cable (20) being solidly attached at one end to a fixed anchoring point (12, 28), while the other end engages with a jack (actuator) (19) borne by the frame (13), so that the traction force exerted on the cable (20) by the jack (19) is converted, owing to the reaction on the anchoring boss (12, 28), into a thrust effect on the frame (13), which progressively slides over the reinforcement (3) then over the ground in the ditch (25), in order to cause it to penetrate directly into this ditch, in front of the reinforcement (3).

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IPC 8 full level

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CPC (source: EP)

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Cited by

NL1013611C2; CN105113423A; CN115094778A; FR2749331A1; EP0952307A1; FR2777924A1; CN110359489A; EP1820934A1; CN110359491A; CN114718580A

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