

Title (en)

Method for realising a pre- or post-stressed construction and method of producing strands used in such a method

Title (de)

Verfahren zur Realisierung eines vor- oder nachgespannten Bauwerks und Verfahren zur Herstellung von Litzen zur Verwendung in einem solchen Verfahren

Title (fr)

Procédé de réalisation d'un ouvrage de construction pré- ou post-contraint, et procédé de fabrication de torons employés dans un tel procédé de réalisation

Publication

EP 0863277 A1 19980909 (FR)

Application

EP 98400427 A 19980220

Priority

FR 9702013 A 19970220

Abstract (en)

A strand of wire (3) is claimed for construction works comprising several stranded solid wires (6, 7) between which it incorporates some internal interstices (I), certain at least of these wires (7) having a portion of their surface exposed to the environment around the strand. A filling material preventing the penetration of liquid from the environment around the strand is present in the internal interstices. A method for the fabrication of such a strand is also claimed and consists of the following steps:- a) stranding the peripheral wires (7) around the central wire (6) to form the strand (3); b) slackening the strand (3); c) arranging the filling material (9) on the central wire (6) of the slackened strand (3), between the peripheral wires (7); and d) retightening the strand in a manner such that the filling material fills the interstices (I) in the shape of a curvilinear triangle presented between the central wire (6) and the peripheral wires (7). A method of construction using this strand is also claimed.

Abstract (fr)

Pour précontraindre des ouvrages de construction au moyen de torons ancrés, on utilise un toron composé plusieurs fils pleins toronnés (6, 7) entre lesquels il comporte des interstices internes (i). Certains au moins de ces fils (7) ont une portion de leur surface qui est exposée de manière que l'ancrage du toron soit facilité et que, après installation du toron dans une gaine dans laquelle on injecte un coulis, le coulis vienne au contact de ces portions de surface exposées. Une matière de remplissage est présente dans les interstices internes du toron de manière à empêcher l'infiltration du liquide inclus dans le coulis entre les fils et le cheminement de ce liquide le long des interstices (i). <IMAGE>

IPC 1-7

E04G 21/12; E04C 5/08; D07B 7/14; D07B 1/14

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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