

Title (en)
METHODS AND DEVICES FOR PRESTRESSING CONCRETE AND SIMILAR STRUCTURES

Publication
EP 0128098 A3 19850626 (FR)

Application
EP 84401128 A 19840604

Priority
FR 8309278 A 19830603

Abstract (en)
[origin: US4586303A] The invention relates to a concrete work prestressed by means of tensioned reinforcements (7) having bell shaped ends (71) and formed from an alternate succession of first sections housed, with interposition of an injected cement, in metal sheaths (9) themselves embedded in the concrete and rectilinear sections outside the concrete. For easy replacement of these reinforcements, the first sections have a rectilinear or curved shape of an arc of a circle and they are housed in plastic material tubes (10) adapted to slide against the metal, the tube ends situated at the level of the bell mouthed reinforcement ends (71) being themselves given the shape of open mouthed sleeves (11) made from plastic material.

IPC 1-7
E04G 21/12; **E04C 5/12**; **E01D 7/02**

IPC 8 full level
E01D 19/14 (2006.01); **E04C 5/12** (2006.01); **E04G 21/12** (2006.01)

CPC (source: EP US)
E01D 19/14 (2013.01 - EP US); **E04C 5/12** (2013.01 - EP US); **E04G 21/12** (2013.01 - EP US); **E01D 2101/28** (2013.01 - EP US)

Citation (search report)
• [Y] FR 2277953 A1 19760206 - STUP PROCEDES FREYSSINET [FR]
• [A] FR 2488642 A1 19820219 - DYCKERHOFF & WIDMANN AG [DE]
• [A] FR 2516574 A1 19830520 - FREYSSINET INT STUP [FR]
• [X] BETON- UND STAHLBETONBAU, vol. 78, no. 6, juin 1983, pages 162-164, Verlag Wilhelm Ernst & Sohn, Berlin, DE; M. HOLZAPFEL et al.: "Entstehung und Beseitigung von Risssschäden an einer Spannbetonbrücke"
• [Y] INTERNATIONAL CONSTRUCTION, vol. 11, no. 5, mai 1972, pages 33-43, Business Press International Ltd., Surrey, GB; C.H.S. TUPHOLME: "New concrete bridges with special features"
• [A] CIVIL ENGINEERING AND PUBLIC WORKS REVIEW, vol. 66, no. 783, octobre 1971, pages 1104-1105, Morgan-Crampion Ltd., Londres, GB; W.W. YOUNG et al.: "New technique for unbonded tendons"

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EP0606820A1; US9284700B2; WO0014357A3; WO2013150329A1

Designated contracting state (EPC)
AT BE CH DE GB IT LI NL SE

DOCDB simple family (publication)
EP 0128098 A2 19841212; **EP 0128098 A3 19850626**; **EP 0128098 B1 19870715**; AT E28345 T1 19870815; DE 3464777 D1 19870820; FR 2546946 A1 19841207; FR 2546946 B1 19860418; US 4586303 A 19860506

DOCDB simple family (application)
EP 84401128 A 19840604; AT 84401128 T 19840604; DE 3464777 T 19840604; FR 8309278 A 19830603; US 61526584 A 19840530