

Title (en)

Stressed steel reinforcement for prestressed concrete sleepers with grouted anchoring.

Title (de)

Spannstahlbewehrung in Spannbetonschwellen mit Vorspannung mit nachträglichem Verbund.

Title (fr)

Armature tendue en acier pour traverses en béton précontraint avec ancrage injecté.

Publication

EP 0624697 A1 19941117

Application

EP 94103556 A 19940309

Priority

DE 4315402 A 19930508

Abstract (en)

In order to avoid permanent cracks in the case of prestressed-concrete sleepers with post-tensioning which are subjected to high loading, it is proposed to use as stressing reinforcement, in place of the hitherto-used smooth hairpin-shaped stressing bars, those of profiled cold-drawn steel. <IMAGE>

Abstract (de)

Um bei hochbeanspruchten Spannbetonschwellen mit nachträglichem Verbund die Bildung von bleibenden Rissen zu vermeiden wird vorgeschlagen, als Spannbewehrung anstelle der bisher verwendeten glatten haarnadelförmigen Spannstäbe solche aus profiliertem kaltgezogenen Stahl zu verwenden. <IMAGE>

IPC 1-7

E04C 5/03

IPC 8 full level

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CPC (source: EP)

B28B 7/303 (2013.01); **B28B 23/046** (2013.01); **B28B 23/06** (2013.01); **E01B 3/34** (2013.01); **E04C 3/26** (2013.01); **E04C 5/03** (2013.01); **E04C 5/08** (2013.01); **E04C 5/10** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT CH DE ES FR IT LI PT

DOCDB simple family (publication)

EP 0624697 A1 19941117; **EP 0624697 B1 20000719**; AT E194862 T1 20000815; DE 59409453 D1 20000824; EP 0625414 A1 19941123; ES 1026242 U 19940401; ES 1026242 Y 19940901; ES 2112216 T1 19980401; ES 2112216 T3 20001101; PT 624697 E 20001229

DOCDB simple family (application)

EP 94103556 A 19940309; AT 94103556 T 19940309; DE 59409453 T 19940309; EP 93113953 A 19930901; ES 9302885 U 19931104; ES 94103556 T 19940309; PT 94103556 T 19940309