

Title (en)

METHOD FOR STRENGTHENING AND/OR RESTORING REINFORCED OR PRESTRESSED CONCRETE SUPPORTING STRUCTURES, AND DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR ERTÜCHTIGUNG UND/ODER SANIERUNG VON STAHLBETON- ODER SPANNBETON-TRAGWERKEN SOWIE VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE POUR RENFORCER ET/OU ASSAINIR DES SYSTEMES PORTEURS EN BETON ARME OU EN BETON PRECONTRAINTE, ET DISPOSITIF PERMETTANT DE METTRE LEDIT PROCEDE EN OEUVRE

Publication

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Application

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Priority

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Abstract (en)

[origin: US6385940B1] A reinforced or prestressed concrete structure is strengthened and/or restored by attaching a strip-shaped tensional member thereto. Prior to attaching the tensional member, a central portion thereof is prestressed. Then, the tensioned central portion is bonded to a concrete surface of the concrete structure by a first adhesive having a high deformation modulus. Thereafter, the non-prestressed end portions of the tensional member are bonded to the concrete surface by a second adhesive having a low deformation modulus, whereby the second adhesive is substantially less deformable than the first adhesive.

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