

Title (en)

Method for protecting concrete-embedded reinforcing elements against oxidation effects

Title (de)

Verfahren zum Schützen gegen Oxydations-Effekte von in Beton eingebettete Bewehrungselemente

Title (fr)

Procédé de protection contre les effets de l'oxydation sur des armatures actives noyées dans une masse de béton

Publication

EP 0733757 B1 20010627 (FR)

Application

EP 95870020 A 19950306

Priority

- EP 95870020 A 19950306
- US 70967896 A 19960909

Abstract (en)

[origin: EP0733757A1] The reinforcements (2) to be protected are assemblies of wires or rods in a duct, within the mass of concrete. To overcome imperfections from the concrete production, such as porosity or voids, a hole (4) is bored in the concrete up to the reinforcement. A corrosion inhibiting solution is then injected into the bore and a pulsating wave of high power applied. This ensures penetration of the solution. The reinforcement may be pre or post stressed and after injection of inhibiting solution, the voids may be filled by injection with cement. The solution may be introduced under pressure, using a pulsating pump (5). Alternatively, an ultrasonic high power emitter may be used, instead of a pulsating pump.

IPC 1-7

E04G 23/02

IPC 8 full level

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CPC (source: EP US)

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Cited by

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