

Title (en)

Method for protecting and for restoring construction elements subject to cracks like reinforced concrete elements

Title (de)

Verfahren zum Schutz und zur Instandsetzung rissgefährdeter Stahlbetonbauteile sowie Stahlbetonbauteil

Title (fr)

Méthode de protection et de restauration d'éléments de construction sujets à fissuration tels que des éléments en béton armé

Publication

EP 1598504 A3 20060510 (DE)

Application

EP 05011001 A 20050520

Priority

DE 102004025483 A 20040521

Abstract (en)

[origin: EP1598504A2] The method involves determining the areas of the steel concrete part which are at risk of cracking, introducing a seam perpendicular to the main lines of stress and treating the seam with a pore-filling impregnating substance, introducing a gap filling hose (3) into the seam and then filling it out with a resilient mass (4). The walls of the seam are treated with a primer before the filler hose is introduced. The seam preferably has a width of less than 10 mm. Independent claim describes steel concrete part such as car park plate which has on underneath side a seam gap perpendicular to main stress lines filled as above.

IPC 8 full level

E04B 1/68 (2006.01); **E04G 23/02** (2006.01)

CPC (source: EP)

E04B 1/6801 (2013.01); **E04G 23/0203** (2013.01); **E04G 23/0218** (2013.01)

Citation (search report)

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- [Y] DE 3518189 A1 19861204 - ZIMMERMANN HARTMUT
- [DA] EP 1102731 A1 20010530 - PLEYERS GERD DIPL ING [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 171 (M - 1108) 30 April 1991 (1991-04-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 667 (M - 1524) 9 December 1993 (1993-12-09)

Cited by

CN110130643A; CN108625618A; CN112343364A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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