

Title (en)

METHOD FOR REPAIRING AND REINFORCING EXISTING CONCRETE STRUCTURE AND RESIN

Title (de)

METHODE ZUM REPARIEREN UND VERSTÄRKEN VON BESTEHENDEN BETONSTRUKTUREN UND DABEI VERWENDETES HARZ

Title (fr)

PROCEDE POUR REPARER ET RENFORCER UNE STRUCTURE EXISTANTE EN BETON ET RESINE CON UE A CET EFFET

Publication

**EP 1083274 A4 20050302 (EN)**

Application

**EP 99922484 A 19990526**

Priority

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Abstract (en)

[origin: EP1083274A1] The present invention relates to repair and reinforcement of existing concrete structures such as bridge footings and buildings. The repairing and reinforcing method of the present invention is characterized by applying a reinforcement fiber sheet material having a resin content of 15% by weight or less to the surface of the existing concrete structure while being impregnated with a resin having a viscosity within a range of 2.5-300 poise and a curing time within a range of 1-24 hours, and curing the resin. According to this method, existing concrete structures can be repaired and reinforced easily in a short time without being influenced by temperature conditions on execution, while providing concrete structures with high strength.

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**E04G 23/02**

IPC 8 full level

**E04G 23/02** (2006.01)

CPC (source: EP KR)

**E04G 23/02** (2013.01 - KR); **E04G 23/0218** (2013.01 - EP); **E04G 2023/0251** (2013.01 - EP)

Citation (search report)

- [X] EP 0598591 A2 19940525 - TONEN CORP [JP]
- [X] EP 0837201 A1 19980422 - FREYSSINET INT STUP [FR]
- [A] EP 0709524 A1 19960501 - TONEN CORP [JP]
- [A] GB 2295637 A 19960605 - SHO BOND CORP [JP]
- See references of WO 9961725A1

Cited by

CN108753223A; US9321686B2; WO2014144575A1

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**EP 1083274 A1 20010314**; **EP 1083274 A4 20050302**; CA 2333419 A1 19991202; KR 100429959 B1 20040503; KR 20010071320 A 20010728; TW 508401 B 20021101; WO 9961725 A1 19991202

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