

Title (en)
SYSTEM FOR REINFORCING STRUCTURE USING SITE-CUSTOMIZED MATERIALS

Title (de)
SYSTEM ZUR BEWEHRUNG EINER STRUKTUR MIT ORTSANGEPASSTEN MATERIALIEN

Title (fr)
SYSTÈME DE RENFORT D'UNE STRUCTURE UTILISANT DES MATÉRIAUX ADAPTÉS AU SITE

Publication
EP 2553179 A4 20140312 (EN)

Application
EP 10848574 A 20100324

Priority
US 2010000864 W 20100324

Abstract (en)
[origin: WO2011119130A1] System and method for reinforcing structures includes basalt textile (20) connected to surfaces of the structure (100) with fiber anchors (30). Textile spreads forces and increases ductility of structure. Textile may connect multiple structural elements together, including walls, floors, columns, beams, and roofs. Textile is covered with mortar (50) customized to match color and texture of structure by use of locally obtained grit, aggregate, or colorant. Basalt fiber textile is preferred to avoid degradation of textile from alkaline components of mortar (50).

IPC 8 full level
E04B 1/62 (2006.01); **E04C 5/07** (2006.01)

CPC (source: EP KR US)
E04B 1/62 (2013.01 - KR); **E04C 5/00** (2013.01 - US); **E04C 5/07** (2013.01 - EP US); **E04F 13/0885** (2013.01 - US); **E04G 23/0218** (2013.01 - EP US); **E04G 2023/0251** (2013.01 - EP US); **Y10T 156/1056** (2015.01 - EP US)

Citation (search report)

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- See references of WO 2011119130A1

Designated contracting state (EPC)
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