

Title (en)
Reinforced construction material

Title (de)
Verstärktes Baumaterial

Title (fr)
Matériau renforcé de construction

Publication
EP 1063366 A1 20001227 (FR)

Application
EP 00401773 A 20000621

Priority
FR 9907845 A 19990621

Abstract (en)
Construction material includes an embedded reinforcing agent comprising a network of coated fibers from polyvinyl alcohol (PVOH) and/or vinyl alcohol copolymers. Construction material comprises a composite material obtained by mixing a curing agent and a filler, comprising a binder from hydraulically or chemically setting cement or sand, gravel and crushed granulate, and an embedded reinforcing agent comprising a network of coated fibers from PVOH and/or vinyl alcohol copolymers. Independent claims are included for: (1) plates, slabs and molded materials made from the above material; (2) their production using the above material; (3) a coating process for the renewal or stabilization of construction elements comprising forming a paste containing curing agent and filler; (4) applying to the surface to be treated; (5) applying reinforcement comprising fibers as above; (6) applying a second paste layer and allowing to cure; and (7) the obtained coating product used.

IPC 1-7
E04C 5/07; **E04G 23/02**; **D04H 3/04**

IPC 8 full level
D04H 1/4218 (2012.01); **D04H 3/007** (2012.01); **D04H 3/04** (2012.01); **D04H 3/12** (2006.01); **E04C 5/07** (2006.01); **E04G 23/02** (2006.01)

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Citation (search report)
• [XY] US 4021258 A 19770503 - UOGAESHI SHINOBU
• [Y] US 4581275 A 19860408 - ENDO MASAO [JP], et al
• [Y] DE 3120661 A1 19821216 - HUESKER SYNTHETIC GMBH & CO [DE]
• [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 007 (C - 0794) 9 January 1991 (1991-01-09)

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