

Title (en)
Reinforced construction material

Title (de)
Verstärktes Baumaterial

Title (fr)
Materiau 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)

CPC (source: EP)
D04H 1/4218 (2013.01); **D04H 3/007** (2013.01); **D04H 3/04** (2013.01); **D04H 3/12** (2013.01); **E04C 5/07** (2013.01); **E04G 23/02** (2013.01)

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)

Cited by
CN111287485A; EP1539649A4; EP2641882A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1063366 A1 20001227; FR 2795111 A1 20001222; FR 2795111 B1 20020628

DOCDB simple family (application)
EP 00401773 A 20000621; FR 9907845 A 19990621