

Title (en)
REINFORCING FOR CONCRETE PRODUCTS AND REINFORCED CONCRETE PRODUCTS

Title (de)
VERSTÄRKUNG FÜR BETONTEILE UND VERSTÄRKTE BETONTEILE

Title (fr)
PROCEDE DE RENFORCEMENT POUR PRODUITS EN BETON ET PRODUITS EN BETON ARME

Publication
EP 0876524 A4 19990414 (EN)

Application
EP 97902880 A 19970115

Priority
• US 9700362 W 19970115
• ZA 96296 A 19960115

Abstract (en)
[origin: WO9726395A1] A yarn for use in a cement mortar matrix, includes a core (22) and a multitude of staple fibers (26) forming a layer which envelopes the core (22) and provides an extended surface area and interstitial spaces for infiltration by cement fines and hydrates. The staple fibers (26) are spun around the core (22) and attached to the core (22) at spaced areas (30). The staple fibers (26) also have sufficient freedom of radial movement to provide the interstitial spaces and permit ingress of cement fines and the formation of hydrates (28) in these spaces.

IPC 1-7
D02G 3/00

IPC 8 full level
D02G 3/36 (2006.01); **D02G 3/38** (2006.01); **D02G 3/40** (2006.01); **D02G 3/44** (2006.01); **E04C 5/07** (2006.01)

CPC (source: EP)
D02G 3/36 (2013.01); **D02G 3/38** (2013.01); **D02G 3/40** (2013.01); **D02G 3/447** (2013.01); **E04C 5/07** (2013.01); **E04C 5/073** (2013.01); **D10B 2401/041** (2013.01)

Citation (search report)
• [A] EP 0427111 A2 19910515 - STRABAG BAU AG [DE], et al
• [A] DE 2203493 A1 19730802 - HEIDELBERG PORTLAND ZEMENT
• [A] US 4257993 A 19810324 - SCHEMEL H
• [A] PATENT ABSTRACTS OF JAPAN vol. 095, no. 002 31 March 1995 (1995-03-31)
• [A] PATENT ABSTRACTS OF JAPAN vol. 095, no. 011 26 December 1995 (1995-12-26)
• See references of WO 9726395A1

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CN103993449A; CN104284774A; JP2015504377A; AU2012332568B2; US10167635B2; US11008756B2; US9187902B2; US9567750B2; US10435859B2; US10870964B2; US10221569B2; US11098486B2; US11428006B2; WO2013067034A1

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