

Title (en)
Weft inserted warp knit fabric for reinforcement of cementitious materials

Title (de)
Ketten-Strickgewebe mit Schussfäden zum Verstärken von cementartigen Materialien

Title (fr)
Tricot-chaîne avec fils de trame pour renforcer des matériaux cimenteux

Publication
EP 1818437 A1 20070815 (EN)

Application
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Abstract (en)
The invention relates to a fabric (200) comprising (a) at least one layer of a weft inserted warp knit fabric including in-lay warp yarns (212), stitching yarns (211), which each form a wale around a corresponding in-lay warp yarn, and weft inserted yarns (213) inserted in a parallel repetitive construction in every third or more stitch of the stitching yarns; and (b) an alkali resistant coating (220), which is useful as a reinforcement fabric for cementitious materials, such as concrete mixtures and cement mortars. Also, the invention concerns a reinforced cementitious material comprising (i) a cementitious material; such as concrete mixtures and cement mortars, and (ii) the above fabric.

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Citation (search report)

- [X] EP 0464803 A1 19920108 - BAY MILLS LTD [CA]
- [X] US 5763043 A 19980609 - PORTER JOHN F [CA], et al
- [A] US 2005233656 A1 20051020 - ROYER JOSEPH R [US], et al
- [A] US 2001002971 A1 20010607 - KITTSON MARK [CA]
- [A] US 6171984 B1 20010109 - PAULSON JOHN N [US], et al
- [A] EP 0106986 A2 19840502 - ISPO PUTZ & FARBEN [DE]

Cited by
CN107268175A; FR2972732A1; DE102014102861A1; DE102016220682A1; WO2019110498A1; US8771526B2; US8871657B2; WO2010115513A1; WO2012123682A1; DE102011009510A1; WO2012101045A2; DE102011089331A1; WO2013037648A2

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