

Title (en)

SIZING COMPOSITION FOR GLASS YARNS, RESULTING YARNS AND USE THEREOF IN CEMENT PRODUCTS

Title (de)

SCHLICHTE ZUSAMMENSETZUNG FÜR GLASFASERN, DIESE FASERN UND IHRE VERWENDUNG IN ZEMENTPRODUKTEN

Title (fr)

COMPOSITION D'ENSIMAGE POUR FILS DE VERRE, CES FILS ET LEUR UTILISATION DANS DES PRODUITS CIMENTAIRES

Publication

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Application

**EP 01938311 A 20010523**

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Abstract (en)

[origin: WO0190017A1] The invention concerns a sizing composition for glass yarns, containing at least a bonding agent in a water base liquid carrier, comprising at least a silane additive bearing at least a function capable of complexing calcium. Preferably, at least one additive is selected among the compounds of formula (1) wherein R<1> is an alkyl, or a C1-C6 acyl, or phenyl group; R<2> is a hydrogen atom or an alkyl or phenyl group of 1 to 6 carbon atoms; R<3> is a hydrocarbon chain, linear or branched, saturated or unsaturated, optionally substituted, advantageously comprising 2 to 20 carbon atoms; R<4> is a hydrogen atom or a linear or branched alkyl group of 1 to 4 carbon atoms, or a -CO-R<5> group, wherein R<5> is a hydrogen atom or an alkyl or alkoxy group, linear or branched, of 1 to 4 carbon atoms; R<6> is a polar group in particular carbonyl or amino; n is an integer from 1 to 3; m is an integer from 1 to 3; p is a non-null integer; q is a null or non-null integer, with p + m + q <= 6. The invention is useful for producing glass yarns designed to reinforce cement products.

IPC 1-7

**C03C 25/40**; **C03C 25/28**

IPC 8 full level

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