

Title (en)  
NOVEL FLUORINATED COPOLYMERS, THEIR USE FOR COATING AND IMPREGNATING SUBSTRATES, AND RESULTING TREATED SUBSTRATES

Title (de)  
NEUE FLUORCOPOLYMERE, DEREN VERWENDUNG FÜR DIE BESCHICHTUNG UND IMPRÄGNIERUNG VON SUBSTRATEN, UND SO BEHANDELTE SUBSTRATE

Title (fr)  
NOUVEAUX COPOLYMERES FLUORES, LEUR UTILISATION POUR LE REVÊTEMENT ET L'IMPREGNATION DE SUBSTRATS, ET LES SUBSTRATS AINSI TRAITÉS

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Application  
**EP 01956646 A 20010726**

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Abstract (en)  
[origin: WO212361A1] The invention concerns a fluorinated cationic copolymer obtained from a composition comprising for 100 parts by weight: 5 to 92 parts by weight of at least a polyfluorinated monomer (I); 0.10 to 25 parts by weight of at least a monomer (II) (III) or (IV); 0 to 20 parts by weight of at least an anionic or potentially anionic monomer by Ph variation; 0 to 25 parts by weight of at least a vinyl monomer (V): CH<sub>2</sub>=CHR<11>; 0 to 60 parts by weight of at least a monomer (VI); 0 to 10 parts by weight of at least a monomer capable of inducing post-crosslinking of the fluorinated copolymer during or after the formation of a coating of said fluorinated copolymer on a substrate; and 0 to 25 parts by weight of at least a monomer (VII): R<1>, R<2>= H or one of the two = H and the other = C1-C4 alkyl; A = bivalent chain formation bound to O by a carbon atom and capable of comprising one or several oxygen and/or sulphur and/or nitrogen atoms; R<sub>f</sub> = perfluorinated C2-C20 radical with linear or branched chain; R<3>, R<6>, R<8>, R<12> = H or CH<sub>3</sub>; R<4>, R<5>, R<7>, R<9>, R<10> = H, C1-C18 alkyl, benzyl or hydroxyethyl; X<1> THETA >, X<2> THETA > = monovalent anion; R<11> = alkylcarboxylate, alkylether, or C1-C18 alkyl; m = 0 or 1; R<13> = C1-C6 alkylene capable of being substituted by at least a hal; m = 0 or an integer from 1 to 11, inclusively; R<14> = C1-C32 alkyl capable of being substituted by at least a hal, or cycloalkyl capable of being substituted by at least a hal; R<15> = H or C1-C4 alkyl; A<2> = C1-C4 linear or branched alkylene; R<16>, R<17> = H, C1-C18 linear or branched alkyl or hydroxyethyl or benzyl, or R<16> and R<17> together with the nitrogen atom to which they are bound from a morpholino, piperidino or pyrrolidinyl radical.

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