

Title (en)
COPOLYMERS OF ACRYLOYLAMINOALKYL COMPOUNDS

Title (de)
COPOLYMERE VON ACRYLOYLAMINOALKYLVERBINDUNGEN

Title (fr)
COPOLYM RES DE COMPOS S ACRYLOYLAMINOALKYL

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Abstract (en)
[origin: WO0119878A1] The invention relates to antimicrobial polymer, which can be obtained by copolymerisation of a monomer of formula (I) where R<1> = -H or -CH₃, R<2> = branched or straight chain aliphatic hydrocarbon radical with 1 to 5 carbon atoms, Y=NR<3>R<4>, N<+>R<3>R<4>R<5> X<->R<3>, R<4>, R<5> = H, a branched or straight chain aliphatic hydrocarbon radical with 1 to 5 carbon atoms, whereby R<3>, R<4> and R<5> are identical or different and X<-> CH₃SO<->4, NO<->3, F<->, Cl<->, Br<->, I<->, CH₃CH₂<->, NO₂<->, NO<->, CN<->, SCN<->, CNO<->, ClO<->, ClO₂<->, ClO₃<->, ClO₄<->. ClO₄<-> with other aliphatic, unsaturated monomers. The invention also relates to a method for production of said polymers. Said polymers can also be produced by graft copolymerisation of a substrate, whereby a covalently bonded coating is obtained on the substrate surface. The inventive antimicrobial polymers can be used inter alia as microbiocidal coatings on hygiene articles or in the medical field and in paints or protective coatings.

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