

Title (en)
COMPOSITIONS AND METHODS IN WHICH BIS(BIGUANIDES) PROVIDE ENHANCED ANTIMICROBIAL EFFICACY FOR DISINFECTING CONTACT LENSES

Title (de)
ZUSAMMENSETZUNGEN UND VERFAHREN IN DENEN BISGUANIDE EINE ERHÖHTE ANTIMIKROBIELLE WIRKSAMKEIT FÜR DIE DESINFEKTION VON KONTAKTLINSEN VERLEIHEN

Title (fr)
COMPOSITIONS ET PROCEDES FAISANT APPEL A DES BIS(GUANIDES) AFIN D'OBTENIR UNE MEILLEURE ACTIVITE ANTIMICROBIENNE LORS DE LA DESINFECTION DE LENTILLES DE CONTACT

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Abstract (en)
[origin: WO9820738A1] The present invention is directed to an ophthalmically safe disinfecting solution for contact lenses comprising a bis(biguanide) having formula (I) wherein R<1> and R<4> are independently selected from the group consisting of branched or unbranched alkyl having 4-12 carbon atoms, ether or thioether radical having 4-12 carbon atoms, or cycloalkyl or cycloalkyl-alkyl radical having 5-12 carbon atoms; R<2> and R<3> are independently selected from the group consisting of hydrogen, alkyl having 1-12 carbon atoms, alkoxyalkyl having 1-12 carbon atoms, or cycloalkyl or cycloalkyl-alkyl having 5-12 carbon atoms; R<6> and R<7> are independently selected from the group consisting of hydrogen and alkyl radical having 1-6 carbon atoms, and A in the above formula is selected from the divalent radical having 4-16 carbon atoms consisting of a divalent alkyl, alkyloxyalkyl, alkylsulfide, or a polymethylene interrupted with a cyclic divalent radical. In one embodiment of the present invention, such biguanides may be combined with a polymeric biguanide for complementary or synergistic biocidal efficacy. The invention is also directed to an improved method of disinfecting a contact lens.

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