

Title (en)
USE OF ORGANOGELETOR MOLECULES IN BITUMINOUS COMPOSITIONS TO IMPROVE THE RESISTANCE OF SAME TO CHEMICAL STRESS

Title (de)
VERWENDUNG VON ORGANOGELETORMOLEKÜLEN BEI BITUMENHALTIGEN ZUSAMMENSETZUNGEN ZUR VERBESSERUNG IHRER BESTÄNDIGKEIT GEGENÜBER CHEMISCHEM STRESS

Title (fr)
UTILISATION DE MOLECULES ORGANOGELETRICES DANS DES COMPOSITIONS BITUMINEUSES POUR AMELIORER LEUR RESISTANCE AUX AGRESSIONS CHIMIQUES

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Application
EP 11722566 A 20110429

Priority

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Abstract (en)
[origin: WO2011135550A1] The invention relates to the use in a bituminous composition of an organogelator molecule of the following general formula (I): $X-(R)_n-(Y)_m-(R_2)_q$, where: A is a hydrocarbon group which can be straight or branched, saturated or unsaturated, acyclic, cyclic or polycyclic, having 3 to 92 carbon atoms, resulting from the polymerisation of lateral chains of at least one unsaturated fatty acid; X is an NH group or an oxygen atom O; R_i is a group selected from: a straight or branched hydrocarbon group having 2 to 40 carbon atoms, optionally including one or more heteroatoms and optionally including one or more unsaturations, or an aromatic group, substituted or otherwise; R₂ is a group selected among: a hydrogen atom, a straight or branched hydrocarbon group having 1 to 40 carbon atoms, including one or more heteroatoms and optionally including one or more unsaturations, or an aromatic group, saturated or otherwise; m and n are, separately from one another, an integer ranging from 1 to 4; p is an integer ranging from 0 to 4; q is an integer ranging from 1 to 4 or a combination of said values; Y is a group including a hydrogen bond donor such as the NH grouping and a hydrogen bond acceptor such as the C=O grouping, to improve the resistance thereof to aggressive chemical agents, in particular to hydrocarbons such as gasolines, diesels and/or kerosenes.

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See references of WO 2011135550A1

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