

Title (en)  
USE OF POLY(OXYALKYLENE)OXY- AND/OR POLY(OXYALKYLENE)AMINOALKYLTRIALKOXYSILANES AS DISPERSANTS

Title (de)  
VERWENDUNG VON POLY(OXYALKYLEN)OXY- BZW. POLY(OXYALKYLEN)AMINOALKYLTRIALKOXYSILANEN ALS DISPERGIERMITTEL

Title (fr)  
UTILISATION DE POLY(OXYALKYLÈNE)OXY-AMINOALKYLTRIALCOXYSILANES OU DE POLY(OXYALKYLÈNE)AMINOALKYLTRIALCOXYSILANES COMME AGENTS DISPERSANTS

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Application  
**EP 14777340 A 20140930**

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Abstract (en)  
[origin: WO2015049227A1] The present invention relates to the use of poly(oxyalkylene)oxy- and/or poly(oxyalkylene)aminoalkyltrialkoxysilanes of the general formula (I) where the symbols and indices in the formula (I) have the following definitions: -X- is -O- or -N(R4)2-a-; -Y- is -CH2-; -z- is -O-(CH2)d-C(R5)2-c-; a is 1 if -X- = -O-, and 1 or 2 if -X- = -N(R4)2-a-; b is 0 or 1; c is 0, 1 or 2; d is 0 or 1; m is selected independently from an integer from 1 to 6; p is a number from 7 to 200; R1 is identical or different and selected from the group consisting of methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, and phenyl; R2 is H or methyl; R3, R4, R5 are each identical or different and selected independently from the group consisting of H and linear or branched C1-C6 alkyl; R6 is identical or different and selected independently from the group consisting of H, methyl and ethyl; and R7 is selected from the group consisting of H, linear or branched C1-C6 alkyl, linear or branched C1-C10 alkanoyl, and C6-C10 aryloyl; as dispersants for aqueous suspensions composed of aggregates and hydraulic binders, and also to the aqueous suspensions as such. The invention also relates to a process for preparing the alkyltrialkoxysilanes, and to the alkyltrialkoxysilanes as such.

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