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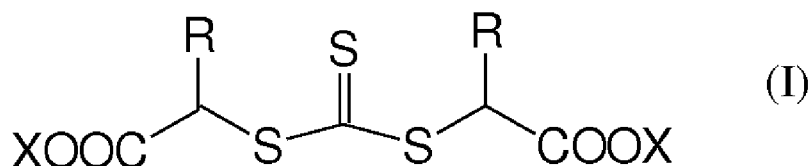
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(54) **Title:** RHEOLOGICALLY STABLE AQUEOUS MINERAL MATERIAL SUSPENSIONS COMPRISING ORGANIC POLYMERS HAVING REDUCED VOLATILE ORGANIC COMPOUND (VOC) CONTENT



(57) **Abstract:** The present invention concerns a Theologically stable aqueous mineral material suspension comprising a) at least one mineral material, and b) at least one polymer of acrylic and/or methacrylic acid, wherein the at least one polymer of acrylic and/or methacrylic acid is obtained by polymerization of acrylic and/or methacrylic acid monomer(s) in water using a compound of the formula (I) wherein X represents Li, Na, K or H, and R represents an alkyl chain comprising 1 to 5 carbon atoms, and the compound of formula (I) is used in an amount of from 0.1 to 2.5 wt.% based on the weight of said monomer(s); has a weight molecular weight M_w of from 800 to 8000 g/mol; a polydispersity index I_p in the range from 2 to 3; and wherein the aqueous mineral material suspension has a content of volatile organic compounds (VOC) of ≤ 20 mg/kg, as well as their preparation process and uses thereof.

