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(54) Title: AQUEOUS COATING COMPOSITION, SUBSTRATE COATED WITH SUCH COMPOSITION, PROCESS FOR CONTROLLING AQUATIC BIOFOULING USING SUCH COATING COMPOSITION

(57) Abstract: The invention relates an aqueous coating composition comprising an acrylic polymer dissolved in a liquid phase comprising water and a water-miscible solvent, wherein the coating composition comprises at least 50 wt% water, and wherein the acrylic polymer is a film-forming polymer obtainable by free radical polymerization of a monomer mixture comprising in the range of from 30 to 70 wt% of a poly(ethyleneglycol) (meth)acrylic monomer a.; in the range of from 2 to 20 wt% of an alkoxysilyl or alkoxyalkylsilyl functional (meth)acrylic monomer b.; and in the range of from 10 to 68 wt% of a hydrophobic ethylenically unsaturated monomer c. The invention further relates to a substrate coated with such coating composition, to a process for controlling aquatic biofouling on a surface of a man-made object, and to use of such coating composition to control aquatic biofouling on a man-made object.



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