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(71) Applicant *(for all designated States except US)*: **JOTUN AS** [NO/NO]; P.O.Box 2021, N-3248 Sandefjord (NO).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **JACKSON, Seamus, M.** [GB/NO]; Geminiveien 46 C, N-3213 Sandefjord (NO). **JOHNSEN, Henning** [NO/NO]; Kamper Bas 21, N-3228 Sandefjord (NO). **SIVERTSEN, Björn-Tore** [NO/NO]; Mauråsveien 13F, N-3937 Porsgrunn (NO).

(74) Agent: **BRYN AARFLOT AS**; P.O.Box 449 Sentrum, N-0104 Oslo (NO).

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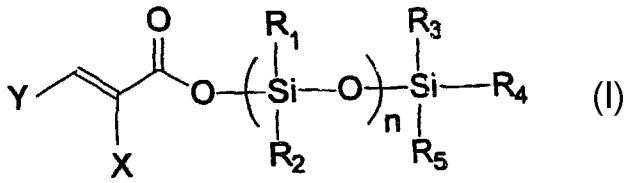
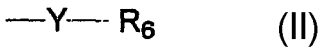
(54) Title: SELF-POLISHING ANTIFOULING PAINT



(I)



(II)



(III)

(57) Abstract: Antifouling paint which after application to a surface forms a self-polishing, antifouling coating, comprising a binder with the following polymers A, B and C: A) a copolymer wherein the repeating units correspond to a) a monomer defined by the structure I: in which X is H or CH_3, Y is H or optionally an esterified COON-group, R_1, R_2, R_3, R_4 and R_5 are independently selected from substituted or un-substituted C $_{1-20}$ alkyl, C $_{1-20}$ aryl, C $_{1-20}$ alkoxy or C $_{1-20}$ aryloxy, n = 0 or an integer which is 1 or higher b) one or more ethylenically unsaturated monomers; B) a homo- or co-polymer in which the repeating units correspond to one ore more types of ethylenically unsaturated monomers, at least one type having a side chain that ends in a group of formula II in which R_6 is selected from substituted or un-substituted C $_{1-20}$ alkyl or C $_{1-20}$ aryl, Y is -C(=0)- or -0-; the polymer of B) being incompatible with the polymer of A); and also other desired paint components; and optionally !) 0 homo- or copolymer in which the repeating units correspond to one or more types of ethylenically unsaturated monomers, at least one type having 0 side chain ending in 0 group of formula III wherein R_7 is substituted or un-substituted ! $_{1-20}$ alkyl >3 ! $_{1-20}$ aryl, # is -C(=O)- or -0-. The antifouling coating has improved mechanical properties and results in 0 reduced residual layer upon polishing.

WO 03/070832 A3