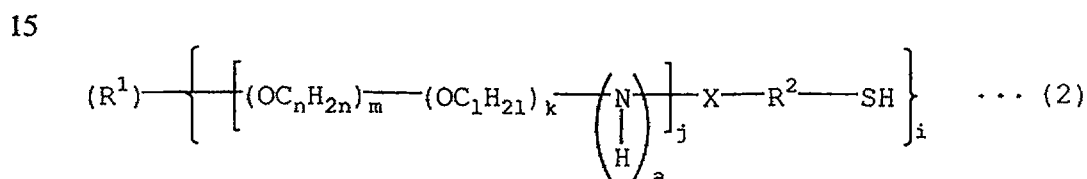
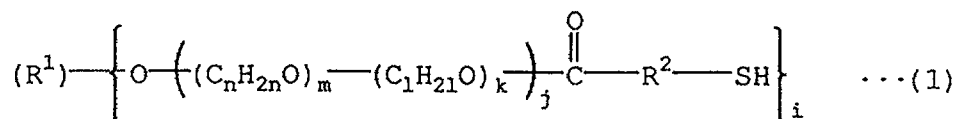




NOVEL (POLY) OXYALKYLENE BLOCK SILYL ESTER COPOLYMER, ANTIFOULING COATING COMPOSITION, ANTIFOULING COATING FORMED FROM ANTIFOULING COATING COMPOSITION, ANTIFOULING METHOD USING ANTIFOULING COATING COMPOSITION AND HULL OR UNDERWATER STRUCTURE COVERED WITH ANTIFOULING COATING

ABSTRACT

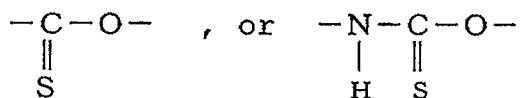
A (poly)oxyalkylene block silyl ester copolymer comprising silyl ester copolymer block units (A) and block units (B), the silyl ester copolymer block units (A) comprising (a) component units derived from a polymerizable unsaturated carboxylic acid silyl ester, and (b) polymerizable unsaturated monomer units other than the component units (a), the block units (B) derived from a mercapto compound represented by the following formula (1) or (2), and further an antifouling paint comprising the (poly)oxyalkylene block silyl ester copolymer.



wherein R^1 represents a hydrocarbon group or ether-bond-containing hydrocarbon group having a valency of 1 or higher and having 1 to 30 carbon atoms; R^2 represents a bivalent hydrocarbon group having 1 to 30 carbon atoms or a group of the formula $-CH(R^3)-$ wherein R^3 represents a group of the formula R^4-O-R^5 ,

R^4 representing a bivalent hydrocarbon group having 1 to 30 carbon atoms, and R^5 representing a monovalent hydrocarbon group having 1 to 30 carbon atoms; X represents:

5



; n is

10 an integer of 1 to 5; m is an integer of 1 to 100; l is an integer of 1 to 5; k is an integer of 0 to 100; a is an integer of 0 or 1; j is an integer of 1 to 50; and i is the valency of R^1 . The present invention enables forming an antifouling coating film which exhibits less
15 cracking tendency, excellent adherence so as to ensure less peeling tendency and desirably controlled hydrolysis rate so as to be excellent in antifouling performance (antifouling activity), antifouling properties, in particular, antifouling properties in
20 highly fouling environment and long-term antifouling properties.

Figure 1

This Sheet Has Been Replaced

