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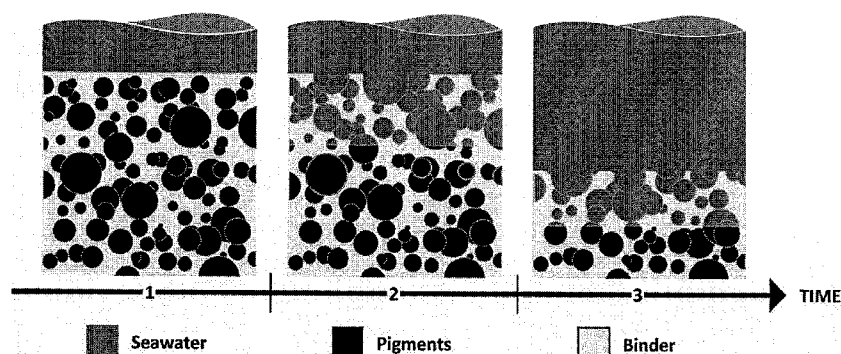


Figure 1

(57) Abstract: The present application discloses an enzyme-based self-polishing coating composition comprising a binder phase in the form of a binder system and a pigment phase, said pigment phase comprising (i) a polysaccharide and (ii) an enzyme capable of facilitating hydrolysis of said polysaccharide, said enzyme being immobilized on a carrier material, e.g. on the polysaccharide. The enzyme may be glucoamylase and the polysaccharide may be starch. A marine structure coated with the coating composition; a method for the preparation of the enzyme-based self-polishing coating composition; the use of the polysaccharide and the enzyme in a coating composition to provide self-polishing of said coating composition; and a method for providing a self-polish-
ing effect of a coating composition are also disclosed.

