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(54) Title: SYSTEM AND METHOD FOR PREVENTION ADHESION OF MARINE ORGANISMS TO SUBSTRATE CONTACTED WITH SEAWATER

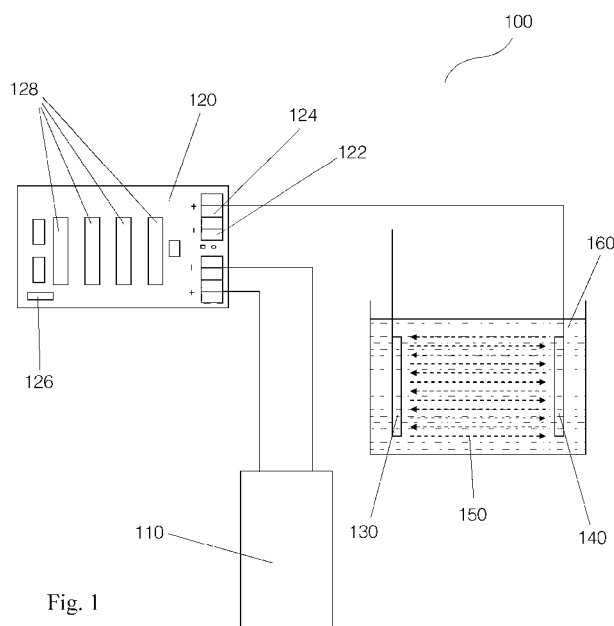


Fig. 1

(57) Abstract: A system and a method for prevention of adhesion of marine organisms to a substrate contacted with seawater are provided. The system comprises a generator (120, 220) for producing an electrical signal (150) operating in desirable frequencies in which the marine organisms can be chased or killed, said generator (120, 220) having at least two output connectors (122, 124, 222, 224), means for oscillating and propagating the electrical signal (150) along a surface of the substrate, said means being adapted to make electrical connection with the at least two output connectors (122, 124, 222, 224) of the generator (120, 220) and being submerged in seawater, and an electric power source (110, 210) connected to the generator (122, 124, 222, 224) for applying a selected voltage to the generator (122, 124, 222, 224) to produce the electrical signal (150).