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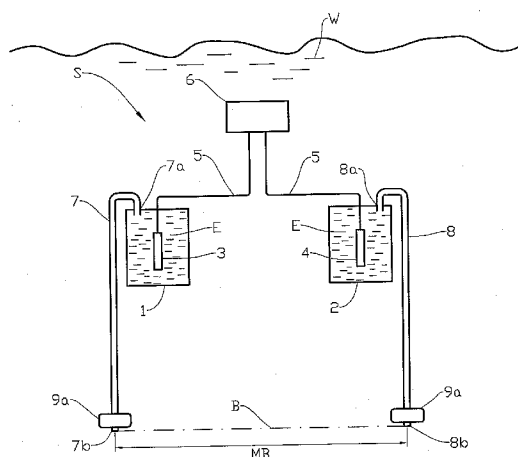
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(54) Title: ELECTRIC FIELD SENSOR FOR MARINE ENVIRONMENTS



(57) Abstract: A sensor (S) for marine measurements of an electric field, the sensor (S) including at least two electrodes (3, 4) ; signal transmission means (5) for transmitting measured signals from the sensor (S) to a signal processing unit (6) ; at least two closed containers (1, 2) which are formed of a non-conductive material and are filled with an electrolyte (E) ; at least two flexible hoses (7, 8) formed of an electrically non-conductive material; there being attached in a fluid-communicating manner to each of the containers at least one first hose end (7a, 8a) , and a second hose end (7b, 8b) being open and attached to means (9a, 9b) for exact positioning of the second hose end (7b, 8b) ; the hoses (7, 8) being arranged to be filled with a medium (W) of the same type as that, in which the sensor (S) is arranged to be immersed in an operative condition; and two containers (1, 2) forming a pair of containers, the two containers (1, 2) , relatively, being placed close to each other under approximately identical thermal, pressure and chemical conditions.

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