CLAIMS:

1. A light emitting system (40) comprising:

at least one light emitting unit (1);

a source of electric power; and

an electric power supply element (25),

wherein the light emitting unit (1) is configured to be applied to a surface area of a marine object, and comprises:

an electric energy distribution arrangement (11, 18), and

at least one light emitting assembly (10) electrically connected to the electric energy distribution arrangement (18), including at least one light source (12, 13) configured to emit anti-fouling light, and further including two electrically conductive plates (14, 15),

wherein the at least one light source (12, 13) is at the one side electrically connected to one of the electrically conductive plates (14, 15) and at the other side to the electric energy distribution arrangement (18), and

wherein the electrically conductive plates (14, 15) of the at least one light emitting assembly (10) are arranged to constitute respective capacitors (21, 22) with an electrically conductive surface formed by or over the surface area of the marine object (5), said capacitors (21, 22) being connected in series through the electrically conductive surface once the light emitting unit (1) is actually applied to a surface area of a marine object (5), the light emitting system being characterized in that the electric power supply element (25) and the at least one light emitting unit (1) are arranged with respect to each other so as to enable inductive transfer of electric power from the electric power supply element (25) to the at least one light emitting unit (1).

2. A light emitting system as claimed in claim 1, wherein:

the electrically conductive surface comprises an electrically conductive surface area of the marine object; or

the electrically conductive surface comprises a paint layer formed over the surface area of the marine object.

3. A light emitting system as claimed in claim 1, wherein:

the electrically conductive surface comprises a water layer formed over the surface area of the marine object.

4. The light emitting system (40) according to any one of claims 1-2, comprising a layer (30) of electrically conductive material in which both the electric energy distribution arrangement (18) and the electrically conductive plates (14, 15) of the at least one light emitting assembly (10) are included.

5. The light emitting system (40) according to claim 4, wherein the layer (30) of electrically conductive material in which the electric energy distribution arrangement (18) and the electrically conductive plates (14, 15) of the at least one light emitting assembly (10) are included has a thickness that is in a range of 3-15 μm.

6. The light emitting system (40) according to any of claims 1-5, wherein the light emitting unit (1) extends substantially in two orthogonal directions, a dimension of the light emitting unit (1) in a third direction that is orthogonal to said two orthogonal directions being smaller than 2 mm.

7. The light emitting system (40) according to any of claims 1-6, wherein the or each light emitting unit comprises a plurality of light emitting assemblies (10), wherein the electrically conductive plates (14, 15) of the respective light emitting assemblies (10) are arranged in the light emitting unit (1) in a pattern of rows and columns.

8. The light emitting system (40) according to claim 7, wherein the electric energy distribution arrangement (18) comprises electrically conductive tracks (17) extending between the electrically conductive plates (14, 15) of the respective light emitting assemblies (10) in the pattern of rows and columns.

9. The light emitting system (40) according to any of claims 1-8, wherein the electric energy distribution arrangement (18) and the at least one light source (12, 13) and the two electrically conductive plates (14, 15) of the at least one light emitting assembly (10) are embedded in a dielectric material (16).

10. The light emitting system (40) according to any of claims 1-9, wherein, in the at least one light emitting assembly (10), the electrically conductive plate (14, 15) to which the at least one light source (12, 13) is at the one side electrically connected is arranged and configured to reflect anti-fouling light emitted by the at least one light source (12, 13) during operation thereof.

11. The light emitting system (40) according to any of claims 1-10, wherein the at least one light source (12, 13) of the at least one light emitting assembly (10) comprises an LED.

12. An assembly of a holder and a light emitting system according to any of claims 1 -11, the light emitting system comprising a plurality of mechanically interconnected light emitting units (1) arranged on the holder, such as a reel, from which the light emitting units (1) are to be taken in a process of applying the light emitting units (1) to an electrically conductive surface area of a marine object (5).

13. An assembly of a marine object (5) and a light emitting system (40) according to any one of claims 1-11, wherein the electric power supply element (25) and the at least one light emitting unit (1) of the light emitting system (40) are positioned on an electrically conductive surface area of the marine object (5).

14. A method of applying a plurality of light emitting units (1) of a light emitting system according to any of claims 1-11 to an electrically conductive surface area formed by or over the surface area of the marine object (5), wherein the light emitting units (1) are arranged on the electrically conductive surface area in a pattern of rows and columns.