CLAIMS:

1. An antifouling system for reducing and/or preventing fouling of an object exposed to fouling conditions when in use, the antifouling system comprising a plurality of antifouling devices (26) for providing an antifouling radiation to at least part of the object and/or at least part of the antifouling system;

wherein the antifouling system further comprises:

- a power transmission system comprising:
  - an inductive power emitter (10) comprising at least one inductive emitter element (12); and
  - a plurality of inductive power receivers (24) each one comprising at least one inductive receiver element;

wherein the inductive power emitter and the plurality of inductive power receivers are for mounting on the object in a fixed configuration with respect to each other thereby to provide an inductive coupling between each one of the at least one inductive receiver elements and the at least one inductive emitter element such that power may be inductively transmitted when the power transmission system is in use; and

wherein the plurality of antifouling devices (26) are configured to be driven using transmitted power from at least one of the plurality of inductive power receivers when the system is in use.

2. An antifouling system as claimed in claim 1, comprising

- a first panel including the inductive power emitter (10) and
- a plurality of second panels, separate from the first panel, each second panel comprising at least one of the plurality of inductive power receivers (20) and at least one of the plurality of antifouling devices.

3. An antifouling system as claimed in claim 2, wherein each one of the plurality of second panels includes one or more water resistant materials by which any of the plurality

of inductive power receivers and any of the plurality of the antifouling devices present within that particular second panel are encapsulated.

4. An antifouling system as claimed in claims 1 to 3 wherein each one of the plurality of antifouling devices comprises a UV light source for providing UV light as the antifouling radiation.

5. An antifouling system as claimed in claims 1 to 4, wherein the one or more inductive emitter elements each comprise or consist of power emitter coils and the one or more inductive receiver elements each comprise or consist of power receiver coils and the inductive power emitter and the inductive power receivers are configured such that each one of the one or more power receiver coils at least partly overlaps with at least one of the one or more power emitter coils when the system is mounted to the object.

6. An antifouling system as claimed in claim 2, wherein each one of the plurality of inductive power receivers are configured such that the at least one power emitter element of an inductive power receiver at least partly overlaps with the at least one power emitter element when the system is mounted to the object and wherein each one of the plurality of second panels comprises one or more edge regions (22) in which its at least one power receiver element is disposed.

7. An antifouling system as claimed in any one of claims 1 to 6, wherein the inductive power emitter comprises a power feed line and a power return line and the at least one inductive emitter elements comprises a plurality of inductive emitter elements each one electrically connected in parallel configuration to the power feed line and to the power return line and positioned in series with respect to each other within the inductive power emitter, each one of the plurality of inductive emitter elements being arranged to inductively couple to at least one of the at least one inductive receiver elements of one of the plurality of inductive power receivers.

8. An antifouling system as claimed in claim 7, wherein the power feed line and the power return line are located on one side of any of the plurality of inductive emitter elements.

9. An antifouling system as claimed in any one of claims 1 to 6, wherein the inductive power emitter comprises at least one inductive emitter element for inductive coupling to one or more of the at least one inductive receiver element of each one of the plurality of inductive power receivers.

10. An antifouling system as claimed in any one of claims 1 to 6, wherein the inductive power emitter includes a power feed line and a power return line and each one of the one or more inductive emitter elements comprises a section of the power feed line and a section of the power return line.

11. An antifouling system as claimed in claim 10, wherein the system comprises a further one of the inductive power emitter and at least one connection member wherein the power feed line of the inductive power emitter is connected to the power return line of the further inductive power emitter via the connection member.

12. An antifouling system as claimed in any one of claims 1 to 11, wherein the inductive power emitter comprises a ferrite material (14) arranged within the system such that when the system is mounted to the object the ferrite material is between the object and the at least one inductive emitter element and/or the at least one inductive power receiver.

13. An antifouling system as claimed in any one of claims 1 to 11, comprising a coating material for application to the object, wherein the coating material has a relative permeability greater than 20, for example greater than 100.

14. An antifouling system as claimed in any of the previous claims comprising a power source for delivering power to the inductive power emitter and/or the further inductive power emitter if present.

15. An object exposed to fouling conditions when in normal use, the object comprising an antifouling system as claimed in any one of the claims 1 to 14 wherein the inductive power emitter and the plurality of inductive power receivers are mounted on the object in a fixed configuration with respect to each other thereby to provide the inductive coupling.

16. An object as claimed in claim 15, wherein each one of the plurality of antifouling devices comprise a UV light source for providing UV light as the antifouling radiation.

17. An object as claimed in any of claims 15 or 16, wherein the antifouling system comprises

- a first panel including the inductive power emitter (10) and
- a plurality of second panels, separate from the first panel, each second panel comprising at least one of the plurality of inductive power receivers (20) and at least one of the plurality of antifouling devices,

wherein the first panel and the plurality of second panels are mounted to the object such that different ones of the plurality of second panels are mounted at least partially to different areas of the object.

18. An object as claimed in claim 17, wherein the object is for partial or complete submersion in water when in normal use and wherein each one of the plurality of second panels includes one or more water resistant materials by which any of the plurality of inductive power receivers and any of the plurality of the antifouling devices present within that particular second panel are encapsulated for protecting them against water.

19. An object as claimed in claim 18 wherein the object has a waterline and a part of the first panel is mounted such that it remains above the waterline when the object is in use so that a power source for providing power to the inductive power emitter can be connected to the inductive power transmitter via a galvanic connection disposed above the waterline.

20. An object as claimed in any of the claims 15 to 19, wherein object comprises:

- a ferrite material between the object and the at least one inductive emitter element and/or the at least one inductive power receiver; and/or
- a coating material applied to the object, the coating material having a relative permeability greater than 20, for example greater than 100.