Claims

1. A water debris skimming device comprising:

a hollow and free floating cylinder (101) having an inlet (103) and an outlet;

the cylinder (101) attached with a float (107);

the float 107 positioned adjacent the inlet (103) such that the inlet (103) is bias to be above the outlet when the cylinder (101) is placed into water, and that the inlet (103) is able to capture naturally moving water;

a pump (109) to move water in the cylinder (101) out of the cylinder (101) through the outlet;

a filter positioned to capture debris (102) in the moving water moving out of the outlet; and

a one way valve positioned to allow passage of water and debris (102) from the inlet (103) into the cylinder (101) and to prevent debris (102) in the cylinder (101) leaving through the inlet (103).

2. A water debris skimming device as claimed in claim 1, wherein the pump (109) is powered by solar power.

3. A water debris skimming device as claimed in claim 2, further comprising a floating solar panel (401) for powering the pump (109).

4. A water debris skimming device as claimed in claim 2, wherein the solar panel (401) is in the form of a lip extending from the edge of the inlet (103).

5. A water debris skimming device as claimed in claim 4, wherein the one way valve comprises at least one panel (601) which is resiliently movable towards one direction to allow passage of water and debris (102) coming in from the inlet (103), and is unable to move in another direction thereby preventing passage of water and debris (102) towards the inlet (103).

6. A water debris skimming device as claimed in claim 5, wherein the at least one panel (601) is a solid panel (601).

7. A water debris skimming device as claimed in claim 1, further comprising an anchor (405).

8. A water debris skimming device as claimed in claim 1, further comprising a filter bag (201) positioned to capture debris (102) in the moving water moving out of the outlet.

9. A water debris skimming device as claimed in claim 8, wherein the filter bag (201) is disposable type.