

System and Method for a Submersible Underwater Storage

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TECHNICAL FIELD

[1] The present invention relates to a system for a container submersible underwater, and more specifically to a container attached to a net and having a temperature sensor and a propeller whereby the height of the container in the water is controlled to keep the container under constant temperature.

BACKGROUND

[2] When anglers go fishing in waters, they bring with them a container for storing food and/or the fish they catch. Fishing usually takes hours, and keeping caught fish alive throughout the day while fishing is important. Because fish need water to be kept alive, often anglers use a small net

[3] ...

[4] To address this problem, XXX that has ... were devised. However, because ... , often the XXX cannot YYY. Therefore, a more robust XXX that more YYY is needed.

[5] Moreover, because. . . .

[6] Consequently, it would be desirable to have a XXX that. . . .

SUMMARY

- [7]** In one embodiment of this invention, a XXX is provided that has a . . .
- [8]** Continuing with the embodiment of the XXX described above, the XXX may have
a . . .
- [9]** In another embodiment, the XXX provides a . . .
- [10]** Continuing with the embodiment of the XXX described above, . . .

BRIEF DESCRIPTION OF DRAWINGS

[11] **FIG. 1A** is a perspective view of an embodiment of the submersible underwater storage of the present invention with the net having a closed bottom portion.

[12] **FIG. 1B** is a perspective view of the container shown in **FIG. 1A** having a lid in its open position.

[13] **FIG. 2A** is a perspective view of another embodiment of the submersible underwater container of the present invention with the net having clips and an open bottom portion.

[14] **FIG. 2B** is a partial view of the submersible underwater storage of **FIG. 2A**.

DETAILED DESCRIPTION

[15] In the Summary above and in this Detailed Description, and the claims below, and in the accompanying drawings, reference is made to particular features of the invention. It is to be understood that the disclosure of the invention in this specification includes all possible combinations of such particular features. For example, where a particular feature is disclosed in the context of a particular aspect or embodiment of the invention, or a particular claim, that feature can also be used—to the extent possible—in combination with and/or in the context of other particular aspects and embodiments of the invention, and in the invention generally.

[16] The term “comprises” and grammatical equivalents thereof are used herein to mean that other components, ingredients, steps, etc. are optionally present. For example, an article “comprising” (or “which comprises”) components A, B, and C can consist of (i.e., contain only) components A, B, and C, or can contain not only components A, B, and C but also contain one or more other components.

[17] Where reference is made herein to a method comprising two or more defined steps, the defined steps can be carried out in any order or simultaneously (except where the context excludes that possibility), and the method can include one or more other steps which are carried out before any of the defined steps, between two of the defined steps, or after all the defined steps (except where the context excludes that possibility).

[18] The term “at least” followed by a number is used herein to denote the start of a range including that number (which may be a range having an upper limit or no upper limit, depending on the variable being defined). For example, “at least 1” means 1 or more than 1. The term “at most” followed by a number is used herein to denote the end of a range, including that number (which may be a range having 1 or 0 as its lower limit, or a

range having no lower limit, depending upon the variable being defined). For example, “at most 4” means 4 or less than 4, and “at most 40%” means 40% or less than 40%. When, in this specification, a range is given as “(a first number) to (a second number)” or “(a first number) – (a second number),” this means a range whose limits include both numbers. For example, “25 to 100” means a range whose lower limit is 25 and upper limit is 100, and includes both 25 and 100.

[19] The term “coolable” followed by an object is used herein to denote a certain property of the object that can be maintained in good condition when the object is kept in a temperature lower than an ambient temperature. For example, fruits are coolable because they remain fresh under a cool temperature.

[20] The term “around” followed by an object is used herein to denote an area of close proximity to the object where a certain property or properties in that area is relatively homogeneous. For example, when the term “around” is used in “a temperature sensor configured to measure a temperature around the container,” the “around” means some space in close proximity to the container where temperature is the same as the temperature on a surface of the container on which the temperature sensor is placed.

[21] As a preface to the detailed description, it should be noted that, as used in this specification, the singular forms “a”, “an”, and “the” include plural referents, unless the context clearly dictates otherwise. Like reference numbers and designations in the various drawings indicate like elements.

[22] The present description includes. . . .

[23]		LIST OF REFERENCE NUMBERS IN THE FIGURES
[24]	100	Submersible underwater container, embodiment #1 (FIGS. 1A-1B)
[25]	110	Container
[26]	115	Lid
[27]	120	Net
[28]	125	Hangers
[29]	130	Temperature Sensor (in another embodiment, temperature sensor and/or depth sensor)
[30]	140	Propellers (comprising upper and lower propellers)
[31]	145	Upper propellers
[32]	150	Lower propellers
[33]	155	Propeller receptacles (on outer surfaces of the container to receive and fix propellers)
[34]	160	Clips
[35]	165	Clip receptacles (on outer surfaces of the container to be mated with the clips)
[36]	170	Control box
[37]	200	Submersible underwater container, embodiment #2 (FIG. 2)

CLAIMS

1. A system for a submersible underwater storage comprising:
 - a container adapted for holding a **coolable** item;
 - a net connected to the container, where
 - the container and the net are submersible underwater, and
 - the net defines a vertical position of the container when the container is submerged underwater;
 - a temperature sensor configured to measure a temperature **around the container**;
 - and
 - at least one propeller associated with the container and configured to lower and raise the vertical position of the container according to the temperature measured by the temperature sensor.
2. The system of claim 1, wherein the container further comprises a tightly sealed lid.
3. The system of claim 1, wherein the net further comprises at least a hanger configured to fix the container to the net.
4. The system of claim 1, wherein the coolable item is food.
5. The system of claim 1, wherein the underwater storage further comprises a depth sensor configured to measure the vertical position of the container.
6. The system of claim 1, wherein the underwater storage further comprises a control box connected with the temperature sensor and the propeller.