TEA-BAG STRING HAVING FUNCTIONS OF INDICATING SOAKING CONDITION

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ABSTRACT

The present invention relates to the tea bag string (3) equipped with the state display function coming off of the tea bag (1). As to the normal tea bag product consisting of the tea bag (1) that content like tea or coffee is filled, the tea bag string (3) connected to the tea bag (1) and the handle (2) connected to the tea bag string (3), and it is done by a feature in the tea bag string (3) to form the color change part (4) treated with the chemical substance reacting to the water (7) coming off of the tea bag (1), and it is done by a feature in the color change part (4) to form the color change start line (9) and the color change end line (10) showing the start point and end point in which the chemical substance is treated with and the display indicating a point of time when coming off of the tea bag being appropriate in the middle part of the color change part (4), and it is done by a feature in the color change part (4) to form the color change comparison part (8) indicating the changed color of the color change part (4) at the concentration in which the tea bag (1) most well comes off in the one-side upper part in the color change part (4).
TEA-BAG STRING HAVING FUNCTIONS OF INDICATING SOAKING CONDITION

TECHNICAL FIELD

[0001] The present invention relates to tea bag string equipped with the state display function coming off of the tea bag in which the color change of the tea bag string is either lengthened or strengthened while the water coming off is absorbed into the tea bag string connected to the tea bag and the water reacts to the chemical substance of the color change part of tea bag string if a user dips the tea bag in the water to use the tea bag product.

BACKGROUND ART

[0002] Generally, the normal tea bag product consists of the tea bag (1) that content like tea or coffee is filled, the tea bag string (3) connected to the tea bag (1) and the handle (2) connected to the tea bag string (3).

[0003] The present invention relates to tea bag string equipped with the state display function coming off of the tea bag.

DISCLOSURE OF INVENTION

Technical Problem

[0004] Generally, the structure of tea bag product consists of the tea bag that content like tea or coffee is filled, the tea bag string connected to the tea bag and the handle connected to the tea bag string.

[0005] If this tea bag put in a cup in which the water is held, the resin of the content of the tea bag comes off in the water and a user drinks the water coming off. At this time, the taste and flavor of the water coming off are decided by how long the tea bag comes off in the water. However, there is a problem that any tea bag product have no this function visually informing a user when he takes the tea bag out of the water. That is, a user can’t control the concentration of the water coming off of the tea bag, before he drinks.

Technical Solution

[0006] Therefore, the present invention solves the problem as described above.

[0007] It suggests the tea bag string equipped with the state display function coming off of the tea bag in which the color change of the color change part is either lengthened or strengthened while the water coming off is absorbed into the tea bag string connected to the tea bag and the water reacts to the chemical substance of the color change part of tea bag string if a user dips the tea bag in the water to use the tea bag product.

[0008] As to the present invention to accomplish the above objects,

[0009] As the first method for expressing the time coming off of the tea bag in which it is soaked in the water,

[0010] the tea bag string equipped with the state display function coming off of the tea bag in which the color change length of the color change part is lengthened while the water coming off is absorbed into the tea bag string connected to the tea bag and the water reacts to the chemical substance of the color change part if a user dips the tea bag in the water.

[0011] As the second method for expressing the concentration coming off of the tea bag in which it is soaked in the water,

[0012] the tea bag string equipped with the state display function coming off of the tea bag in which the color change strength of the color change part is strengthened while the water coming off is absorbed into the tea bag string connected to the tea bag and the water reacts to the chemical substance of the color change part if a user dips the tea bag in the water.

[0013] So, a user visually can recognize clearly the time and the concentration coming off of the tea bag.

Advantageous Effects

[0014] So, the present invention visually can inform a user a point of time when pulls the tea bag (1) out of the water (7), and it make a user enjoy the optimum taste and incense of the tea bag product, and it can focus the interest of a user, and it includes the state display function coming off of the tea bag in which a user conveniently recognizes the state coming off of the tea bag (1).

BRIEF DESCRIPTION OF THE DRAWINGS

[0015] FIG. 1 is a tea bag whole perspective diagram according to the first method of the present invention.

[0016] FIG. 2 is an example diagram soaking the tea bag in water according to the first method of the present invention.

[0017] FIG. 3 is a color change example diagram of the color change part of the tea bag string according to the first method of the present invention.

[0018] FIG. 4 is a tea bag whole perspective diagram according to the second method of the present invention.

[0019] FIG. 5 is an example diagram soaking the tea bag in water according to the second method of the present invention.

[0020] FIG. 6 is a color change example diagram of the color change part of the tea bag string according to the second method of the present invention.

BEST MODE FOR CARRYING OUT THE INVENTION

[0031] Now, I will describe the present invention in detail with FIG. 1 to 6.

[0032] As to the normal tea bag product consisting of the tea bag (1) that content like tea or coffee is filled, the tea bag string (3) connected to the tea bag (1) and the handle (2) connected to the tea bag string (3).

[0033] As the first method of the present invention,

[0034] FIG. 1 is a tea bag whole perspective diagram according to the first method of the present invention.

[0035] FIG. 2 is an example diagram soaking the tea bag in water according to the first method of the present invention.

[0036] FIG. 3 is a color change example diagram of the color change part of the tea bag string according to the first method of the present invention.

[0037] FIG. 1 is a tea bag whole perspective diagram according to the first method of the present invention and the tea bag of the present invention as FIG. 1 is done by a feature
in the tea bag string (3) to form the color change part (4) treated with the chemical substance reacting to the water (7) coming off of the tea bag (1), and it is done by a feature in the color change part (4) to form the color change start line (9) and the color change end line (10) indicating the start point and end point in which the chemical substance is treated with and the tea bag separating line (5) indicating a point of time when coming off of the tea bag being appropriate in the middle part of the color change part (4).

[0038] The next is the explanation on the first method of the present invention as described above.

[0039] When a user uses the tea bag (1), as shown in FIG. 2, the tea bag (1) is soaked in the cup (6) in which the water (7) is held, and the water (7) coming off of the tea bag (1) is absorbed into the tea bag string (3) connected to the tea bag (1) and it is diffused according to the tea bag string (3), and it reacts to the chemical substance treated on the color change part (4) of the tea bag string (3) and the color change is caused, and, as the time flows, the color change length of the color change part (4) is more lengthen. So, the color change length of the color change part (4) makes the user visually recognize the time coming off of the tea bag (1).

[0040] FIG. 3 is a color change example diagram of the color change part of the tea bag string according to the first method of the present invention.

[0041] (a-1) of FIG. 3 shows the basic status that it does not have any change in the color change part (4) of the tea bag string (3) equipped with the state display function coming off of the tea bag (1) according to the first method of the present invention.

[0042] (a-2) of FIG. 3 shows the initial step in which, after the tea bag (1) is sunk under the water (7), the water (7) coming off of the tea bag (1) is absorbed into the color change part (4) of the tea bag string (3) and the color of the color change part (4) begins to change. (a-2) of FIG. 2 shows that the content of the tea bag (1) is not to enough comes off in the water (7), because the color change length of the tea bag string (3) doesn’t come to the tea bag separating line (5).

[0043] (a-3) of FIG. 3, after the tea bag (1) is sunk under the water (7), the water (7) coming off of the tea bag (1) reaches to the tea bag separating line (5) and the color change length of the color change part (4) of the tea bag string reaches to the tea bag separating line (5). That is, now is the point of time when it is described most appropriately.

[0044] (a-4) of FIG. 3, after the tea bag (1) is sunk under the water (7), it shows the state that the color change of the color change part (4) of the tea bag string (3) pass through the tea bag separating line (5). This shows that the tea bag (1) comes off excessively in the water (7).

[0045] As the Second method of the present invention,

[0046] FIG. 4 is a tea bag whole perspective diagram according to the second method of the present invention.

[0047] FIG. 5 is an example diagram soaking the tea bag in water according to the second method of the present invention.

[0048] FIG. 6 is a color change example diagram of the color change part of the tea bag string according to the second method of the present invention.

[0049] FIG. 4 is a tea bag whole perspective diagram according to the second method of the present invention, and the tea bag of the present invention as FIG. 4 is done by a feature in the tea bag string (3) to form the color change part (4) treated with the chemical substance reacting to the water (7) coming off of the tea bag (1), and it includes the color change comparison part (8) indicating the changed color of the color change part (4) at the concentration in which the tea bag (1) most well comes off in the one-side upper part in the color change part (4) according to the second method of the present invention.

[0050] The next is the explanation on the second method of the present invention as described above.

[0051] When a user uses the tea bag (1), as shown in FIG. 5, the tea bag (1) is soaked in the cup (6) in which the water (7) is held, and the water (7) coming off of the tea bag (1) is absorbed into the tea bag string (3) connected to the tea bag (1) and it is diffused according to the tea bag string (3), and it reacts to the chemical substance treated on the color change part (4) of the tea bag string (3) and the color change is caused, and as the concentration of the water (7) coming off of the tea bag is more strengthen, the color change of the color change part (4) of the tea bag string (3) is more deepen. So, the color change of the color change part (4) makes the user visually recognize the concentration of the water (7) coming off of the tea bag (1).

[0052] FIG. 6 is a color change example diagram of the color change part (4) of the tea bag string (3) according to the second method of the present invention.

[0053] (b-1) of FIG. 6 shows the basic status that it does not have any change in the color change part (4) of the tea bag string (3) equipped with the state display function coming off of the tea bag (1) according to the second method of the present invention.

[0054] (b-2) of FIG. 6 shows the initial step in which, after the tea bag (1) is sunk under the water (7), the water (7) coming off of the tea bag (1) is absorbed into the color change part (4) of the tea bag string (3) and the color of the color change part (4) begins to change. That is, (b-2) of FIG. 6 shows that the content of the tea bag (1) is not to enough comes off in the water (7), because the color change strength of the tea bag string (3) is lighter than the color change comparison part (8).

[0055] (b-3) of FIG. 6 shows that the color of the color change part (4) becomes like the color of the color change comparison part (8). That is, this state is the concentration that the tea bag (1) comes off most appropriately.

[0056] In this way, the present invention shows a user visually the time and the concentration coming off of the tea bag and informs a user a point of time when pulls the tea bag (1) out of the water (7).

[0057] As described above, when a user uses the tea bag product, the present invention visually can inform a user a point of time when pulls the tea bag (1) out of the water (7), it make a user enjoy the optimum taste and incense of the tea bag product, and it can focus the interest of a user, and it includes the state display function coming off of the tea bag in which a user conveniently recognizes the state coming off of the tea bag (1).

MODE FOR THE INVENTION

[0058] omission

INDUSTRIAL APPLICABILITY

[0059] The invention can be used for all tea bag product

SEQUENCE LISTING

[0060] omission
1-3. (canceled)

4. A tea bag product, comprising:
   a teabag;
   a teabag string connected to the teabag and configured to display a state, the teabag string including a color change part treated with a chemical substance that reacts to water; and
   a handle connected to the teabag string.

5. The tea bag product according to claim 4, wherein the color change part is configured to form a color change start line and a color change end line showing the start point and the end point in which the chemical substance is treated, and the display indicating a point of time when coming off of the tea bag being appropriate in the middle part of the color change part.

6. The tea bag product according to claim 4, wherein the color change part is further configured to form a color change comparison part indicating a changed color of the color change part at a concentration that is best for the tea bag to be removed in a one-side upper part in the color change part.

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