CLEANING PROPERTIES STRUCTURE

Field of Invention

This invention refers to a type of Cleaning Properties Structure that can be directly dissolved in water or liquid and contains cleaning effects. It leaves no excessive packaging residues and is use at fixed quantity without causing any wastage which is in line with the principle of environmental protection.

Background of the Invention

Detergents in our daily life such as shampoo, dishwasher, etc. are generally stored in plastic bottles or plastic boxes for usage. When the cleaning agents contained in these containers deplete, these plastic bottles will become rubbish and discarded. Although currently there are refill packs with recyclable packaging that are being introduced and available in the market, the recyclable packaging are mainly plastic-container based. As environmental protection issue is greatly emphasized presently, there is still plenty of room for improvements. What's more, the detergents usage volume is not fixed and often there tends to be circumstances of excessive usage resulting in detergent waste and pollutions related to excessive usage.

In view of this, how to provide a fixed dosage of detergent usage without using packaging material, coupled with fixed usage volume without causing wastage and pollutions in order to achieve the purpose of environmental protection is currently the major problem faced and looking forward to be resolved by industry players.

Through continuous research, improvements and tests, the inventor finally has invented this Cleaning Properties Structure.

The main purpose of this invention is to provide a Cleaning Properties Structure that can be used at fixed volume and quantity can be used without creating excessive

packaging wastes and pollutions. Thus it is in line with the principle of environmental protection.

Cleaning Properties Structure is aligns with environmental protection that can be directly dissolved in water or liquid when in use and has cleaning effects. It leaves no excessive packaging residues and it is used at fixed quantity. Cleaning Properties Structure will not cause any wastage which comprising soluble detergent powder particles and over coating layer which is made of paper or plastic material that is soluble in water or liquid. As the special characteristics aforementioned, when the item is in use in according to different requirements and situations, one or more Cleaning Properties Structure which contains detergent cleaning effects can be directly put into water or liquid. There will be no excessive packaging residues and it is used at fixed quantity without causing any wastage. Thus it is in line with the principle of environmental protection.

Summary of the Invention

A type of Cleaning Properties Structure which is environmental-friendly and can be directly dissolved in water or liquid when used that has cleaning effects.

Cleaning Properties Structure leaves no excessive packaging residues, use at fixed quantity, and will not cause any wastage.

It comprises soluble detergent powder particles and over coating layers that wrapped the soluble detergent powder particles. The over coating layer is made of paper or plastic material that is soluble in water or liquid.

As the special characteristics aforementioned the item is used in according to different requirements and situations, where one or more Cleaning Properties Structure is dissolves into the water or liquid.

Cleaning Properties Structure contains detergent cleaning effects, where there will be no excessive packaging residues and it can be used in fixed quantity without causing any wastage which is in line with the principle of environmental protection.

Brief Description of the Drawings

For the purpose of facilitating an understanding of the invention, there is illustrated in the accompanying drawing the preferred embodiments from an inspection of which when considered in connection with the following description, the invention, its construction and operation and many of its advantages would be readily understood and appreciated.

Figure 1 A three-dimensional schematic diagram of the invention embodiment.

Figure 1.1 A combined sectional enlarged view of the present invention embodiment. (The outer cover layer is integrally formed to form a bag body)

Figure 1.2 A combined sectional enlarged view of the present invention embodiment. (The outer cover layer is integrally formed by a combination of two layers of outer cover layer to form a bag body)

Detailed Description of the Invention

As shown in Figure 1 to Figure 1.3, the Cleaning Properties Structure (1) of this invention is related to a type of environmental-friendly cleaning agent that can be directly dissolved in water or liquid for use without leaving any packaging residues. It is used at fixed quantity where Cleaning Properties Structure (1) will not cause any wastage. The Cleaning Properties Structure (1) is consisting of soluble detergent powder particles (11) and over coating layer (12) that covered and wrapped the

soluble detergent powder particles (11). The over coating layer (12) is a type of paper or plastic material that can be dissolved in water or liquid.

As the unique characteristics aforementioned, the item is used in according to different requirements and situations where one or more Cleaning Properties Structure (1) is dissolved into the water or liquid and cleaning effects will take place. Since the over coating layer (12) and soluble detergent powder particles (11) are both soluble in water or liquid, therefore there will be no excessive packaging residues left. It is used at fixed quantity and prevents wastage, which is in line with the principle of environmental protection.

Furthermore, during the actual production, the over coating layer (12) may be integrally formed to form a bag where soluble detergent powder particles (11) are wrapped inside. The over coating layer (12) may be formed by joining two or more sheets body (121) & (122) to form a bag body (refer Figure 1.3) which contained soluble detergent powder particles (11).

In addition, during the actual manufacturing production, different sizes or volumes of Cleaning Properties Structure (1) can be manufactured where users can conveniently choose the quantity according to different needs or preference thus achieving the purpose of fixed volume usage with no wastage.

Further to aforementioned, the over coating layer (12) can be in various volumes and geometric shapes like oval, rectangular, circular, square, polygonal, or irregular shapes according to the total quantity of soluble detergent powder particles (11) contained and wrapped in over coating layer (12).

Each of the over coating layer (12) of the Cleaning Properties Structure (1) and the soluble detergent powder particles (11) coated are soluble in water or liquid, where there will be no excessive packaging residues thus it is in line with the principle of protecting the environment.

Nevertheless, the above is merely one of the preferred embodiments of this invention and shall not limit the actual scope of implementation of this invention. All equivalent changes and modifications made in accordance with the scope of this patent application shall be deemed as fall within the scope of invention covered by this patent.

Claims

1. Cleaning Properties Structure comprising over coating layer (12) and soluble detergent powder particles (11). The over coating layer (12) contained soluble detergent powder particles (11) which is made of material that is soluble in water or liquid.

2. The Cleaning Properties Structure according to claim 1, wherein the over coating layer (12) is integrally formed to form a bag body and soluble detergent powder particles (11) are covered in the bag body.

3. The Cleaning Properties Structure according to claim 1, wherein the over coating layer (12) is integrally formed by a combination of two or more sheets body (121) & (122) to form a bag body and contained multiple soluble detergent powder particles (11).

4. A Cleaning Properties Structure comprising soluble detergent powder particles (11) and the over coating layer (12) is integrally formed to form a bag body, and wherein the over coating layer (12) is made of material that is soluble in water or liquid.

5. The Cleaning Properties Structure according to claim 4, wherein the outer cover layer (12) is integrally formed to form a bag body (121) & (122) and the multiple soluble detergent powder particles are covered by the bag body (121) & (122).

6. The Cleaning Properties Structure according to claim 4, the over coating layer (12) is integrally formed by a combination of two or more sheets body (121) & (122) to form a bag body and covered the soluble detergent powder particles (11).

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7. A Cleaning Properties Structure comprising soluble detergent powder particles (11) and over coating layer (12) is integrally formed to form a bag body and wherein the over coating layer (12) is made of material that is soluble in water or liquid.

8. The Cleaning Properties Structure according to claim 7, wherein the over coating layer (12) is integrally formed to form a bag body and the soluble detergent powder particles (11) are covered by the bag body.

9. The Cleaning Properties Structure according to claim 7, wherein the over coating layer (12) is integrally formed by a combination of two or more sheets body (121) & (122) to form a bag body and covered the soluble detergent powder particles (11).