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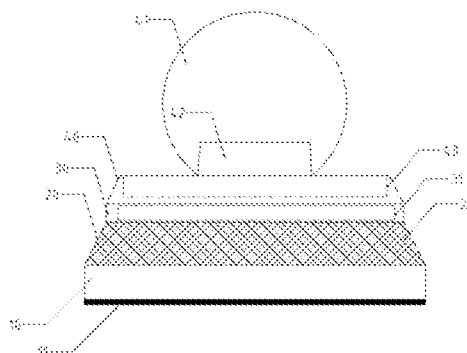
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PHOTOVOLTAIC VEHICLE-MOUNTED ORNAMENT.

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The invention discloses a photovoltaic vehicle-mounted ornament, comprising a base, wherein: the upper end surface of the base is fixed with a first mounting base; an outer slope of the first mounting base is fixed with a photovoltaic power generation panel, and the other outer slope of the first mounting base opposite to the photovoltaic power generation panel is fixed with a control panel; the upper end surface of the first mounting base is provided with a second mounting base, and the inside of the second mounting base is provided with a battery electrically connected to the photovoltaic power generation panel; the upper end surface of the second mounting base is fixed with a third mounting base, and the upper end surface of the third mounting base is provided with a glass lampshade and an LED lamp holder located in the glass lampshade; the inside of the third mounting base is provided with a control circuit board electrically connected to the LED lamp holder, the battery, and the control panel. The invention achieves the goals of energy conservation, environmental protection, beauty and practicality by combining photovoltaic power generation technology and vehicle-mounted ornaments. It can still provide lighting when there is no lighting or street light, and its status can be adjusted at the same time. It has the functions of warning and collision prevention, and can meet the dual needs of consumers for the functionality and aesthetics of vehicle-mounted ornaments.



PHOTOVOLTAIC VEHICLE-MOUNTED ORNAMENT

FIELD OF THE INVENTION

The invention relates to the technical field of vehicle-mounted ornaments, and specifically to a photovoltaic vehicle-mounted ornament.

BACKGROUND ART

With the increasing awareness of environmental protection and the rapid development of new energy technology, photovoltaic power generation technology has been widely used. At the same time, as part of the car interior, vehicle-mounted ornaments are also favored by the majority of car owners. However, most of the vehicle-mounted ornaments currently on the market only have decorative functions and lack practical application value. Therefore, combining photovoltaic power generation technology with vehicle-mounted ornaments to develop a photovoltaic vehicle-mounted ornament that is both decorative and practical is of great significance for improving the use value of vehicle-mounted ornaments and promoting the application of new energy technologies.

SUMMARY OF THE INVENTION

The invention aims to provide a photovoltaic vehicle-mounted ornament, which not only has decorative properties, but also can provide electric energy for LED lights through photovoltaic power generation to achieve lighting and warning functions. The invention is realized through the following technical solutions.

A photovoltaic vehicle-mounted ornament, comprising a base, wherein:

the upper end surface of the base is fixed with a first mounting base; an outer slope of the first mounting base is fixed with a photovoltaic power generation panel, and the other outer slope of the first mounting base opposite to the photovoltaic power generation panel is fixed with a control panel;

the upper end surface of the first mounting base is provided with a second mounting base, and the inside of the second mounting base is provided with a battery electrically connected to the photovoltaic power generation panel;

the upper end surface of the second mounting base is fixed with a third mounting base, and the upper end surface of the third mounting base is provided with a glass lampshade and an LED lamp holder located in the glass lampshade; the inside of the third mounting base is provided with a control circuit board electrically connected to the LED lamp holder, the battery, and the control panel.

Further, the lower end surface of the base is fixed with a sponge glue layer for fixing.

Further, the cross-section of the first mounting base is an isosceles trapezoidal structure.

Further, the control panel is respectively provided with a light switch key, a light color switch key, a light brightness adjustment knob, and a light status switch key.

Beneficial effects of the invention: the device of the invention realizes a photovoltaic vehicle-mounted ornament that integrates photovoltaic power generation, lighting, warning and decoration functions. The ornament can not only provide electric energy for LED lights using photovoltaic power generation technology, but also achieve energy-saving and environmentally friendly lighting functions. The ornament can not only use photovoltaic power generation technology to provide electric energy for LED lights to achieve energy-saving and environmentally friendly lighting functions, but also has a beautiful and elegant appearance. It can be used as part of the car interior to enhance the overall aesthetics of the interior environment. At the same time, through the operation keys on the control panel, users can easily adjust the working status of the LED lights to meet different usage needs.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a first structural diagram of the photovoltaic vehicle-mounted ornament according to the invention;

FIG. 2 is a second structural diagram of the photovoltaic vehicle-mounted ornament according to the invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

In order to make the objectives, technical solutions, and advantages of the embodiments of the invention clearer, the technical solutions in the embodiments of the invention will be described clearly and completely hereinafter with reference to the drawings in the embodiments of the invention. Obviously, the described embodiments are part of the

embodiments of the invention, rather than all of the embodiments. The components of the embodiments of the invention generally described and illustrated in the drawings herein may be arranged and designed in various different configurations.

In the description of the invention, it needs to be understood that the orientation or positional relationship indicated by the terms “center”, “up”, “down”, “left”, “right”, “vertical”, “horizontal”, “inner”, “outer”, etc. are based on the orientation or positional relationship shown in the drawings, which are only for the convenience of describing the invention and simplifying the description, rather than indicating or implying that the device or element referred to must have a specific orientation, be constructed and operated in a specific orientation, and therefore cannot be understood as a limitation of the invention. In addition, the terms “first”, “second”, and “third” are only used for descriptive purposes, and cannot be understood as indicating or implying relative importance or implicitly indicating the number of indicated technical features.

In addition, the terms “horizontal”, “vertical”, “dangling”, etc. do not mean that the component is required to be absolutely horizontal or hanging, but may be slightly inclined. For example, “horizontal” only means that its direction is more horizontal than “vertical”, it does not mean that the structure must be completely horizontal, but can be slightly inclined.

In the description of the invention, “plurality” means at least two.

In the invention, unless otherwise clearly defined and limited, the terms “provided”, “installed”, “connected” and other terms should be interpreted broadly; for example, it can be a fixed connection, it can be a detachable connection, or integrated; it can be a mechanical connection or an electrical connection; it can be a direct connection, or an indirectly connection through an intermediate medium, and it can be an internal communication between two elements or the interaction relationship between two elements. For those of ordinary skill in the art, the specific meaning of the above terms in the invention can be understood according to specific circumstances.

Embodiment

A photovoltaic vehicle-mounted ornament, comprising a base 10, wherein:

the upper end surface of the base 10 is fixed with a first mounting base 20; an outer slope of the first mounting base 20 is fixed with a photovoltaic power generation panel 21, and the

other outer slope of the first mounting base 20 opposite to the photovoltaic power generation panel 21 is fixed with a control panel 22 for controlling the function of the ornament;

the upper end surface of the first mounting base 20 is provided with a second mounting base 30, and the inside of the second mounting base 30 is provided with a battery 31 electrically connected to the photovoltaic power generation panel 21 for storing the electric energy generated by the photovoltaic power generation panel;

the upper end surface of the second mounting base 30 is fixed with a third mounting base 40, and the upper end surface of the third mounting base 40 is provided with a glass lampshade 41 and an LED lamp holder 42 located in the glass lampshade 41, and the LED lamp holder 42 is used to emit lighting light; the inside of the third mounting base 40 is provided with a control circuit board 43 electrically connected to the LED lamp holder 42, the battery 31, and the control panel 22 for controlling the switch, color, brightness, and status of the LED lamp.

Further, the invention has the following features:

the lower end surface of the base 10 is fixed with a sponge glue layer 11 for fixing, so that the ornament can be firmly adhered to a suitable position inside the car;

the cross-section of the first mounting base 20 is an isosceles trapezoidal structure, so that the overall appearance of the ornament is stable and beautiful;

the control panel 22 is respectively provided with a light switch key 221, a light color switch key 222, a light brightness adjustment knob 223, and a light status switch key 224, which facilitates the user to adjust the switch, color, brightness, and status of the LED lamp according to needs, wherein the status includes steady light and flashing.

In summary, the invention provides a photovoltaic vehicle-mounted ornament, which achieves the goals of energy conservation, environmental protection, beauty and practicality by combining photovoltaic power generation technology and vehicle-mounted ornaments. It can still provide lighting when there is no lighting or street light, and its status can be adjusted at the same time. It has the functions of warning and collision prevention, and can meet the dual needs of consumers for the functionality and aesthetics of vehicle-mounted ornaments.

The invention and the embodiments thereof are described hereinabove, and this description is not restrictive. What is shown in the drawings is only one of the embodiments

of the invention, and the actual structure is not limited thereto. All in all, structural methods LU507140
and embodiments similar to the technical solution without deviating from the purpose of the
invention made by those of ordinary skill in the art without creative design shall all fall within
the protection scope of the invention.

CLAIMS

1. A photovoltaic vehicle-mounted ornament, comprising a base, wherein:

the upper end surface of the base is fixed with a first mounting base; an outer slope of the first mounting base is fixed with a photovoltaic power generation panel, and the other outer slope of the first mounting base opposite to the photovoltaic power generation panel is fixed with a control panel;

the upper end surface of the first mounting base is provided with a second mounting base, and the inside of the second mounting base is provided with a battery electrically connected to the photovoltaic power generation panel;

the upper end surface of the second mounting base is fixed with a third mounting base, and the upper end surface of the third mounting base is provided with a glass lampshade and an LED lamp holder located in the glass lampshade; the inside of the third mounting base is provided with a control circuit board electrically connected to the LED lamp holder, the battery, and the control panel.

2. The photovoltaic vehicle-mounted ornament according to claim 1, wherein the lower end surface of the base is fixed with a sponge glue layer for fixing.

3. The photovoltaic vehicle-mounted ornament according to claim 1, wherein the cross-section of the first mounting base is an isosceles trapezoidal structure.

4. The photovoltaic vehicle-mounted ornament according to claim 1, wherein the control panel is respectively provided with a light switch key, a light color switch key, a light brightness adjustment knob, and a light status switch key.

1. Eine photovoltaische Fahrzeugverzierung, die eine Basis umfasst, dadurch gekennzeichnet, dass die obere Endfläche der Basis fest mit einer ersten Montagebasis versehen ist, ein photovoltaisches Energieerzeugungspaneel fest auf einer äußeren schrägen Fläche der ersten Montagebasis vorgesehen ist, und ein Steuerpaneel fest auf der anderen äußeren schrägen Fläche relativ zu dem photovoltaischen Energieerzeugungspaneel vorgesehen ist;

dass die obere Endfläche der ersten Montagebasis fest mit einer zweiten Montagebasis versehen ist, und eine mit dem photovoltaischen Energieerzeugungspaneel verbundene Batterie im Inneren der zweiten Montagebasis vorgesehen ist;

dass die obere Endfläche der zweiten Montagebasis fest mit einer dritten Montagebasis versehen ist, ein Glaslampenschirm und eine innerhalb des Glaslampenschirms befindliche LED-Lampenbasis in der oberen Endfläche der dritten Montagebasis vorgesehen sind, und eine mit der LED-Lampenbasis, der Batterie und dem Steuerpaneel elektronisch verbundene Steuerschaltungsplatte im Inneren der dritten Montagebasis vorgesehen ist.

2. Photovoltaische Fahrzeugverzierung nach Anspruch 1, dadurch gekennzeichnet, dass eine Schwammklebeschicht zur Befestigung fest auf der unteren Endfläche der Basis vorgesehen ist.

3. Photovoltaische Fahrzeugverzierung nach Anspruch 1, dadurch gekennzeichnet, dass der Querschnitt der ersten Montagebasis eine gleichschenklige Trapezstruktur aufweist.

4. Photovoltaische Fahrzeugverzierung nach Anspruch 1, dadurch gekennzeichnet, dass das Steuerpaneel mit einer Taste zum Ein/Ausschalten des Lichts, einer Taste zum Umschalten der Lichtfarbe, einem Knopf zum Einstellen der Lichthelligkeit bzw. einer Taste zum Umschalten des Lichtstatus versehen ist.

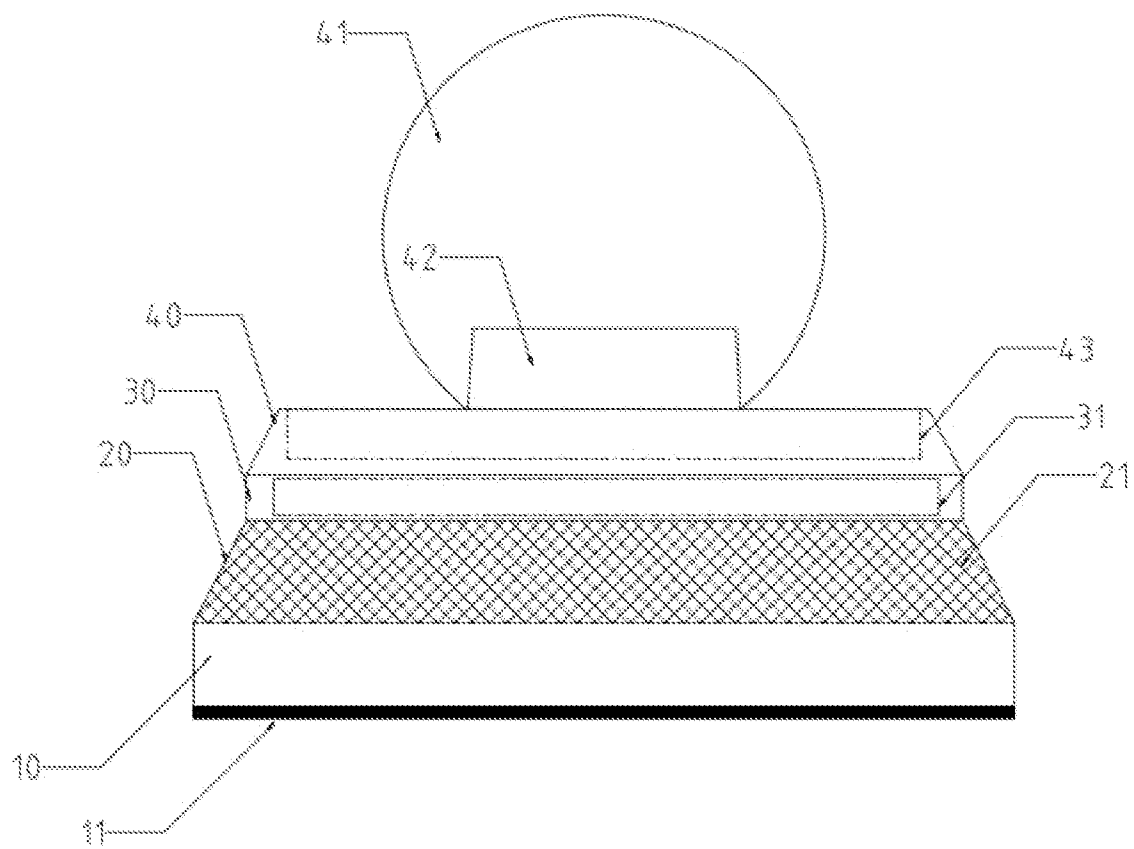


FIG. 1

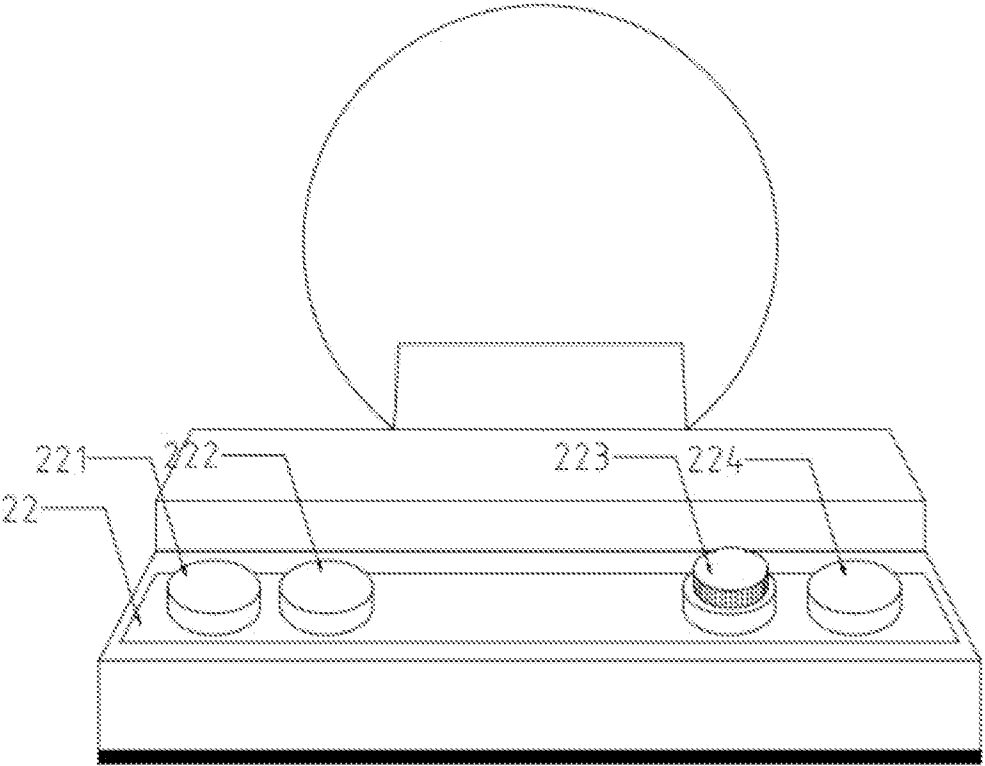


FIG. 2