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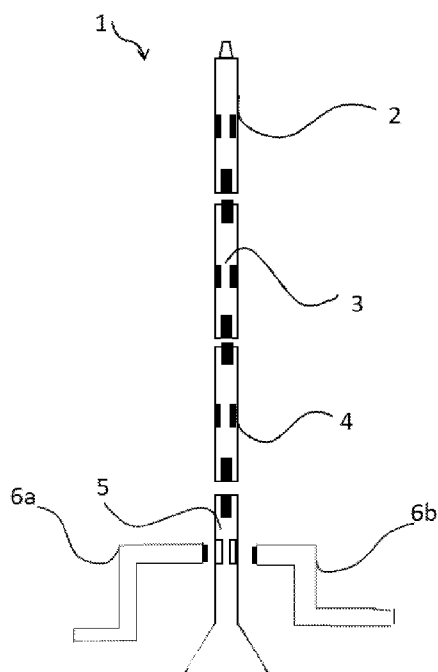


FIG. 1

(57) Abstract: The device of the invention comprises at least two independent modules featuring snap-attachment of one module to the other, mounting a stand which provides support and stability to the photo camera. Thus, the user attaches the pieces by snap-fitting one to the other so as to form the chosen shape and thus obtaining angles for taking the photographs.



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DEVICE AS A DEMOUNTABLE STAND FOR PHOTO CAMERAS

OBJECT OF THE INVENTION

5 The present invention may be included in the technical field of photography as an element intended for supporting and improving the stability of the photo camera, reaching better angles so as to obtain surprising photographs.

10 More particularly, the object of the invention refers to a modular device intended as a support in order to provide for taking photographs at different scenarios without requiring the camera to be held by a person.

BACKGROUND OF THE INVENTION

15 During the beginning of the photographic era, camera stands or tripods resulted from the need of creating a camera support which allowed carrying out with the work since these elements were big and heavy. Subsequently, cameras sizes were progressively reduced, but vibration and movement of the user hand is still hindering the camera from being used at its maximum
20 performance when taking photographs. That is the reason why camera stands are used so as to provide stability and support to the camera for obtaining better results in terms of the photograph.

25 US7905667 describes a two-in-one device, said device being a one-leg stabilizer and turning into a tripod. At the same time, the threading module for placing the photographic instrument therein is adapted to any standard digital model comprising it. This device can only be moved in terms of the height thereof or the position of its legs.

30 US7017873 describes a one-leg photographic stabilizer, being attached by means of screws and threads where it is possible to add further elements by means of screws and hooks.

Therefore, considering the previous documents it is necessary to find alternatives directed to provide a device being versatile, comfortable and capable of change different shot angles easily.

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DESCRIPTION OF THE INVENTION

The present invention provides a modular device allowing the user to place as many elements as they like in the required way and location comfortably and easily. It also allows placing more than one camera, light or another element within the same device and placing as many assembly modules as required in the desired way and position.

Therefore, an aspect of the present invention refers to a device used as a demountable stand for photo cameras characterized in that it comprises at least two modules forming the tripod body:

-the lower module forms the device leg comprising engagement elements at the sides thereof which allow adding further legs, thus modifying the stand from a monopod system into a tripod so as to provide better support;

-the upper module comprises, at the upper end thereof, an anchoring system for the photo camera which may be a standard thread being adjustable to the variety of cameras from the current market, without additional elements being required; and

wherein the lower module is attached to the upper module by means of tongued and grooved anchoring elements.

In a preferred embodiment the device also comprises at least an intermediate module connected by means of tongued and grooved anchoring elements between the lower module and the upper module.

Furthermore, the tongued and grooved anchoring elements between the modules can be lateral or linear and are snap-fitted, allowing in these cases changing the upper module position reaching different shot angles, or adding more than one upper module with several cameras or one camera and any other element or elements which may be needed for taking a photograph.

DESCRIPTION OF THE DRAWINGS

FIG. 1.- It shows a front elevation view of the device of the invention.

FIG. 2.- It shows a front elevation view of the device of the invention with a vertical module.

FIG. 3.- it shows a front elevation view of the upper module of the device of the invention.

FIG. 4.- It shows a front elevation view of the intermediate module of the device of the invention.

PREFERRED EMBODIMENT OF THE INVENTION

The following is a description of a preferred embodiment of the invention based on the attached figures **FIG. 1** to **FIG. 4**.

The device **(1)** has been designed based on modules **(2, 3, 4, 5)** being attached by means of snap tongue-and-groove anchoring elements. The upper module **(2)** is provided with a screw being easily threaded to standard digital cameras. Every module has openings at the sides thereof for the other modules to be inserted therein as the user requires. The intermediate module **(3)** features a tongue engagement **(3c)** so as to apply other connections and provide for additional arms. The lower module or base **(5)** of the device follows the same concept as the intermediate module **(3)**, thus allowing

addition of more legs so as to create a three-point stand or tripod (**6a, 6b**). The legs (**6a, 6b**) also have a tongue connection which is attached to the module (**5**) sides. Once the user has inserted the legs (**6a, 6b**), the module (**5**) is transformed into a tripod-like stand.

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The upper module (**2**) may be connected to the intermediate module (**3**) so as to place the photographic device at a side thereof (**FIG. 2**), thus providing another way to place the photo camera. The module (**4**) lays horizontally and connected to the next one until reaching the module (**5**) the task of which is to provide stability to the device, which can also be added further legs (**6a, 6b**) thus creating a tripod being connected to the previous module for more stability.

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FIG. 3 shows the standard thread (**2a**) where the user must place the photo camera in. Openings (**2b, 2c, 2d**) are used for the user to be able to insert and attach a module having a different tripod configuration when needed.

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FIG. 4 shows the intermediate module (**3**) with a connection being adaptable to all the openings of the modules of the device, two of them (**3a, 3b**) being openings placed at the sides and a lower opening (**3c**), wherein the user can snap fit the different modules to create the required shape.

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CLAIMS

1.- Device as a demountable stand for photo cameras characterized in that it comprises at least two modules forming the body of the tripod:

5 -the lower module forms the device leg comprising engagement elements at the sides thereof which allow adding further legs;

 -the upper module comprises at the upper end thereof an anchoring system for the photo camera; and

10 wherein the lower module is attached to the upper module by means of tongued and grooved anchoring elements.

2.- Device according to claim 1, further comprising at least an intermediate module connected by means of tongued and grooved anchoring elements between the lower module and the upper module.

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3.- Device according to claim 2, wherein the tongued and grooved anchoring elements between the modules are lateral or linear and are snap-fitted.

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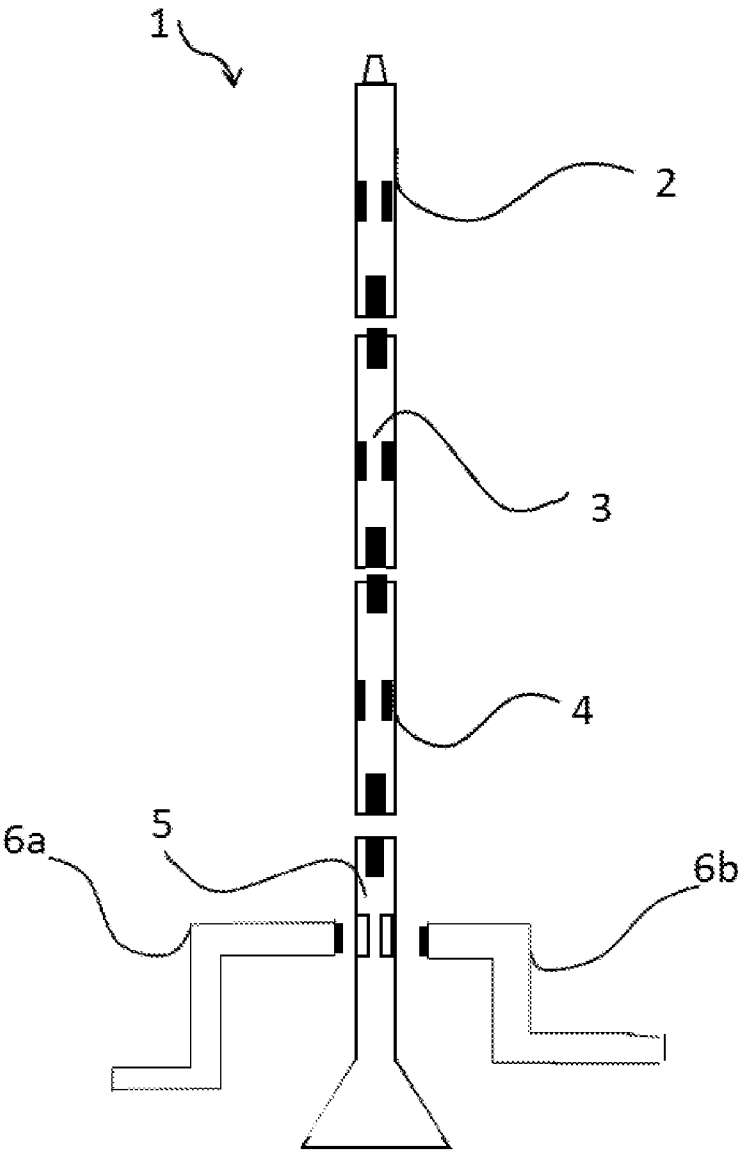


FIG. 1

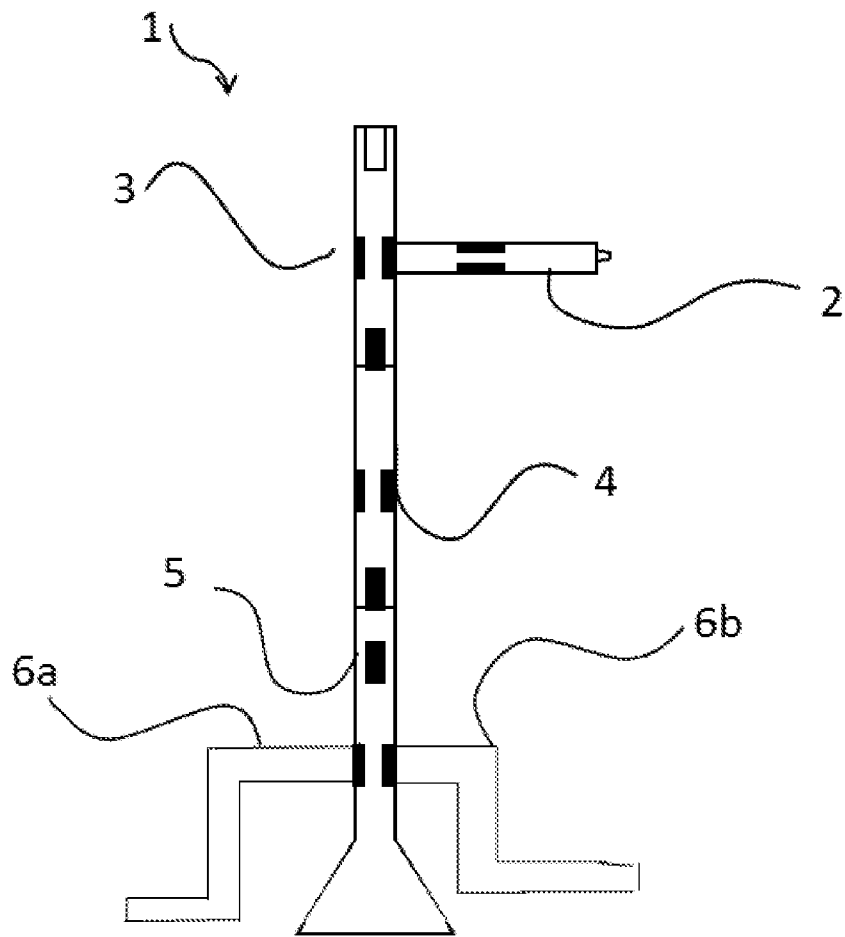


FIG. 2

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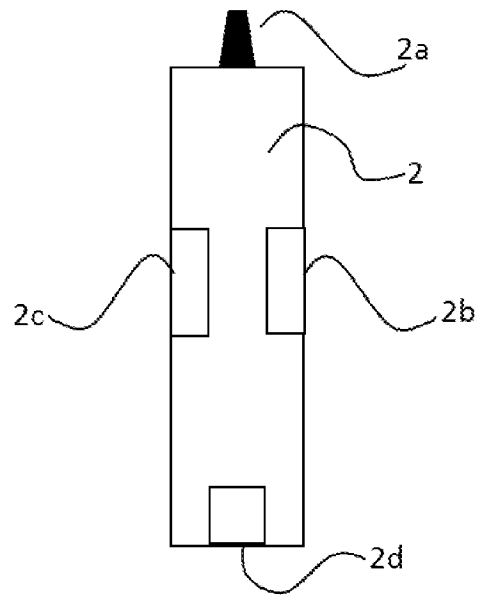


FIG. 3

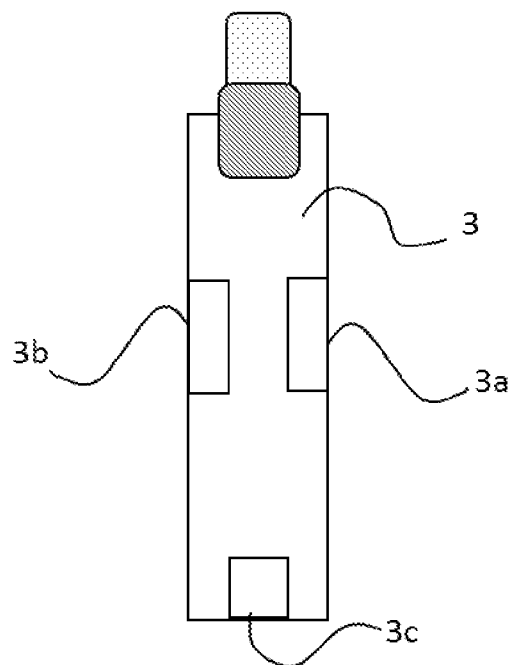


FIG. 4