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(54) **Cap lamp**

(57) Consists of a plug-shaped lamp for maintaining closed bottles and illuminated, which has a cylindrical inner compartment with a cap at the top where it places an internal focusing led down into the neck of the bottle

and its contents, cap out a cable, which goes through a small opening made in the top of the cap contour abroad and whose end is the corresponding socket for the mains.

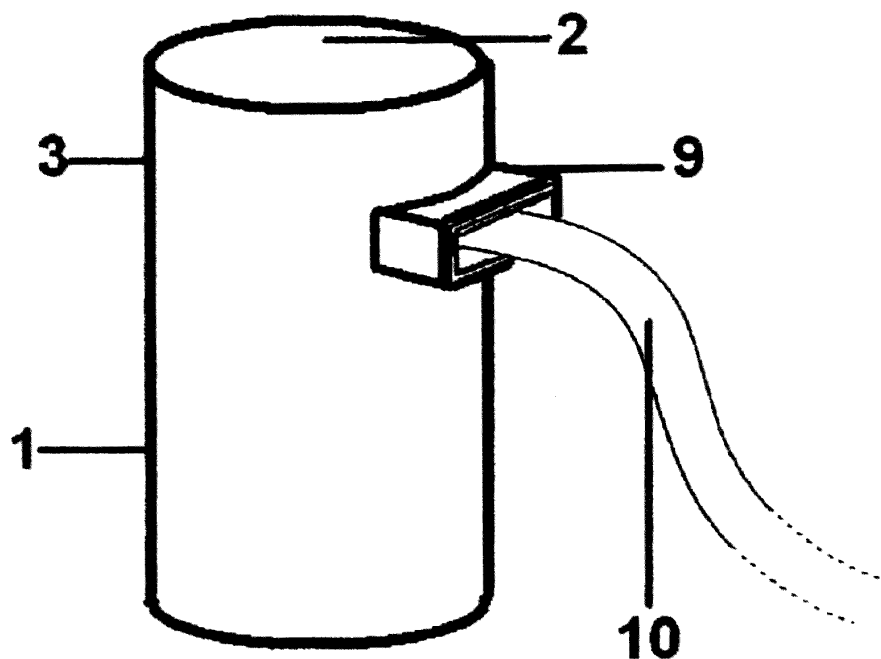


FIG. 2

Description

[0001] This description memo refers to a invention patent regarding a cap lamp for bottles, with an innovative lighting system inside, whose purpose (evidently) is to provide the lamps with an aesthetic appearance (using bottles as support), randomly creates different shades depending on the type and quantity of liquid in the bottles in order to play with the light intensity in any room.

Field of the invention

[0002] This invention has its application in the manufacturing industry of lamps, electrical devices and lighting accessories for any places such as homes, coffee shops, offices, etc as well as in the advertisement sector and particularly in the hotel and commercial industry in order to advertise commercial images.

Background to the invention

[0003] Currently and since long ago, it is common to see table lamps; being these a classical way of providing light to the environment in study tables, coffee tables and other sites such as places of transit. Each and every of these items that we find in our everyday life are known to include a fastening element, the lamp foot or holder, which's height and size vary depending on whether the lamp stands on the floor or a table, implying that the aesthetics will always be alike and that only the position of the lamp will be subject to changes, as the light source will always need the lamp foot or holder.

[0004] Consequently it is deduced that the current lighting systems limit the free movement and aesthetics' change; therefore, the image offered by the lamp in a specific place will always remain the same in any other environment and the light will not change unless the light bulb, led or other light source is replaced and the element through which the light shines like a lamp shade.

[0005] The obvious solution to these issues would be to have an element or device which, with a reduced cost and a simple assembly, would provide a new and more attractive image to the environment where it is placed, changing the image offered depending on the location and support used for it. However, until this very moment there is no awareness of the existence of such an invention, which solves the aforementioned issues and at the same time enhances the aesthetics of lighting systems.

Description of the invention

[0006] The cap lamp for bottles, which constitutes by itself a solution to the existing problems explained, being an item which enables to play in an unlimited number of ways with the light of the environment in which it is placed, enhancing the attractive of corners and spaces providing several forms and intensities of lighting and even different colour tone scales.

[0007] Specifically, the cap lamp for bottles advocated in the present document transfers to the field of lighting systems, and particularly to the table- and floor- systems, the advantages of providing different atmospheres to the environment where it is placed, as well as the freedom of intensity, colour and amplitude desired at anytime.

[0008] The cap lamp for bottles advocated in the present document has the ability to become part of the environment where it is placed, as the only element to be provided is a support to put the cap lamp for bottles and then place it at any desired spot. For the purpose of the support it is enough to have a bottle available, which can have any dimensions, any glass colour deemed interesting and/or be totally or partially filled with the liquid or element desired in order to get the light intensity, colour and amplitude desired at any given moment.

[0009] This provides a wide range of possibilities for decorating a wide space or, for instance, a small reading corner as it consists, as the name already points out, of a cap for bottles with cylindrical shape in which's interior a small led lamp is comprised, assembled in the top inner area of the cylinder, with a small opening on the upper outline from which a power cord with a conventional plug at the other end of the cable emerges in order to plug the device to a standard socket. Therefore, it is only necessary to place the device as a bottle cap on the bottleneck of the desired or available bottle, of any given glass colour and tone and with or without a filling liquid, being these elements the ones which will provide a different image at any given moment, by projecting the beam of light downwards into the bottle, illuminating the interior of the bottle and providing light to the environment.

[0010] The effects and advantages resulting from the invention patent hereby advocated are the following:

- Because of the manufacturing possibilities with common and inexpensive materials and elements, together with the development of a simple technology, the manufacturing cost of the product is very low and the resulting product highly competitive.
- The simplicity and economy of a system of such characteristics enables to transfer or change the lighting point to any desired spot, being only necessary a standard electrical socket nearby.
- Because of the ease of use and simplicity of the system, it is suitable to be used in any place, space or environment without distinction.
- Because of the standardized manufacturing, it is suitable for any bottle (or container of similar characteristics) with a bottleneck on which the lamp can be placed as a bottle cap.

Description of the designs

[0011] In order to complement the description and to

improve the comprehension of the features of the invention, this descriptive memory attaches, as integral part of the memory, a plot layout which represents with illustrative and not restrictive character the following:

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Figure 1: Shows the elevation view of the whole device, set on the bottleneck and mouth of the bottle.

Figure 2: Shows the perspective view of the cap lamp for bottles.

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Preferential realization of the invention

[0012] In the light of the figures described above, it can be observed that the invention is a lamp (1) in the form of a cap for bottles (2) in which's interior, in the top inner area (3) and inside a small space (4), there is a base / lamp cap (5) to house/host a led light (6). It can also be observed that once the lamp (1) is placed as a bottle cap on the bottleneck (7) of the bottle (8) it will light up the interior of the bottle and its environment. On the upper outline (3) it has a small opening (9) in order to connect a power cord (10) with a plug (11) at the other end of the cable.

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[0013] It is deemed unnecessary to further strain over details as any skilled person will understand the advantages and extension of the invention.

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[0014] The materials, shapes, size and layout of the elements will be subject to changes as long as it does not result into an alteration of the essence of the invention.

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[0015] The terms described in this memory will always have to be interpreted in a broad sense and without limiting character.

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Claims

1. Cap lamp for bottles, **characterized by** including a led light in the top inner area.
2. Cap lamp for bottles, as described above, **characterized by** presenting a small opening on the upper outline.
3. Cap lamp for bottles, as described above, **characterized by** having a power cord with a plug at the other end of the cable. The power cord is connected to the small opening on the upper outline.

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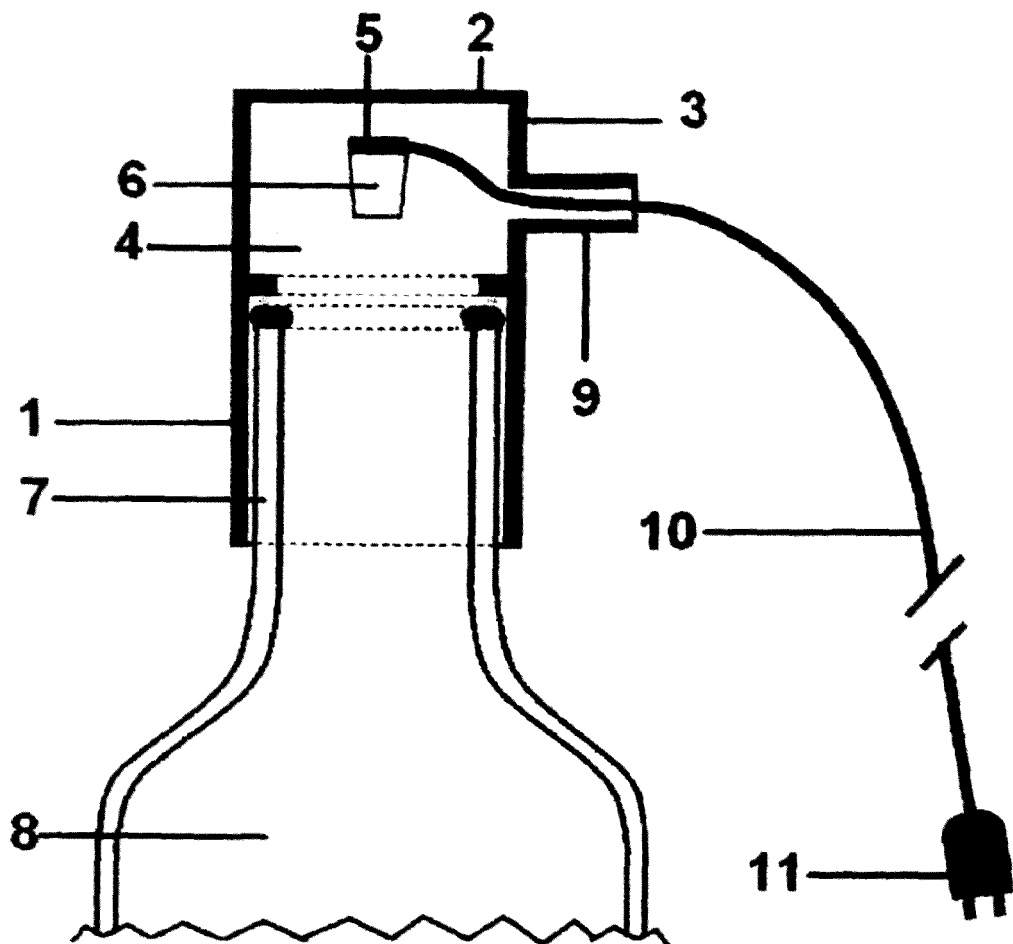


FIG. 1

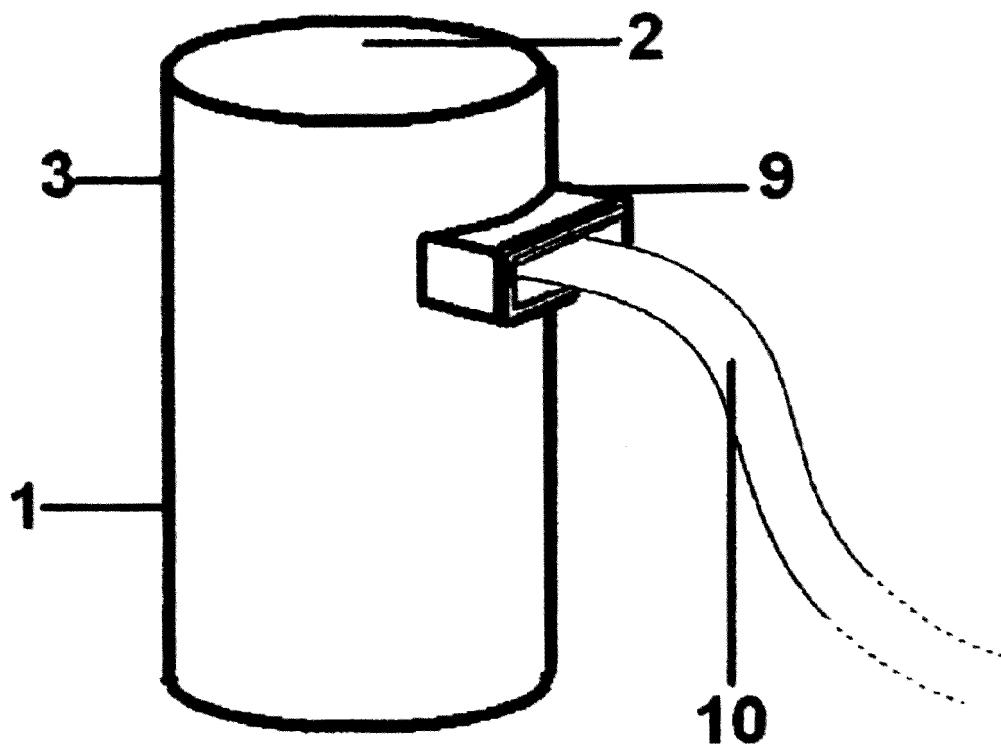


FIG. 2



EUROPEAN SEARCH REPORT

Application Number
EP 13 38 0040

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2004/084163 A1 (CANTWELL MICHAEL [GB]; WOS PRZEMYSŁAW ALEXANDER [PL]) 30 September 2004 (2004-09-30)	1	INV. F21V33/00 F21L14/00
Y	* page 7, line 19 - page 9, line 6 * * page 1; figure 1 *	2,3	ADD. F21Y101/02 F21V27/02 A47G19/22
Y	DE 102 39 008 A1 (KEHLENBECK ARNE [DE]) 11 March 2004 (2004-03-11) * figure 2 * * claim 5 *	2,3	
X	DE 20 2009 004468 U1 (BECKER RONNY [DE]) 10 June 2009 (2009-06-10) * the whole document *	1	
X	DE 20 2007 017717 U1 (GRUENER HELMUT [DE]) 20 March 2008 (2008-03-20) * figure 2 * * paragraph [0015] *	1	
X	DE 102 04 153 A1 (OMLOR VOLKER [DE]) 14 August 2003 (2003-08-14) * figure 1 * * paragraph [0024] - paragraph [0027] *	1	TECHNICAL FIELDS SEARCHED (IPC)
A	DE 20 2009 008058 U1 (SCHOPF WALTER [DE]) 28 October 2010 (2010-10-28) * figures 1,2 * * claim 7 *	2,3	B65D F21Y F21V F21L A47G
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 13 February 2014	Examiner Prévoit, Eric
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 13 38 0040

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82