(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 2 730 323 A2

(12) EUROPEAN PATENT APPLICATION

(43) Date of publication:
14.05.2014 Bulletin 2014/20

(51) Int Cl.:
A63H 33/40 *(2006.01)* ***G09F 9/00*** *(2006.01)*

(21) Application number: **12008326.6**

(22) Date of filing: **13.12.2012**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

(30) Priority: **13.11.2012 EP 12007681**

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(54) Lamp and fan model

(57) The present invention relates to a lamp and fan design to generate the comfort and freshness feeling in a room, wherein the lamp and fan is portable and has a lampshade (70) which is not fixed to the lamp but rather remains mobile based on sustainability principles by favoring the arrangement of said lampshade (70) at a variable height relative to the fan.

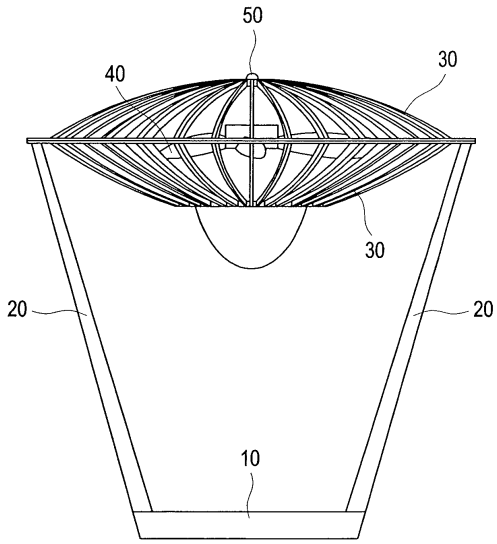

Fig. 1

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Description

TECHNICAL FIELD

[0001] The present invention relates to a lamp and a fan design wherein the lampshade is not fixed to the lamp but rather remains mobile based on sustainability principles as further described below.

BACKGROUND

[0002] The combination of fans and lamps has been known for a long time, for example such ones mounted at a ceiling, which additionally provides a constant/variable air flow, and, further provides efficient lighting which generates a comfortable space to the user in general. Such combinations of lamps and fans are disclosed in the Mexican Industrial Design Registration No. 9534.

[0003] There are also lamp and fan designs such as Patent Application No. MX/a/2007/011000 by the Hunter Fan Company in which a fan and lamp are protected by means which include a housing 20 and a lighting equipment and an air exhaust port coupled to an exhaust duct. The powered fan equipment operates at high and low speed to aerate and to prevent heat buildup within the housing. However the technical problem of solving the heat buildup is based on the use of the fan itself, even though the generated air is not employed for the user only at high speed, the present invention however does achieve to generate a fresh environment. As the combination of fan and lamp is also oriented to the scope of the contemplation because the lampshade of the lamp is kept in motion driven by air the fan generates. That makes it applicable to all kinds of users, for example in baby rooms, for decreasing stress or as a decorative object.

OBJECTS OF THE INVENTION

[0004] The present invention is intended to provide a comfortable and fresh environment.

[0005] Another object of the invention is to provide a light and Ventilation object that refreshes the environment.

[0006] Another object of the invention is to generate a lightweight and portable lamp and fan object. Therefore, its position can be shifted without compromising any of its components.

[0007] Another object of the invention is to provide an economical ventilation and lamp object, which can be easily assembled to make it accessible to any user.

[0008] Still another object of the invention is to provide a lamp and fan object that does neither require special tools for its assembly nor much time to achieve a complete assembly.

[0009] Another object of the invention is that the lamp and fan are of promotional utility.

[0010] Another object of the invention is to provide a promotional item.

BRIEF DESCRIPTION OF THE FIGURES

[0011]

Figure 1 is a front view of the portable lamp-fan.

Figure 2 is a front view of the portable lamp-fan with the lampshade thereon.

Figure 3 is a side view of the portable lamp-fan.

Figure 4 is an exploded view of the portable lamp-fan.

Figure 5 is a front view of the portable lamp-fan lampshade.

Figure 6 is a top view of the portable lamp-fan lampshade.

Figure 7 is a top view of the portable lamp-fan. 15

DETAILED DESCRIPTION OF THE INVENTION

[0012] The present invention consists of a lamp-fan comprising a base, in a preferred embodiment the base has a bottom 10 and two arms 20. In a second embodiment of the present invention, the lamp-fan may vary to a single arm 20 or, vary the shape of the arms 20.

[0013] At the distal end of the arms 20 a fan receptacle 30 is arranged. In a preferred embodiment, the receptacle 30 is fixed on the arms 20 as shown in Figure 1.

[0014] Inside the receptacle 30 a fan is arranged, wherein the purpose of the receptacle 30 is to prevent the user form contacting with the fan blades 40 as shown in Figures 2, 3 and 4.

[0015] When the fan is driven it generates an air stream with the lampshade 70 arranged above, as shown in Figure 2. The lampshade 70 has a capricious shape, which is generally cylindrical. The shape is a key element for the reproducibility of the invention and forms a central axis on the lampshade 70. In a preferred embodiment the central axis is generated by a mass 50, Figure 2.

[0016] When the lampshade 70 is disposed on the fan 40, the airflow generates a current that keeps the lampshade 70 in balance by supporting its equilibrium which keeps the lampshade 70 at the same height and prevents the loss of its specific position where it is kept in view of the central axis of the lampshade 70. Thereby, a supporting effect is achieved in a specific manner because the forces involved are all in equilibrium as shown in Figure 2.

[0017] The lampshade 70 is light enough to be able to raise and dense enough to let air flows, especially around it, generate a current that maintains such balance by flowing through the central axis. The height of the lampshade 70 may be modified to a desired height by modifying the

fan power.

[0018] In a preferred embodiment, the lampshade 70 is a balloon made of latex, however, any material with the aforementioned characteristics may work as well, see Figures 2 and 5.

[0019] It lights the lampshade 70 by the luminaire, therefore, a shadow is generated corresponding to the latex balloon which works as lampshade whereby it is called eclipse lamp.

[0020] These and other embodiments of the invention can be modified at will. That is not be understood in a limiting way but merely as examples of embodiments of the invention that will be limited only in accordance with the following:

Claims

1. Lamp fan comprising a circular base (10) from which two brackets are projected vertically that define two V-arms (20), which in their upper end support a fan receptacle (30) formed by the horizontal coupling of two semi-elliptical grids, which houses one fan with rotating blades (40) inside, wherein the receptacle (30) has a central axis defined by a mass (50) disposed on its upper section, a lampshade (70) arranging on the upper grid, so that once the fan is powered, it generates an air stream that elevates and sustains that lampshade (70).

2. Fan lamp according to claim 1, further is **characterized in that** the lampshade (70) is a latex balloon having an internal axis formed by clamping two faces.

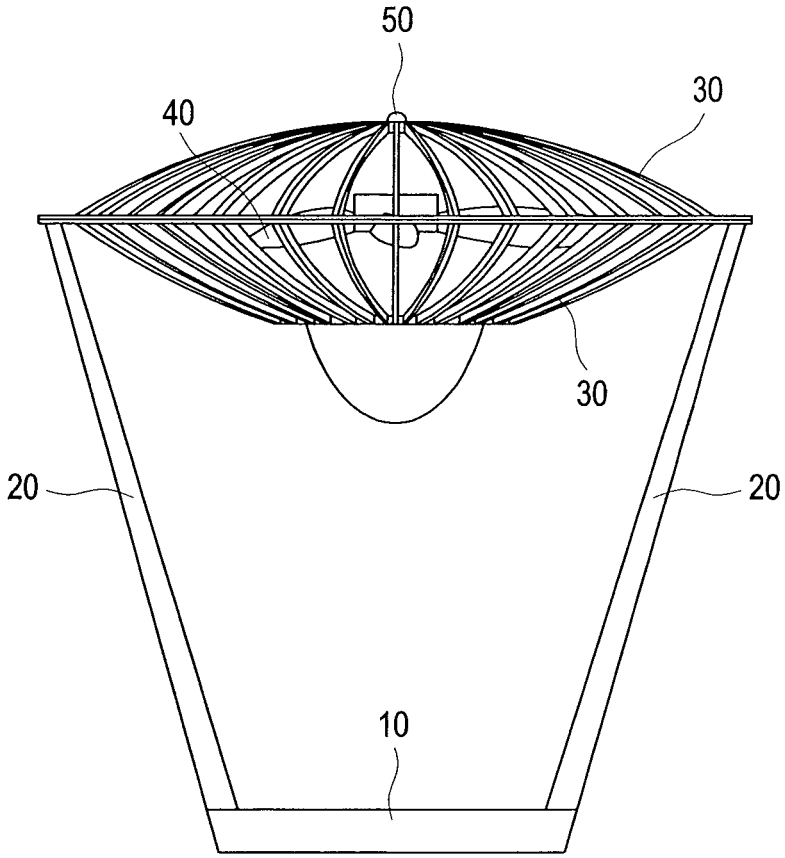

Fig. 1

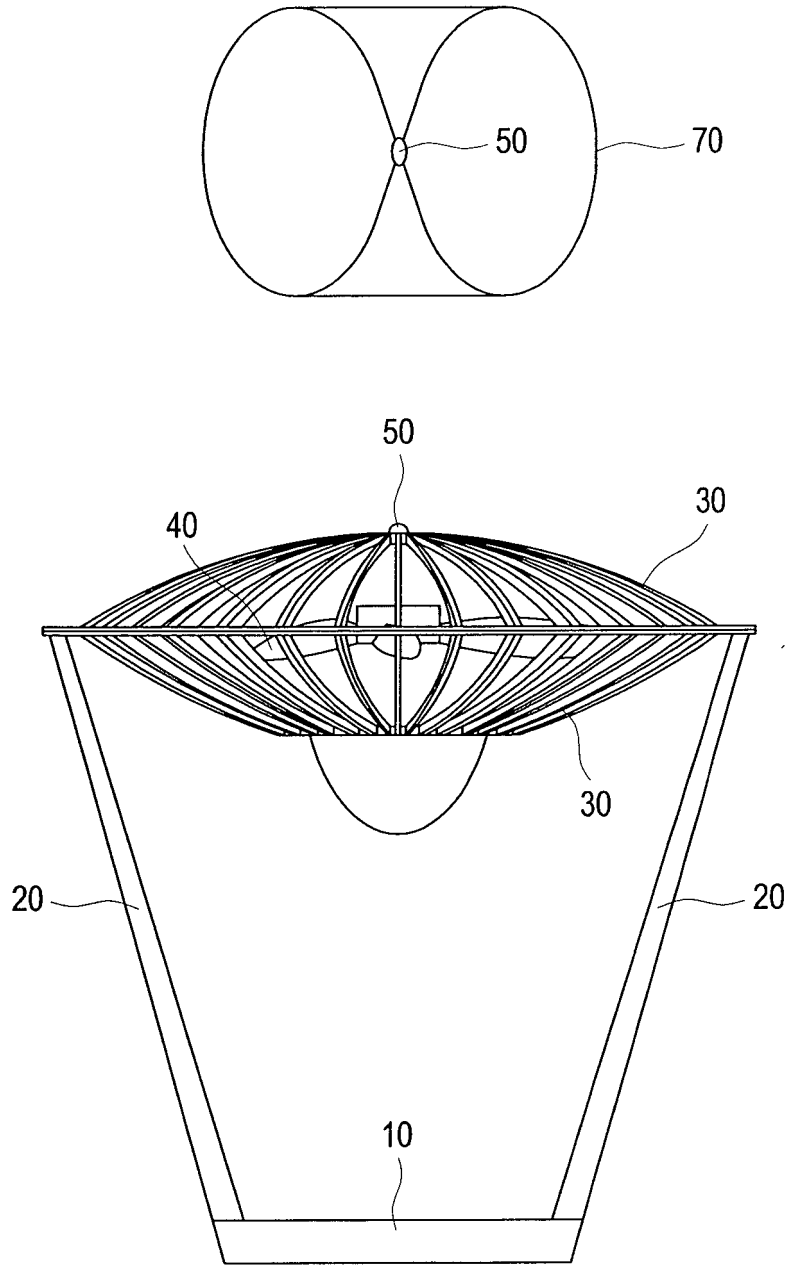

Fig. 2

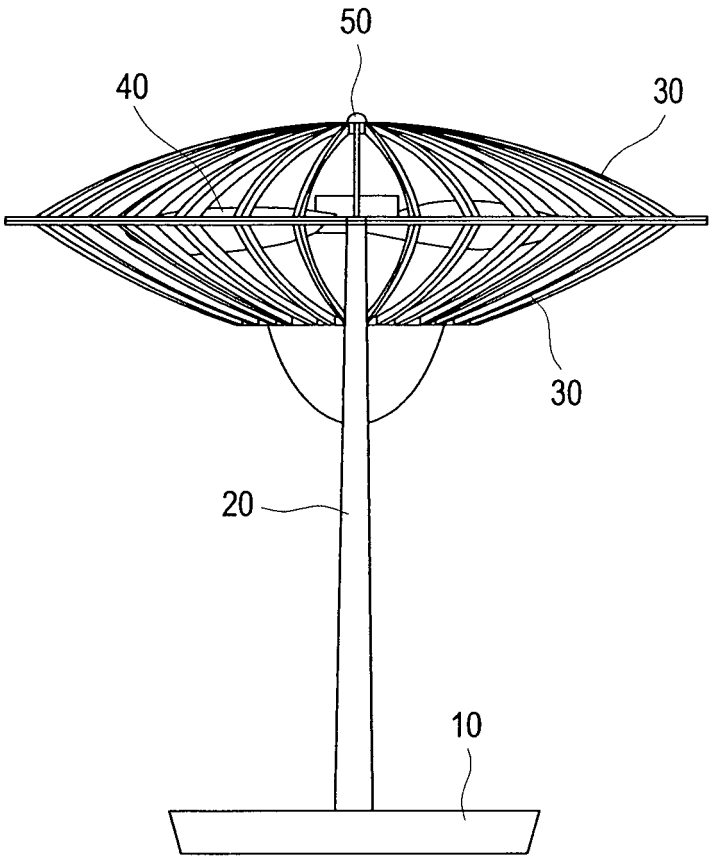

Fig. 3

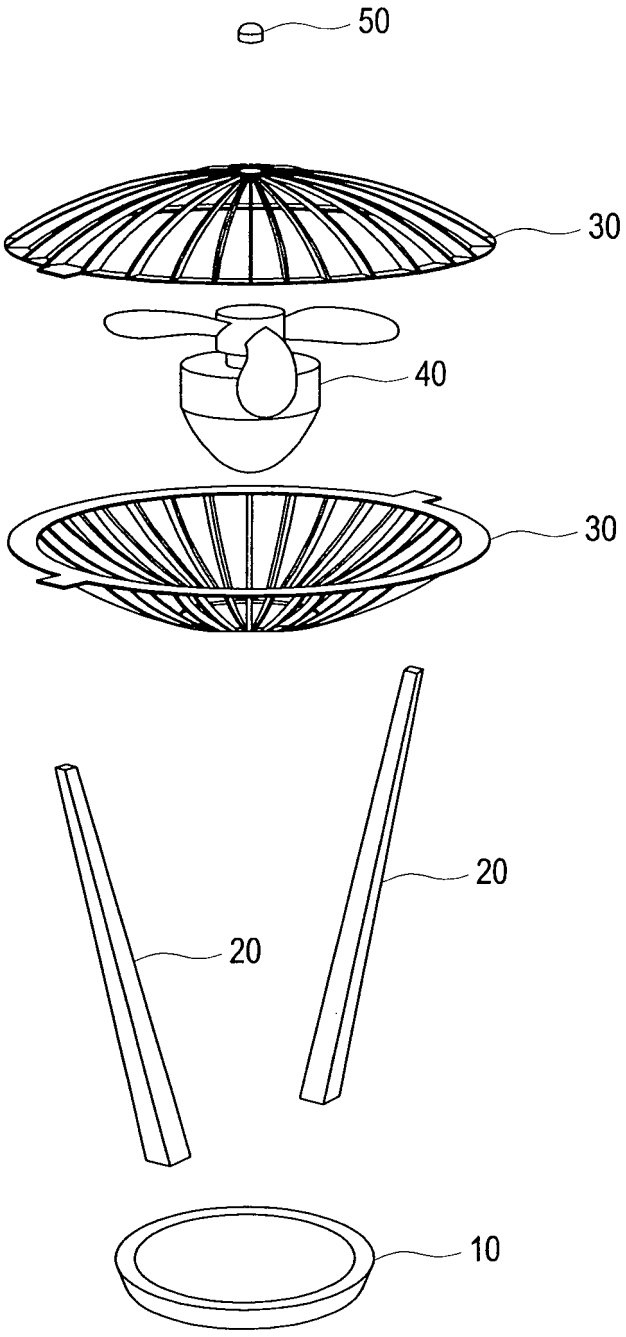

Fig. 4

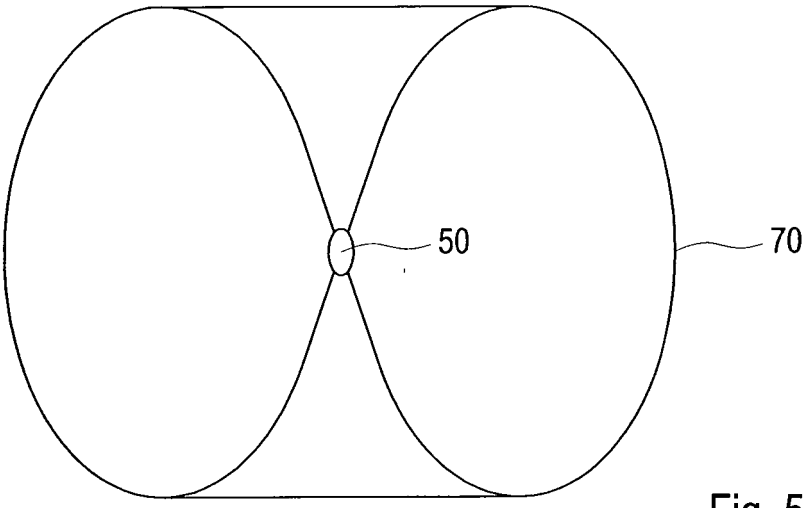

Fig. 5

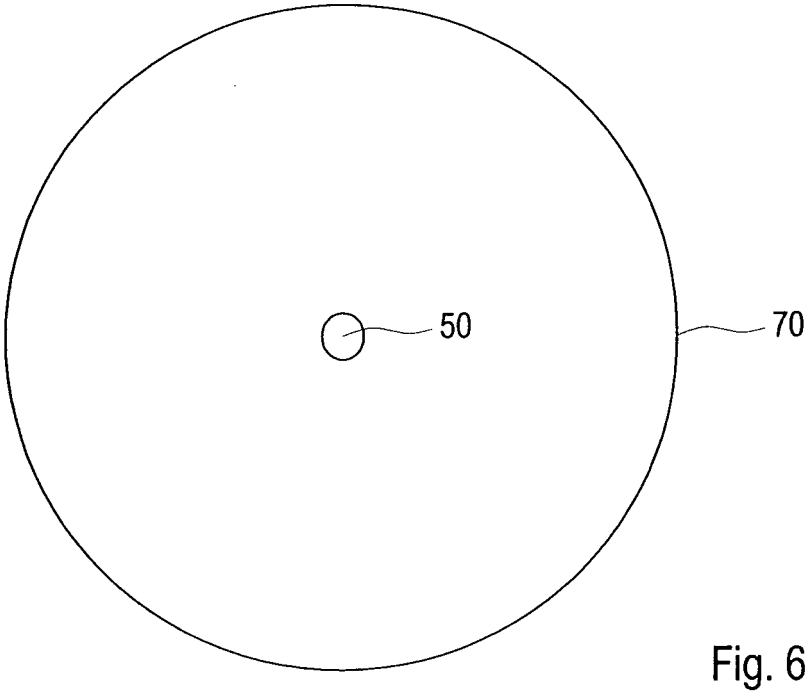

Fig. 6

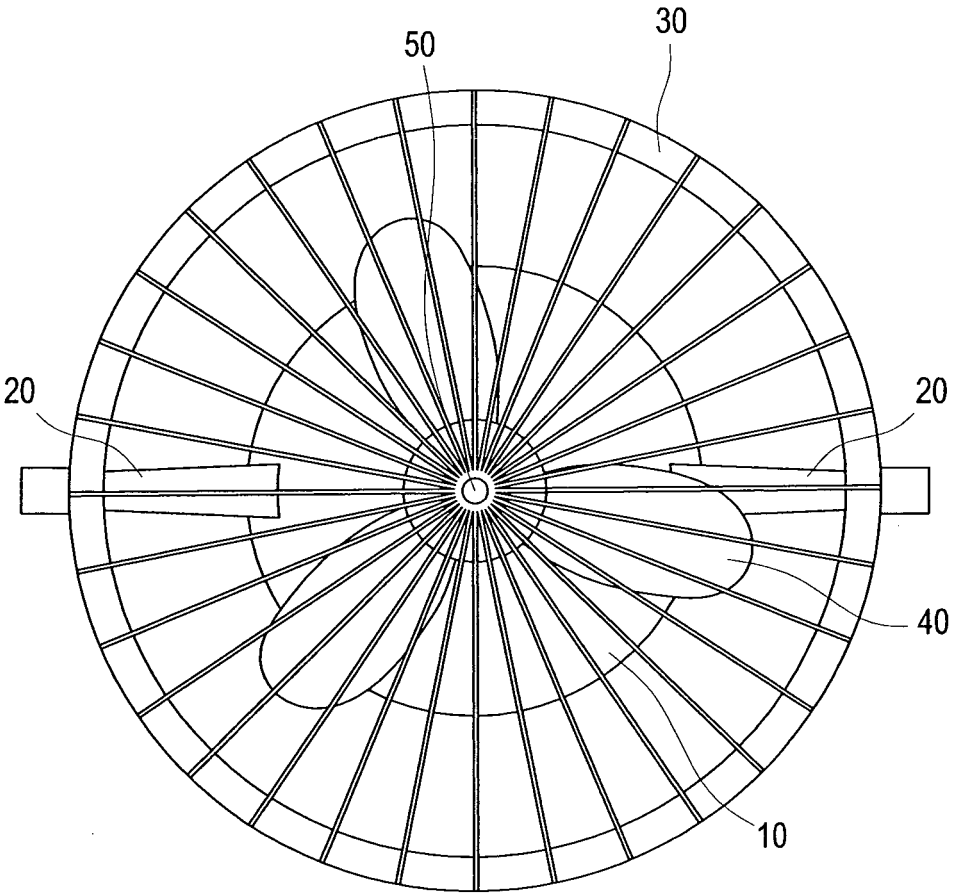

Fig. 7

REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

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