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(54) **Inflatable sex doll**

(57) The invention consists of, based on a conventional inflatable sex doll offering a life-size reproduction of the male or female anatomy with its corresponding genitals, wherein the genitals may or may not be equipped with a vibrator, equipping said inflatable sex doll with heating means of both the doll body and the elements that simulate the genitals, both heating means being independent therebetween and allowing said doll to reach temperatures equal to or similar to those of the human body, thereby achieving a greater and more realistic sensation of pleasure during use of the doll.

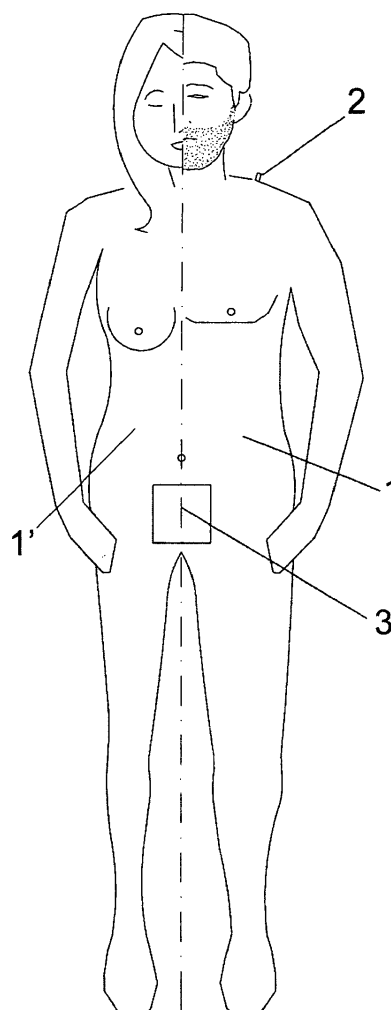


FIG. 1

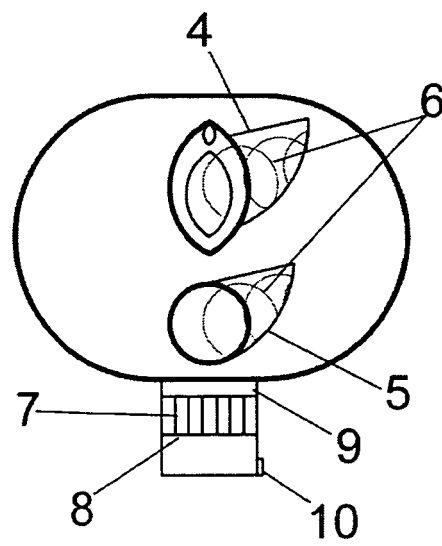


FIG. 2

Description

OBJECT OF THE INVENTION

[0001] The present invention relates to an inflatable sex doll, i.e. a sex toy being indistinctly masculine or feminine, of the type destined for stimulation of sexual pleasure for men and women.

[0002] The object of the invention is to achieve a more pleasurable and real feeling during the use of the doll by warming thereof.

[0003] The invention relates to both the doll, strictly speaking, and the electric inflator that accompanies it.

BACKGROUND OF THE INVENTION

[0004] In the sphere of sex toys, inflatable sex dolls are known to exist from time immemorial, in both their masculine and feminine version, offering a life-sized reproduction of the basic anatomy of the human body, particularly the genitals, said body being obtained using an appropriate material such as plastic for therapeutic use, while the elements that simulate the genitals and due to the use of the doll itself are mainly made of silicone, latex or rubber to confer elastic characteristics thereto.

[0005] The genitals are also known to incorporate vibrating elements in most cases.

[0006] In any case, the doll body has a cavity for inflation thereof using an inflator.

[0007] While the nature of the doll body is usually aimed at achieving a soft and pleasant touch, the use conditions fall short of their optimum level, due to the fact that the doll is at ambient temperature, a temperature normally far below normal body temperature, which would be desirable when establishing physical contact with the doll.

DESCRIPTION OF THE INVENTION

[0008] The sex doll proposed by the invention, based on the basic structure of any conventional doll, resolves the previously expounded problems in a completely satisfactory manner, achieving the aforementioned optimum conditions for physical contact.

[0009] To this end and more specifically, the invention consists of equipping the conventional inflator that accompanies the doll with a heating resistance capable of enabling said inflator to supply hot air to the interior of the doll, at a temperature which can be adjusted at will by the user with the help of a potentiometer that accompanies said electric resistance.

[0010] Complementarily and in accordance with another characteristic of the invention, the genital organ simulator of the doll has been envisaged, in the case of both a penis and a vagina, to also have an electric resistance, in this case aided by a battery and a charger transformer with its corresponding connection for a battery charger which, through a switch and a potentiometer,

feeds an electric resistance which will be flexible and will be disposed between the layers of material that constitute the vagina, in the case of this element, or can be flexible or rigid in the case of a penis, depending on whether the latter is obtained using an elastic and deformable material or a metallic material, in such a manner that, in the case of the latter, the electric resistance can be rigid and housed inside the hollow interior of the metallic part that constitutes the penis.

[0011] The structure described for the component that simulates the vagina is also applicable to the element that simulates the rectum, in the case that the doll includes this anatomic component, due to also having envisaged the possibility of anal penetration.

[0012] Logically, in this last case the resistances corresponding to the vagina and rectum are connected in parallel to a single feed battery, either through a single switch or an independent switch for each element.

DESCRIPTION OF THE DRAWINGS

[0013] In order to complement the description being made and with the object of helping to better understand the characteristics of the invention, in accordance with a preferred example of embodiment thereof, a set of drawings are attached as an integral part of said description wherein the following is represented in an illustrative and non-limiting manner:

Fig. 1 shows a top front view of a schematic representation of an inflatable sex doll embodied in accordance with the object of the present invention, wherein one of its halves corresponds to its masculine version and the other to its feminine version; and

Fig. 2 shows a detailed view, also of a schematic representation, of the part of the doll corresponding to the genital organs, in this case feminine.

PREFERRED EMBODIMENT OF THE INVENTION

[0014] In light of the aforementioned figures, it can be observed how the inflatable sex doll proposed by the invention consists of a hollow body that can represent the life-sized body of a man (1) or woman (1') which, in both cases, incorporates a cannula or valve (2) for inflation thereof with the collaboration of the corresponding inflator, connectable to the mains, having schematically represented in said figure 1 the area (3) corresponding to the genital organs, not differentiated herein, area which appears in the detailed view of figure 2, which will be discussed later, corresponding to the feminine version.

[0015] Therefore, in accordance with the invention, the electric inflator connectable to the cannula (2) for inflating the doll incorporates an electric resistance that converts it into a thermal inflator capable of introducing hot air inside the body (1, 1') at the desired temperature, such as for example a normal body temperature of 37°C even

though, as mentioned earlier, this temperature may vary both upwards and downwards, according to the user's criteria, by actuating the potentiometer that aids the electric resistance of the thermal inflator.

[0016] As mentioned repeatedly, the detailed view of figure 2 corresponds to the feminine version of the doll (1'), wherein a vagina (4) has been schematically represented, consisting of a kind of diverticulum having the appropriate dimensions and being generally elastic in nature, which maintains the watertightness of the hollow interior of the doll body (1'), where a second diverticulum (5) which simulates the rectum appears next to said vagina (4). In this regard and also in accordance with the invention, two electric resistances (6) being flexible in nature are established between the layers of material that constitute the vagina (4) and the rectum (5), fed by a battery (7) having its corresponding charger transformer, aided by a switch (8) which is in turn a potentiometer, in order to vary the voltage supplied to the resistance (6) and, consequently, in order to adjust the working temperature thereof.

[0017] The aforementioned battery will be able to, optionally and in a parallel manner, feed a conventional vibrator (9) when deemed necessary.

[0018] In any case, the device also has a connector (10) for feeding the battery (7) with the collaboration of a charger and at the expense of the mains voltage, mains voltage which, in turn, feeds the thermal inflator coupled to the cannula (2).

[0019] As mentioned earlier and although not represented in the figures, the structure shown in figure 2 which corresponds to the feminine version of the doll can evidently be substituted for an artificial penis for the masculine version, which can indistinctly be elastic and flexible, and also incorporates electric resistances fed by a battery through a potentiometer switch, said battery also being susceptible of feeding, in this case, a conventional vibrator, and being rechargeable via mains electricity with the collaboration of a battery charger.

[0020] Optionally, and depending on the specific needs of each case, the aforementioned genital organs, such as for example those shown in figure 2, can be used or supplied independently to the doll.

2. Inflatable sex doll, according to claim 1, **characterised in that** the heating means of the body, strictly speaking, consist of an electric resistance integrated in the inflator, which supplies hot air to the interior of the doll body through a complementary built-in cannula, at an adjustable temperature with the collaboration of a potentiometer.

3. Inflatable sex doll, according to claim 1, **characterised in that** the means for heating the elements that simulate the genitals consist of an electric resistance, rigid or flexible depending on the nature of said elements, fed by a battery and its corresponding charger transformer, through a switch and a potentiometer for adjusting the temperature, said battery being aided by a connector for a battery charger attachable to the mains.

Claims

1. Inflatable sex doll, of the type offering a life-size reproduction of the male or female anatomy with its corresponding genitals, said body incorporating a cannula for inflating the doll, strictly speaking, with the corresponding inflator, wherein the genital organs may or may not be equipped with a vibrator, **characterised in that** it incorporates means for heating both the doll body and the elements that simulate the genitals, both heating means being interdependent and allowing temperatures equal or similar to those of the human body to be reached.

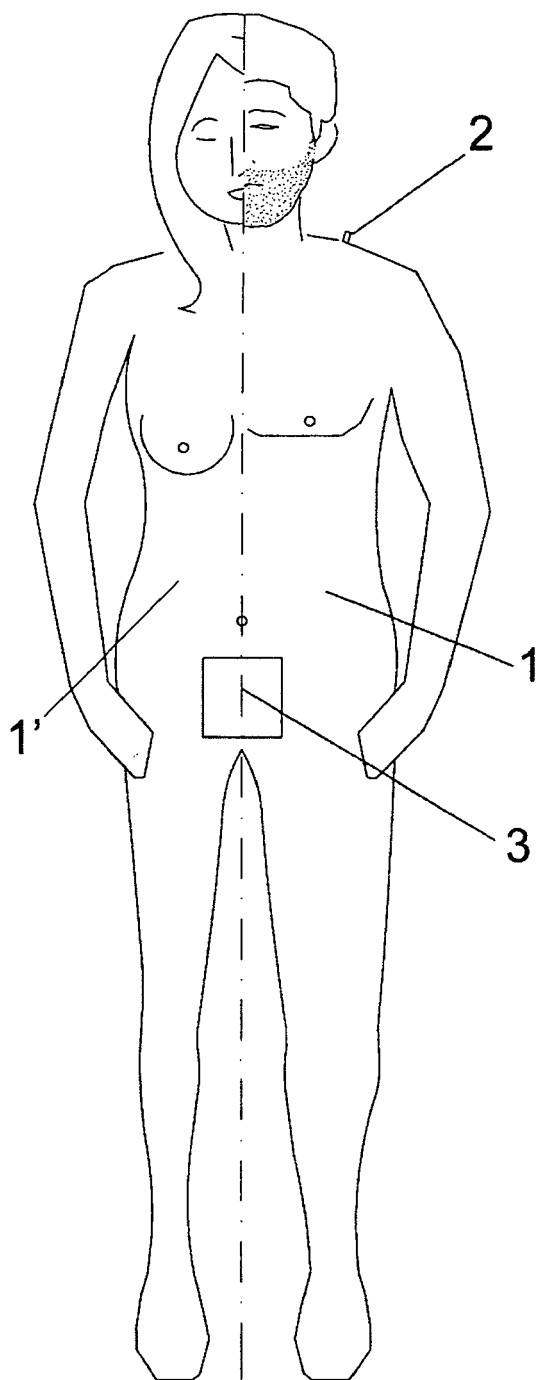


FIG. 1

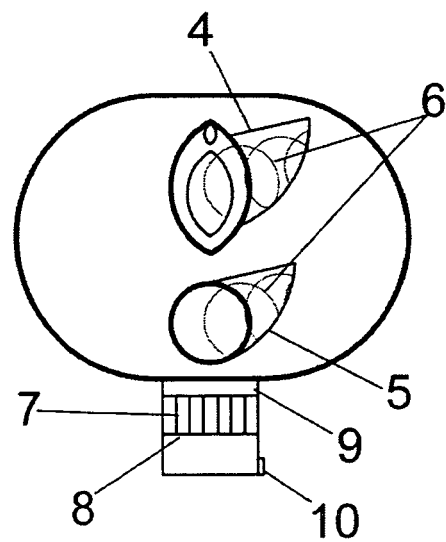


FIG. 2



EUROPEAN SEARCH REPORT

Application Number
EP 11 00 3235

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	KR 2004 0016541 A (JUNG SUNG NAM) 25 February 2004 (2004-02-25) * the whole document *	1-3	INV. A61H19/00
X	DE 10 2008 015512 A1 (KREIS JOACHIM [DE]) 1 October 2009 (2009-10-01) * paragraph [0001]; claims 1,5; figures 1,2 *	1-3	
X	WO 00/59581 A1 (CHOY DOMINIC [AU]; DAVIES STUART [AU]; LIM EDDIE [AU]) 12 October 2000 (2000-10-12) * page 3, lines 3-11 * * page 10, line 25 - page 11, line 5 * * page 11, line 20 - page 12, line 15; figures *	1-3	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61H A63H G09B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 17 June 2011	Examiner Fischer, Elmar
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			

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EPO FORM 1503 03.82 (P04C01)

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

EP 11 00 3235

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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17-06-2011

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