



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
17.09.2014 Bulletin 2014/38

(51) Int Cl.:
A63H 3/14 (2006.01) **A63H 3/20 (2006.01)**
A63H 3/06 (2006.01) **A63H 29/10 (2006.01)**

(21) Application number: **14382084.3**

(22) Date of filing: **10.03.2014**

(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

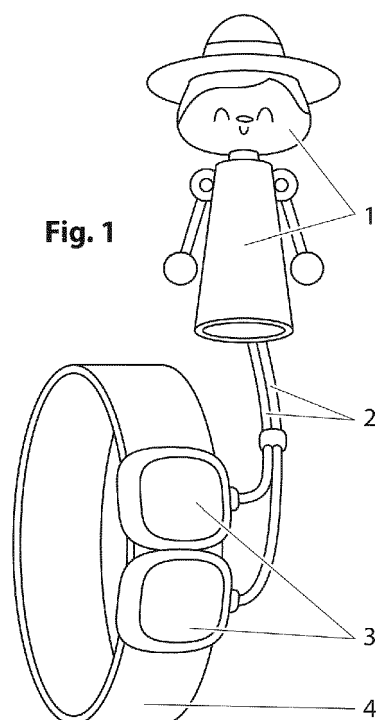
(71) Applicant: **Ghio-Tech Invent SLU**
47009 Valladolid (ES)

(72) Inventor: **Berho Alonso, D. Jesus Maria**
47009 VALLADOLID (ES)

(30) Priority: **12.03.2013 ES 201330298 U**

(54) **Finger puppet**

(57) The invention consists of a puppet for a finger or a thumb. It consists of a body, which represents a fiction character or a non fiction personage or animal. Inside the puppet body there is a cavity, where is fitted an airtight "rubber bulb sistem". This sistem will provide movement and effect of transformation to the puppet, by means of the differences of pressure that are obtained moving the fluids of its interior, as well as to integrate electronic and luminous elements that contribute to create sound and light effects. On having pressed with the fingers the tactile applicators (3), which are part of the system of the tubular conduits (2), it is expelled the fluid that they contain, moving the above mentioned content for the tubular system (2) up to the point inside the body - case (1) where it has been prepared the effect or corresponding movement. The cessation of pressure on the tactile applicators (3) produces the release of the pressure on the fluids and consequently it stops the effect of movements or transformations. Equally by means of the described conduits, the user will be able to cheer up electronically the marionette (light, sound).



Description

OBJECT OF THE INVENTION

[0001] The present invention, as it expresses itself in the title of this descriptive memory, refers to a puppet, of those of handling with only one hand, or so-called "finger puppet". This puppet has been thought and made in order to get a simple and affordable toy, which makes it a great developer for the cognitive and emotional skills of its users; generally children.

[0002] A special construction of the puppet characterizes this invention. It consists of a body, which represents a fiction character or a non fiction personage or animal. Inside the puppet body there is a cavity, where is fitted an airtight "rubber bulb system". This system will provide movement and effect of transformation to the puppet, by means of the differences of pressure that are obtained moving the fluids of its interior.

[0003] Within this, we have got a finger puppet that has a system which provides it with some characteristics of not known hitherto.

PRECEDENTS OF THE INVENTION

[0004] Both the puppets manipulated only by one hand, and the so-called "finger puppets", they are widely well-known and it is believed that they do not need a major clarification.

[0005] None of them known until now, has the system that presents this invention which provides them with movement and effects of transformation.

DESCRIPTION OF THE INVENTION

[0006] The present invention refers to a puppet of the so-called 'finger puppet', that it represents to a figure of fiction or not fiction in miniature. This puppet can be taken comfortably in a pocket, and whose innovation demonstrates the following characteristics:

A - To be made of a semi-rigid or soft material, even textile. It is like a case adapted to a finger of your hand or thumb. This case will present the suitable shapes that could define the personage, character or animal that it represents.

B - As it has got a system of airtight tubular conduits, which have a type of fluid, even air. This fluid or air, being pressed in the indicated point with the object to make the fluids moving inside the system, it generates the movement or transformation that is expected from the element of the puppet.

[0007] The body that represents the different personages, characters or animals can be made of different materials, and it can be of different shapes and sizes.

[0008] The system of tubular airtight conduits, will contain the fluid needed for the variety of skills. It will be able

to have one or several points of application of pressure to give different movements to the body.

[0009] Also it will be able to contain electrical or electronic devices in order to get different light or sound effects.

[0010] The functioning is very easy: Insert preferably your thumb in the body - case (1), which represents the personage, character or animal. On having pressed with the fingers the tactile applicators (3), which are a part of the system of the tubular conduit (2), it is expelled the fluid that they contain, moving the above mentioned content for the tubular system (2) up to the point inside the body - case (1) where it has been prepared the effect or corresponding movement (members' movement, enlargement of nose and / or eyes, antennas, etc ...).

[0011] The cessation of pressure of the tactile applicators (3) produces the release of the pressure on the fluids, and consequently the effect of movements or transformation.

BRIEF DESCRIPTION OF THE DRAWINGS

[0012] To complete the description of the invention, and in order to help to a better comprehension of its characteristics, in accordance with an example of preferable achievement, it is included as an integral part of the description four figures that, in an illustrative but not limiting way, represent the following:

The figure 1 is a front sight that shows an achievement of a unit of finger or thumb puppet as the present invention.

The figure 2 is a rear sight that shows an achievement of a unit of finger or thumb puppet as the present invention.

The figures 2 and 3 are front sights that show an achievement of a unit of finger or thumb puppet as the present invention. In those figures can be appreciated an example of movement proved to apply pressure in the stated points of the tubular system.

[0013] The main references of the figures correspond to:

- 1 - Body - case finger
- 2 - System of tubular conduits
- 3 - Tactile applicators of pressure
- 4 - Fastening thong

PREFERABLE ACHIEVEMENT OF THE INVENTION

[0014] In the drawings that are accompanied to complement the description of the invention, there is described a thong (4), which facilitates the subjection and laying of the tactile applicators (3), in its correct position; and that it will also be able to serve as advertising support. It is a question of a preferable achievement, but it will be able or not to have the above mentioned thong. In the

latter case, the tactile applicators (3) would remain placed about the palm of the hand for effect of the gravity. Likewise the body - case (1) they will be able to adapt oneself to any of the fingers of the hand.

[0015] The system of tubular conduit (2) will be able to be designed to the effect of adding one or more body - cases (1) so that they could be interacted between them. 5

[0016] The invention has been described according to a preferable achievement of the same one, but it admits multiple changes without exceeding the object of the claimed invention. 10

Claims

1. Finger puppet formed to be inserted in your thumb, it is characterized because it is constituted by a body - case (1), formed to be placed in a finger or thumb of your hand, preferably in the thumb; and because it has got a system of airtight tubular conduits, which contain fluid; and because the body - case (1) has mobile and accionable parts; and because the system of tubular conduits (2) is combined by the body - case (1) in the mobile and accionable parts. 15 20 25

30

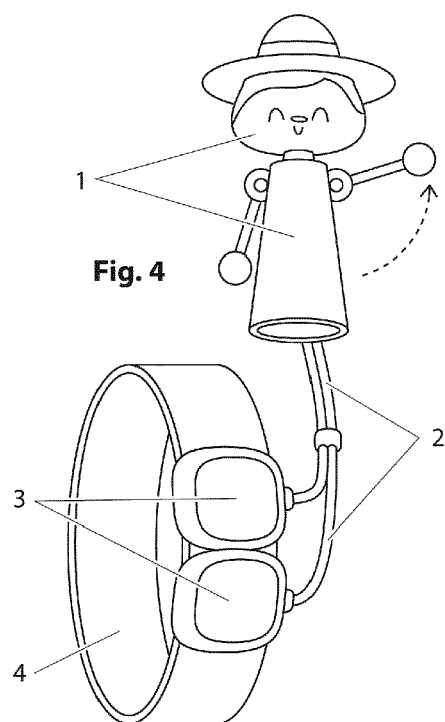
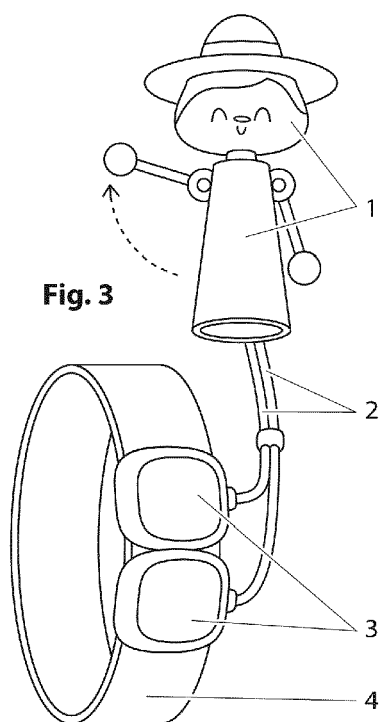
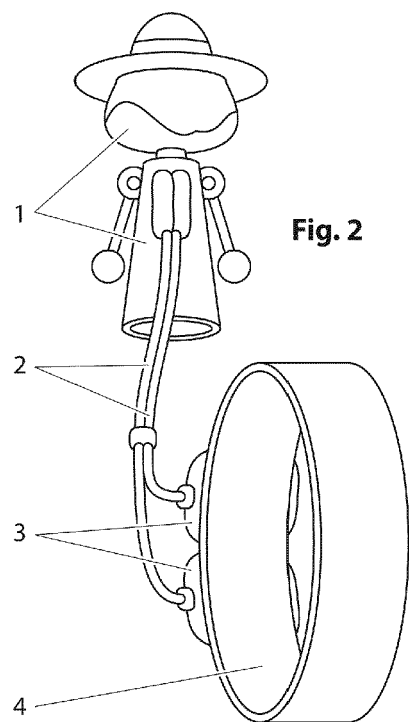
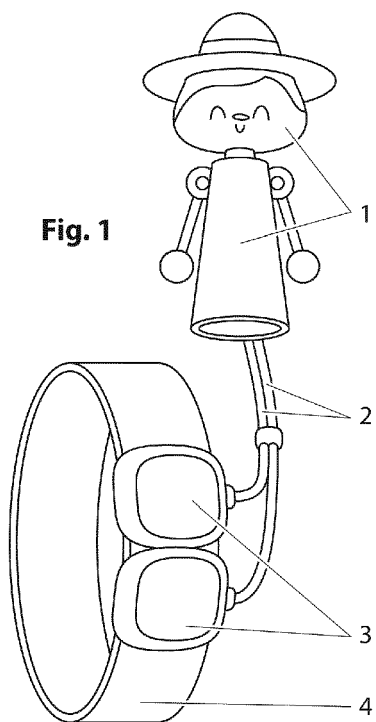
35

40

45

50

55





EUROPEAN SEARCH REPORT

Application Number
EP 14 38 2084

5

10

15

20

25

30

35

40

45

50

55

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	DE 85 31 512 U1 (FIEDLER, M) 20 March 1986 (1986-03-20) * claim 1; figure 1 * -----	1	INV. A63H3/14 A63H3/20 A63H3/06 A63H29/10
X	WO 2012/030219 A1 (GOLAD ADAR [NL]) 8 March 2012 (2012-03-08) * claims 1-11; figure 1 * -----	1	
A	US 4 609 195 A (HAM YONG S [KR]) 2 September 1986 (1986-09-02) * claims 1-4; figures 1,2 * -----	1	
A	US 5 080 626 A (MADDI MICHAEL S [US]) 14 January 1992 (1992-01-14) * claims 1,2; figures 1-7 * -----	1	
A	GB 1 468 424 A (PERFECT LIBERTY) 23 March 1977 (1977-03-23) * claims 1-8; figures 1-4b * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			A63H
Place of search		Date of completion of the search	Examiner
Munich		23 July 2014	Shmonin, Vladimir
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	

1

EPO FORM 1503 03.82 (P04C01)

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

EP 14 38 2084

5

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

23-07-2014

10

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 8531512 U1	20-03-1986	NONE	
WO 2012030219 A1	08-03-2012	EP 2611511 A1 NL 2005307 C US 2013280982 A1 WO 2012030219 A1	10-07-2013 06-03-2012 24-10-2013 08-03-2012
US 4609195 A	02-09-1986	JP S614686 U KR 870000303 Y1 US 4609195 A	11-01-1986 12-02-1987 02-09-1986
US 5080626 A	14-01-1992	NONE	
GB 1468424 A	23-03-1977	NONE	

15

20

25

30

35

40

45

50

55

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82