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(54) Cloth inflatable toys

(57) The present invention relates to a cloth inflatable toy with high safety and convenience of carrying, which comprising a fan (2) and a number of cloth pieces, characterized in that the cloth inflatable toy further comprising a tube bracket which is composed of two or more inter-linked cloth tubes (11-16; 41-45), the air outlet of the fan (2) is connected with the air inlet of the tube bracket, and the sides of the cloth pieces (31, 32; 51-54) used as the walls of the cloth inflatable toy are sewed on the corresponding cloth tubes respectively.

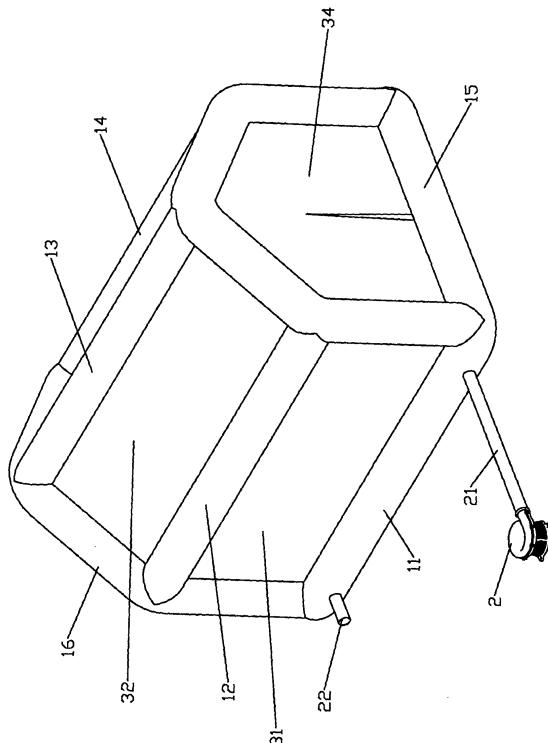


Fig 1

Description

Technical Field

[0001] The present invention relates to toys, and more particularly to cloth inflatable toys.

Background of the Invention

[0002] Most present toys are made of rigid plastic or metal. Their shortcomings are as follows: it is inconvenient to carry them; when they collide with human body, they can easily injure it and therefore they are of low safety.

Description of the Invention

[0003] The purpose of the present invention is to solve the problems of low safety in and inconvenience of carrying the existing toys and provide a cloth inflatable toy which is of high safety and convenient to be carried.

[0004] The technical solution is described as follows:

[0005] The purpose of the present invention can be achieved as follows: a cloth inflatable toy comprising a fan and a number of cloth pieces, characterized in that the cloth inflatable toy further comprising a tube bracket which is composed of two or more interlinked cloth tubes, the air outlet of the fan is connected with the air inlet of the tube bracket, and the sides of the cloth pieces used as the walls of the toy are sewed on the corresponding cloth tubes respectively.

[0006] A cloth inflatable toy, characterized in that an air discharge opening is assembled on the said tube bracket.

[0007] A cloth inflatable toy, characterized in that the air discharge opening of the said tube bracket is far away from the air inlet opening.

[0008] A cloth inflatable toy, characterized in that at least one of the said cloth pieces is used as a curtain.

[0009] A cloth inflatable toy, characterized in that an entrance is opened on at least one of the said cloth pieces.

[0010] The said cloth tubes are sewed with cloth and can allow air to pass through. When the cloth inflatable toy is in use, the fan is switched on and air is being blown into the tube bracket through its air inlet to inflate the tube bracket so as to make it become three-dimensional. The cloth inflatable toy can be entered into when the cloth piece used as curtain is raised. After the cloth inflatable toy is used, the fan is switched off and then the whole toy, as it being made of cloth pieces, can be folded together for convenience of carrying.

[0011] The beneficial effects are as follows:

[0012] As a result of the application of the technical solution described in the present invention, the main part of the cloth inflatable toy except the fan outside the tube bracket is made of cloth. Therefore, people will not be injured by hard objects while playing and the toy is of

high safety. Moreover, since the tube bracket and its connected cloth pieces can be folded into a flake, it is very convenient to carry the toy.

5 Brief Description of the Drawings

[0013] The present invention is further exemplified by reference to the following figures and the embodiments.

10 Fig.1 is a perspective view of one embodiment of the cloth inflatable toy of the present invention.

15 Fig.2 is a perspective view of another embodiment of the cloth inflatable toy of the present invention.

[0014] Referring to Fig. 1 and 2, wherein the label 11 depicts: lower cloth tube; label 12 depicts: upper cloth tube; label 13 depicts: top cloth tube; label 14 depicts:

20 upper cloth tube; label 15 depicts: pentagonal cloth tube; label 2 depicts: fan; label 21 depicts: connecting tube; label 31 or 32 depicts: cloth piece; label 34 depicts: curtain; label 22 depicts: air discharge opening; label 41 depicts: quadrangular cloth tube; label 51 depicts: curtain; label 52 depicts: cloth pieces; label 46 or 47 depicts: cloth tube; label 53 depicts: cloth piece; label 44, 43, 45 or 42 depicts: cloth tube; label 54 depicts: cloth piece.

Detailed Description of the Preferred Embodiment

30 **[0015]** Referring to Fig.1, the embodiment 1 is a cloth inflatable toy house, which can also be used as a field tent for adults or children, comprising a tube bracket formed by two pentagonal cloth tubes 15 and 16, two opposite lower cloth tubes 11 (only one can be seen in

35 Fig.1), two upper cloth tubes 12 and 14, and a top cloth tube 13. The lower cloth tube 11 is connected with the air outlet of the fan 2 through the connecting tube 21, the other end of the lower cloth tube 11 is assembled with an air discharge opening 22. The cloth piece used as the

40 curtain 34 is pentagonal, its two upper bevel edges are sewed on two bevel edges of the pentagonal cloth tube 15 respectively, and there is an opening or cut in the center of the curtain 34. The space surrounded by the upper cloth tube 12, the lower cloth tube 11, one side of

45 the pentagonal cloth tube 15, and one side of the pentagonal cloth tube 16 is covered with the cloth piece 31 and it is sewed on the corresponding cloth tubes. Similarly, the four sides of the cloth piece 32 are sewed on the top cloth tube 13, the upper cloth tube 12, and two

50 bevel edges of the pentagonal cloth tubes 15 and 16 respectively. The spaces surrounded by other corresponding cloth tubes are also covered by cloth pieces and they are sewed together. Therefore, a toy house is formed. Fig.1 shows the inflatable state of the inflatable

55 toy house. When the fan 2 is switched off, the whole toy house can be folded together like clothing.

[0016] Referring to Figure 2, the embodiment 2 is a cloth inflatable toy boat, the upper side of the rectangular

cloth tube 41 is sewed on the cloth piece which is used as the curtain 51, four cloth tubes are assembled on the left side of the cloth inflatable toy boat (unmarked or unseen in Fig.2) which are symmetrical with the four cloth tubes 42, 43, 44 and 45 on the right side. The tube bracket supported by cloth tubes becomes the bracket of the ship and strains the cloth pieces, wherein the cloth tube 47 is used for decoration, and decorative holes are opened on the cloth pieces 53 and 54 respectively. When children raise curtain 51, they can enter into the inflatable toy boat to play. 5

[0017] The inflatable toy of the present invention can also be other shapes and no more embodiments would be described herein.

[0018] It will be appreciated by persons skilled in the art that the present invention is not limited to what has been particularly shown and described herein above. In addition, unless mentioned was made above to the contrary, it should be noted that all of the accompanying drawings are not to scale. A variety of modifications and variations are possible in light of the above teachings without departing from scope and spirit of the invention. 15 20

Claims 25

1. A cloth inflatable toy comprising a fan (2) and a number of cloth pieces, **characterized in that** the cloth inflatable toy further comprising a tube bracket which is composed of two or more interlinked cloth tubes (11-16; 41-45), the air outlet of the fan (2) is connected with the air inlet of the tube bracket, and the sides of the cloth pieces (31, 32; 51-54) used as the walls of the toy are sewed on the corresponding cloth tubes respectively. 30 35
2. A cloth inflatable toy according to claim 1, **characterized in that** an air discharge opening is assembled on the said tube bracket. 40
3. A cloth inflatable toy according to claim 2, **characterized in that** the said air discharge opening of the tube bracket is far away from the air inlet opening.
4. A cloth inflatable toy according to claim 1, **characterized in that** at least one of the said cloth pieces (51) is used as a curtain. 45
5. A cloth inflatable toy according to claim 1, **characterized in that** an entrance is opened on at least one of the said cloth pieces. 50

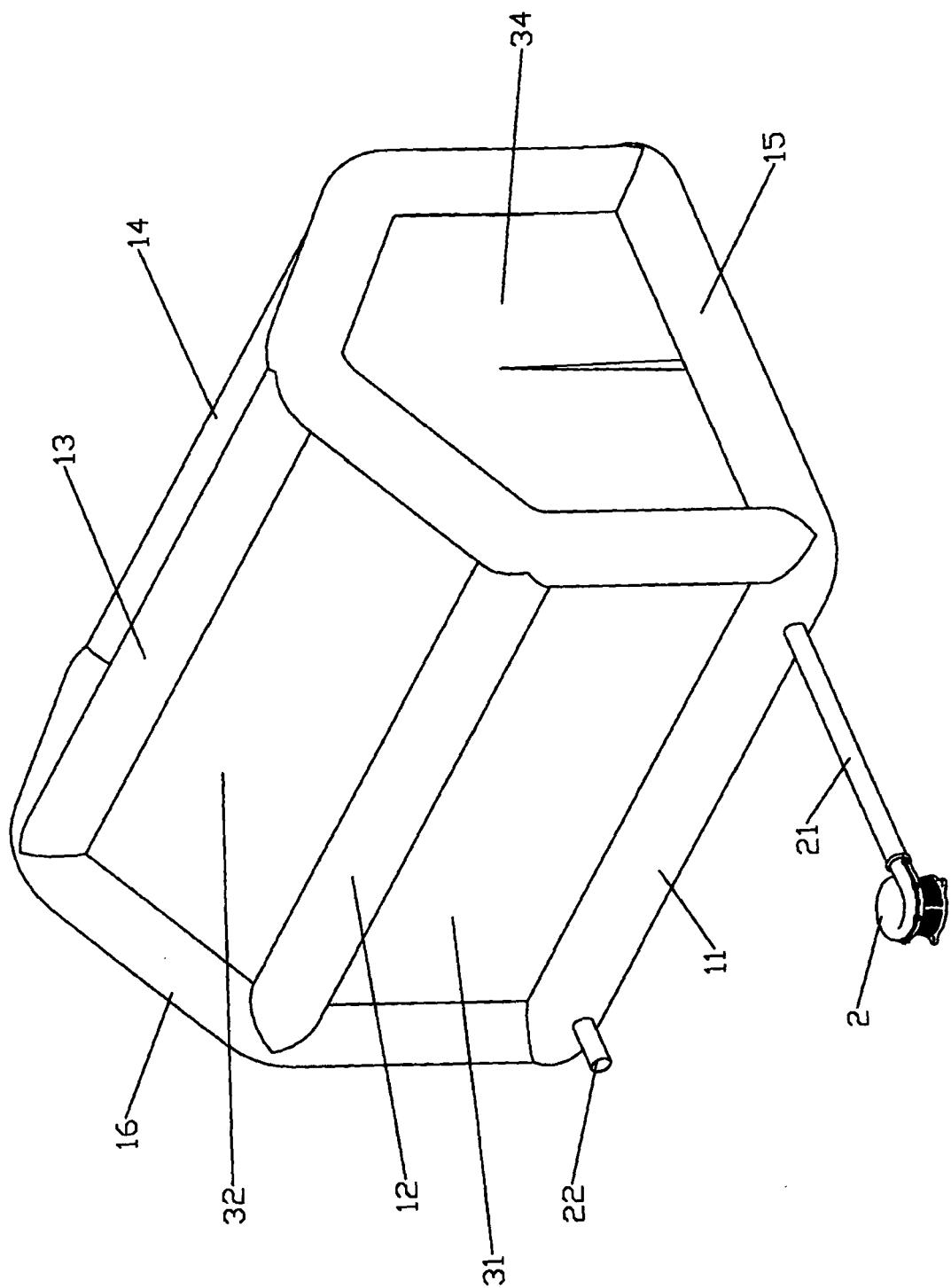


Fig 1

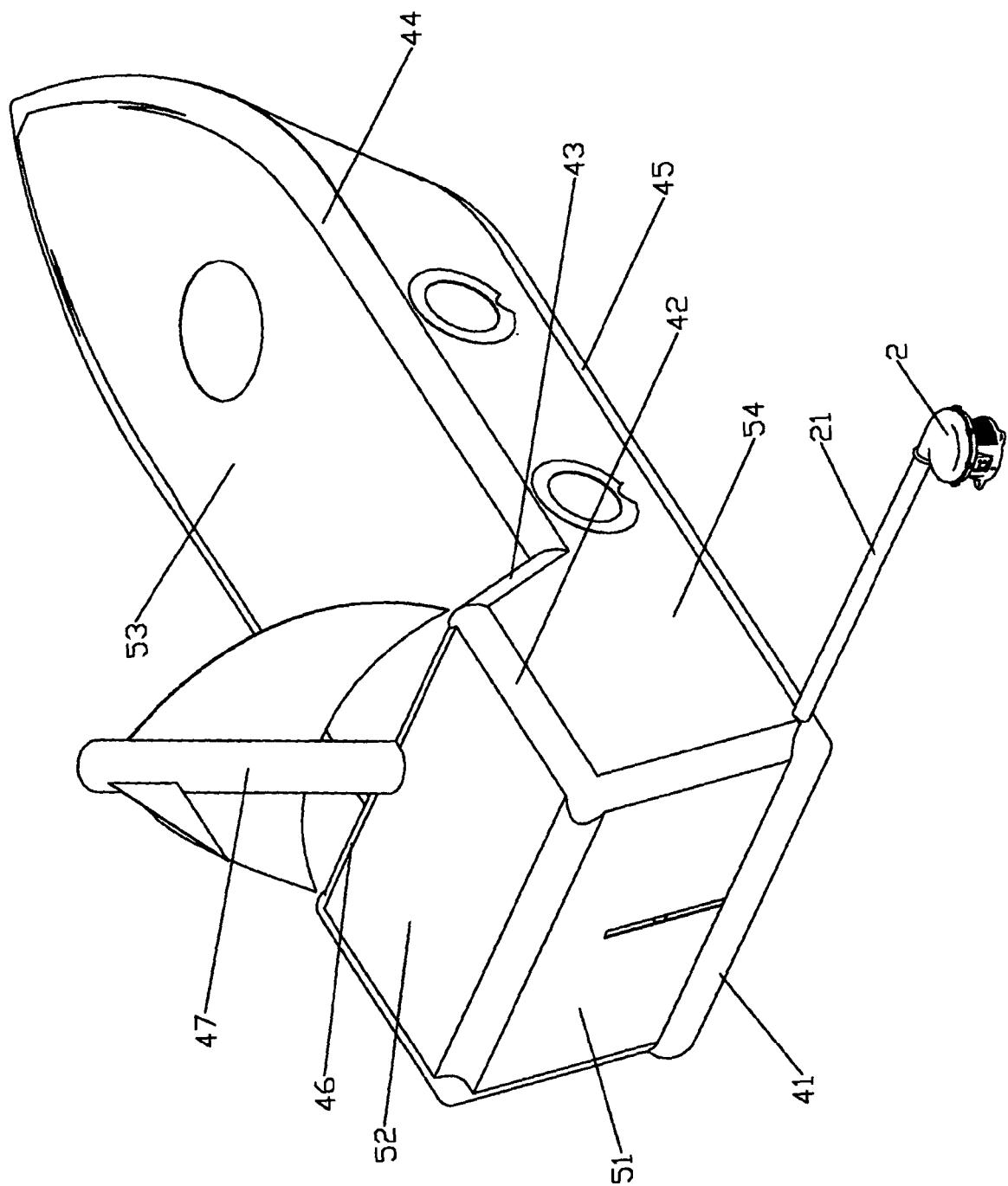


Fig 2



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 6 029 404 A (LEWIS EDWARD F [US]) 29 February 2000 (2000-02-29)	1,4,5	INV. A63H33/00
Y	* column 1, line 5 - line 6 * * column 1, line 67 - column 2, line 5 * * column 3, line 7 - column 4, line 26 * * figures *	2,3	E04H15/00 E04H15/20
X	----- US 2002/162584 A1 (BERMAN STEPHEN [US]) 7 November 2002 (2002-11-07)	1,4,5	
Y	* paragraph [0013] - paragraph [0020] * * figures *	2,3	
Y	----- US 5 570 544 A (HALE GARY A [US] ET AL) 5 November 1996 (1996-11-05) * column 5, line 55 - line 60 * * figures 1-3 *	2,3	
A	----- US 2005/107174 A1 (FIELD ROBERT [US] ET AL) 19 May 2005 (2005-05-19) * the whole document *	1	
A	----- US 4 556 391 A (TARDIVEL GEORGES M [US] ET AL) 3 December 1985 (1985-12-03) * the whole document *	1	TECHNICAL FIELDS SEARCHED (IPC)
	-----		A63H E04H
2 The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		25 March 2008	Turmo, Robert
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 07 35 6170

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.

25-03-2008

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