



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
12.12.2012 Bulletin 2012/50

(51) Int Cl.:
A47D 7/00 (2006.01)

(21) Application number: **12165424.8**

(22) Date of filing: **25.04.2012**

(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

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(30) Priority: **06.06.2011 ES 201130619 U**

(54) **Cot for babies**

(57) Cot for babies, of the type made of a framework (1) formed by two pairs of legs (2) and an upper rectangular frame (5) with rounded corners, each pair of legs (2) being mutually reinforcing by means of a cross-strut (3) that supports the bottom of a fabric basket or sack (7) that is suspended by its perimeter on the upper frame (5), characterised in that, as a means of suspension the

basket or sack (7) includes a type of roll-over edge made by folding the open edge of said sack (7) towards the outside, fixing the sack (7) to the frame (5) by means of a pair of zips (9); the assembly including a bed base (10) constituted by a board or smooth and rigid plate that lies on the bottom of the sack (7) and on the cross-struts (3) of the framework (5), being complemented with a covered mattress (13) supported on the bed base (10).

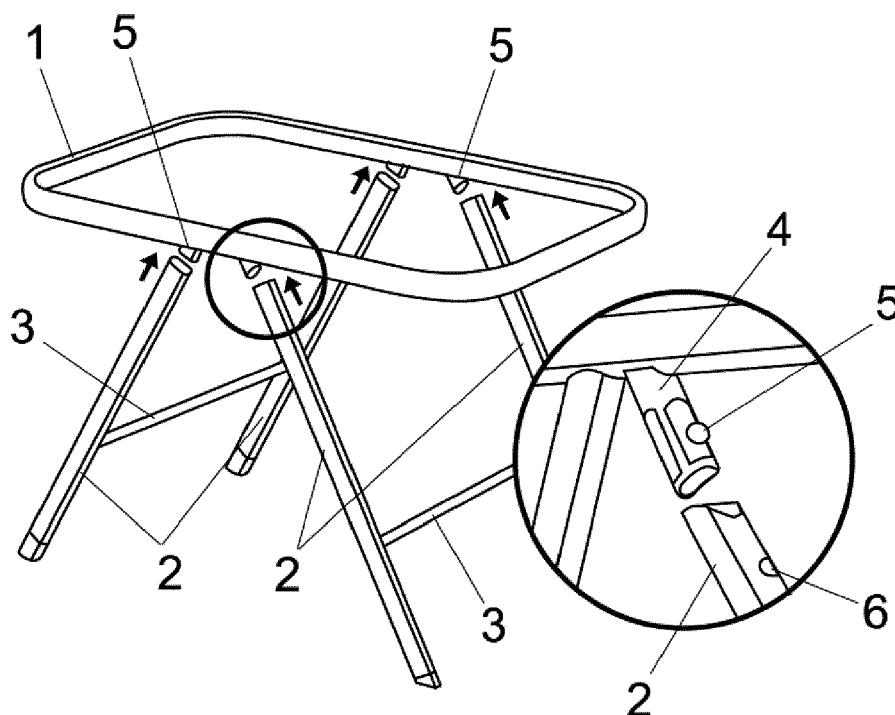


FIG. 1

Description

OBJECT OF THE INVENTION

[0001] The present invention refers to a cot for babies. It has been conceived and made to possess advantages and new features compared to other cots used for the same purpose.

[0002] The object of the invention is to achieve a cot with a simple structure, easy to assemble and disassemble, with the minimum number of components and the optimum stability in use.

BACKGROUND OF THE INVENTION

[0003] Cots for young children or babies must be structured so that they are stable in use. Such stability is achieved by having a structure that is complex and difficult to disassemble, whereas when the cot has a simple structure, it normally lacks stability in use.

[0004] That is, there are no known cots for babies that are both simple and also provide adequate stability, and that enable simple assembly and disassembly.

DESCRIPTION OF THE INVENTION

[0005] The cot of the invention has been conceived to resolve the problems explained above, based on a simple but effective solution.

[0006] More specifically, the cot for babies of the invention is made of a framework comprising an upper rectangular frame with rounded corners and two double legs on each side, which are assembled on the frame by means of plugging the top ends of these legs into orifices arranged for this purpose in the underside face of the frame.

[0007] This framework, which is rigid when assembled, is completed with a fabric rectangular prismatic sack, where the opening is folded towards the outside to define a kind of roll-over edge, and that is closed by two zips to accommodate and fix this sack to the upper frame of the general framework of the cot.

[0008] As any cot, it includes a bed base constituted by a smooth and rigid plate, which is supported on a pair of cross-struts that are fixed between the legs, so that the bed base supports the mattress with its cover.

[0009] The plugging of the legs to the bed base is made by complementary clip elements. The fixing and immobilisation of the plate constituting the bed base is made by pegs that are fitted to the lower face of the bed base, passing through slits, by way of eyelets, in the base of the sack, with clipping being made to the cross-struts, previously referred to and set between the legs.

[0010] The cross-struts link the two legs firmly between them, so that the basic elements of the general framework are the frame and two pairs of legs with their cross-struts, which achieve security with respect to the general structure.

[0011] The support of the plate that constitutes the bed base on the cross-struts provides optimum stability to the cot, higher than any conventional cot, preventing the fabric of the sack from swinging, and consequently, avoiding the danger of the cot tipping over, which could occur if someone were to lean on the cot laterally, due to its low weight.

DESCRIPTION OF THE FIGURES

[0012] In order to complement the description given below and with the aim of providing better understanding of the characteristics of the invention, in accordance with a preferred example of it, this description is accompanied by a set of figures which form an integral part of it, where, for the purpose of illustration and without limitation, the following is represented:

Figure 1. Shows a perspective exploded view of the components that form the general framework of the cot, showing detail of the plugging and clipping of the legs.

Figure 2. Shows a perspective view of the cot framework now including the sack held by the zips on the upper frame of the framework shown in the previous figure.

Figure 3. Shows a perspective view, as in the previous figure, additionally showing a top perspective view of the plate forming the bed base and detail of how the bed base is clipped to the cross-struts of the framework.

Figure 4. Shows a perspective view of the whole assembly shown in the previous figure, with the inclusion of the covered mattress in the exploded view.

PREFERRED EMBODIMENT OF THE INVENTION

[0013] The figures referred to above, specifically figure 1, show the framework for the baby cot of the invention comprising a type of frame (1) with rounded corners and two pairs of legs (2), each pair linked to each other by means of a cross-strut (3), so that these pairs of legs couple to the frame (1) by plugging their tops into short arm (5) emerging only from the frame (1), the legs being fixed by means of a clipping device housing a nipple (5) on the short arm (4) and a hole (6) at the top end of the respective leg (2), as shown in figure 1.

[0014] On the framework so constituted and specifically over the frame (1) is assembled a type of fabric sack (7) of prismatic rectangular shape, the opening of which has a fold-over edge that is fixed to the frame (1) by zips (9), so that the bottom of the sack (7) is supported on the cross-struts (3) of the framework.

[0015] The cot is complemented with the bed base (10), which is made of a rigid plate or board and which

is located on the bottom of the sack (7), and is fixed to prevent it moving by pegs (11) arranged on the lower side of the bed base (10) which pass through respective slits (12) in the form of eyelets made in the bottom of the sack (7), with these pegs (11) clipping onto the cross-struts (3) of the general framework. 5

[0016] Finally, the cot is complemented with the corresponding mattress (13) with its cover, which is supported by the bed base (10) and said mattress is complemented with the appropriate pillow (14). 10

[0017] The assembled cot is rigid, simple, of minimum weight, that is easy to handle, and most importantly, is totally stable by virtue of the general framework configuration and the cross-struts (3) that fix the pairs of legs (2) between them, making it almost impossible for the cot to overturn, even though a person leans laterally on it. 15

[0018] Lastly, the cot can be complemented with self-steering wheels (15), set in the bottoms of the legs (2) also by means of clipping, as can be seen in the detail of figure 4. 20

Claims

1. Cot for babies, of the type made of a framework 25
formed by two pairs of legs and an upper rectangular
frame with rounded corners, each pair of legs being
mutually reinforcing by means of a cross-strut that
supports the bottom of a fabric basket or sack that
is suspended by its perimeter on the upper frame, 30
characterised in that, as a means of suspension
the basket or sack includes a type of roll-over edge
made by folding the open edge of said sack towards
the outside, fixing the sack to the frame by means
of a pair of zips; the assembly including a bed base 35
constituted by a board or smooth and rigid plate that
lies on the bottom of the sack and on the cross-struts
of the framework, being complemented with a covered
mattress supported on the bed base. 40
2. Cot for babies according to claim 1 wherein the lower
face of the plate or board constituting the bed base
is fitted with pegs that pass through slits by way of
eyelets in the bottom of the sack, and the pegs fix
by clipping on the corresponding cross-struts of the 45
framework to stabilise the general structure of the
cot. 50

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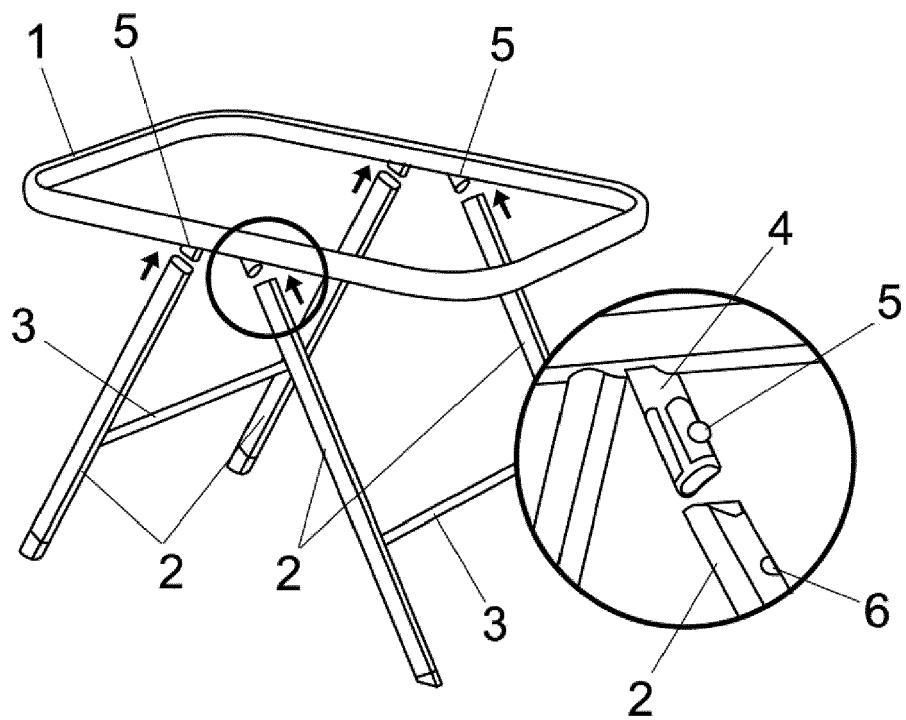


FIG. 1

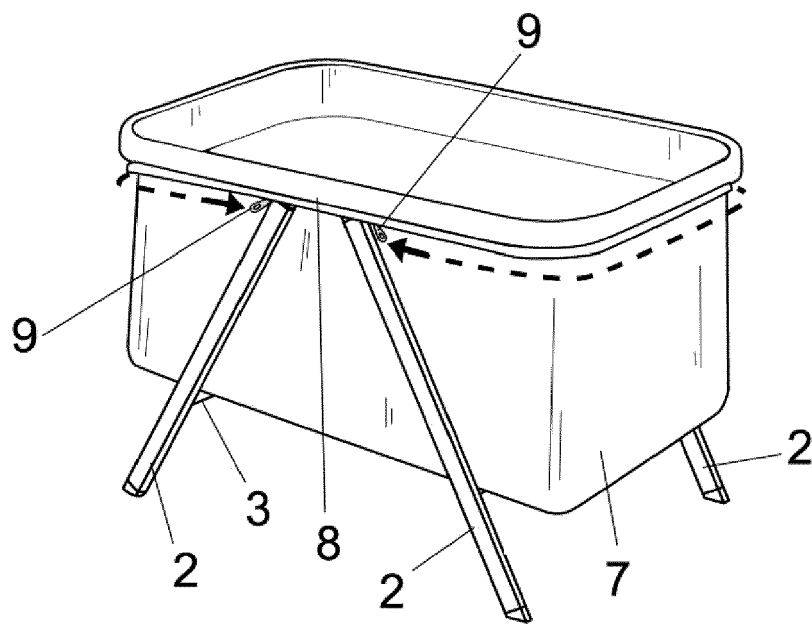
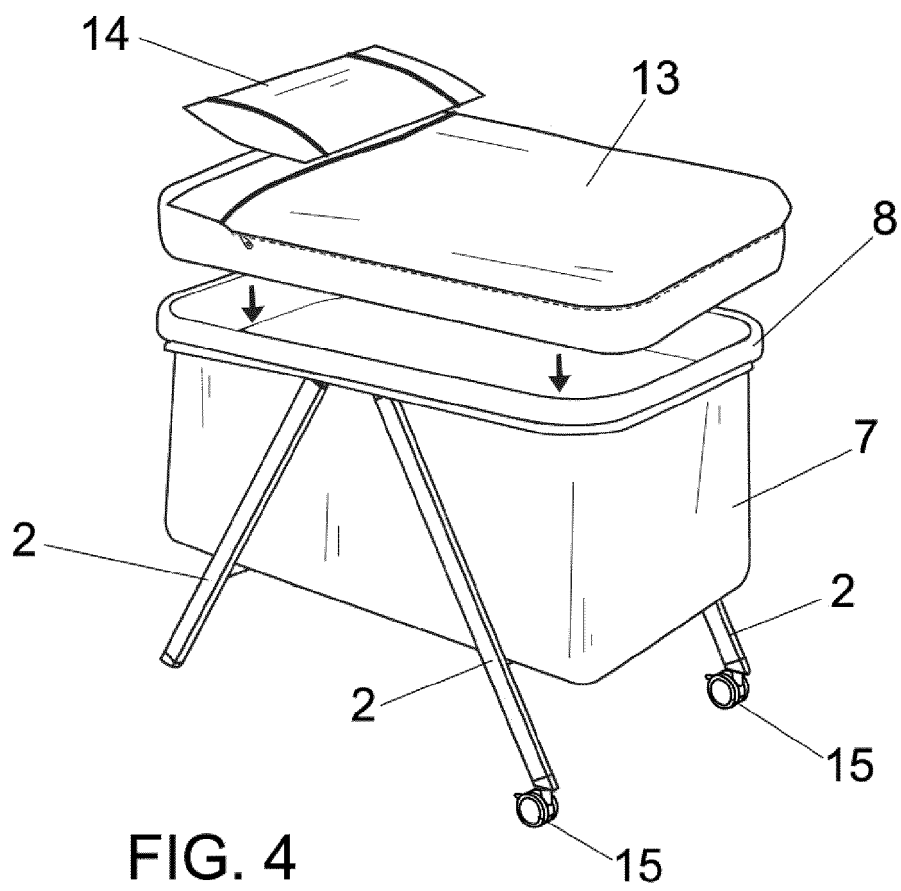
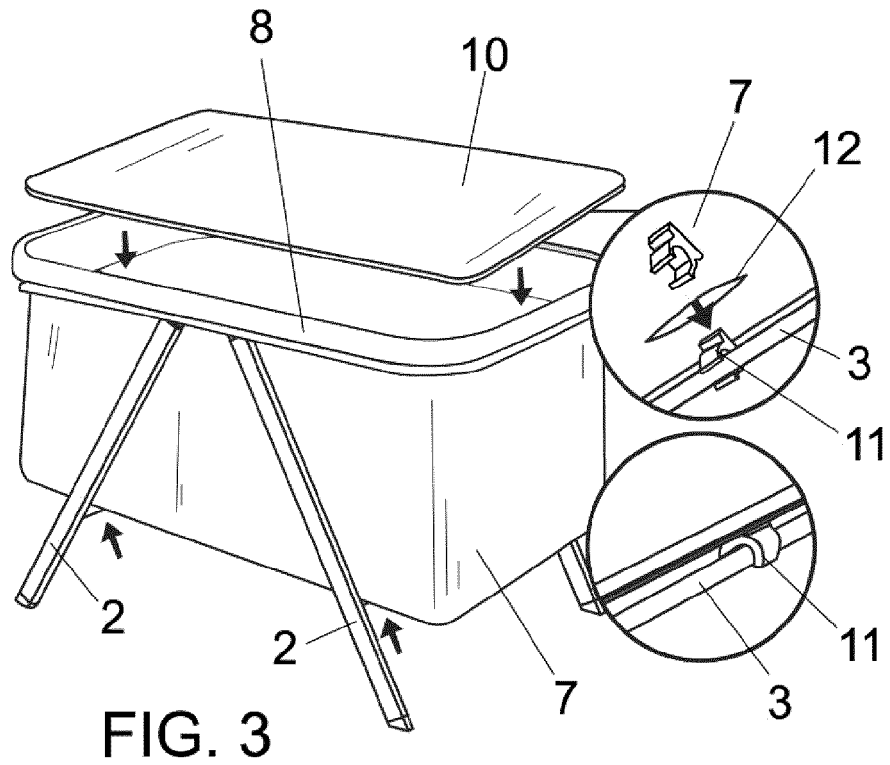


FIG. 2





EUROPEAN SEARCH REPORT

Application Number
EP 12 16 5424

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	FR 1 506 137 A (GEORGES PRORIOL) 15 December 1967 (1967-12-15) * page 2, left-hand column; figures 1-3 * -----	1	INV. A47D7/00
Y	WO 2006/135299 A1 (BABY BJOERN AB [SE]; BERGKVIST HAAKAN [SE]) 21 December 2006 (2006-12-21) * page 2, line 22 - line 24; figures 1,2 * -----	1	
A	US 2003/070230 A1 (HSIA BEN M [US]) 17 April 2003 (2003-04-17) * abstract; figures 5,6 * -----	1,2	
			TECHNICAL FIELDS SEARCHED (IPC)
			A47D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		11 September 2012	Amghar, Norddin
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 12 16 5424

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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11-09-2012

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