

(19)



(11)

EP 3 345 510 A1

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:
11.07.2018 Bulletin 2018/28

(51) Int Cl.:
A47D 9/02 (2006.01) **A47D 1/00** (2006.01)
A47D 13/10 (2006.01) **A47D 1/02** (2006.01)
A47D 15/00 (2006.01)

(21) Application number: **17191169.6**

(22) Date of filing: **14.09.2017**

(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
Designated Validation States:
MA MD

(72) Inventors:
• **SCLARE, Jacob**
Dacula, GA 30019 (US)
• **BURNS, Stephen R**
Cumming, GA 30041 (US)

(74) Representative: **Haseltine Lake LLP**
Redcliff Quay
120 Redcliff Street
Bristol BS1 6HU (GB)

(30) Priority: **15.09.2016 US 201662395158 P**

(71) Applicant: **Kids II, Inc**
Atlanta, GA 30305-1712 (US)

(54) **WOOD GLIDING BASSINET**

(57) A wood gliding bassinet to impart a gliding motion to soothe a child occupant includes a frame and an infant receiving receptacle. In example forms, the frame is wooden and includes four legs for supporting the frame

on a support surface. The infant receiving receptacle is pivotally mounted to the frame such that the infant receiving receptacle is capable of gliding relative to the frame.

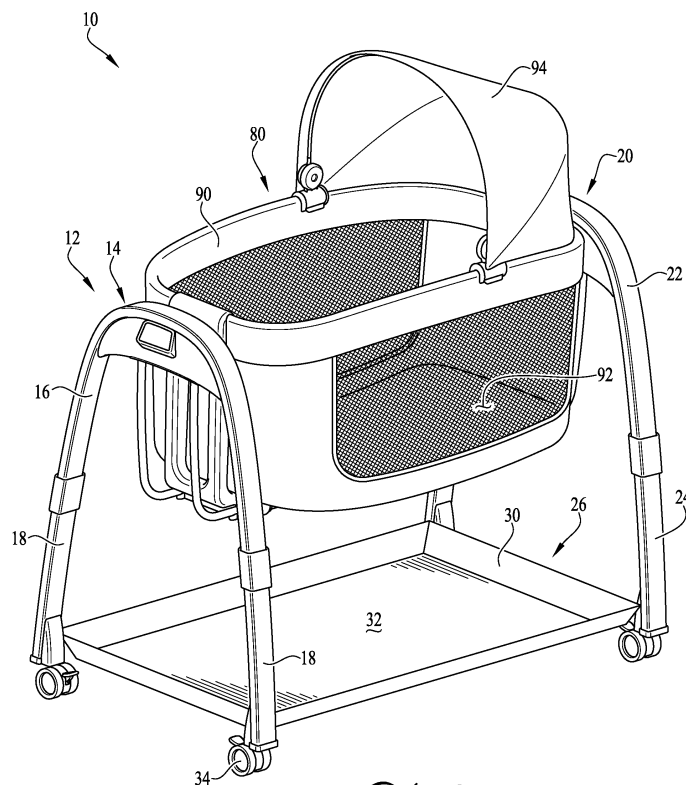


Fig. 1

EP 3 345 510 A1

Description

Cross-Reference to Related Application

[0001] This application claims the benefit of U.S. Provisional Patent Application Serial No. 62/395,158 filed September 15, 2016, is a continuation-in-part of U.S. Non-provisional Patent application Serial No. 14/722,691 filed May 27, 2015, which claims the priority benefit of U.S. Provisional Patent Application Serial No. 62/004,266 filed May 29, 2014, and is a continuation-in-part of U.S. Non-provisional Patent Application Serial No. 15/259,981 filed September 8, 2016, which claims the priority benefit of U.S. Provisional Patent Application Serial No. 62/215,790 filed September 9, 2015, all of which are hereby incorporated herein by reference in their entireties.

Technical Field

[0002] The present invention relates generally to the field of children's accessories and sleeping apparatuses for children and infants, and more particularly to gliding bassinets and other sleep or support accessories having a gliding motion mechanism supported by a frame of wood or other natural organic structural support materials, and to wooden frames or structures for gliding bassinets for infants and children.

Summary

[0003] In example embodiments, the present invention provides a wood framed gliding bassinet having a support structure and gliding motion mechanism providing for allowing a side-to-side or front-to-back gliding movement to an infant receiving receptacle that is pivotally mounted to a wooden frame.

[0004] In one aspect, the present invention relates to a wood gliding bassinet including first and second frame supports, a gliding assembly mounted to each of the frame supports, and an infant receiving receptacle configured for moving in a side-to-side gliding motion relative to the first and second frame supports. In example embodiments, the gliding assembly includes a housing and a pair of glide arms, wherein the glide arms include first ends pivotally mounted to the housing and second ends extending therefrom. In example embodiments, the second ends of the glide arms pivotally mount at each end of the infant receiving receptacle such that the glide arms remain substantially parallel to each other throughout the side-to-side motion.

[0005] In another aspect, the invention relates to a wood gliding bassinet including a wooden frame and an infant receiving receptacle pivotally mounted to the wooden frame for swaying in a gliding motion. In example embodiments, the wooden frame includes first and second inverted U-shaped frame members. In example embodiments, a gliding assembly is mounted to each of the

inverted U-shaped members.

[0006] In still another aspect, the invention relates to a wooden frame for a gliding bassinet including a first inverted U-shaped member spaced a distance away from a second inverted U-shaped member, wherein each of the first and second inverted U-shaped members include a plywood layer sandwiched between wooden veneer layers.

[0007] These and other aspects, features and advantages of the invention will be understood with reference to the drawing figures and detailed description herein, and will be realized by means of the various elements and combinations particularly pointed out in the appended claims. It is to be understood that both the foregoing general description and the following brief description of the drawings and detailed description of example embodiments are explanatory of example embodiments of the invention, and are not restrictive of the invention, as claimed.

Brief Description of the Drawings

[0008]

FIGURE 1 is a perspective view of a wood gliding bassinet according to an example embodiment of the present invention.

FIGURE 2 is a perspective view of the wood gliding bassinet of **Figure 1**, with the soft goods portion removed therefrom for better visibility of the frame and motion components.

FIGURE 3A is a cross-sectional view of the wood gliding bassinet taken along line **3A-3A** of **Figure 2**.

FIGURE 3B is a detailed cross-sectional view of a portion of the frame of the bassinet of **Figure 3A**.

FIGURE 3C is cross-sectional view of a portion of the frame of the bassinet of **Figure 3A** according to another example embodiment of the present invention.

FIGURE 4 shows an end view of the wood gliding bassinet of **Figure 1** with directional arrows indicating gliding in a side-to-side motion.

FIGURE 5A is an end view of the wood gliding bassinet of **Figure 4**, showing the wood gliding bassinet gliding in a first direction.

FIGURE 5B is an end view of the wood gliding bassinet of **Figure 5A**, showing the wood gliding bassinet gliding in a second direction.

FIGURE 6 is a perspective view of a wood gliding bassinet according to another example embodiment

of the present invention.

Detailed Description of Example Embodiments

[0009] The present invention may be understood more readily by reference to the following detailed description of example embodiments taken in connection with the accompanying drawing figures, which form a part of this disclosure. It is to be understood that this invention is not limited to the specific devices, methods, conditions or parameters described and/or shown herein, and that the terminology used herein is for the purpose of describing particular embodiments by way of example only and is not intended to be limiting of the claimed invention. Any and all patents and other publications identified in this specification are incorporated by reference as though fully set forth herein.

[0010] Also, as used in the specification including the appended claims, the singular forms "a," "an," and "the" include the plural, and reference to a particular numerical value includes at least that particular value, unless the context clearly dictates otherwise. Ranges may be expressed herein as from "about" or "approximately" one particular value and/or to "about" or "approximately" another particular value. When such a range is expressed, another embodiment includes from the one particular value and/or to the other particular value. Similarly, when values are expressed as approximations, by use of the antecedent "about," it will be understood that the particular value forms another embodiment.

[0011] Generally described, the present invention relates to a wood gliding bassinet, which may be in various forms to impart a gliding motion to soothe a child occupant. In example embodiments, at least a portion of the bassinet comprises an aesthetically pleasing and vibration absorbing wood frame and is configured to provide a gliding motion to an infant receiving receptacle.

[0012] With reference now to the drawing figures, wherein like reference numbers represent corresponding parts throughout the several views, **Figure 1** shows a wood gliding bassinet 10 according to an example embodiment of the present invention. In example embodiments, the wood gliding bassinet 10 comprises a support structure or frame 12 for supporting an infant receiving receptacle 80 that is configured for gliding in a side-to-side motion for soothing a child or infant therein (see **Figures 4-5B**). In example embodiments, the side-to-side movement of the infant receiving receptacle 80 is provided by input from a caregiver, for example, by pushing or pulling the infant receiving receptacle 80. In alternate example embodiments, the bassinet 10 is configured to be powered by a motor and/or magnetic drive system, for example, which may be connected to a 110V/220V wall outlet or other power source. Optionally, one or more batteries may be provided for powering the motor and/or magnetic drive system.

[0013] In an example embodiment depicted in **Figures 1-3A**, the frame 12 comprises a first frame support 14

and a second frame support 20 spaced apart from the first frame support 14 for supporting the infant receiving receptacle therebetween and permitting the same to allow for a side-to-side, gliding movement. In example embodiments, the first and second frame supports 14, 20 are generally inverted U-shaped members, whereby the lower ends of each support 14, 20 are intended for engagement with a ground surface, or for example, to receive a caster wheel 34 or other wheel or foot component, and the upper end of the supports 14, 20 are generally curved or arcuate and continuous to provide for engagement with the infant receiving receptacle 80. In example embodiments, a shelf or basket 26 can be provided for spanning between the lower ends of the supports 14, 20 to act as a containment area for storing goods, blankets, etc. and for adding additional stability to the frame 12. As depicted, the shelf 26 comprises a generally rectangular tray comprising four angled surfaces 30 and a platform or generally planar base surface 32. In example embodiments, each of the corners of the shelf 26 generally rest atop or provide for engagement with brackets 19 that facilitate the mounting of the caster wheels 34.

[0014] As depicted in **Figures 2-3A**, first and second gliding assemblies 40, 60 mount to the upper end of the supports 14, 20, respectively, such that the infant receiving receptacle 80 can pivotally mount to glide arms extending from the gliding assembly mounts 40, 60. In example embodiments, glide arms 46, 47 extend from the first gliding assembly 40 (generally downwardly and inwardly) and glide arms 66, 67 extend from the second gliding assembly 60 (generally downwardly and inwardly). In example embodiments, the glide arms 46, 47 are generally pivotally mounted within a housing 42 having an opening or channel 44 for permitting movement of the glide arms 46, 47 therealong. In example embodiments, the glide arms 46, 47 are pivotally mounted to spaced-apart pivot couplings or pivots 50 defined within the housing 42. According to example embodiments, one or more fasteners 52 can be provided for securing the gliding assembly mounts 40, 60 to the upper end of their respective support 14, 20. In example embodiments, the second gliding assembly 60 is generally substantially similar in structure and configuration, for example, comprising spaced-apart pivots that are substantially aligned with the pivots 50 of the first gliding assembly 40. According to one example embodiment, one or more female receivers of the support 14, 20, which receive the fasteners 52 comprise a metal insert with metal threads. For example, the insert can be generally cylindrical and fit within recesses of the supports 14, 20, and can be threaded on an internal surface thereof for providing engagement with the fasteners 52. According to one example embodiment, a glue or adhesive can be provided for permanently mounting the sleeves within their respective recesses.

[0015] In example embodiments, the glide arms 46, 47, 66, 67 are generally spaced apart in a similar manner at both of the pivotal engagements as described above. In example embodiments, the equally spaced-apart piv-

ots of the arms impart the infant receiving receptacle to glide in a side-to-side motion along a substantially similar horizontal plane. Thus, the mattress within the infant receiving receptacle (or floor 92 thereof) remains substantially horizontal when moving in a side-to-side motion. In example embodiments, the glide arms, the upper support frame, and end frame members at each end of the structure define four bar linkages having a parallelogram configuration. U.S. Patent Application Publication No. 2015/0342367, Serial No. 14/722,691 is incorporated herein by reference and discloses a cradling bassinet comprising an infant receiving receptacle pivotally connected to a frame by swing arms for providing a side-to-side gliding movement to the infant receiving receptacle.

[0016] In alternate example embodiments, the glide arms can be configured as desired, for example comprising at least some angle or relationship of the extensions of the glide arms relative to each other (e.g., to impart at least some marginal amount of swing), or the infant receiving receptacle can be cantilevered wherein the rocking motion (either in a side-to-side or front-to-back configuration) is provided with a pair of swing arms and a support frame. U.S. Patent Application Publication No. 2017/0065101, Serial No. 15/259,981 is incorporated herein by reference and discloses an infant receiving receptacle having a central connection hub for engagement with a coupling portion of a gliding swing mechanism allowing for removable attachment and adjustability thereto. In example embodiments, the support frame comprises wood or other desirable materials (see below) to impart an aesthetically pleasing and shock absorbing frame for supporting the swing mechanism, infant receiving receptacle and infant to be received therein.

[0017] As depicted in **Figures 2-3A**, the first and second supports 14, 20 comprise upper frame sections 16, 22 and lower frame extensions 18, 24, and wherein the entirety of each support 14, 20 defines an inverted U-shape or arch-like shape. In example embodiments, a sleeve or coupling 17 is provided to couple the lower frame extensions 18, 24 to the upper frame sections 16, 22. According to one example embodiment, the coupling 17 provides a frictional fit sufficient enough to maintain engagement between the ends of the upper portion and the lower frame extension. According to another example embodiment, one or more clasps, clips, Valco buttons or clips, or other engagement or coupling features can be provided for providing a secure and removable fitting engagement between the ends of the upper frame sections and ends of the lower frame extensions 18, 24. According to another example embodiment, the lower frame extensions 18, 24 can be pivotally mounted to the ends of the upper frame sections 16, 22, for example, such that at least some compactness can be provided to the bassinet 10 or frame 12 thereof. Optionally, a bracket or other mechanism or hinge can be configured to provide adjustment of the lower frame extensions 18, 24 to move the same between an extended and supporting position and a compacted and folded position. According to yet an-

other example embodiment, at least one of the lower frame extensions 18, 24 can be translationally mounted to its respective upper frame section 16, 22, for example, to allow the lower frame extensions to translate between an extended or supporting position or configuration and a collapsed or retracted position or configuration.

[0018] As best depicted in **Figure 3A**, brackets 19 are provided for mounting to the ends of the lower frame extensions 18, 24, and an engagement pin or rod of the caster wheel 34 is received within a socket or female reservoir formed by the bracket 19, for example to mount a caster wheel 34 to each end of the lower frame extensions 18, 24. According to example embodiments, at least one of the caster wheels 34 comprises a locking feature or lock 35 for locking the wheel(s) 34 to prevent movement of the bassinet 10 atop the support surface. When unlocked, the bassinet 10 can be easily transported atop a support or floor surface. In some example embodiments, all four of the caster wheels 34 are capable of freely pivoting. In other example embodiments, only two of the caster wheels 34 are capable of freely pivoting, and the other two caster wheels 34 are fixed. Optionally, the caster wheels 34 can be configured as desired. According to another example embodiment, only two caster wheels 34 are provided, and the other end is supported by feet for engagement with the support surface.

[0019] According to one example embodiment and depicted in **Figure 3B**, the upper frame sections 16, 22 and lower frame extensions 18, 24 comprise a solid finished piece of wood, for example which can be sanded, painted and/or stained as desired. According to another example embodiment as depicted in **Figure 3C**, the upper frame sections 16, 22 and lower frame extensions 18, 24 can be formed from molding a plurality of materials together, for example, wherein the core material 18a comprises plywood and the outer exposed layers 18b comprise a wooden veneer. In alternate example embodiments, the core material 18a comprises high density foam, fiberboard, or other filling material exhibiting structural characteristics appropriate for the frame 12 of the bassinet 10. In example embodiments, any of the upper frame sections 16, 22 and lower frame extensions 18, 24 can be formed by sandwiching the core material 18a between layers 18b comprising a wooden veneer, for example in a mold or other press and/or heat application to provide a desired size and shape. Further processing of the molded section or extension can be provided as desired, for example, trimming or cutting, sanding, finishing with paint, stain or other clear coating or other outer layer, etc. In example embodiments, the wood frame components are fabricated from one or more natural organic wood materials such as for example, birch, oak, maple, pine, ash, walnut, cherry, hickory, cedar, cypress, basswood, locust, sycamore, bamboo or other natural woods. In alternate embodiments, the wood frame components comprise at least about 80% wood and/or other natural organic plant-based materials having structural support, resilience, toughness and vibration absorbing character-

istics substantially similar or at least equivalent to those of natural wood, such as for example plywoods, laminates, wood-based composites, fiberboard, particleboard, flakeboard, etc. The wood frame components preferably also have outer surfaces or surface layers comprising natural wood or presenting the appearance of natural wood, for example incorporating a visible woodgrain pattern and/or fibrous texture. The wood frame components can be fabricated as continuously formed unitary curved members, for example by steam bending, mold formed laminate or formed plywood, pressure forming, or other fabrication methods, or can be fabricated by joining two or more pieces.

[0020] In example embodiments and as best depicted in **Figure 1**, the infant receiving receptacle 80 comprises a soft goods liner 90 that is removably coupled to frame portions of the bassinet 80, for example, upper frame members 86, and is supported by lower support frame members 84 (see **Figure 2**). In example embodiments and as best shown in **Figure 2**, a first and a second end frame member 82 couple with the upper frame members 86 and the lower support frame members 84. In example embodiments, the first and second end frame members 82 are generally L-shaped for example wherein a base portion is provided for connecting to the ends of the lower support frame members 84 and for the pivotal connection of the glide arms 46, 47, 66, 67, and an upper portion of the end frame members 82 are configured for engagement with the ends of the upper frame members 86. In example embodiments, the glide arms 46, 47, 66, 67 pivotally mount to their respective gliding assembly 40, 60 in a spaced-apart and parallel configuration, and the lower inward extensions of the arms 46, 47, 66, 67 pivotally engage with their respective base portion of the first and second end frame members 82. Accordingly, each glide arm pivotally mounts to its respective gliding assembly 40, 60 at one end and pivotally mounts to its respective base portion of the first and second end frame members 82.

[0021] For example, according to one example embodiment of the present invention, the infant receiving receptacle can be configured for pivotal engagement with the glide arms such that the side-to-side gliding movement of the infant receiving receptacle is converted to a front-to-back gliding motion by rotating the infant receiving receptacle about 90 degrees such that first and second side frame members (e.g., similar to first and second end frame members 82 - not shown), which are attached to the sides of the infant receiving receptacle, pivotally couple with the glide arms in a similar spaced-apart configuration as depicted in **Figure 3A**. According to another example embodiment, central the ends of the glide members can pivotally couple to a coupling portion for providing removable and adjustable engagement with a central connection hub of the infant receiving receptacle. U.S. Patent Application Publication No. 2017/0065101, Serial No. 15/259,981 is incorporated herein by reference and discloses an infant receiving receptacle having a central

connection hub for engagement with a coupling portion of a gliding swing mechanism.

[0022] According to one example embodiment, the glide arms 46, 47, 66, 67 are generally spaced apart in a similar manner at both the pivotal connection at the gliding assemblies 40, 60 and at the base portions of the first and second end frame members 82, thereby imparting the infant receiving receptacle 80 to glide in a side-to-side motion along a substantially similar horizontal plane. In this manner, the glide arms, upper support frame, and end frame members at each end of the structure define four bar linkages having a parallelogram configuration. Thus, the mattress (or floor 92 thereof) within the infant receiving receptacle remains substantially horizontal when moving in a side-to-side motion, with minimal or no tilting of the child supporting surface.

[0023] In example forms, the soft goods liner 90 is generally formed from a fabric or other textile-like material (with or without padding), which may comprise one or more portions formed from a mesh lining, for example, to provide for allowing an infant or child therein to see through one or more walls of the liner. Optionally, the liner may be flexible (but not soft) like plastic or rubber with a living hinge or comprised of multiple panels. Optionally, the infant receiving receptacle may be formed from a rigid, bucket-style receiving receptacle. The floor 92 of the infant receiving receptacle preferably comprises a mattress formed from one or more panels that are foldable relative to each other to allow the mattress to become compacted for storage. In example embodiments, a canopy 94 can be provided for covering at least a portion of the infant receiving receptacle 80. In example embodiments, the canopy 94 comprises one or more engagement features for engagement with the upper frame members 86 and a canopy mount 88. In example embodiments, the canopy mount 88 comprises a generally rigid arm that is pivotally mounted to adjustment brackets provided on the upper frame members. In example embodiments, the soft goods liner 90 and/or canopy 94 can be removable and washed as desired, for example by hand manually or in a washing machine. In example embodiments, the fabric or other coverings or cases covering one or more portions of the infant receiving receptacle can be removed therefrom and washed as desired.

[0024] As depicted in **Figures 4-5B**, the infant receiving receptacle 80 is capable of gliding in a side-to-side motion for soothing a child or infant therein. In example embodiments, the side-to-side movement of the infant receiving receptacle 80 is provided by input from a caregiver, for example, by pushing or pulling the infant receiving receptacle 80. According to example embodiments, the infant receiving receptacle 80 of **Figures 5A-B** can be configured such that its maximum amount of travel in a first direction is when an angle α is defined between the upright portion of the end frame member 82 and the glide arms 47, 66 (see **Figure 5A**). In example embodiments, the angle α is generally between about 5 - 25 degrees, for example about 15 degrees according

to one example embodiment. Similarly, the maximum amount of travel in a second direction is when an angle α is defined between the upright portion of the end frame member 82 and the glide arms 46, 67. According to example embodiments of the present invention, the infant receiving receptacle can glide such that the glide arms pivot between about 10 - 50 degrees between its maximum allowable travel in the first and second directions. According to one example embodiment where α is 15 degrees, the total degrees of pivot of the glide arms between maximum extension in the first and second directions (e.g., see **Figures 5A-B**) is about 30 degrees.

[0025] According to one example embodiment, a time-out feature can be incorporated into the bassinet 10, for example, wherein after a given amount of time passes, the infant receiving receptacle 80 is locked to maintain its centered position (see **Figure 4**) and is prevented from gliding in either of the first or second directions. Accordingly, a built-in timer and actuating rod or other lock movable to allow and prevent pivotal movement of the glide arms can be incorporated with the gliding assemblies 40, 60, or can be otherwise incorporated with the bassinet 10 such that an excessive amount of inactivity to the gliding of the receptacle 80 triggers a lock to prevent rotation of one or more of the glide arms. According to example embodiments, the time of inactivity to trigger the lock can be chosen as desired, for example, about 3 - 8 minutes according to one example embodiment. Optionally, the amount of inactive time required to trigger the lock can be chosen as desired. According to another example embodiment, a secondary lock can be provided with the bassinet 10 such that movement is prevented when a parent is not present. According to one example embodiment, a delay of inactivity of 15 seconds or more causes the secondary lock to be triggered, for example, such that the receptacle 80 maintains its centered position and is prevented from gliding. Thus, the secondary lock prevents movement of the receptacle 80 without a parent being present. For example, according to one example embodiment, a trigger or other actuating portion or button can be provided for unlocking one or both of the locking features.

[0026] In example embodiments, the wood gliding bassinet 10 is preferably easy to assemble and can be broken down such that packaging can be compacted and efficient. According to example embodiments, the receptacle 80 can be substantially disassembled and in a similar manner with the frame 12, for example, wherein the entirety thereof can be packaged within a small cube-like package. In example embodiments, a consumer can unpack the box and assemble the entirety thereof. According to some example embodiments of the present invention, the bassinet 10 can comprise one or more additional features, for example a speaker for playing music or nature sounds, a night light, vibration unit, or other child soothing or entertainment devices.

[0027] **Figure 6** shows a wood gliding bassinet 100 according to another example embodiment of the present

invention. In example embodiments, the bassinet 100 is substantially similar to the bassinet 10 as shown and described above. According to one example embodiment, the frame comprises a first frame support 114 and a second frame support 120. In example embodiments, the first and second frame supports 114, 120 are solid inverted U-shaped members 116, 122, and a pair of support connectors 118 extend between the respective sides of the frame supports 114, 120. According to example embodiments, a basket frame or support 126 comprises tubes 128 and 130, and a coupling 132 positioned on an inner surface of each side of each support. In example embodiments, tubes 128, 130 can be configured for supporting a basket or tray or other shelf-like structure.

[0028] While the invention has been described with reference to example embodiments, it will be understood by those skilled in the art that a variety of modifications, additions and deletions are within the scope of the invention, as defined by the following claims.

[0029] For the avoidance of doubt, the present application extends to the subject-matter described in the following numbered clauses:

1. A wood gliding bassinet comprising:

first and second frame wood supports;

a gliding assembly mounted to each of the frame supports, the gliding assembly comprising a housing and a pair of glide arms, the glide arms comprising first ends pivotally mounted to the housing and second ends extending therefrom; and

an infant receiving receptacle for moving in a side-to-side gliding motion relative to the first and second frame supports, wherein the second ends of the glide arms pivotally mount at each end of the infant receiving receptacle such that the glide arms remain substantially parallel to each other throughout the side-to-side motion.

2. The wood gliding bassinet of Clause 1, wherein the infant receiving receptacle comprises a mattress, and wherein the mattress remains substantially horizontal throughout the side-to-side gliding motion.

3. The wood gliding bassinet of Clause 1 or 2, wherein the first and second frame supports each define an inverted U-shaped member.

4. The wood gliding bassinet of any preceding Clause, wherein the first and second frame supports comprise one or more solid pieces of wood.

5. The wood gliding bassinet of any preceding Clause, wherein the first and second frame supports comprise one or more wood structures comprising

plywood and at least one laminated layer of veneer.

6. The wood gliding bassinet of Clause 5, wherein the plywood and/or veneer can be molded in a press to form a desirable shape and thickness.

5

7. The wood gliding bassinet of any preceding Clause, further comprising a shelf positioned below the infant receiving receptacle and between the first and second frame supports.

10

8. The wood gliding bassinet of any preceding Clause, further comprising one or more caster wheels for engaging ends from the first and second frame supports.

15

9. The wood gliding bassinet of any preceding Clause, further comprising a washable soft goods liner for removable attachment with the infant receiving receptacle.

20

10. A wood gliding bassinet comprising:

a wooden frame; and

25

an infant receiving receptacle pivotally mounted to the frame for swaying in a gliding motion.

11. The wood gliding bassinet of Clause 10, wherein the wooden frame comprises first and second inverted U-shaped frame members.

30

12. The wood gliding bassinet of Clause 11, further comprising a gliding assembly mounted to each of the inverted U-shaped members.

35

13. The wood gliding bassinet of Clause 12, wherein a pair of spaced-apart glide arms pivotally mount to each gliding assembly, and wherein the spaced-apart glide arms pivotally mount to end portions of the infant receiving receptacle.

40

14. The wood gliding bassinet of any of Clauses 11-13, wherein the inverted U-shaped members comprise plywood and laminated layers of veneer.

45

15. The wood gliding bassinet of Clause 14, wherein the plywood and/or veneer can be molded in a press to form a desirable shape and thickness.

50

16. The wood gliding bassinet of any of Clauses 10-15, further comprising a shelf positioned below the infant receiving receptacle and between the wooden frame.

55

17. The wood gliding bassinet of any of Clauses 10-16, further comprising at least two caster wheels mounted to the wooden frame.

18. The wood gliding bassinet of any of Clauses 10-17, further comprising a washable soft goods liner for removable attachment with the infant receiving receptacle

19. A wooden frame for a gliding bassinet comprising a first inverted U-shaped member spaced a distance away from a second inverted U-shaped member, each of the first and second inverted U-shaped members comprising a plywood layer sandwiched between wooden veneer layers.

Claims

1. A wood gliding bassinet comprising:

first and second frame wood supports;
a gliding assembly mounted to each of the frame supports, the gliding assembly comprising a housing and a pair of glide arms, the glide arms comprising first ends pivotally mounted to the housing and second ends extending therefrom; and
an infant receiving receptacle for moving in a side-to-side gliding motion relative to the first and second frame supports, wherein the second ends of the glide arms pivotally mount at each end of the infant receiving receptacle such that the glide arms remain substantially parallel to each other throughout the side-to-side motion.

2. The wood gliding bassinet of Claim 1, wherein the infant receiving receptacle comprises a mattress, and wherein the mattress remains substantially horizontal throughout the side-to-side gliding motion.

3. The wood gliding bassinet of Claim 1 or 2, wherein the first and second frame supports each define an inverted U-shaped member.

4. The wood gliding bassinet of any preceding claim, wherein the first and second frame supports comprise one or more solid pieces of wood.

5. The wood gliding bassinet of any preceding claim, wherein the first and second frame supports comprise one or more wood structures comprising plywood and at least one laminated layer of veneer; optionally, wherein the plywood and/or veneer can be molded in a press to form a desirable shape and thickness.

6. The wood gliding bassinet of any preceding claim, further comprising a shelf positioned below the infant receiving receptacle and between the first and second frame supports.

7. The wood gliding bassinet of any preceding claim, further comprising one or more caster wheels for engaging ends from the first and second frame supports. 5
8. A wood gliding bassinet comprising:
 - a wooden frame; and
 - an infant receiving receptacle pivotally mounted to the frame for swaying in a gliding motion. 10
9. The wood gliding bassinet of Claim 8, wherein the wooden frame comprises first and second inverted U-shaped frame members; optionally the wood gliding bassinet further comprises a gliding assembly mounted to each of the inverted U-shaped members. 15
10. The wood gliding bassinet of Claim 9, wherein a pair of spaced-apart glide arms pivotally mount to each gliding assembly, and wherein the spaced-apart glide arms pivotally mount to end portions of the infant receiving receptacle. 20
11. The wood gliding bassinet of Claim 9 or 10, wherein the inverted U-shaped members comprise plywood and laminated layers of veneer; optionally, wherein the plywood and/or veneer can be molded in a press to form a desirable shape and thickness. 25 30
12. The wood gliding bassinet of any of Claims 8-11, further comprising a shelf positioned below the infant receiving receptacle and between the wooden frame. 35
13. The wood gliding bassinet of any of Claims 8-12, further comprising at least two caster wheels mounted to the wooden frame. 40
14. The wood gliding bassinet of any preceding claim, further comprising a washable soft goods liner for removable attachment with the infant receiving receptacle 45
15. A wooden frame for a gliding bassinet comprising a first inverted U-shaped member spaced a distance away from a second inverted U-shaped member, each of the first and second inverted U-shaped members comprising a plywood layer sandwiched between wooden veneer layers. 50

55

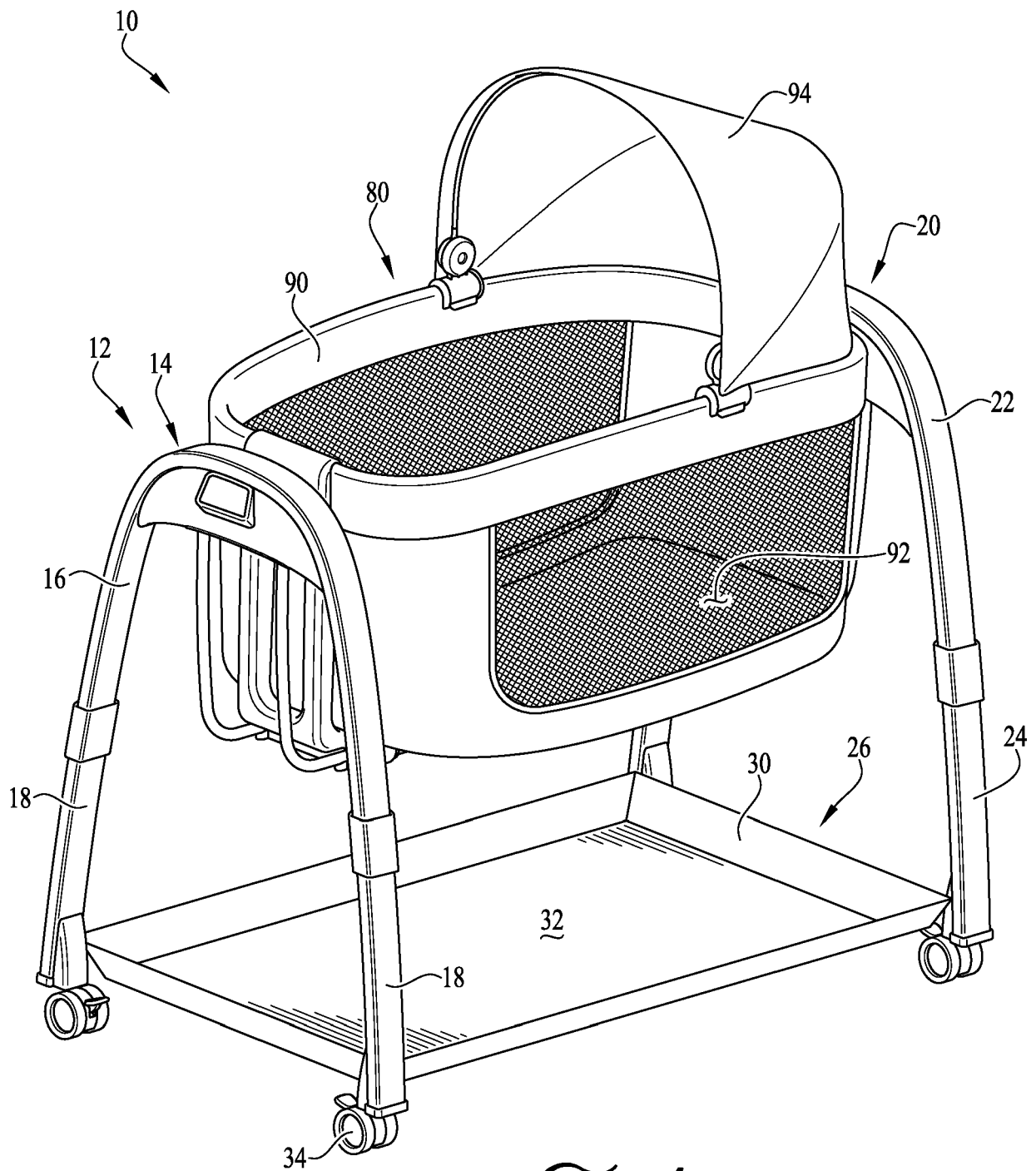


Fig. 1

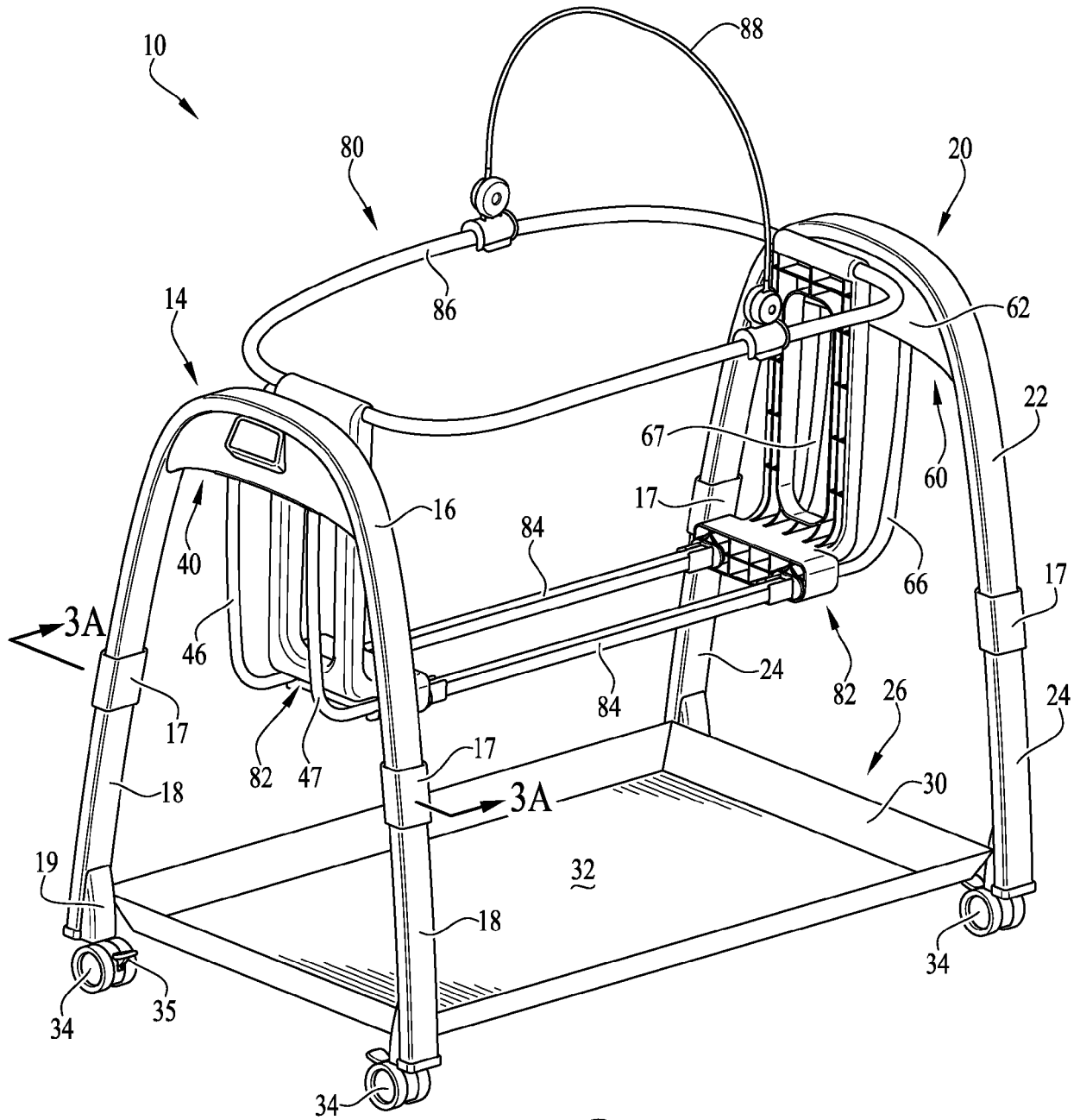
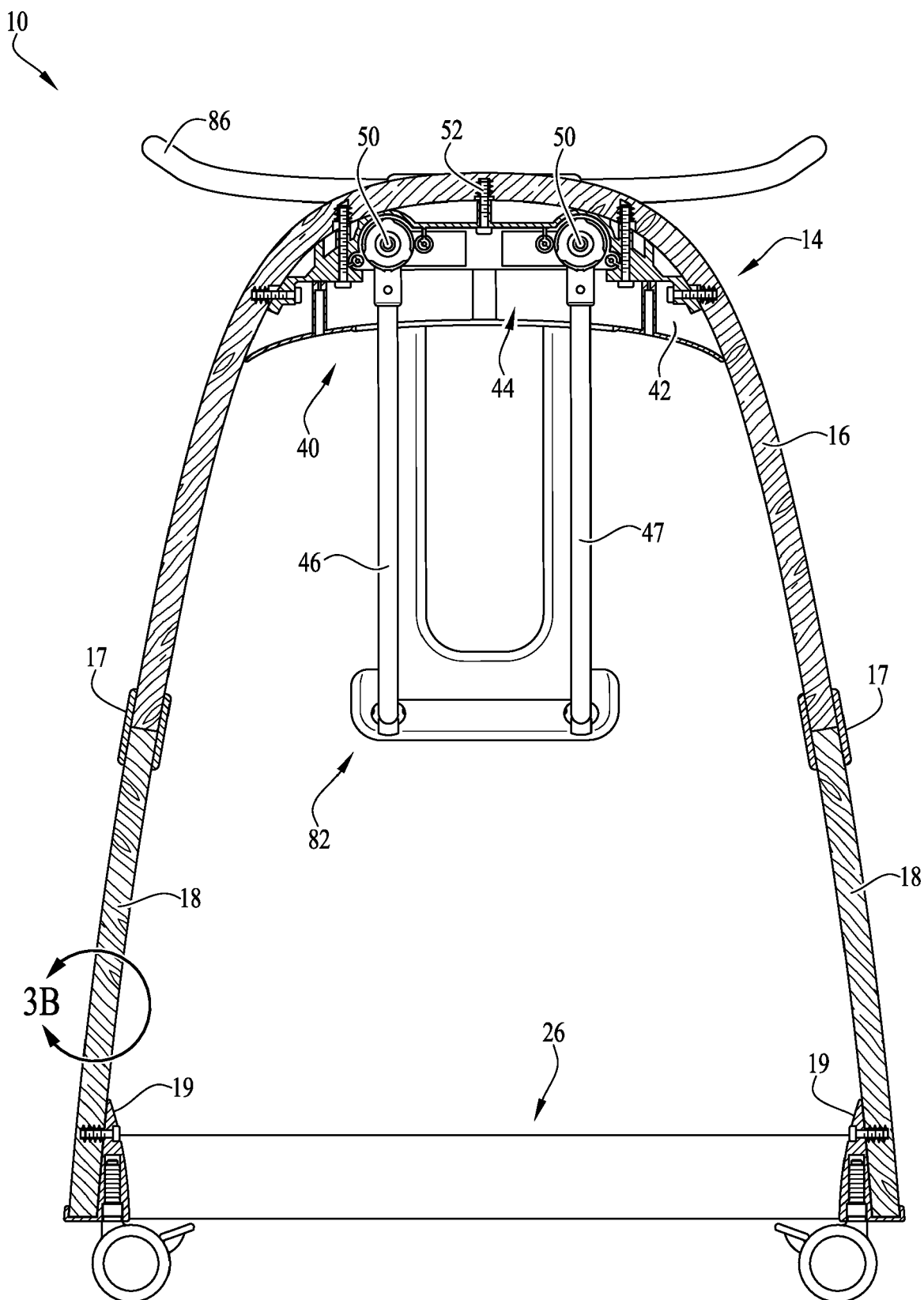


Fig. 2


$$\mathcal{F}_{\mathcal{L}} \cdot \mathcal{Z}_A$$

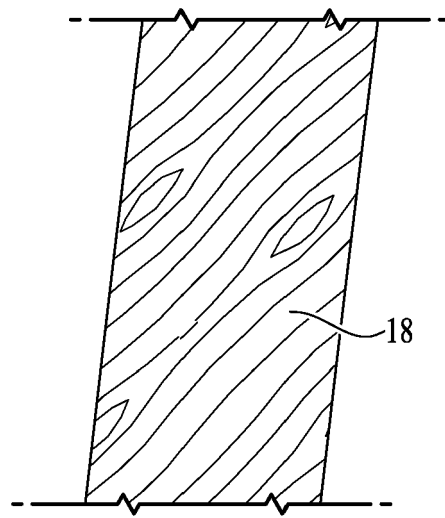


Fig. 3B

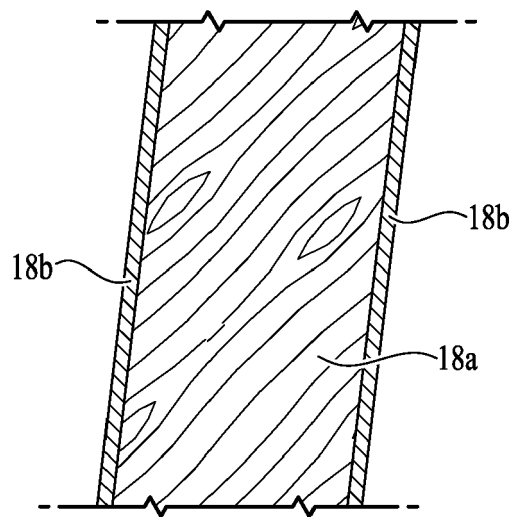


Fig. 3C

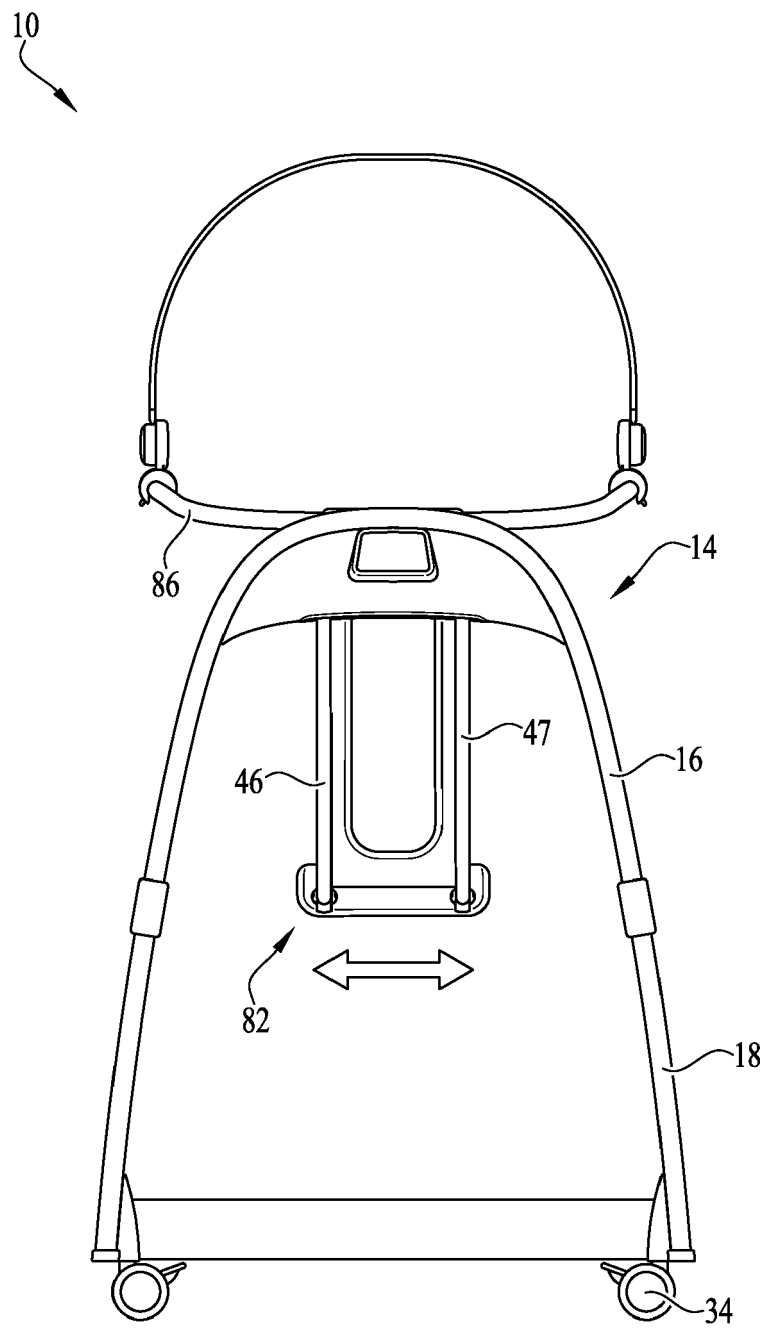


Fig. 4

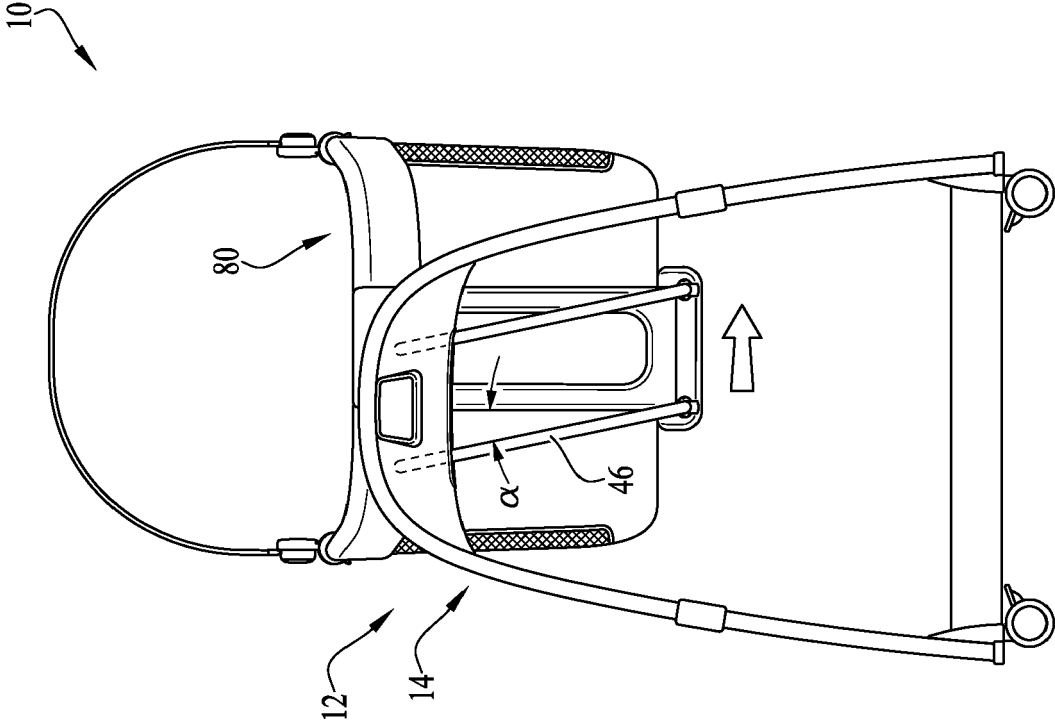


Fig. 5B

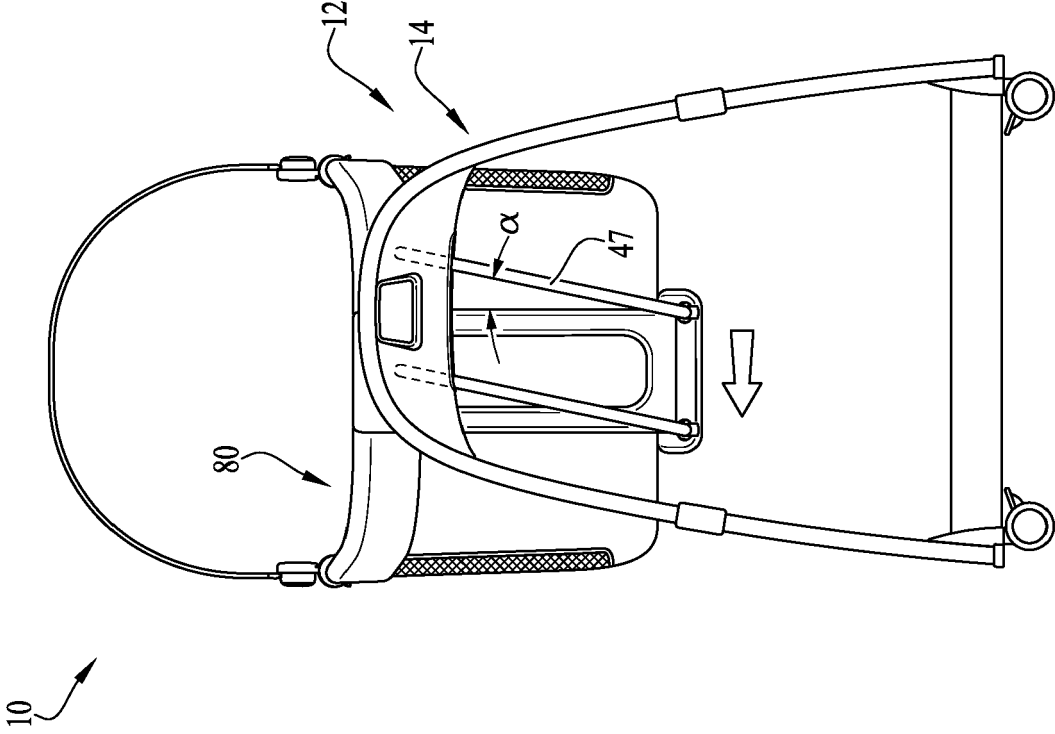


Fig. 5A

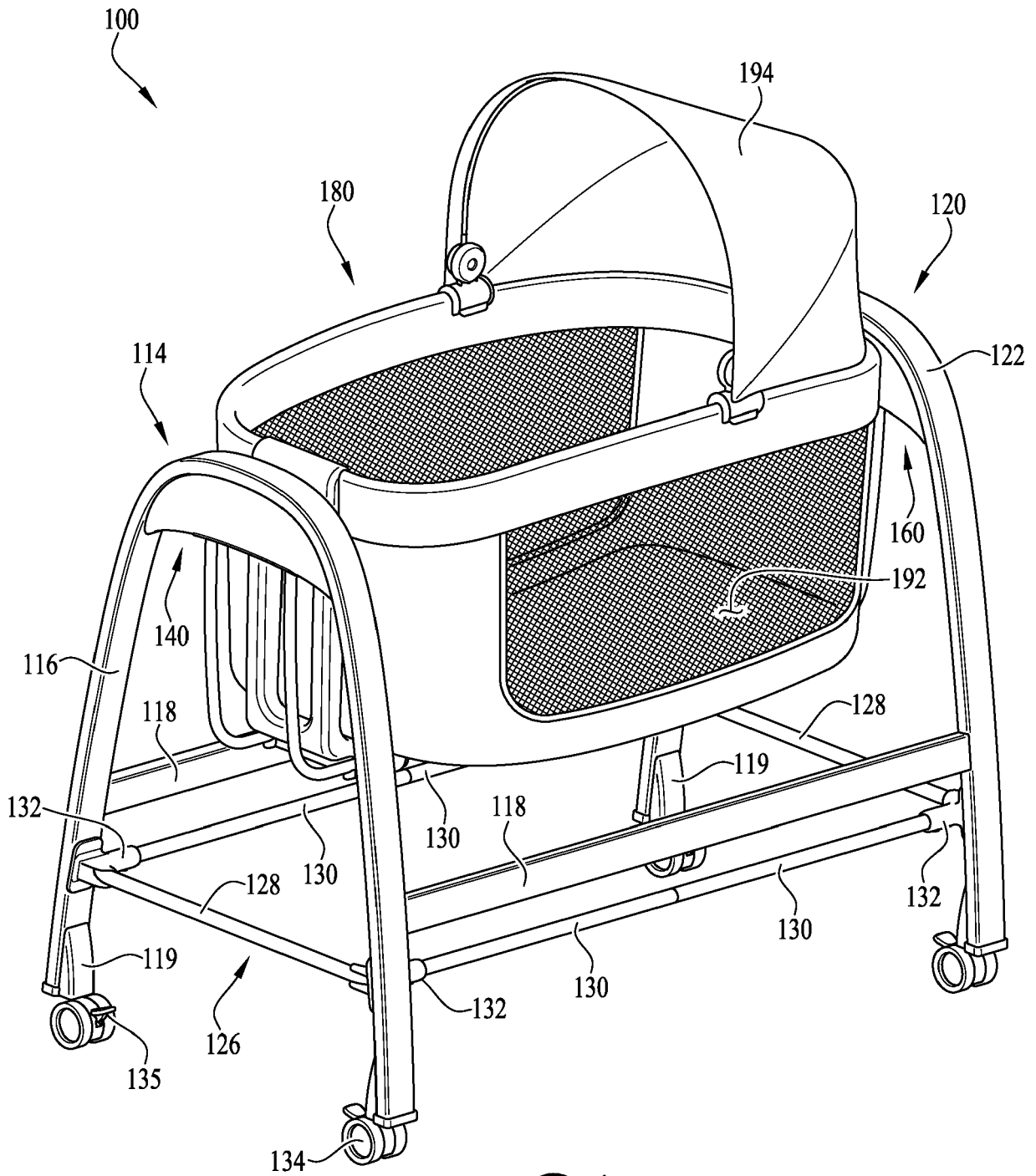


Fig. 6

**PARTIAL EUROPEAN SEARCH REPORT**

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

EP 17 19 1169

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	EP 2 409 605 A1 (WONDERLAND NURSERY GOODS [HK]) 25 January 2012 (2012-01-25) * figures 6,8,9 *	1-7	INV. A47D9/02 A47D1/00 A47D13/10 A47D1/02
A	US 1 431 408 A (ABRAHAM MELNIKER ET AL) 10 October 1922 (1922-10-10) * page 1, column 1, line 34 - line 35 * * figures 1-6 *	1,4	ADD. A47D15/00
A	US 2009/113625 A1 (HUTCHINSON JAMES M F [US] ET AL) 7 May 2009 (2009-05-07) * figures 1-12 *	3,6	
A,D	US 2015/342367 A1 (CORSO DANIEL [US] ET AL) 3 December 2015 (2015-12-03) * figure 5 *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			A47C A47D B68G A63H

INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.

Claims searched completely :

Claims searched incompletely :

Claims not searched :

Reason for the limitation of the search:

see sheet C

1

Place of search	Date of completion of the search	Examiner
The Hague	30 May 2018	Ibarrondo, Borja
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		

EPO FORM 1503 03 82 (P04E07)



INCOMPLETE SEARCH SHEET C

Application Number

EP 17 19 1169

Claim(s) completely searchable:

1-7

Claim(s) not searched:

8-15

Reason for the limitation of the search:

1 The present set of claims 1-15 contains three independent claims. Claims 1, 8 and 15 have been drafted as separate independent claims.

1.1 Under Article 84 in combination with Rule 43(2) EPC, an application may contain more than one independent claim in a particular category only if the subject-matter claimed falls within one or more of the exceptional situations set out in paragraph (a), (b) or (c) of Rule 43(2) EPC, which is not the case in the present application.

1.2 Independent claims 1, 8 and 15 relate neither to inter-related products - exception (a) (in the sense of plug-and-socket), nor to different uses of a product or apparatus - exception (b) (no use is claimed) (see Guidelines F-IV 3.2 and 3.3).

1.3 Regarding exception (c) it is noted that claims 1, 8 and 15 do not relate to an exceptional case of "alternative" solutions in the sense of mutually exclusive possibilities, since it would have always been possible to recast these three independent claims into a single independent claim followed by a set of dependent claims. Therefore, claims 1, 8 and 15 can not be considered as alternativesolutions.

2 The applicant was reminded of Rule 137(1) EPC: "Before receiving the European search report, the applicant may not amend the description, claims or drawings of a European patent application unless otherwise provided."

2.1 The applicant was invited to file a statement indicating the claims and/or subject-matter to be searched within the time limit indicated in the present communication (Rule 62a(1)). No response was received in due time, and as a result a partial search report based on claims 1-7 as filed on 14-09-2017 (Rule 62a(1) EPC) is hereby issued.

2.3 The subject-matter to be excised may be made the subject of one or more divisional applications. The divisional applications must be filed with the European Patent Office in Munich, The Hague or Berlin and shall be in the language of the proceedings relating to the present application (cf. Article 76(1) and Rule 36(2) EPC). The time limit for filing divisional applications (Rule 36(1) EPC) must be observed.

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

EP 17 19 1169

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.

30-05-2018

10

15

20

25

30

35

40

45

50

55

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 2409605 A1	25-01-2012	CN 102334863 A	01-02-2012
		EP 2409605 A1	25-01-2012
		US 2012017369 A1	26-01-2012
US 1431408 A	10-10-1922	NONE	
US 2009113625 A1	07-05-2009	CA 2643600 A1	02-05-2009
		CA 2732027 A1	02-05-2009
		CN 101797109 A	11-08-2010
		CN 101797110 A	11-08-2010
		DE 102008054185 A1	14-05-2009
		FR 2923693 A1	22-05-2009
		FR 2946850 A1	24-12-2010
		GB 2454573 A	13-05-2009
		GB 2465286 A	19-05-2010
		GB 2465287 A	19-05-2010
		JP 5408962 B2	05-02-2014
		JP 6005017 B2	12-10-2016
		JP 2009112812 A	28-05-2009
		JP 2013240723 A	05-12-2013
		US 2009113625 A1	07-05-2009
US 2015342367 A1	03-12-2015	US 2015342365 A1	03-12-2015
		US 2015342367 A1	03-12-2015
		US 2016270553 A1	22-09-2016

REFERENCES CITED IN THE DESCRIPTION

This list of references cited by the applicant is for the reader's convenience only. It does not form part of the European patent document. Even though great care has been taken in compiling the references, errors or omissions cannot be excluded and the EPO disclaims all liability in this regard.

Patent documents cited in the description

- US 62395158 A [0001]
- US 72269115 A [0001]
- US 62004266 A [0001]
- US 25998116 A [0001]
- US 62215790 A [0001]
- US 20150342367 A [0015]
- US 14722691 B [0015]
- US 20170065101 A [0016] [0021]
- US 15259981 B [0016] [0021]