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(54) **GLIDING LOUNGER**

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ABSTRACT

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The disclosed technology relates to a lounger that enables a seat portion and a backrest portion to translate independently of leg frames. The lounger described therefore provides a gliding function. The gliding lounger includes a first base leg frame and a second base leg frame. The gliding lounger includes a first armrest frame movable along a longitudinal axis of the gliding lounger independently of the first base leg frame and the second leg base frame. The gliding lounger includes a second armrest frame movable along the longitudinal axis of the gliding lounger independently of the first base leg frame and the second leg base frame.

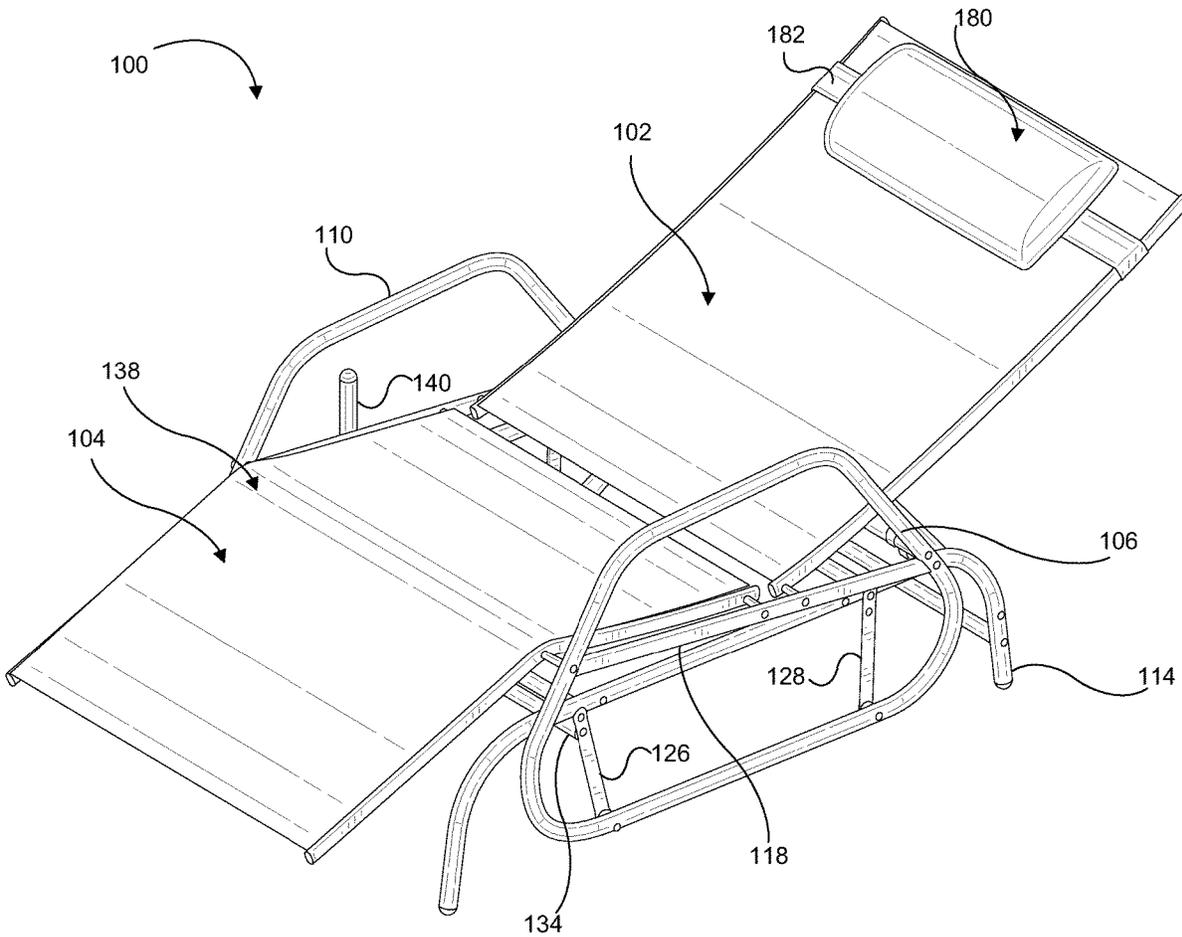
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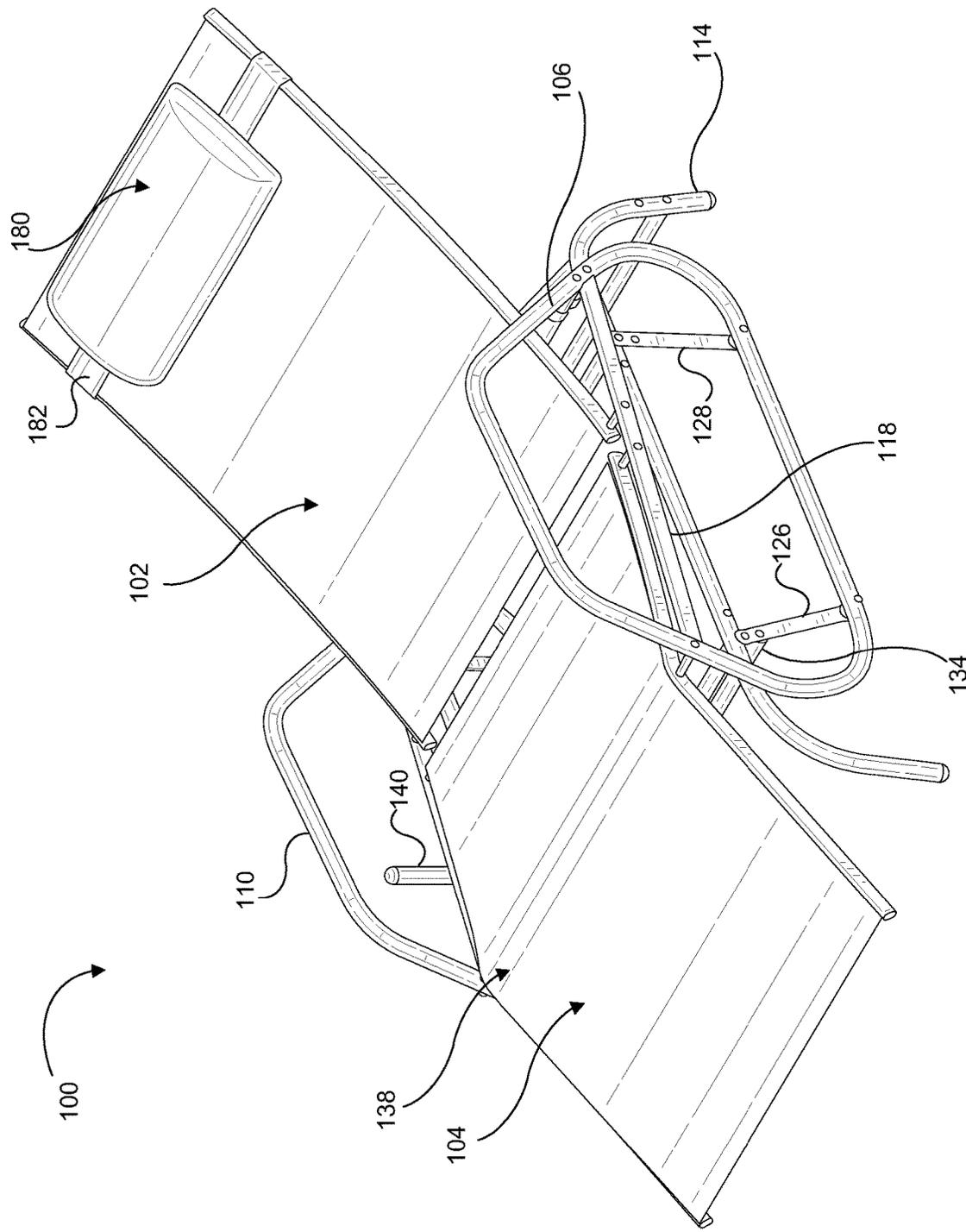


FIG. 1

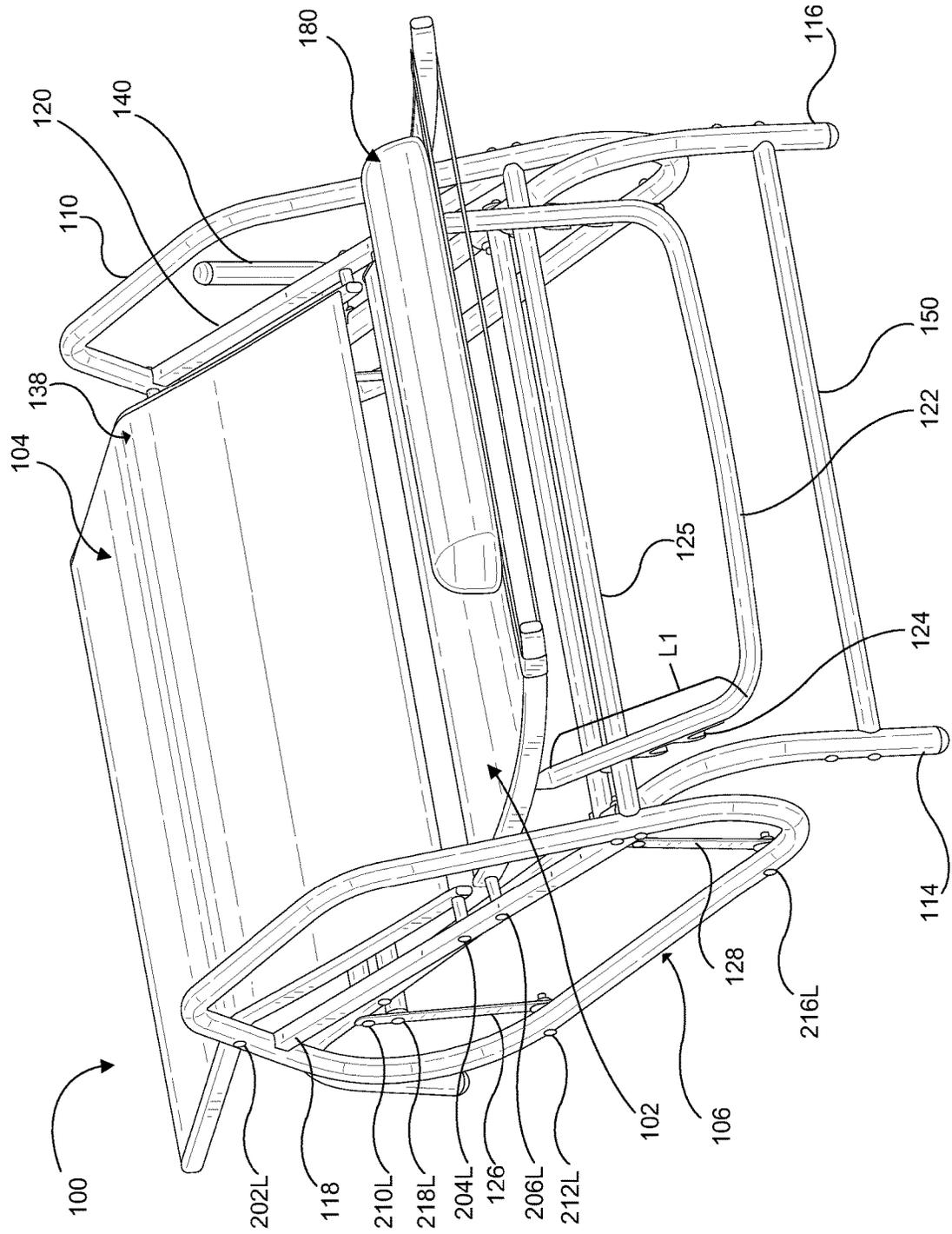


FIG. 2

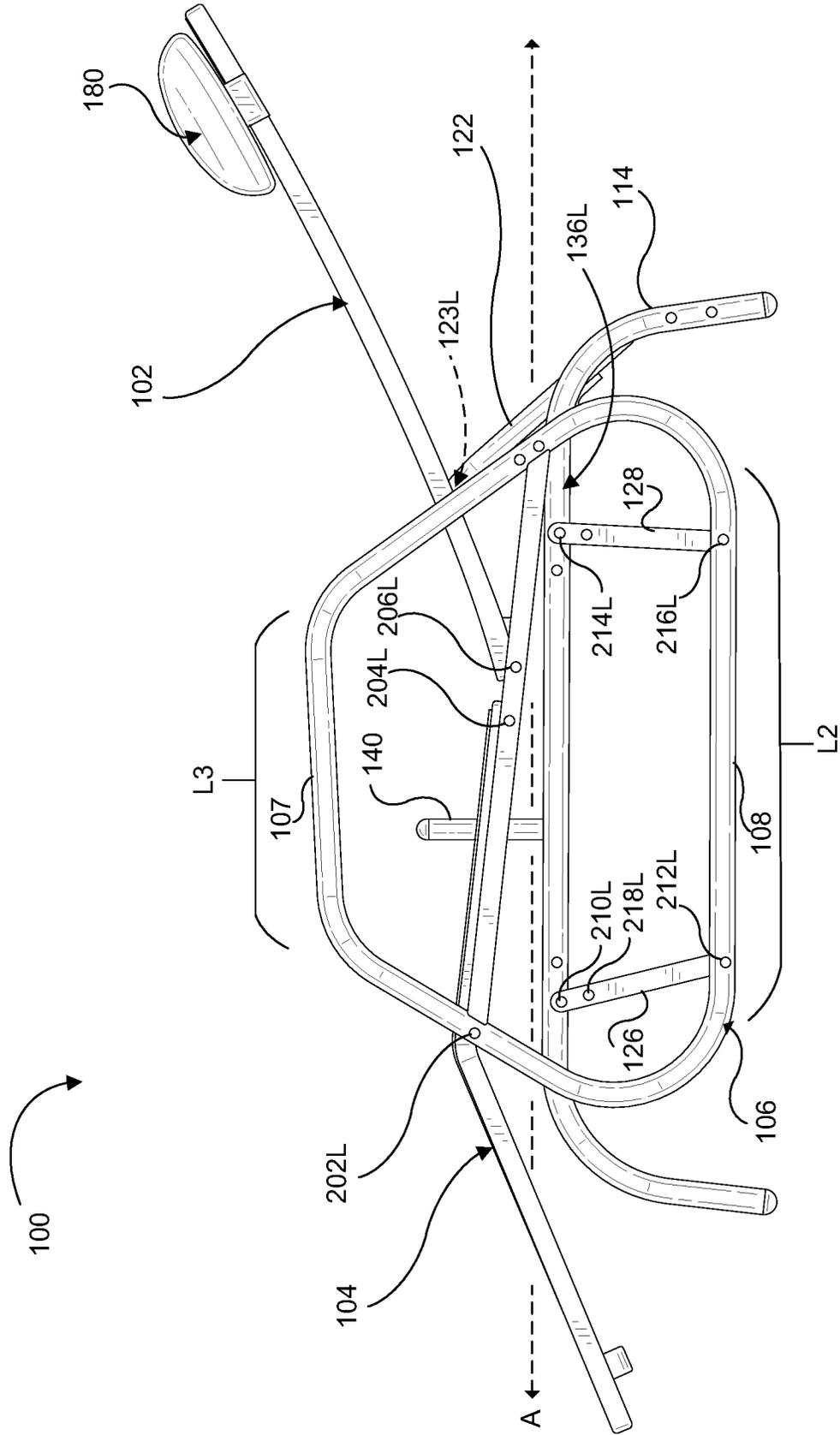


FIG. 3

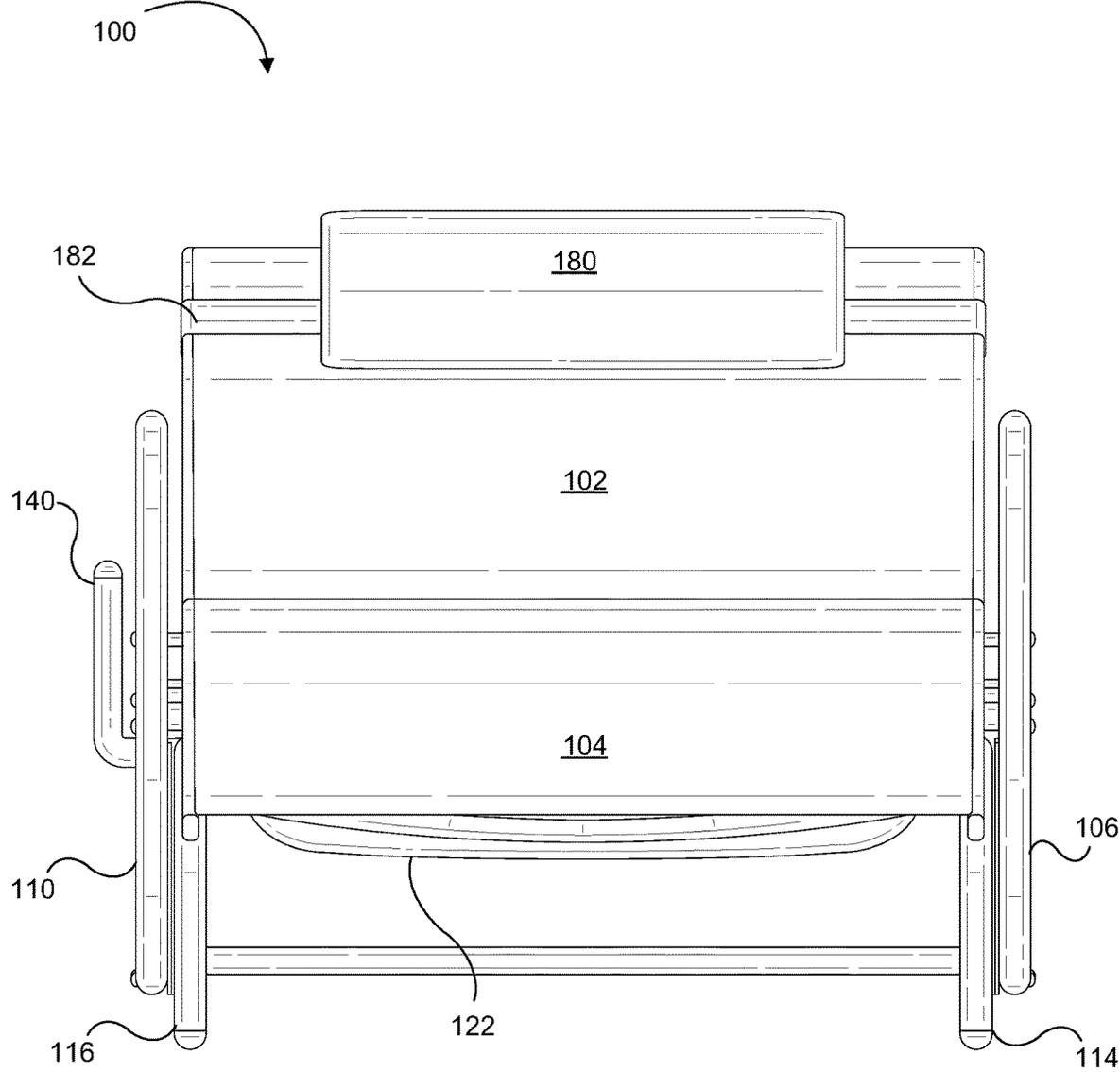


FIG. 5

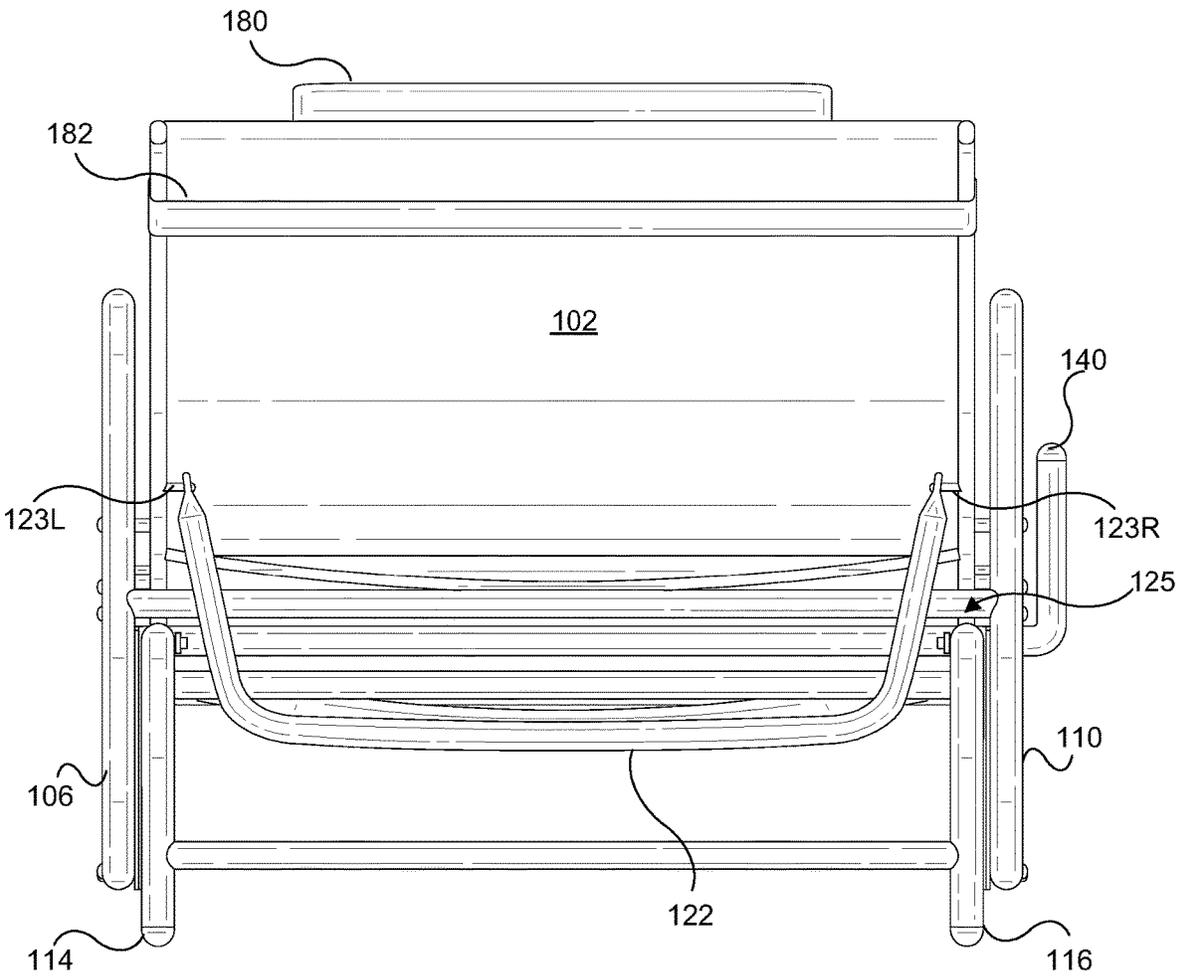


FIG. 6

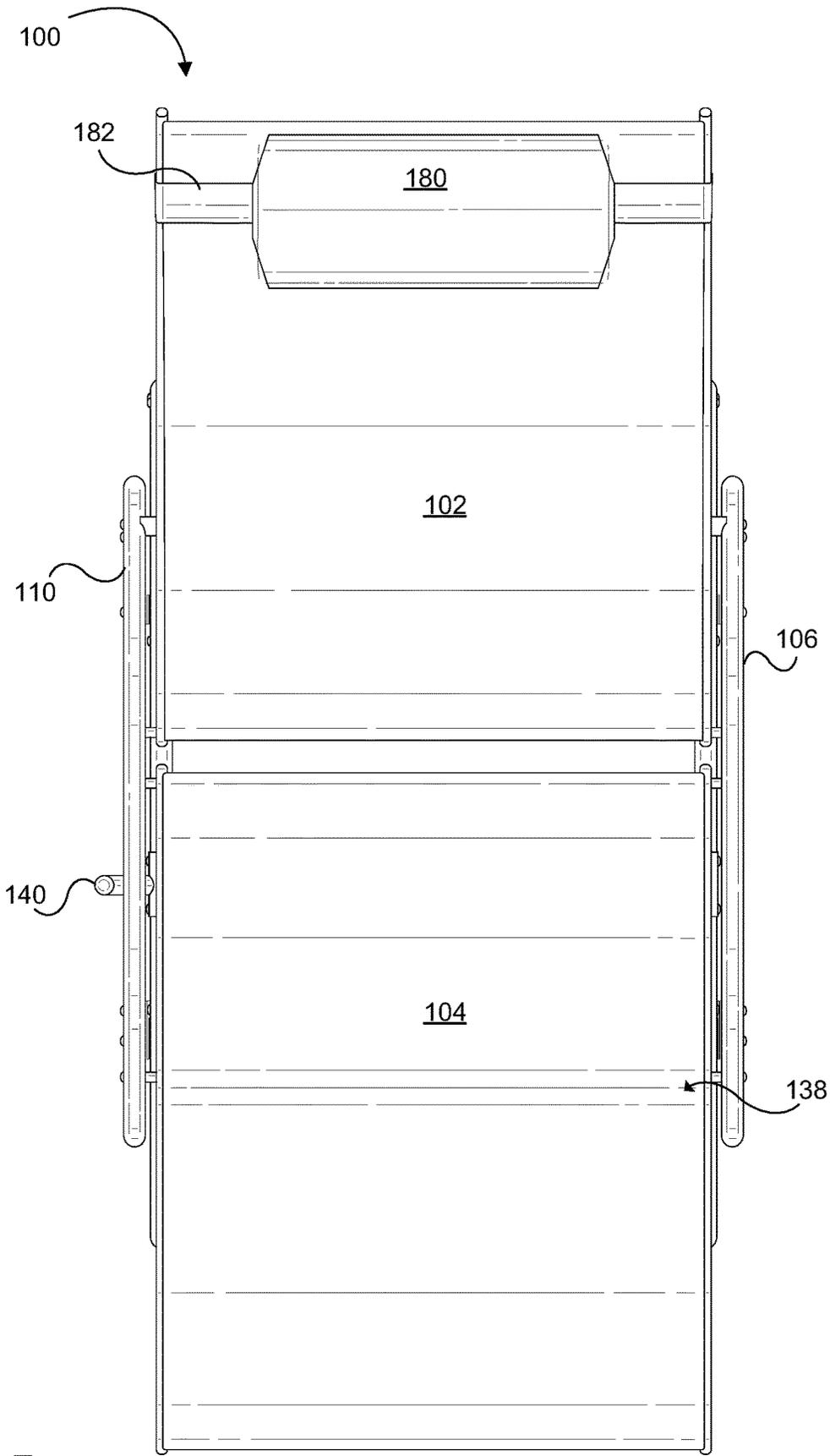


FIG. 7

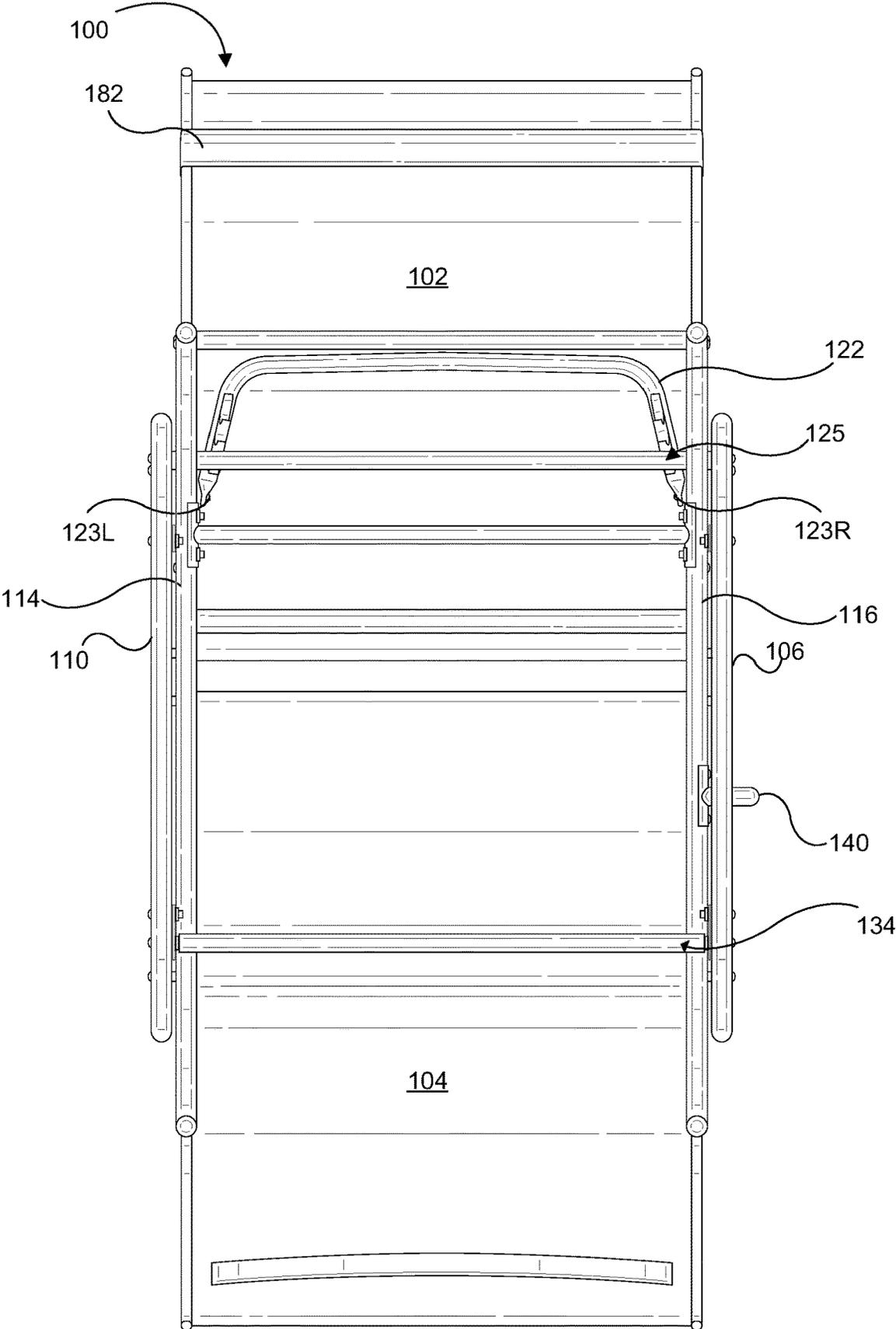


FIG. 8

GLIDING LOUNGER

FIELD

[0001] The disclosed technology relates generally to lounge seats, otherwise known as loungers. Specifically, this disclosed technology relates to a gliding lounger that enables a seat and backrest portion to translate independently of leg frames.

BACKGROUND

[0002] Longing chairs, otherwise known as loungers, are commonly used to provide comfortable seating in less weather-protected areas, such as outdoor patios and pool decks. Limitations exist with current designs for such loungers, as most of the products currently on the market are unable to balance aesthetics, form, and function. These and other drawbacks exist, and there is, therefore, a need for improved lounger designs that increase comfort, aesthetic appeal, and functionality.

SUMMARY

[0003] The present disclosure provides one or more solutions to the existing problems discussed above. Specifically, the disclosed technology relates to a lounger that enables a seat and backrest portion to translate independently of leg frames. In other words, the lounger described herein provides a gliding function. An aspect of the present disclosure provides a gliding lounger. The gliding lounger can include a first armrest frame comprising a first top longitudinal support, a first bottom longitudinal support, and a first crossing bar disposed between the first top longitudinal support and the first bottom longitudinal support. The gliding lounger can include a second armrest frame comprising a second top longitudinal support, a second bottom longitudinal support, and a second crossing bar disposed between the second top longitudinal support and the second bottom longitudinal support. The gliding lounger can include a first base leg frame and a second base leg frame. The gliding lounger can include a first vertical hinge support and a second vertical hinge support hingedly connected to their respective bottom ends to the first bottom longitudinal support and hingedly connected at their respective top ends to the first base leg frame. The gliding lounger can include a third vertical hinge support and a fourth vertical hinge support hingedly connected at their respective bottom ends to the second bottom longitudinal support and hingedly connected at their respective top ends to the second base leg frame. The gliding lounger can include a seat portion connected to the first crossing bar and the second crossing bar. The gliding lounger can include a backrest portion connected to the first crossing bar and the second crossing bar.

[0004] In some examples, the backrest portion can be hingedly connected to the first crossing bar and the second crossing bar so as to allow the backrest portion to include and recline. The gliding lounger can include a transverse bar connected to both the first armrest frame and the second armrest frame and disposed below the backrest portion. The gliding lounger can include a hinged support arm hingedly connected to the backrest portion and configured to engage with the transverse bar. In some examples, the hinged support arm can include a plurality of adjustment fingers engageable with the transverse bar at different positions

along a length of the hinged support arm, thereby enabling the backrest portion to incline and recline at different positions.

[0005] Another aspect of the present disclosure provides a gliding lounger. The gliding lounger can include a first base leg frame and a second base leg frame. The gliding lounger can include a first armrest frame movable along a longitudinal axis of the gliding lounger independently of the first base leg frame and the second leg base frame. The gliding lounger can include a second armrest frame movable along the longitudinal axis of the gliding lounger independently of the first base leg frame and the second leg base frame. The gliding lounger can include a seat portion connected to the first armrest frame and the second armrest frame such that the seat portion is movable along a longitudinal axis with the first armrest frame and the second armrest frame. The gliding lounger can include a backrest portion hingedly connected to the first armrest frame and the second armrest frame such that the backrest portion is movable along a longitudinal axis with the first armrest frame and the second armrest frame.

[0006] Further implementations, features, and aspects of the disclosed technology, and the advantages offered thereby, are described in greater detail hereinafter, and can be understood with reference to the following detailed description, accompanying drawings, and claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] Reference will now be made to the accompanying drawings, which are not necessarily drawn to scale, and which illustrate various implementations, aspects, and principles of the disclosed technology. In the drawings:

[0008] FIG. 1 is an upper, left, front perspective view of a gliding lounger, in accordance with certain embodiments of the disclosed technology.

[0009] FIG. 2 is an upper, left, rear perspective view of a gliding lounger, in accordance with certain embodiments of the disclosed technology.

[0010] FIG. 3 is a left elevation view of a gliding lounger, in accordance with certain embodiments of the disclosed technology.

[0011] FIG. 4 is a right elevation view of a gliding lounger, in accordance with certain embodiments of the disclosed technology.

[0012] FIG. 5 is a front elevation view of a gliding lounger, in accordance with certain embodiments of the disclosed technology.

[0013] FIG. 6 is a rear elevation view of a gliding lounger, in accordance with certain embodiments of the disclosed technology.

[0014] FIG. 7 is a top plan view of a gliding lounger, in accordance with certain embodiments of the disclosed technology.

[0015] FIG. 8 is a bottom plan view of a gliding lounger, in accordance with certain embodiments of the disclosed technology.

DETAILED DESCRIPTION

[0016] The present disclosure can be understood more readily by reference to the following detailed description of exemplary embodiments and the examples included herein. Before the exemplary embodiments of the devices and methods according to the present disclosure are disclosed

and described, it is to be understood that embodiments are not limited to those described within this disclosure. Numerous modifications and variations therein will be apparent to those skilled in the art and remain within the scope of the disclosure. It is also to be understood that the terminology used herein is for describing specific embodiments only and is not intended to be limiting. Some embodiments of the disclosed technology will be described more fully hereinafter with reference to the accompanying drawings. This disclosed technology may, however, be embodied in many different forms and should not be construed as limited to the embodiments set forth therein.

[0017] In the following description, numerous specific details are set forth. But it is to be understood that embodiments of the disclosed technology may be practiced without these specific details. In other instances, well-known methods, structures, and techniques have not been shown in detail in order not to obscure an understanding of this description. References to “one embodiment,” “an embodiment,” “example embodiment,” “some embodiments,” “certain embodiments,” “various embodiments,” etc., indicate that the embodiment(s) of the disclosed technology so described may include a particular feature, structure, or characteristic, but not every embodiment necessarily includes the particular feature, structure, or characteristic. Further, repeated use of the phrase “in one embodiment” does not necessarily refer to the same embodiment, although it may.

[0018] Unless otherwise noted, the terms used herein are to be understood according to conventional usage by those of ordinary skill in the relevant art. In addition to any definitions of terms provided below, it is to be understood that as used in the specification and in the claims, “a” or “an” can mean one or more, depending upon the context in which it is used. Throughout the specification and the claims, the following terms take at least the meanings explicitly associated herein, unless the context clearly dictates otherwise. The term “or” is intended to mean an inclusive “or.” Further, the terms “a,” “an,” and “the” are intended to mean one or more unless specified otherwise or clear from the context to be directed to a singular form.

[0019] Unless otherwise specified, the use of the ordinal adjectives “first,” “second,” “third,” etc., to describe a common object, merely indicate that different instances of like objects are being referred to and are not intended to imply that the objects so described must be in a given sequence, either temporally, spatially, in ranking, or in any other manner.

[0020] Also, in describing the exemplary embodiments, terminology will be resorted to for the sake of clarity. It is intended that each term contemplates its broadest meaning as understood by those skilled in the art and includes all technical equivalents that operate in a similar manner to accomplish a similar purpose.

[0021] To facilitate an understanding of the principles and features of the embodiments of the present disclosure, exemplary embodiments are explained hereinafter with reference to their implementation in an illustrative embodiment. Such illustrative embodiments are not, however, intended to be limiting.

[0022] The materials described hereinafter as making up the various elements of the embodiments of the present disclosure are intended to be illustrative and not restrictive. Many suitable materials that would perform the same or a similar function as the materials described herein are

intended to be embraced within the scope of the example embodiments. Such other materials not described herein can include, but are not limited to, materials that are developed after the time of the development of the disclosed technology, for example. Reference numbers throughout the figures indicate that a particular feature or object is being referred to.

[0023] Embodiments of the disclosed technology include a gliding lounger enabling a person to glide back and forth along a length (i.e., a longitudinal axis) of the lounger. In various embodiments, the gliding lounger also provides the ability to recline at different positions, all while maintaining the ability to glide back and forth. Various devices and methods are disclosed for providing and using a gliding lounger and exemplary embodiments of the devices will now be described with reference to the accompanying figures.

[0024] FIG. 1 is an upper, left, front perspective view of a gliding lounger 100, in accordance with certain embodiments of the disclosed technology. The gliding lounger 100 can include a backrest portion 102 and a seat portion 104. The backrest portion 102 and the seat portion 104 can be separated sections of the seating portion, such that either the backrest portion 102 or the seat portion 104 may incline or recline independent of the other portion. The backrest portion 102 and the seat portion 104 can include a fabric material as shown, or any other type of material such as wood or plastic planking. In some examples, the backrest portion 102 and the seat portion 104 can include a weather-resistant material such as a polymer fabric or another type of waterproof fabric.

[0025] On each of the backrest portion 102 and the seat portion 104 can be armrest frames, such as first armrest frame 106 and second armrest frame 110. The respective armrest frames can serve both the function of providing a place to rest a seated person's arms, and also provide a lower section to which hinges for a gliding motion can be connected. For example, the first armrest frame 106 can include a first top longitudinal support 107 that acts as the armrest, and the first armrest frame 106 can include a first bottom longitudinal support 108 that can be connected to hinges. The hinges at the first bottom longitudinal support 108 can be in the form of a first vertical hinge support 126 and a second vertical hinge support 128. The first vertical hinge support 126 and the second vertical hinge support 128 can be elongated bracket supports that connect the first bottom longitudinal support 108 to a first base leg frame 114. The first vertical hinge support 126 and the second vertical hinge support 128 can then act like pendulums, enabling the first armrest frame 106 to move independently of the first base leg frame 114 (i.e., along a longitudinal axis (A) that extends through the length of the gliding lounger 100).

[0026] Similarly, the second armrest frame 110 can include a second top longitudinal support 111 that acts as the armrest, and the second armrest frame 110 can include a second bottom longitudinal support 112 that can be connected to hinges. The hinges at the second bottom longitudinal support 112 can be in the form of a third vertical hinge support 130 and a fourth vertical hinge support 132. The third vertical hinge support 130 and the fourth vertical hinge support 132 can be elongated bracket supports that connect the second bottom longitudinal support 112 to a second base leg frame 116. The third vertical hinge support 130 and the fourth vertical hinge support 132 can then act like pendu-

lums, enabling the second armrest frame 110 to move independently of the second base leg frame 116 (i.e., along the longitudinal axis (A)).

[0027] Referring now to the shape and/or design of the first armrest frame 106 and the second armrest frame 110, the two armrest frames can have a rounded trapezoidal shape, as shown. In other words, a length (L2) (see FIGS. 3 and 4) of the first bottom longitudinal support 108 and the second bottom longitudinal support 112 can be longer than a length (L3) first top longitudinal support 107 and the second top longitudinal support 111. This design can both enable the top parts of the respective armrest frames to be smaller and therefore be centered in the seating section of the gliding lounger 100, and the bottom parts of the respective armrest frames to be longer and therefore provide a larger base for the vertical hinge supports 126, 128, 130, 132, such that the supporting section of the gliding lounger 100 has a more stable, longer base.

[0028] Referring to FIG. 2, which is an upper, left, rear perspective view of a gliding lounger 100, in accordance with certain embodiments of the disclosed technology, the first armrest frame 106 can include a first crossing bar 118 and the second armrest frame 110 can include a second crossing bar 120. The first crossing bar 118 and the second crossing bar 120 can provide support for the backrest portion 102 and the seat portion 104. For example, the first crossing bar 118 can be connected to the seat portion 104 at one side by a distal seat connector 202L and a proximal seat connector 204L. The second crossing bar 120 can be connected to the seat portion 104 at the other side by a distal seat connector 202R and a proximal seat connector 204R (see FIG. 4 for a clear view of the connectors not visible in FIG. 2). The seat connectors in this paragraph can be bolts, pins, brackets, or other fasteners capable of connecting the crossing bars to the seat portion 104.

[0029] The first crossing bar 118 can also be connected to the backrest portion 102 at one side by a backrest connector 206L. The second crossing bar 120 can be connected to the backrest portion 102 at the other side by a backrest connector 206R (see FIG. 4 for a clear view of the connectors not visible in FIG. 2). In example gliding loungers 100 that enable the backrest portion 102 to incline/recline, the backrest connectors 206L, 206R can be bolts, brackets, or other fasteners that enable the backrest portion 102 to pivot at the backrest connectors 206L, 206R.

[0030] To refer now to the ability to incline/recline, the gliding lounger 100 can include a hinged support arm 122 connected to the back of (e.g., a frame of) the backrest portion 102 via a first support arm connector 123L and a second support arm connector 123R, wherein the first support arm connector 123L and the second support arm connector 123R enable the hinged support arm 122 to pivot. The hinged support arm 122 can have a “U” shaped design and extend a length (L1) away from the backrest portion 102. The hinged support arm 122 can include a plurality of adjustment fingers 124 engageable with a transverse bar 125 that extends between the first armrest frame 106 and the second armrest frame 110. The plurality of adjustment fingers 124 can engage with the transverse bar 125 at different positions along the length (L1) of the hinged support arm 122, thereby enabling the backrest portion 102 to incline and recline at different positions depending on which of the fingers engage with the transverse bar 125. Further, since the transverse bar 125 and the hinged support

arm 122 are connected to the first armrest frame 106 and the second armrest frame 110 (and not the base leg frames 114, 116), then the gliding lounger 100 can still provide a gliding motion regardless of the angle of the recline of the backrest portion 102. Referring again to the plurality of adjustment fingers 124, the fingers can have a crescent shape such that they engage with the transverse bar 125, and be disengaged by hinging the portion 102 upwards.

[0031] Referring now to FIG. 3, which is a left elevation view of a gliding lounger 100, in accordance with certain embodiments of the disclosed technology, the view shows details of the aforementioned seat connectors 202L, 204L, 206L. The gliding lounger 100 can include additional brackets and connectors to effect the gliding capability and to support the independently-gliding armrest frames. For example, the gliding lounger 100 can include an upper first hinge support bracket left 210L that connects the first vertical hinge support 126 to the first base leg frame 114. The upper first hinge support bracket left 210L can be a bolt, bracket, pin or other fastener that enable the first vertical hinge support 126 to pivot with respect to the first base leg frame 114. The gliding lounger 100 can include a lower first hinge support bracket left 212L that connects the first vertical hinge support 126 to the first armrest frame 106. The lower first hinge support bracket left 212L can be a bolt, bracket, pin or other fastener that enable the first vertical hinge support 126 to pivot with respect to the first armrest frame 106.

[0032] The gliding lounger 100 can include an upper second hinge support bracket left 214L that connects the second vertical hinge support 128 to the first base leg frame 114. The upper second hinge support bracket left 214L can be a bolt, bracket, pin or other fastener that enable the second vertical hinge support 128 to pivot with respect to the first base leg frame 114. The gliding lounger 100 can include a lower second hinge support bracket left 216L that connects the second vertical hinge support 128 to the first armrest frame 106. The lower second hinge support bracket left 216L can be a bolt, bracket, pin or other fastener that enable the second vertical hinge support 128 to pivot with respect to the first armrest frame 106.

[0033] The gliding lounger 100 can include a stabilizing bar bracket left 218L that can connect the first vertical hinge support 126 to a stabilization bar 134 (visible in perspective view of FIG. 1). The stabilization bar 134 connect either the first vertical hinge support 126 and the third vertical hinge support 130 (as shown in the example figures of the present disclosure), or it can connect the second vertical hinge support 128 and the fourth vertical hinge support 132. The stabilization bar 134 can help to provide stability for the different sides of the gliding lounger 100 as it glides back and forth, i.e., so that the individual vertical hinge supports remain in track and the backrest portion 102 does not pivot side to side or torsionally, but instead only back and forth in a gliding motion. In some examples, there may be a first stabilization bar 134 that connects (a) the first vertical hinge support 126 and the third vertical hinge support 130, and a second stabilization bar 134 that connects (b) the second vertical hinge support 128 and the fourth vertical hinge support 132.

[0034] Referring now to the first base leg frame 114, as shown in the example of FIG. 3, the first base leg frame 114 can have a substantially horizontal top portion 136L (“substantially” meaning within 10° of horizontally level) that

curves on each ends downwardly to form substantially vertical legs (“substantially” meaning within 10° of fully vertically plumb) such that the substantially horizontal top portion 136L is elevated. This elevation provides room for the vertical hinge supports 126, 128, 130, 132 to extend below the substantially horizontal top portion 136L and provide their pendular design. The second base leg frame 116, as shown in the example of FIG. 4, can be substantially similar to the first base leg frame 114, i.e., the second base leg frame 116 can have a substantially horizontal top portion 136R that curves on each ends downwardly to form substantially vertical legs such that the substantially horizontal top portion 136R is elevated. The gliding lounger 100 can include a connecting bracket 150 disposed between the rear portions of the first base leg frame 114 and the second base leg frame 116 to provide additional structural support. Additional brackets can connect the first base leg frame 114 and the second base leg frame 116 for structural support. For example, brackets can extend between the first base leg frame 114 and the second base leg frame 116 at locations between the upper hinge support brackets 210L, 210R, 214L, 214R.

[0035] Referring now to FIG. 4, which is a right elevation view of a gliding lounger 100, in accordance with certain embodiments of the disclosed technology, the view shows details of the seat connectors 202R, 204R, 206R. The gliding lounger 100 can include additional brackets and connectors to effect the gliding capability and to support the independently-gliding armrest frames. For example, the gliding lounger 100 can include an upper third hinge support bracket left 210R that connects the third vertical hinge support 130 to the second base leg frame 116. The upper third hinge support bracket left 210R can be a bolt, bracket, pin or other fastener that enable the second vertical hinge support 130 to pivot with respect to the second base leg frame 116. The gliding lounger 100 can include a lower third hinge support bracket left 212R that connects the third vertical hinge support 130 to the second armrest frame 110. The lower third hinge support bracket left 212R can be a bolt, bracket, pin or other fastener that enable the third vertical hinge support 130 to pivot with respect to the second armrest frame 110.

[0036] The gliding lounger 100 can include an upper fourth hinge support bracket left 214R that connects the fourth vertical hinge support 132 to the second base leg frame 116. The upper fourth hinge support bracket left 214R can be a bolt, bracket, pin or other fastener that enable the fourth vertical hinge support 132 to pivot with respect to the second base leg frame 116. The gliding lounger 100 can include a lower fourth hinge support bracket left 216R that connects the fourth vertical hinge support 132 to the second armrest frame 110. The lower fourth hinge support bracket left 216R can be a bolt, bracket, pin or other fastener that enable the fourth vertical hinge support 132 to pivot with respect to the second armrest frame 110. The gliding lounger 100 can include a stabilizing bar bracket right 218R that can connect the third vertical hinge support 130 to a stabilization bar 134 (visible in perspective view of FIG. 1). As described above, the stabilization bar 134 can be connected at the other end to the first vertical hinge support 126.

FIG. 4 also provides a view of a handle 140 that can be connected to the stationary first base leg frame 114 and/or the stationary second base leg frame 116 (as shown in FIG. 4). The handle 140 can provide a place for a user to grab so as to help guide the gliding lounger 100 back and forth in its

gliding motion. In some examples, the seat portion 104 can include a bend 138 proximate a location where the seat portion 104 is connected to the first crossing bar 118 and the second crossing bar 120. This bend 138 can provide a downward-sloping footrest. The bend is 138 is also visible in FIGS. 1 and 2.

[0037] FIG. 5 is a front elevation view of a gliding lounger 100, in accordance with certain embodiments of the disclosed technology. As can be shown in this view, the gliding lounger 100 can include a pillow 180 disposed at the backrest portion 102. This pillow 180 can be integrated into the fabric of the backrest portion 102, for example by hook-and-loop fasteners, adhesive, stitching, or any other attachment method. In some examples, the pillow 180 can include a pillow strap 182 that surrounds the backrest portion 102, allowing the position of the pillow 180 to be adjusted. FIG. 6 is a rear elevation view of a gliding lounger 100, in accordance with certain embodiments of the disclosed technology. FIG. 6 provides a detailed view of the hinged support arm 122, the first support arm connector 123L, and the second support arm connector 123R.

[0038] FIG. 7 is a top plan view of a gliding lounger 100, in accordance with certain embodiments of the disclosed technology. FIG. 8 is a bottom plan view of a gliding lounger 100, in accordance with certain embodiments of the disclosed technology.

[0039] Aspects of the present disclosure can be provided by any of the following non-limiting Clauses.

[0040] Clause 1: A gliding lounger comprising: a first armrest frame (106) comprising a first top longitudinal support (107), a first bottom longitudinal support (108), and a first crossing bar (118) disposed between the first top longitudinal support (107) and the first bottom longitudinal support (108); a second armrest frame (110) comprising a second top longitudinal support (111), a second bottom longitudinal support (112), and a second crossing bar (120) disposed between the second top longitudinal support (111) and the second bottom longitudinal support (112); a first base leg frame (114); a second base leg frame (116); a first vertical hinge support (126) and a second vertical hinge support (128) hingedly connected at their respective bottom ends to the first bottom longitudinal support (108) and hingedly connected at their respective top ends to the first base leg frame (114); a third vertical hinge support (130) and a fourth vertical hinge support (132) hingedly connected at their respective bottom ends to the second bottom longitudinal support (112) and hingedly connected at their respective top ends to the second base leg frame (116); a seat portion (104) connected to the first crossing bar (118) and the second crossing bar (120); and a backrest portion (102) connected to the first crossing bar (118) and the second crossing bar (120).

[0041] Clause 2: The gliding lounger of claim 1, wherein the backrest portion (102) is hingedly connected to the first crossing bar (118) and the second crossing bar (120).

[0042] Clause 3: The gliding lounger of claim 1 further comprising: a transverse bar (125) connected to both the first armrest frame (106) and the second armrest frame (110) and disposed below the backrest portion (102); and a hinged support arm (125) hingedly con-

- ected to the backrest portion (102) and configured to engage with the transverse bar (125).
- [0043] Clause 4: The gliding lounge of claim 3, wherein the hinged support arm (122) comprises a plurality of adjustment fingers (124) engageable with the transverse bar (125) at different positions along a length (L1) of the hinged support arm (122), thereby enabling the backrest portion (102) to incline and recline at different positions.
- [0044] Clause 5: The gliding lounge of claim 4, wherein: the first vertical hinge support (126) and the third vertical hinge support (130) are disposed at a position below the seat portion (104) with respect to horizontal; and the second vertical hinge support (128) and the fourth vertical hinge support (132) are disposed at a position below the backrest portion (102) with respect to horizontal.
- [0045] Clause 6: The gliding lounge of claim 1, wherein the first armrest frame (106) and the second armrest frame (110) have a rounded trapezoidal shape.
- [0046] Clause 7: The gliding lounge of claim 1 further comprising a stabilization bar (134) connecting either: the first vertical hinge support (126) and the third vertical hinge support (130); or the second vertical hinge support (128) and the fourth vertical hinge support (132).
- [0047] Clause 8: The gliding lounge of claim 1, wherein the first base leg frame (114) and the second base leg frame (116) each comprise a substantially horizontal top portion (136L, 136R) that curve on each ends downwardly to form substantially vertical legs such that the substantially horizontal top portion is elevated.
- [0048] Clause 9: The gliding lounge of claim 1, wherein the seat portion (104) comprises a bend (138) proximate a location where the seat portion (104) is connected to the first crossing bar (118) and the second crossing bar (120), the bend (138) providing a downward-sloping footrest.
- [0049] Clause 10: The gliding lounge of claim 1, wherein the first crossing bar (118) and the second crossing bar (120) have a slope with respect to horizontal, such that the first crossing bar (118) and the second crossing bar (120) are higher with respect to a base surface at their connection to the seat portion (104) than at their connection to the backrest portion (102).
- [0050] Clause 11: The gliding lounge of claim 1 further comprising a handle (140) connected to the first base leg frame (114); or the second base leg frame (116).
- [0051] Clause 12: A gliding lounge comprising: a first base leg frame (114); a second base leg frame (116); a first armrest frame (106) movable along a longitudinal axis (A) of the gliding lounge independently of the first base leg frame (114) and the second leg base frame (116); a second armrest frame (110) movable along the longitudinal axis (A) of the gliding lounge independently of the first base leg frame (114) and the second leg base frame (116); a seat portion (104) connected to the first armrest frame (116) and the second armrest frame (110) such that the seat portion (104) is movable along a longitudinal axis (A) with the first armrest frame (116) and the second armrest frame (110); and a backrest portion (102) hingedly connected to the first armrest frame (106) and the second armrest frame (110) such that the backrest portion (102) is movable along a longitudinal axis (A) with the first armrest frame (106) and the second armrest frame (110).
- [0052] Clause 13: The gliding lounge of claim 12, wherein the first armrest frame (106) and the second armrest frame (110) have a rounded trapezoidal shape.
- [0053] Clause 14: The gliding lounge of claim 12 further comprising: a first vertical hinge support (126) and a second vertical hinge support (128) hingedly connected at their respective bottom ends to a first bottom longitudinal support (108) of the first armrest frame (106), and hingedly connected at their respective top ends to the first base leg frame (114); and a third vertical hinge support (130) and a fourth vertical hinge support (132) hingedly connected at their respective bottom ends to a second bottom longitudinal support (112) of the second armrest frame (110), and hingedly connected at their respective top ends to the second base leg frame (116).
- [0054] Clause 15: The gliding lounge of claim 14 further comprising a stabilization bar (134) connecting either: the first vertical hinge support (126) and the third vertical hinge support (130); or the second vertical hinge support (128) and the fourth vertical hinge support (132).
- [0055] Clause 16: The gliding lounge of claim 14, wherein: the first vertical hinge support (126) and the third vertical hinge support (130) are disposed at a position below the seat portion (104) with respect to horizontal; and the second vertical hinge support (128) and the fourth vertical hinge support (132) are disposed at a position below the backrest portion (102) with respect to horizontal.
- [0056] Clause 17: The gliding lounge of claim 12 further comprising: a transverse bar (125) connected to both the first armrest frame (106) and the second armrest frame (110) and disposed below the backrest portion (102); and a hinged support arm (122) hingedly connected to the backrest portion (102) and configured to engage with the transverse bar (125).
- [0057] Clause 18: The gliding lounge of claim 17, wherein the hinged support arm (122) comprises a plurality of adjustment fingers (124) engageable with the transverse bar (125) at different positions along a length (L1) of the hinged support arm (122), thereby enabling the backrest portion (102) to incline and recline at different positions.
- [0058] Clause 19: The gliding lounge of claim 12, wherein the first base leg frame (114) and the second base leg frame (116) each comprise a substantially horizontal top portion (136L, 136R) that curve on each ends downwardly to form substantially vertical legs such that the substantially horizontal top portion is elevated.
- [0059] Clause 20: The gliding lounge of claim 12, wherein the seat portion (104) comprises a bend (138) proximate a location where the seat portion (104) is connected to a first crossing bar (118) and a second crossing bar (120), the bend (138) providing a downward-sloping footrest.

What is claimed is:

1. A gliding lounger comprising:
 - a first armrest frame comprising a first top longitudinal support, a first bottom longitudinal support, and a first crossing bar disposed between the first top longitudinal support and the first bottom longitudinal support;
 - a second armrest frame comprising a second top longitudinal support, a second bottom longitudinal support, and a second crossing bar disposed between the second top longitudinal support and the second bottom longitudinal support;
 - a first base leg frame;
 - a second base leg frame;
 - a first vertical hinge support and a second vertical hinge support hingedly connected at their respective bottom ends to the first bottom longitudinal support and hingedly connected at their respective top ends to the first base leg frame;
 - a third vertical hinge support and a fourth vertical hinge support hingedly connected at their respective bottom ends to the second bottom longitudinal support and hingedly connected at their respective top ends to the second base leg frame;
 - a seat portion connected to the first crossing bar and the second crossing bar; and
 - a backrest portion connected to the first crossing bar and the second crossing bar.
2. The gliding lounger of claim 1, wherein the backrest portion is hingedly connected to the first crossing bar and the second crossing bar.
3. The gliding lounger of claim 1 further comprising:
 - a transverse bar connected to both the first armrest frame and the second armrest frame and disposed below the backrest portion; and
 - a hinged support arm hingedly connected to the backrest portion and configured to engage with the transverse bar.
4. The gliding lounger of claim 3, wherein the hinged support arm comprises a plurality of adjustment fingers engageable with the transverse bar at different positions along a length of the hinged support arm, thereby enabling the backrest portion to incline and recline at different positions.
5. The gliding lounger of claim 4, wherein:
 - the first vertical hinge support and the third vertical hinge support are disposed at a position below the seat portion with respect to horizontal; and
 - the second vertical hinge support and the fourth vertical hinge support are disposed at a position below the backrest portion with respect to horizontal.
6. The gliding lounger of claim 1, wherein the first armrest frame and the second armrest frame have a rounded trapezoidal shape.
7. The gliding lounger of claim 1 further comprising a stabilization bar connecting either:
 - the first vertical hinge support and the third vertical hinge support;
 - or
 - the second vertical hinge support and the fourth vertical hinge support.
8. The gliding lounger of claim 1, wherein the first base leg frame and the second base leg frame each comprise a substantially horizontal top portion that curve on each ends downwardly to form substantially vertical legs such that the substantially horizontal top portion is elevated.
9. The gliding lounger of claim 1, wherein the seat portion comprises a bend proximate a location where the seat portion is connected to the first crossing bar and the second crossing bar, the bend providing a downward-sloping footrest.
10. The gliding lounger of claim 1, wherein the first crossing bar and the second crossing bar have a slope with respect to horizontal, such that the first crossing bar and the second crossing bar are higher with respect to a base surface at their connection to the seat portion than at their connection to the backrest portion.
11. The gliding lounger of claim 1 further comprising a handle connected to the first base leg frame; or the second base leg frame.
12. A gliding lounger comprising:
 - a first base leg frame;
 - a second base leg frame;
 - a first armrest frame movable along a longitudinal axis of the gliding lounger independently of the first base leg frame and the second leg base frame;
 - a second armrest frame movable along the longitudinal axis of the gliding lounger independently of the first base leg frame and the second leg base frame;
 - a seat portion connected to the first armrest frame and the second armrest frame such that the seat portion is movable along a longitudinal axis with the first armrest frame and the second armrest frame; and
 - a backrest portion hingedly connected to the first armrest frame and the second armrest frame such that the backrest portion is movable along a longitudinal axis with the first armrest frame and the second armrest frame.
13. The gliding lounger of claim 12, wherein the first armrest frame and the second armrest frame have a rounded trapezoidal shape.
14. The gliding lounger of claim 12 further comprising:
 - a first vertical hinge support and a second vertical hinge support hingedly connected at their respective bottom ends to a first bottom longitudinal support of the first armrest frame, and hingedly connected at their respective top ends to the first base leg frame; and
 - a third vertical hinge support and a fourth vertical hinge support hingedly connected at their respective bottom ends to a second bottom longitudinal support of the second armrest frame, and hingedly connected at their respective top ends to the second base leg frame.
15. The gliding lounger of claim 14 further comprising a stabilization bar connecting either:
 - the first vertical hinge support and the third vertical hinge support;
 - or
 - the second vertical hinge support and the fourth vertical hinge support.
16. The gliding lounger of claim 14, wherein:
 - the first vertical hinge support and the third vertical hinge support are disposed at a position below the seat portion with respect to horizontal; and
 - the second vertical hinge support and the fourth vertical hinge support are disposed at a position below the backrest portion with respect to horizontal.

17. The gliding lounger of claim **12** further comprising:
a transverse bar connected to both the first armrest frame and the second armrest frame and disposed below the backrest portion; and
a hinged support arm hingedly connected to the backrest portion and configured to engage with the transverse bar.

18. The gliding lounger of claim **17**, wherein the hinged support arm comprises a plurality of adjustment fingers engageable with the transverse bar at different positions along a length of the hinged support arm, thereby enabling the backrest portion to incline and recline at different positions.

19. The gliding lounger of claim **12**, wherein the first base leg frame and the second base leg frame each comprise a substantially horizontal top portion that curve on each ends downwardly to form substantially vertical legs such that the substantially horizontal top portion is elevated.

20. The gliding lounger of claim **12**, wherein the seat portion comprises a bend proximate a location where the seat portion is connected to a first crossing bar and a second crossing bar, the bend providing a downward-sloping footrest.

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