(12) STANDARD PATENT APPLICATION (11) Application No. **AU 2025226678 A1**
(19) AUSTRALIAN PATENT OFFICE

(54) Title
Seat Belt with Booster Seat

(51) International Patent Classification(s)
A47D 1/10 (2006.01)

(21) Application No: **2025226678** (22) Date of Filing: **2025.09.02**

(30) Priority Data

(31) Number	(32) Date	(33) Country
63/691,104	**2024.09.05**	**US**
63/708,971	**2024.10.18**	**US**

(43) Publication Date: **2026.03.19**
(43) Publication Journal Date: **2026.03.19**

(71) Applicant(s)
WONDERLAND SWITZERLAND AG

(72) Inventor(s)
YEH, I Ping;CHENG, Yu-Hsuan;CHUNG, Chu-Hua

(74) Agent / Attorney
Allens Patent & Trade Mark Attorneys, 101 Collins Street, MELBOURNE, VIC, 3000, AU

ABSTRACT

The present disclosure provides a height-adjustable safety belt device for dining chair that is convenient for storage and outdoor carrying. In addition to being used with commercially available dining chairs to confine babies to the dining chairs and improve the stability and safety of the babies sitting on the dining chairs, the safety belt device for dining chair of the present disclosure is additionally provided with a detachable height-adjustable seat cushion that may allow babies to eat outdoors without being restricted by their body shapes, and enhance dining experience for babies and their caregivers when dining outdoors.

(Fig. 1A)

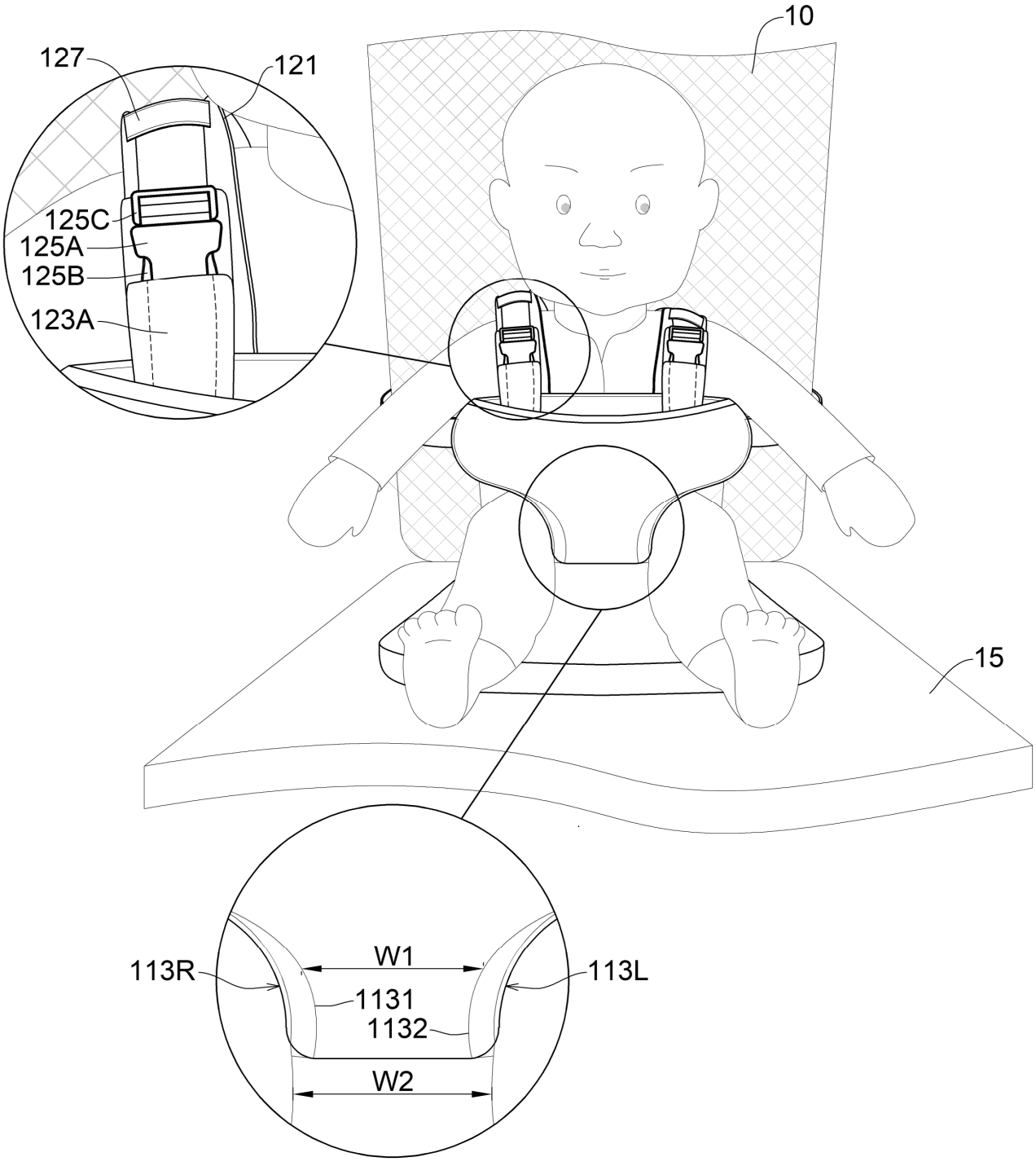

FIG. 1C

SAFETY BELT DEVICE FOR DINING CHAIR AND PORTABLE CHAIR

[0000] The present application claims the benefit of and priority to US Provisional Application. No 63/691,104, filed on September 5, 2024, and US Provisional Application No 63/708,971, filed on October 18, 2024, the entire contents of each are incorporated herein by reference.

TECHNICAL FIELD

[0001] The present disclosure relates to baby dining chairs and, more specifically, to a safety belt that may be combined with a dining chair. The present disclosure also relates to a portable chair with a safety belt device.

BACKGROUND

[0002] For safety reasons, babies need to sit on specially designed baby dining chairs when eating at the table with their caregivers. Baby dining chairs are often equipped with safety belt assemblies to restrain babies on the chairs and prevent them from falling off the chairs.

[0003] Existing baby dining chairs or portable dining chairs are relatively bulky and difficult to carry. In addition, most of the existing dining chairs are designed as fixed design (i.e., non-adjustable). For babies with slight figures, their height is insufficient to match the dining table, and seating space of the dining chairs may be too large to allow for stable seating, resulting in a falling risk.

[0003a] Any reference to or discussion of any document, act or item of knowledge in this specification is included solely for the purpose of providing a context for the present invention. It is not suggested or represented that any of these matters or any combination thereof formed at the priority date part of the common general knowledge, or was known to be relevant to an attempt to solve any problem with which this specification is concerned.

SUMMARY

[0004] One aspect of the present disclosure is to provide a dinning chair safety belt device, which may elevate babies sitting on dining chairs and be combined with ordinary dining chairs

202522667802 Sep 2025

to securely restrain babies on the dining chairs.

[0005] Another aspect of the present disclosure is to provide a height-adjustable safety belt device for dining chair, which is convenient for storage and outdoor carrying and is provided with a detachable height-adjustable seat cushion that may elevate babies, allowing babies to eat outdoors without being restricted by their body shapes.

[0006] Yet another aspect of the present disclosure is to provide a safety belt device for dining chair, which may be further combined with a bib accessory to enhance dining experience for babies and their caregivers when dining outdoors.

[0007] According to an aspect of the present disclosure, a safety belt device for dining chair provided herein includes: a body including a first portion and a second portion corresponding to a ventral side and a dorsal side of the baby, respectively, and a third portion connected between the first portion and the second portion and corresponding to a crotch of the baby, wherein the first portion, the second portion, and the third portion collectively define an accommodation space for the baby to sit in; a shoulder belt assembly connected to part of an upper edge of the first portion and part of an upper edge of the second portion, to correspond to shoulders of the baby when the baby sits in the accommodation space; a fixed belt assembly extending from first side edges on both sides of the first portion towards the second portion and detachably connected to an outer portion of the second portion; a connection belt assembly connected to second side edges on both sides of the first portion, to form a closed connection part, wherein the safety belt device for dining chair is fitted over the dining chair through the closed connection part to be combined with the dining chair; and a seat cushion connected to the body, wherein the seat cushion is placed on a seat part of the dining chair for the baby to sit on when the safety belt device for dining chair is combined with the dining chair.

[0008] According to an aspect of the present disclosure, the third portion of the body of the safety belt device for dining chair provided herein includes a seam corresponding to a crotch area of the baby.

[0009] According to an aspect of the present disclosure, a width between the seams is smaller than a minimum width of the third portion.

[0010] According to an aspect of the present disclosure, the shoulder belt assembly of the safety belt device for dining chair provided herein includes a pair of shoulder belt bodies and

a corresponding pair of adjustment belts; each of the shoulder belt bodies connects the first portion and the second portion; and the shoulder belt assembly is adjustable in length by the adjustment belts.

[0011] According to an aspect of the present disclosure, each of the shoulder belt bodies is provided with a limiting ring portion for the corresponding adjustment belt to pass through.

[0012] According to an aspect of the present disclosure, the fixed belt assembly of the safety belt device for dining chair provided herein includes a first fixed belt, a second fixed belt, a first buckle and a second buckle; a first end of the first fixed belt and a first end of the second fixed belt are fixedly connected to the first side edges on both sides of the first portion; the first buckle and the second buckle are fixed to the outer portion of the second portion; and a second end of the first fixed belt and a second end of the second fixed belt pass through the first buckle and the second buckle respectively and fixed, so that the fixed belt assembly is correspondingly adjustable in length.

[0013] According to an aspect of the present disclosure, the connection belt assembly of the safety belt device for dining chair provided herein includes a first connection belt, a second connection belt, and a connection adjustment buckle; a first end of the first connection belt and a first end of the second connection belt are fixedly connected to the second side edges on both sides of the first portion; a second end of the first connection belt and a second end of the second connection belt are connected with each other through the connection adjustment buckle, to form the closed connection part.

[0014] According to an aspect of the present disclosure, the seat cushion of the safety belt device for dining chair provided herein is detachably connected to the body.

[0015] According to an aspect of the present disclosure, the seat cushion includes a bag body and a seat cushion body disposed in the bag body, and the bag body is detachably connected to the body.

[0016] According to an aspect of the present disclosure, the safety belt device for dining chair provided herein further includes a bib accessory that is detachably connected to the shoulder belt assembly.

[0017] According to an aspect of the present disclosure, the bib accessory comprises a bib body, and a first attachment belt and a second attachment belt connected to an upper edge of

the bib body.

[0018] According to an aspect of the present disclosure, an inward side of the bib body is formed with a fitting portion, and inward sides of the first attachment belt and the second attachment belt are provided with adhesive portions and that match and fitted with the fitting portion.

[0019] According to an aspect of the present disclosure, the bib accessory is further provided with a receiving portion and a hanging belt on the bib body.

[0020] According to an aspect of the present disclosure, the shoulder belt assembly of the safety belt device for dining chair provided herein includes a pair of shoulder belt bodies, each of the shoulder belt bodies is provided with a limiting ring portion, and the bib accessory is detachably connected to the limiting ring portion.

[0021] According to an aspect of the present disclosure, the body has a sandwich structure formed by sandwiching a buffer layer between an inner surface fabric and an outer surface fabric.

[0022] According to an aspect of the present disclosure, the third portion is connected between the first portion and the second portion and has a width smaller than a width of the first portion and a width of the second portion, forming a clearance space corresponding to placement of legs of the baby and allowing the legs to stretch out.

[0023] According to an aspect of the present disclosure, the fixed belt assembly and the connection belt assembly are independently and separately provided.

[0024] Still another aspect the present disclosure is to provide a portable chair, including a chair body and the safety belt device for dining chair of an aspect of the present disclosure.

BRIEF DESCRIPTION OF THE DRAWINGS

[0025] To further understand features and technical content of the present disclosure, please refer to the following detailed description of embodiments of the present disclosure and the accompanying drawings. The detailed description and accompanying drawings are provided only for reference and illustration purposes and are not intended to limit the present disclosure. In the drawings:

[0026] FIGS. 1A to 1E illustrate schematic diagrams of a safety belt device for dining chair

according to an embodiment of the present disclosure in a use state from different perspectives;

[0027] FIGS. 2A to 2E illustrate schematic diagrams of a safety belt device for dining chair and its seat cushion according to another embodiment of the present disclosure;

[0028] FIGS. 3A to 3D illustrate schematic diagrams of a bib accessory of a safety belt device for dining chair, as well as its use in combination with the safety belt device for dining chair according to an embodiment of the present disclosure.

[Reference numerals]

10 Dining Chair Backrest

15 Dining Chair Seat Part

100, 200, 300 safety Belt Device for Dining Chair

110, 210 Body

111 First Portion

111U Upper Edge

111L1, 111L1 First Side Edge

111L2, 111L2 Second Side Edge

112, 212 Second Portion

112U Upper Edge

112B, 212B Outer Portion

113 Third Portion

113L, 113R Both Sides

1131, 1132 Seam

W1, W2 Width

S Accommodation Space

120, 220, 320 Shoulder Belt Assembly

121, 321 First Shoulder Belt Body

122, 322 Second Shoulder Belt Body

123, 124 Adjustment Belt

123A Fixed Portion

123B, 124B Connection Portion

125A Female Buckle

125B Male Buckle

125C Ladder Buckle

127, 327 Limiting Ring Portion

128, 328 Limiting Ring Portion

130, 230 Fixed Belt Assembly

131 First Fixed Belt

131A Fixed End

131B Adjustment End

132 Second Fixed Belt

132A Fixed End

132B Adjustment End

133 Fixed Portion

135 Adjustment Buckle

136 Adjustment Buckle

140, 240 Connection Belt Assembly

140C Closed Connection Part

141 First Connection Belt

141A First End (Fixed End)

141B Second End (Connection End)

142 Second Connection Belt

142A First End (Fixed End)

142B Second End (Connection End)

143 Connection Adjustment Buckle

143A Female Buckle

143B Male Buckle

150, 250 Seat Cushion

151, 251 Bag Body

152, 252 Seat Cushion Body

253A, 253B Hook-And-Loop Fastener

360 Bib Accessory

361 Bib Body

361A Fitting Portion

363 First Attachment Belt

363A Adhesive Portion

364 Second Attachment Belt

364A Adhesive Portion

365 Receiving Portion

366 Hanging Belt

DETAILED DESCRIPTION

[0029] Technical concepts and connotations of the present disclosure will be elaborated below with reference to the diagrams and exemplary embodiments. In the diagrams or descriptions, same or similar structures use same or corresponding reference numerals. Moreover, the diagrams are drawn for ease of understanding, and sizes and shapes of various elements in the diagrams do not represent actual sizes or proportional relationships of the elements.

[0030] Furthermore, the following descriptions of the diagrams and embodiments do not imply that the scope of the present disclosure is limited to a single embodiment; other embodiments are also possible by replacing some or all of the elements described or shown. In addition, in some cases where certain elements of the disclosed embodiments may adopt part or all of known elements, only portions of such known elements necessary for understanding the embodiments of the present disclosure are described, and detailed descriptions of other portions of these known elements are omitted to avoid confusion of the concepts and embodiments of the present disclosure.

[0031] With reference to FIGS. 1A to 1E which illustrate schematic diagrams of a safety belt device for dining chair 100 according to an embodiment of the present disclosure from different perspectives. Among them, FIGS. 1A and 1B illustrate front and rear schematic diagrams of the safety belt device for dining chair 100 of the present disclosure, respectively; FIGS. 1C to 1E illustrate schematic diagrams of the safety belt device for dining chair 100 of the present disclosure in a use state.

[0032] As shown in FIGS. 1A and 1B, the safety belt device for dining chair 100 of the present disclosure includes a body 110, a shoulder belt assembly 120, a fixed belt assembly 130, a connection belt assembly 140, and a seat cushion 150. Referring to FIGS. 1C to 1E, in this embodiment, the body 110 of the safety belt device for dining chair 100 includes a first portion 111 and a second portion 112 corresponding to a ventral side and a dorsal side of a baby, respectively, as well as a third portion 113 connected between the first portion 111 and the second portion 112 and corresponding to a crotch of the baby. The first portion 111, the second portion 112, and the third portion 113 collectively define an accommodation space S for the baby to sit in. In the embodiment of the present disclosure, the body 110 of the safety belt device for dining chair 100 is made of elastic fabric material with buffering properties, and has a certain degree of support to support the baby sitting inside the body 110 and stabilize a sitting posture of the baby in the accommodation space S. In an embodiment, the body 110 of the safety belt device for dining chair 100 may adopt a sandwich structure with a buffer layer sandwiched between an inner surface fabric and an outer surface fabric that have a certain degree of support, to balance comfort and safety of the baby when sitting therein.

[0033] As described above, the first portion 111, the second portion 112, and the third portion 113 of the body 110 correspond to the ventral side, the dorsal side, and the crotch of the baby, respectively. In other words, when observed from front views shown in FIGS. 1A and 1C, the first portion 111 of the body 110 is located on a frontward side of the safety belt device for dining chair 100 (e.g., facing a dining table), the second portion 112 is located on a rearward side of the safety belt device for dining chair 100 (e.g., facing a dining chair backrest), and the third portion 113 is connected between the first portion 111 and the second portion 112 and has a width smaller than a width of the first portion 111 and a width of the second portion 112, thereby forming a clearance space corresponding to placement of legs of the baby and allowing the legs to stretch out. In this embodiment, a height of the first portion 111 and a height of the second portion 112 may be designed to provide stable support for an upper body of the baby without affecting arm movements of the baby. For example, the height of the first portion 111 may be designed to reach chest of the baby, while the height of the second portion 112 may reach shoulder blades of the baby, to provide stable support for the baby when sitting therein.

[0034] As described above, the third portion 113 of the body 110 of the safety belt device for

202522667802 Sep 2025

dining chair 100 in this embodiment is connected between the first portion 111 and the second portion 112 and corresponds to the crotch of the baby, and its width is smaller than the width of the first portion 111 and the width of the second portion 112, thereby forming the clearance space corresponding to the placement of legs of the baby and allowing the legs to stretch out. In this embodiment, the third portion 113 further includes seams 1131 and 1132, which are located on both sides 113L and 113R of the third portion 113, respectively. The seams 1131 and 1132 are neatly reduced in size to correspond to a crotch area of the baby. By providing the seams 1131 and 1132, the third portion 113 of the body 110 of the safety belt device for dining chair 100 may have a soft and skin-friendly texture along outer edges of its two sides 113L and 113R (which are close to thighs of the baby), avoiding excessive friction against the thighs of the baby. In other words, a width W1 between the seams 1131 and 1132 is further smaller than a minimum width W2 of the third portion 113, so that the outer edges of the third portion 113 on both sides 113L and 113R may conform to contours of the thighs of the baby, avoiding the baby from experiencing discomfort due to friction.

[0035] As further shown in FIGS. 1C to 1E, in an embodiment, the shoulder belt assembly 120 is connected to part of an upper edge 111U of the first portion 111 and part of an upper edge 112U of the second portion 112 of the body 110, so as to correspond to shoulders of the baby when the baby sits in the accommodation space S. In this embodiment, the shoulder belt assembly 120 includes a first shoulder belt body 121 and a second shoulder belt body 122. A first end of the first shoulder belt body 121 and a first end of the second shoulder belt body 122 are connected to part of the upper edge 111U of the first portion 111 of the body 110, while a second end of the first shoulder belt body 121 and a second end of the second shoulder belt body 122 are connected to part of the upper edge 112U of the second portion 112. In an embodiment, the first shoulder belt body 121 and the second shoulder belt body 122 may be made of the same fabric material as the body 110, i.e., a sandwich structure with a buffer layer sandwiched between an inner surface fabric and an outer surface fabric that have a certain degree of support, so as to alleviate pressure exerted by the shoulder belt assembly 120 on the shoulders of the baby. In an embodiment, the first shoulder belt body 121 and the second shoulder belt body 122 are provided with corresponding adjustment belts 123 and 124. By adjusting lengths of the adjustment belts 123 and 124, the length of the shoulder belt assembly

120 may be adjusted accordingly. Specifically, the lengths of the adjustment belts 123 and 124 may be adjusted according to the overall height and shoulder height of the baby, so that the shoulder belt assembly 120 may be loosened (at a right shoulder of the baby as shown in FIG. 1C) or tightened (at a left shoulder of the baby as shown in FIG. 1C) from the shoulders of the baby, allowing the shoulder belt assembly 120 to be worn on the baby with the most appropriate length and degree of tightness, and providing a fixation effect and stable support for the baby.

[0036] In the present disclosure, for example, the length adjustment of the adjustment belts 123 and 124 is realized by a ladder buckle in conjunction with a pair of quick-release connectors. Specifically, the adjustment belt 123 includes a fixed portion 123A and a connection portion 123B. A first end of the fixed portion 123A, which is close to the frontward side of the safety belt device for dining chair 100, is fixed to the first shoulder belt body 121, thereby being fixed to the first portion 111 of the body 110; and a second end of the fixed part 123A serves as a connection end, which is connected with a female buckle 125A. A first end of the connection portion 123B of the adjustment belt 123, which is close to the rearward side of the safety belt device for dining chair 100, is fixed to the shoulder belt body 121, thereby being fixed to the second portion 112 of the body 110; and a second end of the connection portion 123B serves as a connection end, which is connected with a male buckle 125B fitted with the female buckle 125A, and passes through, for example, a ladder buckle 125C, to adjust a length of the connection portion 123B of the adjustment belt 123 according to the overall height or shoulder height of the baby. Similarly, although not indicated in the drawings, the adjustment belt 124 may also include the same structure and configuration as the adjustment belt 123, i.e., including a pair of male and female buckles that form a quick-release connector and cooperating with adjustment of a ladder buckle, to adjust a length of a connection portion of the adjustment belt 124 according to the overall height or shoulder height of the baby.

[0037] In an embodiment, the first shoulder belt body 121 and the second shoulder belt body 122 are provided with limiting ring portions 127 and 128, respectively. The connection portions 123B and 124B of the adjustment belts 123 and 124 may pass through the limiting ring portions 127 and 128 respectively to be limited, to prevent the adjustment belts 123 and 124 from sliding or affecting actions of the baby.

[0038] As shown in FIGS. 1B and 1D, in this embodiment, the fixed belt assembly 130

extends from first side edges 111L and 111R on both sides of the first portion 111 (the frontward side of the safety belt device for dining chair 100) of the body 110 towards the second portion 112 (the rearward side of the safety belt device for dining chair 100), and is detachably connected to an outer portion 112B of the second portion 112. Specifically, in this embodiment, the fixed belt assembly 130 includes a first fixed belt 131 and a second fixed belt 132, which are connected to the first side edges 111L1 and 111R1 of the first portion 111 of the body 110 by fixed ends 131A and 132A, respectively, and which extend towards the second portion 112 by adjustment end 131B and 132B, respectively. The fixed belt assembly 130 further includes a fixed portion 133, which is securely attached to the outer portion 112B of the second portion 112, for example, by hot-pressing bonding or sewing, and which has two ends connected to a first adjustment buckle 135 and a second adjustment buckle 136, respectively. By way of example, the first adjustment buckle 135 and the second adjustment buckle 136 may be for example but not limited to, ladder buckles. In this embodiment, the first fixed belt 131 and the second fixed belt 132 may be adhesive fastening belt structures (i.e., Velcro), and their respective adjustment ends 131B and 132B extend through the first adjustment buckle 135 and the second adjustment buckle 136, respectively, and then fold back towards the first portion 111 of the body 110 (the frontward side of the safety belt device for dining chair 100) to be fixed by adhesive fastening, so as to adjust a fixed length of the fixed belt assembly 130 according to the body shape (e.g., an abdominal girth) of the baby, thereby stably restraining the baby while maintaining comfort. In other embodiments, the first fixed belt 131 and the second fixed belt 132 are not limited to the adhesive fastening belts; for example, the first fixed belt 131 and the second fixed belt 132 may be provided with corresponding hook-and-loop fasteners, magnetic buckles, quick-release connectors, etc., to facilitate the folding and fixation of their adjustment ends 131B and 132B.

[0039] In this embodiment, the first fixed belt 131 and the second fixed belt 132 may be made of the same fabric material as the body 110, that is, a sandwich structure with a buffer layer sandwiched between an inner surface fabric and an outer surface fabric that have a certain degree of support, so as to alleviate pressure exerted by the fixed belt assembly 130 on the abdomen of the baby. In other embodiments, the first fixed belt and the second fixed belt may also be made of elastic material, which may conform to the body of the baby and further provide

202522667802 Sep 2025

adjustment flexibility for the fixed belt assembly to adapt to changes in the body shape of the baby.

[0040] As shown in FIGS. 1A, 1B, and 1E, in this embodiment, the connection belt assembly 140 is connected to second side edges 111L2 and 111R2 on both sides of the first portion 111 of the body 110, thereby forming a closed connection part 140C (as shown in FIG. 1E). The safety belt device for dining chair 100 may be stably fitted over the dining chair backrest 10 through the closed connection part 140C. Specifically, in this embodiment, the connection belt assembly 140 includes a first connection belt 141 and a second connection belt 142, with their respective first ends (i.e., fixed ends) 141A and 142A fixedly connected to the second side edges 111L2 and 111R2 on both sides of the first portion 111 of the body 110. Respective second ends (i.e., connection ends) 141B and 142B of the first connection belt 141 and the second connection belt 142 are provided with connection adjustment buckles 143, through which the two connection ends 141B and 142B are connected to form the closed connection part 140C. By way of example, the connection adjustment buckles 143 may be for example but not limited to a quick-release connector that includes a pair of a female buckle 143A and a male buckle 143B fitted with each other, and may be combined with for example a ladder buckle to adjust a length of the connection belt according to a width of the dining chair backrest 10 and the body shape of the baby, thereby adjusting a size of the closed connection part 140C and improving the stability of the safety belt device for dining chair 100 for the dining chair.

[0041] As described above, in the present disclosure, the fixed belt assembly 130 for fixing the baby body and the connection belt assembly 140 for connecting the entire safety belt device for dining chair 100 to the dining chair are independently and separately provided, to prevent the safety belt device for dining chair 100 from creating space due to the difference between the body shape of the baby and the width of the dining chair backrest 10, which could cause the baby to slip out or fall, thereby further ensuring the safety of the baby when sitting on the dining chair.

[0042] As shown in FIG. 1B and FIGS. 1C to 1E, the safety belt device for dining chair 100 of this embodiment includes the seat cushion 150, and the seat cushion 150 includes a bag body 151 and a seat cushion body 152 placed inside the bag body 151. The seat cushion 150 is connected to the body 110 through the bag body 151, and is placed on a dining chair seat part

15 for the baby to sit on when the safety belt device for dining chair 100 is attached to the dining chair, thereby elevating the baby according to a dining environment (such as the height of the dining table and chair, the position of the dining plate, etc.).

[0043] With reference to FIGS. 2A to 2E, FIGS. 2A to 2C illustrate schematic diagrams of a safety belt device for dining chair 200 and its seat cushion 250 according to another embodiment of the present disclosure; and FIG. 2D schematically illustrates a storage state of the safety belt device for dining chair 200. In this embodiment, the safety belt device for dining chair 200 has the same configuration and structure as the safety belt device for dining chair 100 shown in FIGS. 1A to 1E, including a body 210, a shoulder belt assembly 220, a fixed belt assembly 230, and a connection belt assembly 240. The difference from the previous embodiment is that in the safety belt device for dining chair 200 of this embodiment, the seat cushion 250 is detachably connected to the body 210, which facilitates storage in a non-use state.

[0044] In detail, in this embodiment, the seat cushion 250 mainly includes a bag body 251 connected to the body 210, and a seat cushion body 252 movably disposed in the bag body 251. For example, the bag body 251 may be connected, by a hook-and-loop fastener 253A provided on its outer surface, to a hook-and-loop fastener 253B provided at a position near a bottom of an outer portion 212B (i.e., a rearward side of the safety belt device for dining chair 200) of a second portion 212 of the body 210. In other embodiments, the bag body 251 may also be connected to the body 210 through methods such as magnetic attraction, buckling, or bonding. In an embodiment, the seat cushion body 252 is a soft and supportive structure with a certain thickness, and is disposed in the bag body 251 to elevate the baby and provide a comfortable seating environment for the baby. In an embodiment, the seat cushion body 252 may be an inflatable seat cushion that may be removed from the bag body 251 when not in use, and may be deflated to reduce its volume for better overall storage. Further, in an embodiment, besides the seat cushion body 252, the safety belt device for dining chair 200 overall may be folded and placed in the bag body 251 for easy storage and carrying, as shown in FIG. 2D.

[0045] With reference to FIGS. 3A to 3D which illustrate schematic diagrams of a safety belt device for dining chair 300 according to yet another embodiment of the present disclosure. FIGS. 3A and 3B respectively show a front view (an outward side of a bib accessory 360) and

a rear view (an inward side of the bib accessory 360) of the bib accessory 360 of this embodiment, while FIGS. 3C and 3D illustrate that the bib accessory 360 is used in combination with the safety belt device for dining chair 300.

[0046] As shown in FIGS. 3A and 3B, in this embodiment, the bib accessory 360 includes a bib body 361 and first and second attachment belts 363 and 364 connected to an upper edge of the bib body 361. On the outward side of the bib accessory 360, as shown in FIG. 3A, the bib accessory 360 of this embodiment is further provided with a receiving portion 365 and a hanging belt 366 on the bib body 361. The receiving portion 365 may have a pocket-like structure and, for example, may be used to temporarily store small items or receive fallen food debris. The hanging belt 366 is fixed to the bib body 361 and may be used to hang and store small items (e.g., pacifiers) of the baby. As shown in FIG. 3B, an inward side of the bib body 361 is formed with a fitting portion 361A (e.g., a loop side of the hook-and-loop fastener), and inward sides of the first attachment belt 363 and the second attachment belt 364 are provided with adhesive portions 363A and 364A (e.g., hook sides of the hook-and-loop fastener) that may match and be fitted with the fitting portion 361A. Preferably, in this embodiment, the fitting portion 361A is provided on an entire surface of the inward side of the bib body 361, and the adhesive portions 363A and 364A are also provided on entire surfaces of the inward sides of the first attachment belt 363 and the second attachment belt 364, respectively.

[0047] As shown in FIGS. 3C and 3D, when the safety belt device for dining chair 300 and the bib accessory 360 of the present disclosure are to be used in combination, the first attachment belt 363 and the second attachment belt 364 of the bib accessory 360 may extend through respective limiting ring portions 327 and 328 of a first shoulder belt body 321 and a second shoulder belt body 322 of a shoulder belt assembly 320. After the first attachment belt 363 and the second attachment belt 364 are adjusted to appropriate positions and lengths, the adhesive portions 363A and 364A of the first attachment belt 363 and the second attachment belt 364 may adhere to and be fixed to the fitting portion 361A of the bib body 361 on the inward side. In an embodiment, since the fitting portion 361A is formed on the entire surface of the inward side of the bib body 361, and the adhesive portions 363A and 364A are also formed on the entire surfaces of the inward sides of the first attachment belt 363 and the second attachment belt 364, a position adjustment range of the bib accessory 360 may be enlarged

during use, which may be widely used for babies of different heights and body shapes.

[0048] As described above, the present disclosure provides a height-adjustable safety belt device for dining chair that is convenient for storage and outdoor carrying. In addition to being used with commercially available dining chairs to confine babies to the dining chairs and improve the stability and safety of the babies sitting on the dining chairs, the safety belt device for dining chair of the present disclosure is additionally provided with the detachable height-adjustable seat cushion that may be used to elevate the babies, allowing babies to eat outdoors without being restricted by their body shapes.

[0049] In addition, the safety belt device for dining chair of the present disclosure may further be combined with the bib accessory that has the function of storing small items (such as pacifiers) or receiving fallen food debris, which may enhance dining experience for babies and their caregivers when dining outdoors.

[0050] The present disclosure also provides a portable chair including a chair body and the safety belt device for dining chair according to the present disclosure; the chair body includes a dining chair backrest and a dining chair seat part.

[0051] It should be noted that all parameters, dimensions, materials, and constructions described in the present disclosure are for illustrative purposes only, and their actual parameters, dimensions, materials, and/or constructions depend on specific applications or use of the teachings of the present disclosure. It should be understood that the above embodiments are mainly presented by way of example and, within the scope of the appended claims and their equivalents, the concepts and embodiments of the present disclosure may be implemented in a manner different from the specific description and claimed protection. The embodiments of the present disclosure involve each individual feature, element, article, material, assembly, and/or method mentioned above.

[0052] Additionally, if such features, elements, articles, materials, assemblies, and/or methods are not inconsistent with each other, any combination of two or more such features, elements, articles, materials, assemblies, and/or methods is included within the scope of the present disclosure. Other substitutions, modifications, changes, and omissions may be made to the designs, operating conditions, and configuration structures of corresponding elements of the above embodiments without departing from the scope of the present disclosure. The use of

numerical ranges does not exclude equivalents that fall outside the range but satisfy the same function in the same way and produce the same result.

[0053] In this specification, the terms ‘comprises’, ‘comprising’, ‘includes’, ‘including’, or similar terms are intended to mean a non-exclusive inclusion, such that a method, system or apparatus that comprises a list of elements does not include those elements solely, but may well include other elements not listed.

WHAT IS CLAIMED IS:

1. A safety belt device for dining chair, capable of being combined with a dining chair to confine a baby to the dining chair, comprising:

a body comprising a first portion and a second portion corresponding to a ventral side and a dorsal side of the baby, respectively, and a third portion connected between the first portion and the second portion and corresponding to a crotch of the baby, wherein the first portion, the second portion, and the third portion collectively define an accommodation space for the baby to sit in;

a shoulder belt assembly connected to part of an upper edge of the first portion and part of an upper edge of the second portion, to correspond to shoulders of the baby when the baby sits in the accommodation space;

a fixed belt assembly extending from first side edges on both sides of the first portion towards the second portion and detachably connected to an outer portion of the second portion;

a connection belt assembly connected to second side edges on both sides of the first portion, to form a closed connection part, wherein the safety belt device for dining chair is fitted over the dining chair through the closed connection part to be combined with the dining chair; and

a seat cushion connected to the body, wherein the seat cushion is placed on a seat part of the dining chair for the baby to sit on when the safety belt device for dining chair is combined with the dining chair.

2. The safety belt device for dining chair according to claim 1, wherein the third portion comprises seams corresponding to a crotch area of the baby.

3. The safety belt device for dining chair according to claim 2, wherein a width between the seams is smaller than a minimum width of the third portion.

4. The safety belt device for dining chair according to claim 1, wherein the shoulder belt assembly comprises a pair of shoulder belt bodies and a corresponding pair of adjustment belts; each of the shoulder belt bodies connects the first portion and the second portion; and the shoulder belt assembly is adjustable in length by the adjustment belts.

5. The safety belt device for dining chair according to claim 4, wherein each of the

shoulder belt bodies is provided with a limiting ring portion for the corresponding adjustment belt to pass through.

6. The safety belt device for dining chair according to claim 1, wherein the fixed belt assembly comprises a first fixed belt, a second fixed belt, a first buckle and a second buckle; a first end of the first fixed belt and a first end of the second fixed belt are fixedly connected to the first side edges on both sides of the first portion; the first buckle and the second buckle are fixed to the outer portion of the second portion; and a second end of the first fixed belt and a second end of the second fixed belt pass through the first buckle and the second buckle respectively and fixed, so that the fixed belt assembly is correspondingly adjustable in length.

7. The safety belt device for dining chair according to claim 1, wherein the connection belt assembly comprises a first connection belt, a second connection belt, and a connection adjustment buckle; a first end of the first connection belt and a first end of the second connection belt are fixedly connected to the second side edges on both sides of the first portion; a second end of the first connection belt and a second end of the second connection belt are connected with each other through the connection adjustment buckle, to form the closed connection part.

8. The safety belt device for dining chair according to claim 1, wherein the seat cushion is detachably connected to the body.

9. The safety belt device for dining chair according to claim 8, wherein the seat cushion comprises a bag body and a seat cushion body disposed in the bag body, and the bag body is detachably connected to the body.

10. The safety belt device for dining chair according to claim 1, further comprising a bib accessory that is detachably connected to the shoulder belt assembly.

11. The safety belt device for dining chair according to claim 10, wherein the bib accessory comprises a bib body, and a first attachment belt and a second attachment belt connected to an upper edge of the bib body.

12. The safety belt device for dining chair according to claim 11, wherein an inward side of the bib body is formed with a fitting portion, and inward sides of the first attachment belt and the second attachment belt are provided with adhesive portions and that match and fitted with the fitting portion.

13. The safety belt device for dining chair according to claim 11, wherein the bib accessory is further provided with a receiving portion and a hanging belt on the bib body.

14. The safety belt device for dining chair according to claim10, wherein the shoulder belt assembly comprises a pair of shoulder belt bodies, each of the shoulder belt bodies is provided with a limiting ring portion, and the bib accessory is detachably connected to the limiting ring portion.

15. The safety belt device for dining chair according to claim 1, wherein the body has a sandwich structure formed by sandwiching a buffer layer between an inner surface fabric and an outer surface fabric.

16. The safety belt device for dining chair according to claim 1, wherein the third portion is connected between the first portion and the second portion and has a width smaller than a width of the first portion and a width of the second portion, forming a clearance space corresponding to placement of legs of the baby and allowing the legs to stretch out.

17. The safety belt device for dining chair according to claim 1, wherein the fixed belt assembly and the connection belt assembly are independently and separately provided.

18. A portable chair, comprising a chair body and the safety belt device for dining chair according to any one of claims 1-17.

2025226678 02 Sep 2025

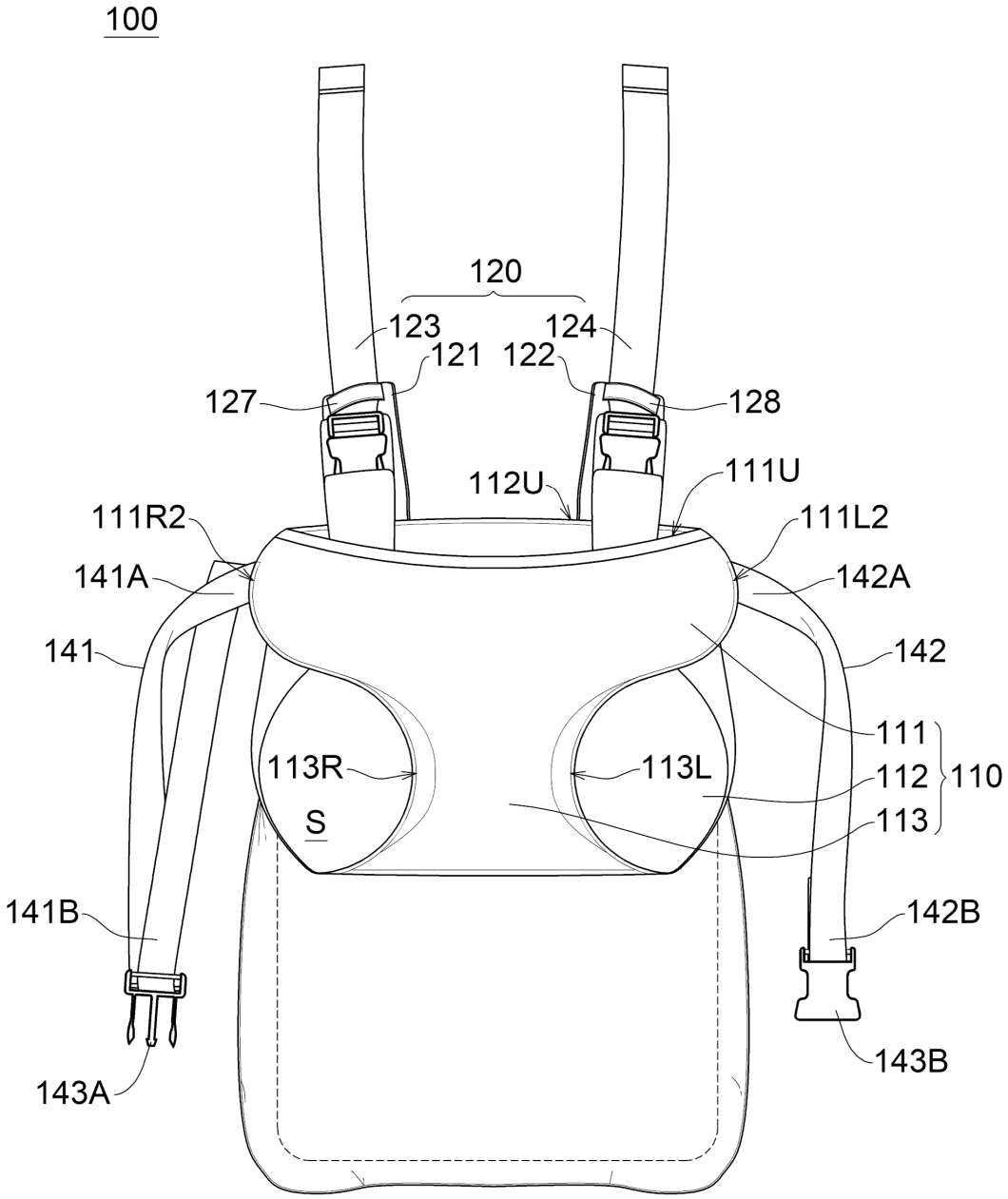

FIG. 1A

2025226678 02 Sep 2025

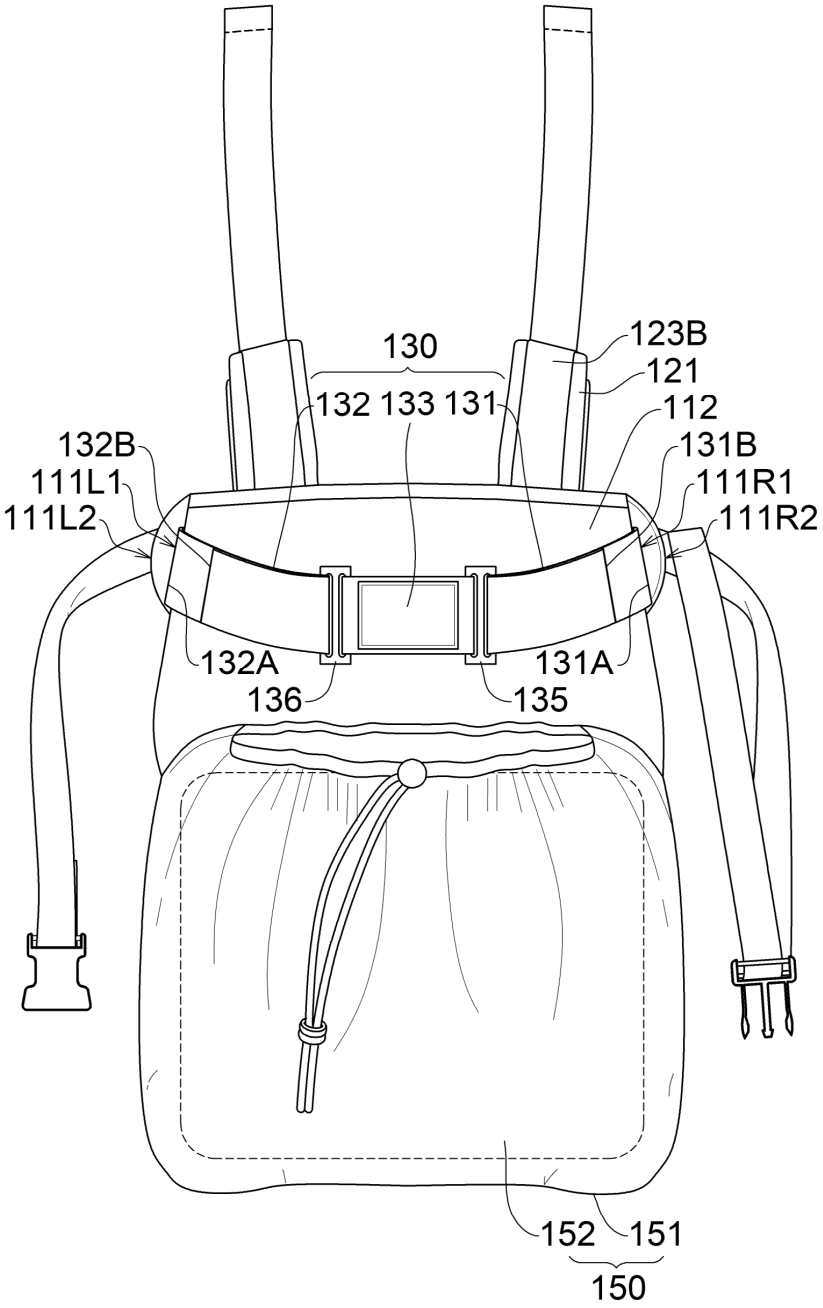

FIG. 1B

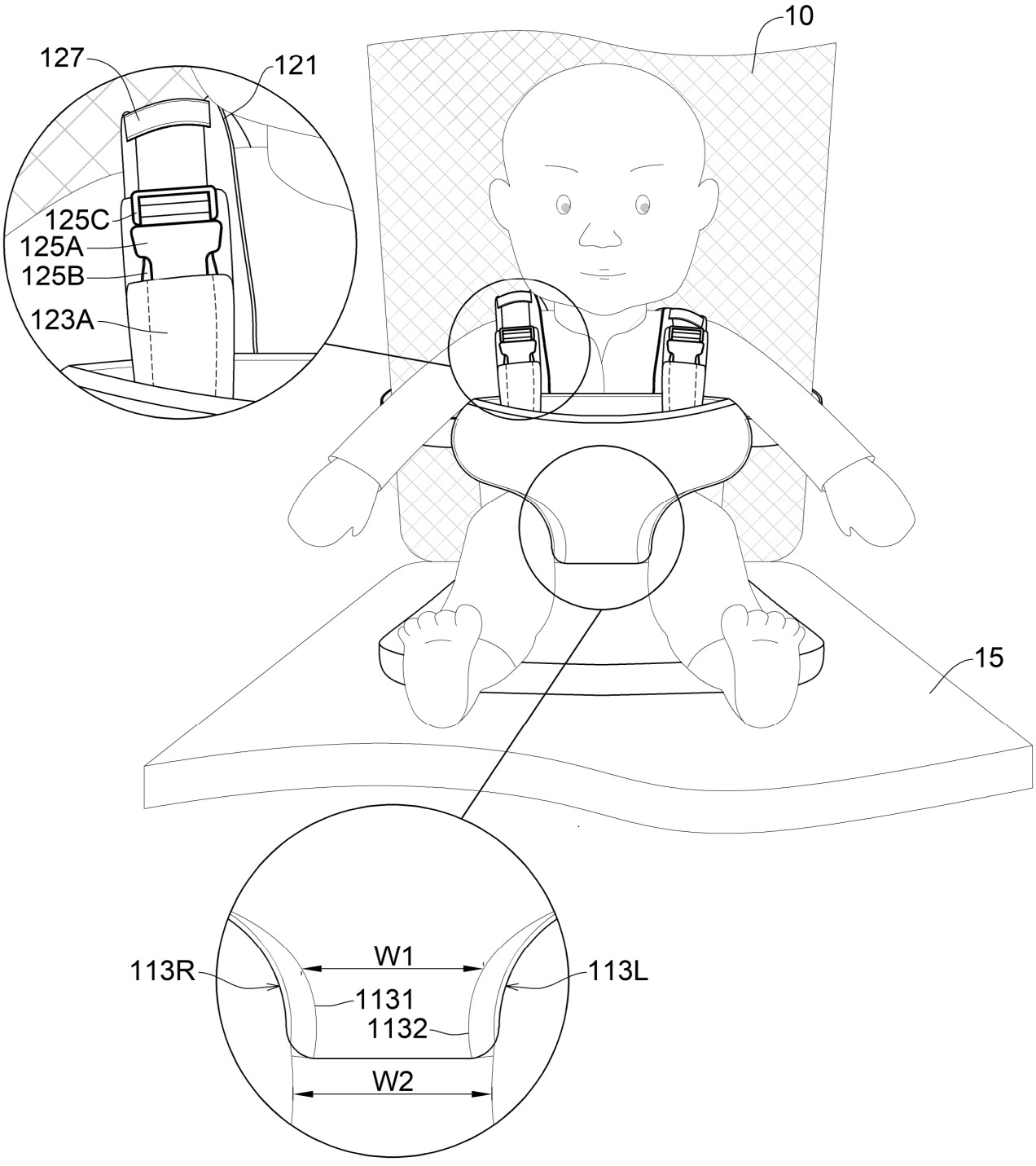

FIG. 1C

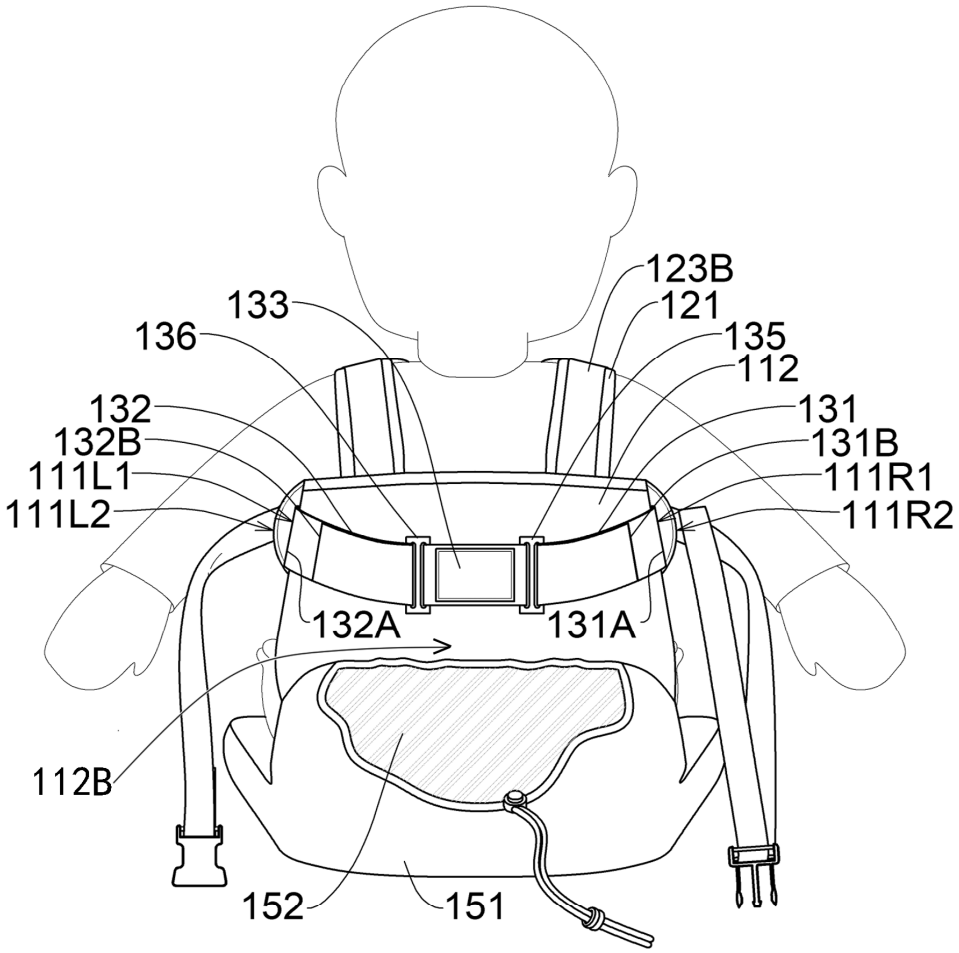
123B
121
135
112
131
131B
111R1
111R2
133
136
132
132B
111L1
111L2
132A
131A
112B
152
151

FIG. 1D

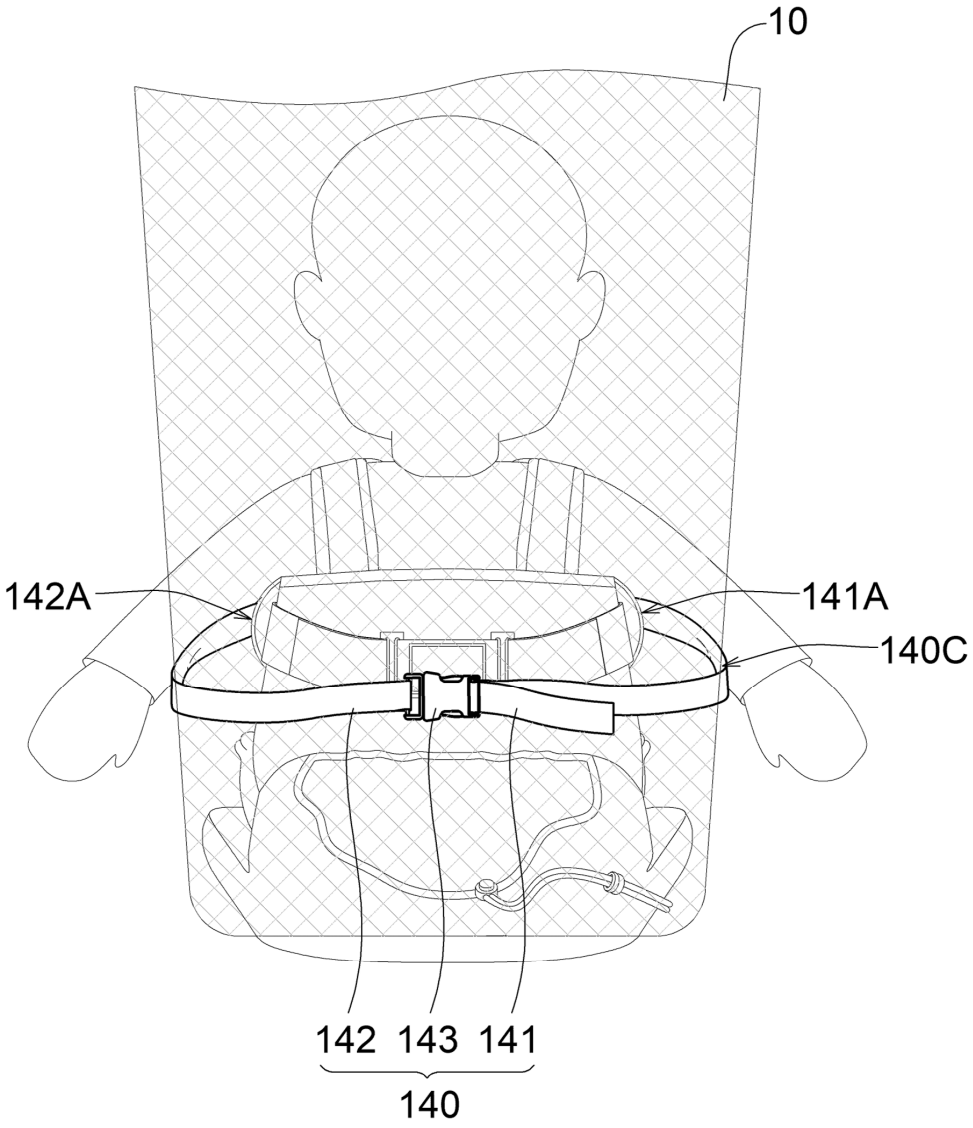

FIG. 1E

2025226678 02 Sep 2025

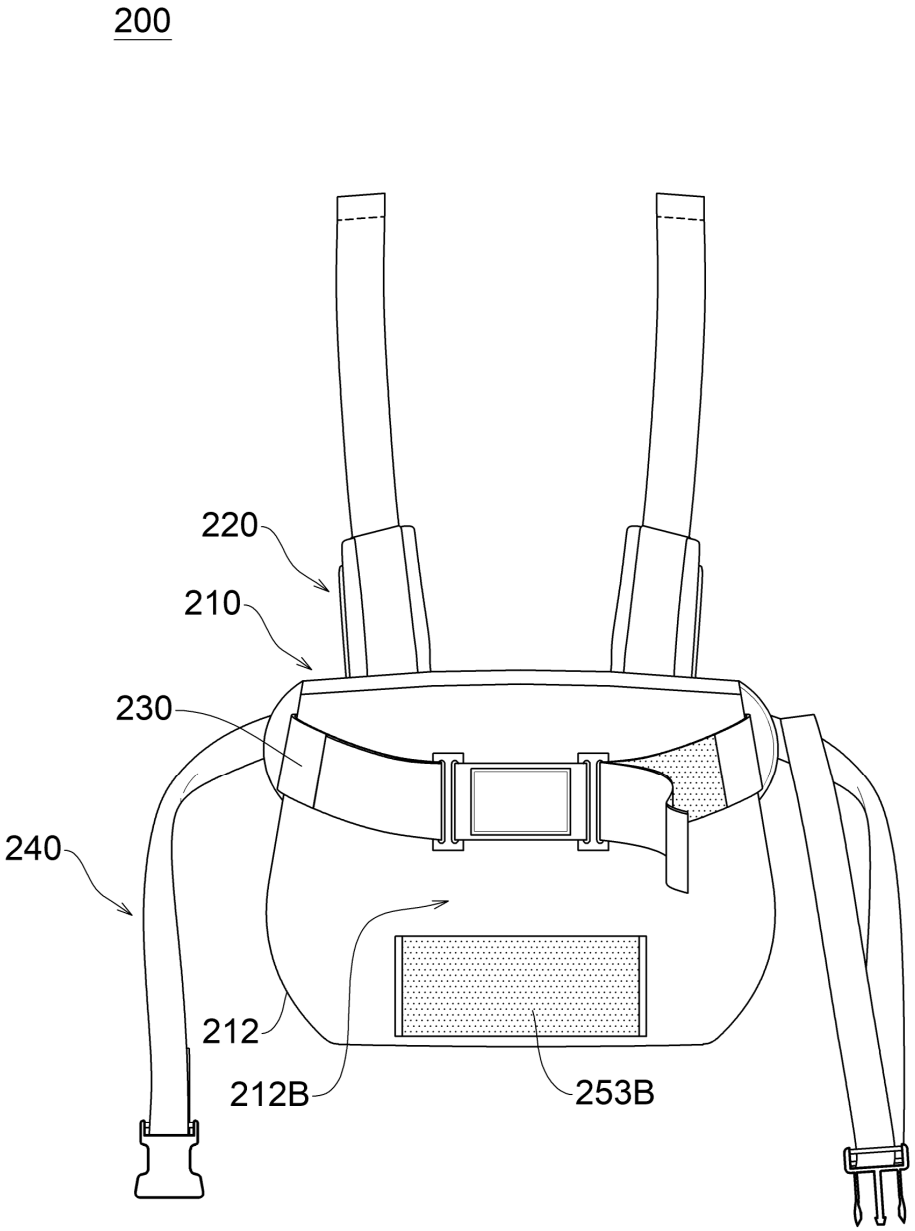

FIG. 2A

2025226678 02 Sep 2025

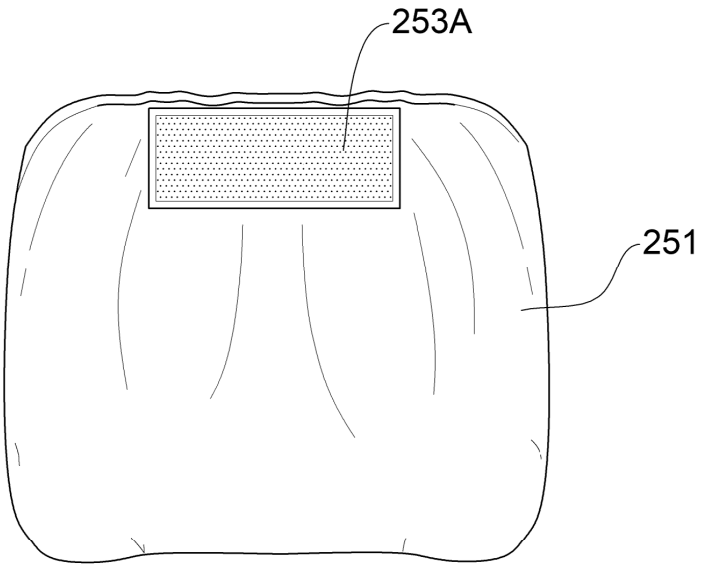

FIG. 2B

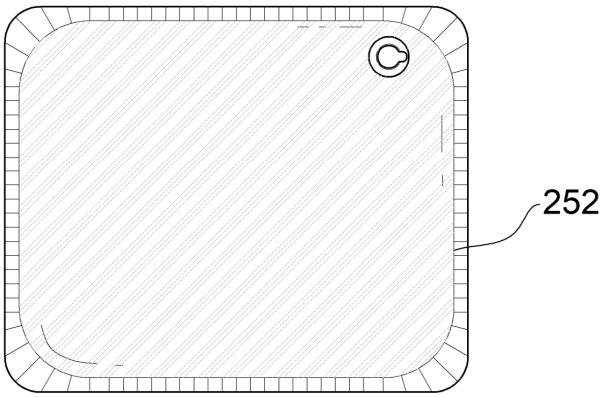

FIG. 2C

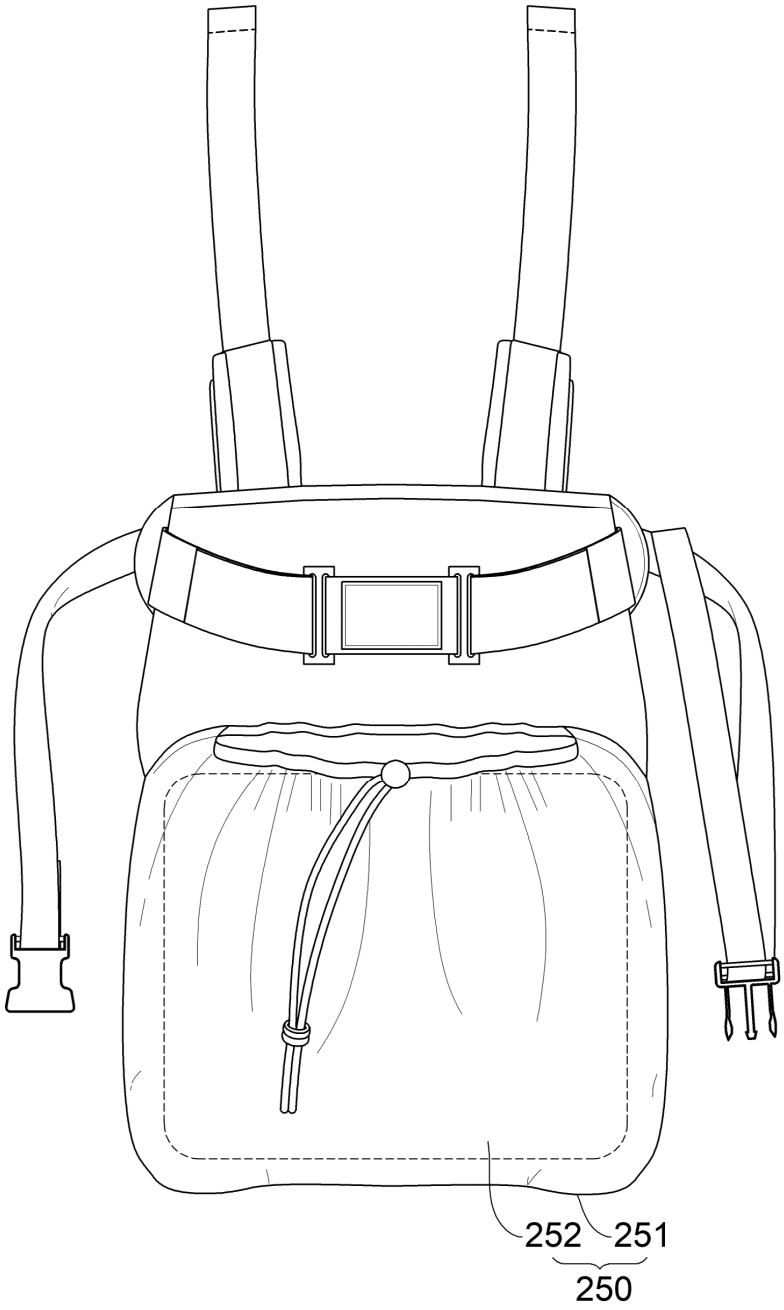

FIG. 2D

2025226678 02 Sep 2025

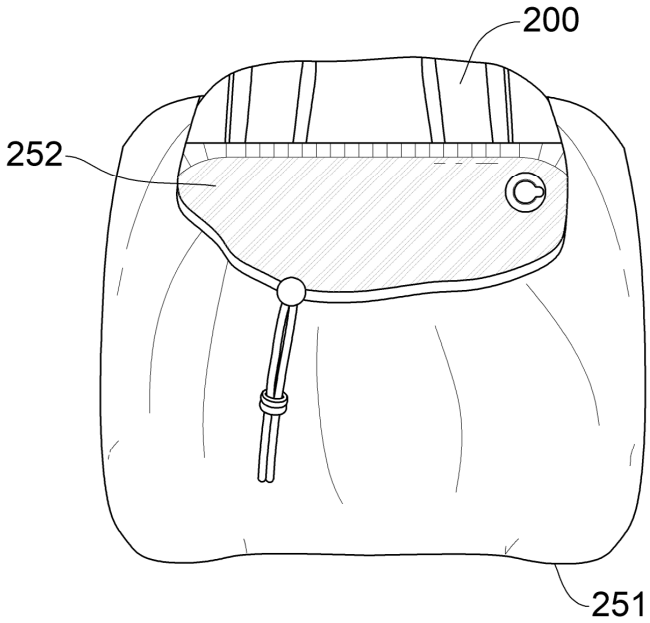

FIG. 2E

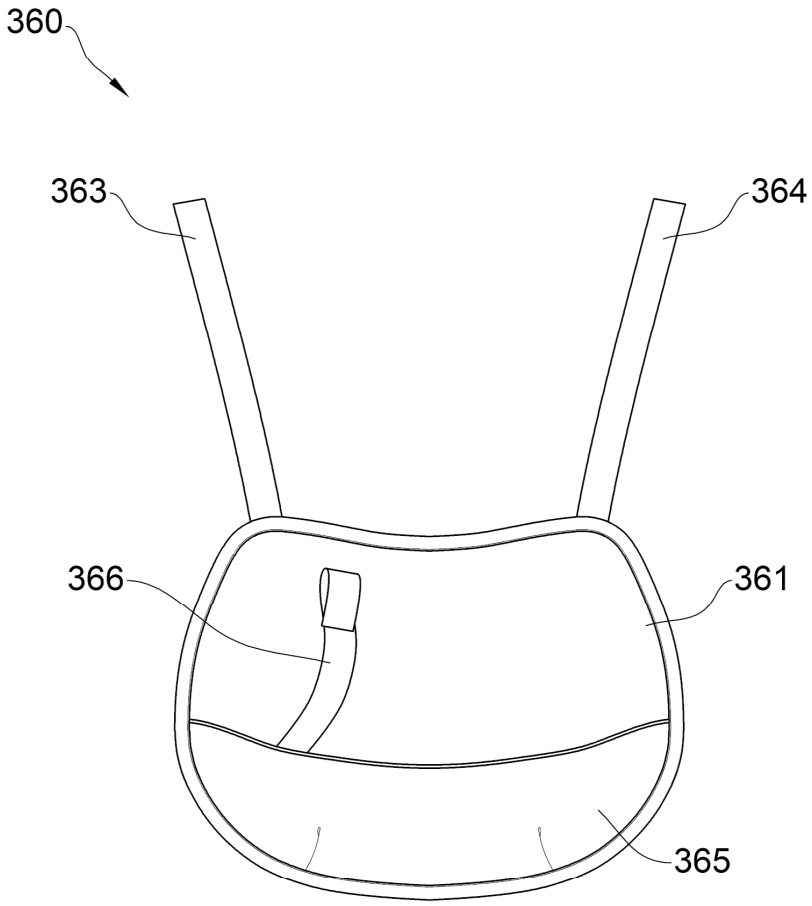

FIG. 3A

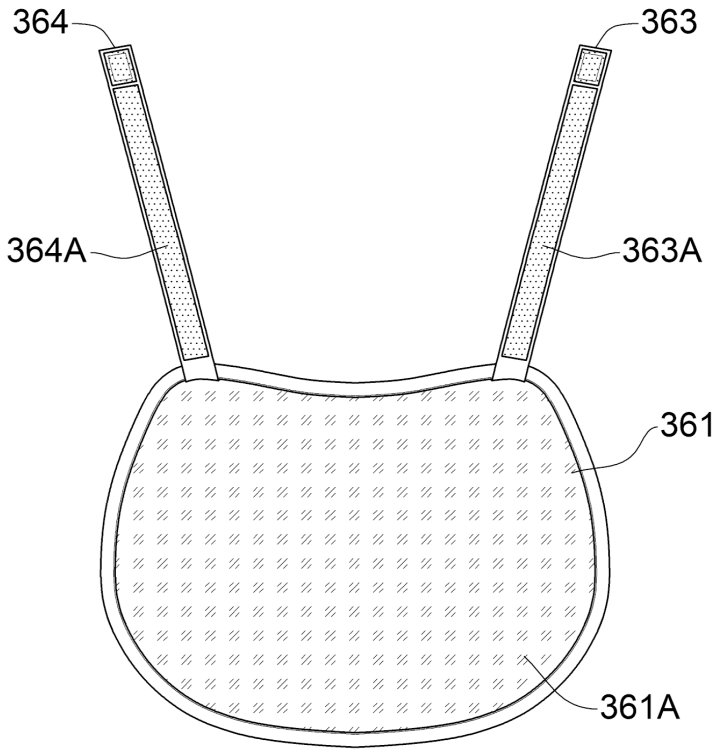

FIG. 3B

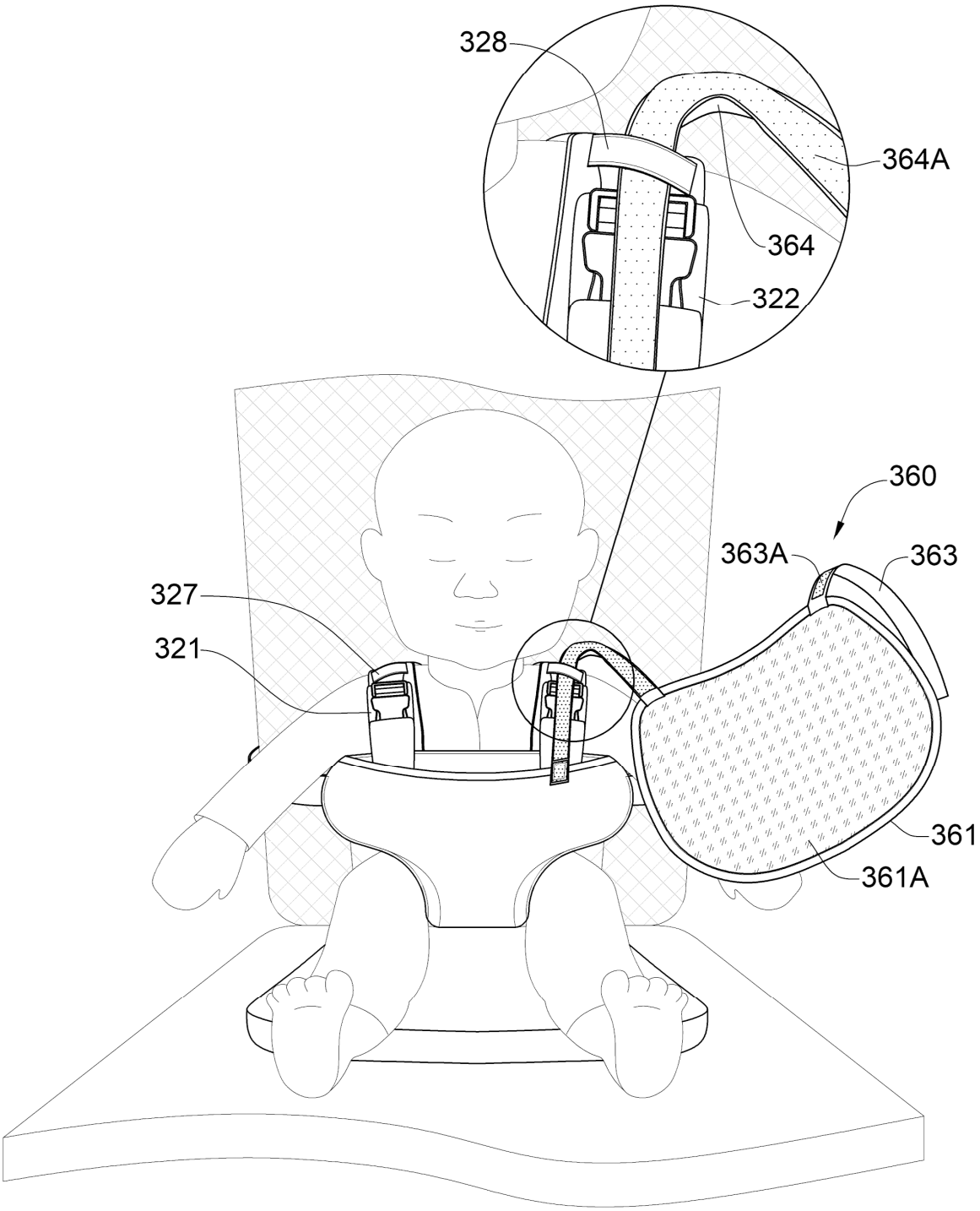

FIG. 3C

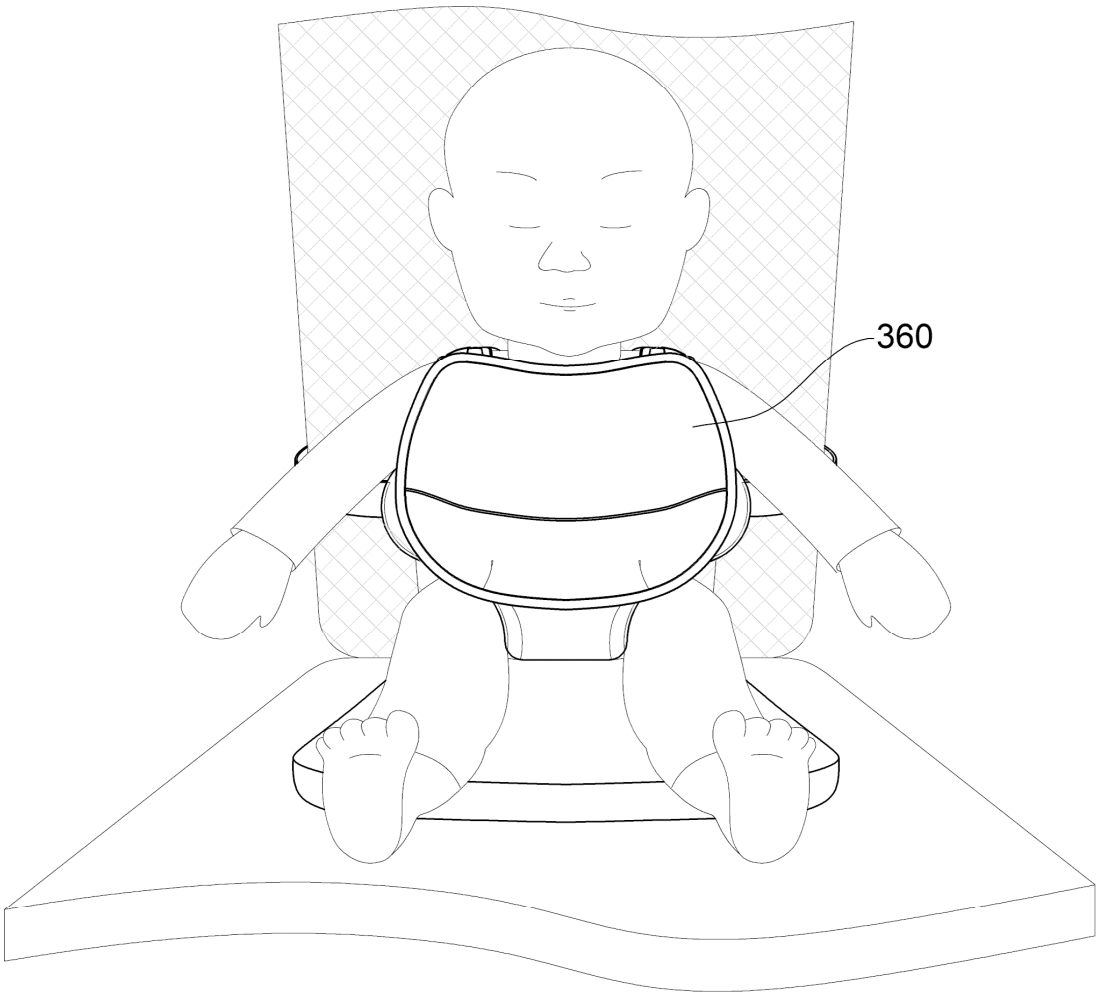

FIG. 3D