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REMOVABLE SEAT ATTACHMENT FOR A STROLLER

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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U.S. PROVISIONAL PATENT APPLICATION

FOR

REMOVABLE SEAT ATTACHMENT FOR A STROLLER

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REMOVABLE SEAT ATTACHMENT FOR A STROLLER

TECHNICAL FIELD

Embodiments disclosed herein are generally related to children's stroller systems and more particularly to apparatuses and methods for a removable seat attachment for a stroller that is capable of supporting a seat including, but not limited to, a stroller seat, a baby seat, a bassinet, a pram, a car seat, or a baby carrier.

BACKGROUND

Parents or guardians with multiple young children may have difficulty transporting their children from place to place. Children are slow, easily distracted and, therefore, may lag behind. In response, many parents and/or guardians have purchased double seat strollers allowing the parent or guardian to push two children simultaneously and thus allow them to more efficiently run errands, take walks, or jog. As such, a double seat stroller allows the parent or guardian with multiple young children more freedom than they would have with only a single seat stroller.

However, permanently fixed double seat strollers also have certain disadvantages. Double seat strollers are substantially larger (wider and/or longer) than single seat strollers and are, therefore, more difficult to maneuver through doorways and down aisles in stores. While, the benefits of being able to accommodate two children at one time in a double seat stroller typically offset these disadvantages, when the parent or guardian has only one child with them, the benefits of the double seat stroller are not realized but the disadvantages still exist.

Stroller manufacturers have attempted to solve this problem by providing an adjustable stroller that can be modified from having a single seat to having two seats by providing attachments that provide a second seat for the second child that hangs under and slightly behind the seat of the single seat stroller. In other embodiments, the second seat can be attached to a seat attachment placed further forward in the stroller. The current attachment mechanisms can suffer from several drawbacks. These drawbacks include being permanently affixed to the stroller frame and taking up unnecessary space or creating a safety hazard for children not in the stroller when the second seat is not

attached to the stroller. In addition, the covers for the seat attachments, for covering a portion of the seat attachment mechanism when not in use, are detachable and can be easily lost when the seat attachment is in use.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

For a more complete understanding of the present disclosure and certain features thereof, reference is now made to the following description, in conjunction with the accompanying figures briefly described as follows:

Figures 1A-H present multiple views of a stroller apparatus capable of being converted from a single seat stroller to a double seat stroller through the use of removable seat attachment adapters according to one example embodiment of the disclosure.

Figure 2 is a partial perspective view of the stroller showing the seat attachment housing according to one example embodiment of the disclosure.

Figure 3 is a partial perspective view of the seat attachment housing according to one example embodiment of the disclosure.

Figures 4A-C are partial perspective views of the removable seat attachment adapter removably coupled to the seat attachment housing according to one example embodiment of the disclosure.

Figures 5A-C are partial perspective views of an alternative embodiment of the seat attachment housing according to another example embodiment of the disclosure.

DETAILED DESCRIPTION OF THE EXAMPLE EMBODIMENTS

Example embodiments of the invention now will be described more fully hereinafter with reference to the accompanying drawings, in which example embodiments are shown. The concept disclosed herein may, however, be embodied in many different forms and should not be construed as limited to the exemplary embodiments set forth herein; rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art. Like numbers refer to like, but not necessarily the same, elements throughout.

The example embodiments described herein and shown in the figures is described with reference to an infant or child's stroller that can be configured to adjust from a single seat stroller to a multi-seat stroller. While the example embodiments will generally be described with reference to adding or removing seats from the stroller, the reference to seats is for example purposes only, as the seat or portion that can be added or removed from the stroller can include, but is not limited to, a stroller seat, a baby seat, a bassinet, a pram, a car seat, or a baby carrier. Each of the stroller seat, baby seat, bassinet, pram, car seat, and/or baby carrier should individually be read as an alternative embodiment to the removable/added infant or child's stroller seat described below.

Certain dimensions and features of the example adjustable stroller are described herein using the term "approximately." As used herein, the term "approximately" indicates that each of the described dimensions is not a strict boundary or parameter and does not exclude functionally similar variations therefrom. Unless context or the description indicates otherwise, the use of the term "approximately" in connection with a numerical parameter indicates that the numerical parameter includes variations that, using mathematical and industrial principles accepted in the art (*e.g.*, rounding, measurement or other systematic errors, manufacturing tolerances, etc.), would not vary the least significant digit.

In addition, certain relationships between dimensions of the adjustable stroller and between features of the adjustable stroller are described herein using the term "substantially." As used herein, the terms "substantially" and "substantially equal" indicates that the equal relationship is not a strict relationship and does not exclude functionally similar variations therefrom. Unless context or the description indicates otherwise, the use of the term "substantially" or "substantially equal" in connection with two or more described dimensions indicates that the equal relationship between the dimensions includes variations that, using mathematical and industrial principles accepted in the art (*e.g.*, rounding, measurement or other systematic errors, manufacturing tolerances, etc.), would not vary the least significant digit of the dimensions. As used herein, the term "substantially constant" indicates that the constant relationship is not a strict relationship and does not exclude functionally similar variations therefrom. As used herein, the term "substantially parallel" indicates that the

parallel relationship is not a strict relationship and does not exclude functionally similar variations therefrom.

Figures 1A-H present multiple views of a stroller apparatus capable of being converted from a single seat stroller to a double seat stroller through the use of removable seat attachment adapters, according to one example embodiment of the disclosure. Referring now to Figures 1A-H, the example stroller apparatus 10 can include a stroller frame 11 capable of supporting one or more stroller seats 15, 16. In one example embodiment, the stroller frame 11 can made of one or more pieces fixedly coupled and/or removably coupled to one another. The stroller frame 11 can include portions that are hollow tubing and other portions that are solid core tubing and can be made from metal, plastic, or other materials known in the art.

In one example embodiment, the stroller frame 11 can include a pair of front wheel support frames 11a (only the left front wheel support frame is shown), a pair of back wheel support frames 11b (only the left back wheel support frame is shown), a pair of upper tube support frames 11c (only the left upper tube support frame is shown), a handle portion 11d having a first end coupled to the left upper tube support frame 11c and a distal second end coupled to the right upper tube support frame 11c, and foot rest support frame 11f having a first end coupled to the left front wheel support frame 11a (either directly or via the first seat attachment housing 205 discussed below in Figure 2) and a distal second end coupled to the right front wheel support frame 11a (either directly of via the second seat attachment housing 210 discussed below in Figure 2). In certain example embodiments, each front wheel support frame 11a can be fixedly coupled or rotatably coupled to its corresponding upper tube support frame 11c. Further, in certain example embodiments, the left upper tube support frame 11c, handle 11d, and right upper tube support frame 11c can be made from a single unitary piece of material, such as a single piece of bent, hollow-core metal or plastic tubing. Alternatively, each of the left upper tube support frame 11c, handle 11d, and right upper tube support frame 11c can be separate pieces of the same or different material that are coupled to one another.

The exemplary stroller frame 11 can also include a pair of folding mechanisms 11e (only the left folding mechanism is shown). In one example, each folding mechanism 11e can be coupled, either directly or indirectly to the corresponding front

wheel support frame 11a, back wheel support frame 11b, and upper tube support frame 11c on the corresponding side (left and right) of the stroller 10. In certain example embodiments, one or more of the corresponding front wheel support frame 11a, back wheel support frame 11b, and upper tube support frame 11c are rotatably coupled and rotatably adjustable about one or more axes defined through the folding mechanism 11e. As such, in certain example embodiments, the folding mechanism 11e allows the stroller 10 to be folded into a more compact size for storing or transportation. Figure 1B shows the stroller 10 in a folded configuration.

The example stroller 10 can also include at least one front wheel 12 coupled directly or indirectly (e.g., via one of the seat attachment housings 205, 210, as shown in Figure 2) to the stroller frame 11. Figure 1B presents an example embodiment wherein the stroller 10 can include two front wheels 12, one front wheel 12 being coupled to the stroller 10 adjacent the left front wheel support frame 11a and the second front wheel 12 being coupled to the stroller 10 adjacent the right front wheel support frame 11a. The example stroller 10 can also include at least one rear wheel 13 coupled directly or indirectly to the stroller frame 11 (e.g., a corresponding back wheel support frame 11b). Figure 1B presents an example embodiment wherein the stroller 10 can include two back wheels 13, one back wheel 13 being coupled to the left back wheel support frame 11b and the second back wheel 13 coupled to the right back wheel support frame 11b.

The stroller 10 can also include a first stroller seat 16 either fixedly or removably coupled to the stroller frame 11. For example, the first stroller seat 16 can include a left connector on the left side of the first stroller seat 16 and a right connector on the right side of the first stroller seat 16 to removably couple and decouple the first stroller seat from the stroller frame 11. In one example, each of the left connector and right connector can be cavities in the first stroller seat 16 and can be configured to receive at least a portion of a corresponding seat attachment adapter (e.g., a bayonet connector) therein. In another example embodiment, the left connector and the right connector can each be tabs or slots that are configured to be coupled to corresponding slots or tabs along the stroller frame 11.

The stroller 10 can also include a removable seat attachment adapter 14 that is removably coupled to the frame 11 such that the seat attachment adapter 14 can be

decoupled from the frame 11 and stored when a second stroller seat is not being used with the stroller 10. In one example embodiment, each removable seat attachment adapters can be coupled to the frame by coupling the adapter 14 into a seat attachment housing disposed along the frame 11. In one example, the seat attachment housing (such as that described in Figures 2-5C below) can be integrally formed with all or a portion of the stroller frame (e.g., integrally formed with front wheel support frame 11a). Alternatively, the seat attachment housing can be a separate apparatus that is coupled to the frame 11 or incorporated into the frame 11 by coupling multiple pieces of the frame 11 together. The frame 11 and each seat attachment housing can be made from the same or different materials, including, metals and plastics.

Though it cannot be seen in the side view of Figure 1A, a typical embodiment of the stroller 10 will include at least two removable seat attachment adapters 14 (at least one along each left and right side of the stroller 10 along the stroller frame 11). For example, at least one removable seat attachment adapter can support each lateral side of the second stroller seat 15. In certain example embodiments, each of the removable seat attachment adapters 14 may be made up of one piece or multiple parts. The removable seat attachment adapters 14 may be of any design capable of securely supporting a seat on the stroller. In one example, the removable seat attachment adapter 14 is configured to have a first end that removably coupled to the frame 11 and/or seat attachment housing and a distal second end that is configured to be removably coupled to a second stroller seat 15. The removable seat attachment adapter 14 is designed to be capable of supporting the second stroller seat 15 in front of the first stroller seat 16. The stroller 10 may also include a storage basket 17.

In certain examples, each of the removable seat attachment adapters 14 removably couples to the second stroller seat 15 at a vertical height that is substantially below the vertical height that the first stroller seat 16 attaches to the stroller frame 11, thereby positioning the second stroller seat 15 at a vertical position that is substantially below the vertical position of the first stroller seat 16 when both the first stroller seat 16 and the second stroller seat 15 are coupled to the stroller 10. The difference in vertical positioning of the second stroller seat 15 as compared to the first stroller seat 16 provides improved access to the first stroller seat 16 from the front of the stroller 10 when both

stroller seats 15, 16 are coupled to the stroller 10. Further, in certain example embodiments, the front stroller seat 15 can be positioned substantially over the front wheels 12 so that the stroller 10 remains stable. For example, the second stroller seat 15 can be located substantially over the front wheels 12 and the first stroller seat 16 can be located substantially over the rear wheels 13. In addition, the seats 15, 16 can be positioned such that the center of gravity of the stroller 10 is between the front 12 and rear 13 wheels.

In certain example embodiments, the removable seat attachment adapter 14 is capable of supporting a second stroller seat 15 such that a child in the second stroller seat 15 is substantially above the frame 11 of the stroller 10 that is substantially adjacent to the connection point of the second stroller seat 15. This positioning of the second stroller seat 15 with respect to the frame 11 provides easier access to the second stroller seat 15, does not block access to the storage basket 17, allows more versatile configurations of the seats 15, 16, allows more variety of seats 15, 16 to be attached to the frame 11, and allows the parent or guardian to more easily monitor and see the child in each stroller seat 15, 16.

The example stroller of Figure 1A can also include the first stroller seat 16. In certain example embodiments, the first stroller seat 16 can be located generally closer to the handle portion 11d than to the front wheels 12. The first stroller seat 16 may be fixedly coupled or removably coupled to the frame 11. In certain example embodiments wherein the first stroller seat 16 is removably coupled to frame 11, the first stroller seat 16 may be adjustable from a forward-facing configuration to a rearward-facing configuration and vice-versa, as shown, for example, in Figures 1B-1C. In addition, the second stroller seat 15, when coupled to the corresponding removable seat attachment adapters 14, can be adjustable from a forward-facing configuration to a rearward-facing configuration and vice-versa.

Figures 1C-1G present additional examples of combinations for a variety of types of stroller seats that can be removably coupled to the stroller 10. For example, in Figure 1D, the second stroller seat 16 can be replaced by an infant carrier 23 that can be removably coupled to each of the at least two removable seat attachment adapters 14 and the first stroller seat 16 can be coupled to the stroller in a forward-facing position. In

another example, as shown in Figure 1E, the first stroller seat 16 can be replaced by a child carrier 21 that may be coupled to the frame 11 and positioned in the first seat position and the second stroller seat 15 can be coupled to the stroller 10 by way of the at least two removable seat attachment adapters 14 in a rearward-facing position. In yet another example, as shown in Figure 1F, the child carrier 21, of Figure 1E, can be replaced with a pram 22 that is removably coupled to the stroller 11 in the first seat position. In still another example configuration, as shown in Figure 1G, two child carriers 23 may be removably coupled to the stroller frame 11. For example, the front child carrier can be coupled to the stroller by way of each of the at least two removable seat attachment adapters 14. In another example configuration, one of the child carriers 23 may be replaced with a pram or bassinet 22, as shown in Figure 1H.

In certain example embodiments, the stroller 10 may also include a second set of removable seat attachment adapters 19 removably coupled to the frame 11 (or another pair of seat attachment housings substantially similar to those 205, 210 described below) along the upper tube support frame 11c. The second set of removable seat attachment adapters 19 may be substantially the same as or exactly the same as the removable seat attachment adapters 14 described herein and may be coupled to the frame 11 (or corresponding seat attachment housings) in substantially the same manner as the removable seat attachment adapters 14, as discussed in more detail below. The second set of removable seat attachment adapters 19 can include at least two adapters (at least one along each left and right side of the stroller 10) for removably coupling and decoupling the first stroller seat 16 or any other form of seat described herein to the stroller frame 11 or corresponding seat attachment housing.

Figure 2 is a partial perspective view of the stroller 10 showing a seat attachment housing 205 according to one example embodiment of the disclosure. Referring now to Figures 1A and 2, the example stroller 10 can include a first seat attachment housing 205 and the second seat attachment housing 210. The first seat attachment housing 205 can include a first end 205a having a cavity for slidably receiving and fixedly or slidably coupling the first end 205a to a first end of the left front wheel support frame 11a. For example, the left front wheel support frame 11a can have a substantially circular or oval cross-section and the cavity of the first end 205a can have a corresponding circular or

oval cross-section to slidably receive a portion of the left front wheel support frame 11a into the cavity. In one example, the left front wheel support frame 11a can be held in the cavity of the first end 205a by a press fit hold. Alternatively, a spring-loaded button on the left front wheel support frame 11a can be positioned into a corresponding opening along one of the sides of the first seat attachment housing 205.

The first seat attachment housing 205 can also include a second end 205b that includes a second cavity for coupling one of the front wheels 12 to the first seat attachment housing 205. The wheel 12 may be removably coupled to the second end 205b of the first seat attachment housing 205 by a press fit hold. Alternatively, a spring-loaded button 12a on the front wheel apparatus 12 can be positioned into the cavity of the second end 205b and positioned into a corresponding opening 215 along one of the sides of the first seat attachment housing 205. In one example embodiment, the first seat attachment housing 205 can include an attachment arm 220 extending off of one side of the first seat attachment housing 205 in a generally orthogonal direction to the longitudinal axis of the housing 205. The attachment arm 220 can include a free end 205c that includes a cavity for receiving therein and fixedly coupling or slidably coupling the first seat attachment housing 205 to a first end of the foot rest support frame 11f. The foot rest support frame 11f may be removably coupled to the free end 205c of the attachment arm 220 by a press fit hold. Alternatively, a spring-loaded button on the foot rest support frame 11f can be positioned into the cavity of the free end 205c and positioned into a corresponding opening along one of the sides of the attachment arm 220.

The second seat attachment housing 210 can include a first end 210a having a cavity for slidably receiving and fixedly or slidably coupling the first end 210a to a first end of the right front wheel support frame 11a. For example, the right front wheel support frame 11a can have a substantially circular or oval cross-section and the cavity of the first end 210a can have a corresponding circular or oval cross-section to slidably receive a portion of the right front wheel support frame 11a into the cavity. In one example, the right front wheel support frame 11a can be held in the cavity of the first end 210a by a press fit hold. Alternatively, a spring-loaded button on the right front wheel

support frame 11a can be positioned into a corresponding opening along one of the sides of the second seat attachment housing 210.

The second seat attachment housing 210 can also include a second end 210b that includes a second cavity for coupling one of the front wheels 12 to the second seat attachment housing 210. The wheel 12 may be removably coupled to the second end 210b of the second seat attachment housing 210 by a press fit hold. Alternatively, a spring-loaded button on the front wheel apparatus 12 can be positioned into the cavity of the second end 210b and positioned into a corresponding opening along one of the sides of the second seat attachment housing 210. In one example embodiment, the second seat attachment housing 210 can include an attachment arm 225 extending off of one side of the second seat attachment housing 210 in a generally orthogonal direction to the longitudinal axis of the housing 210. The attachment arm 225 can include a free end 210c that includes a cavity for receiving therein and fixedly coupling or slidably coupling the second seat attachment housing 210 to a second distal end of the foot rest support frame 11f. The second end of the foot rest support frame 11f may be removably coupled to the free end 210c of the attachment arm 225 by a press fit hold. Alternatively, a spring-loaded button on the foot rest support frame 11f can be positioned into the cavity of the free end 210c and positioned into a corresponding opening along one of the sides of the attachment arm 225.

In certain example embodiments, all or a portion of each of the seat attachment housings 205, 210 can be hollowed out with exterior sides. Each of the seat attachment housings 205, 210 can include an opening 230 positioned along a top side of the respective seat attachment housings 205, 210. The opening 230 can provide access to an adapter receiving cavity (see Figure 3) for receiving therein at least a portion of the removable seat attachment adapter 14 (see Figure 4A). Each seat attachment housing 205, 210 can also include a sliding door 235. The sliding door 235 is configured to be manually adjustable from a closed position to an open position by slidably opening the door 235 along the top side of the seat attachment housing 205, 210 to provide access to the opening 230 and adapter receiving cavity when the parent or guardian wants to insert and couple the removable seat attachment adapter 14 to the seat attachment housing 205, 210 and frame 11 in order to couple the second stroller seat 15 to the stroller 10. In one

example, each seat attachment housing 205, 210 can include one or more rails either disposed above or below a top surface of the seat attachment housing 205, 210 that provide a guide way for slidably opening and closing the door 235. In one example, the door 235 can include a tab 240 extending upward from a top surface of the door 235 to provide a gripping area to grip the door 235 and slide it open and closed. For example, a parent or guardian can use a finger against the tab 240 and apply pressure against the tab 240 to open the door 235 from a closed configuration to an open configuration.

The sliding door 235 is also configured to be manually adjustable from an open configuration to a closed configuration by slidably closing the door 235 along the top side of the seat attachment housing 205, 210 to prevent access to the opening 230 and adapter receiving cavity when the second stroller seat 15 is not in use. In one example, the parent or guardian can press a finger against the tab 240 and apply pressure against the tab 240 to slide the door 235 from the open configuration to the closed configuration.

Figure 3 is a partial perspective view of one of the seat attachment housings 205, 210 according to one example embodiment of the disclosure. Referring now to Figures 1A, 2, and 3, the door 230 of the seat attachment housing 205, 210 is shown having been slid into the open configuration exposing the opening 230 and the adapter receiving cavity 305. The adapter receiving cavity 305 can have any size and shape for removably coupling a portion of a removable seat attachment adapter 14 therein. In one example embodiment, all or a portion of the cross-sectional shape of the adapter receiving cavity 305 can be keyed or have a keyed shape 310 and all or a portion of the removable seat attachment adapter 14 can have a corresponding outer perimeter shape such that the removable seat attachment adapter 14 can only be inserted into the adapter receiving cavity 305 in one, proper orientation.

Figures 4A-C are partial perspective views of the removable seat attachment adapter 14 coupled to the seat attachment housing 205 according to one example embodiment of the disclosure. Now referring to Figures 1A, 2, 3, and 4A-C, once the door 235 has been moved into the open configuration exposing the opening 230 and the adapter receiving cavity 305, a first end 14a of the removable seat attachment adapter 14 can be inserted into the adapter receiving cavity 305. In certain example embodiments, the adapter receiving cavity 305 can include one or more stop flanges 415, 420 that

extend out from an inner surface of the cavity 305 and into the cavity area to abut against a bottom side of the first end 14a of the removable seat attachment adapter 14 when the adapter 14 has penetrated a sufficient amount into the adapter receiving cavity 305. Once the adapter 14 is inserted into the cavity 305 and removably coupled to the seat attachment housing 205, a stroller seat can be removable coupled to a seat connector disposes on or adjacent to the second end 14b of the removable seat attachment adapter 14. The seat connector on the second end 14b can be a multipurpose general connector that allows different seats to be interchangeably connected to the removable seat attachment adapter 14. Any style seat may be configured to connect to the seat connector including, but not limited to, a stroller seat, a baby seat, a bassinet, a pram, a baby carrier, or a car seat, for example.

The removable seat attachment adapter 14 can also include a stop collar 435 disposed a predetermined distance up from the first end 14a of the adapter 14. In one example embodiment, the stop collar 435 is sized and shaped so that it will not fit into the opening 430 and will not fit into the adapter receiving cavity 305 as the first end 14a of the adapter 14 is being inserted into the adapter receiving cavity 305. The size and shape of the outer surface of the stop collar 435, being greater than that of the outer surface of the previous portion of the first end 14a inserted into the adapter receiving cavity 305 will contact and abut an outer surface of the seat attachment housing 205 when the adapter 14 has penetrated a sufficient amount into the adapter receiving cavity 305.

The removable seat attachment adapter 14 can also include a spring-loaded latching tab 405 disposed along one side of the adapter 14 between the first end 14a and the stop collar 435. In certain example embodiments, the spring-loaded latching tab 405 can be spring biased into an extended position (as shown in Figure 4B) via, for example, a spring (not shown). As the adapter 14 is first being inserted into the adapter receiving cavity 305, the width of the adapter 14 at the point of the spring-loaded latching tab 405, is greater than the width of the cavity 405, which causes one or more side walls of the cavity 305 to apply a force to the spring-loaded latching tab 405 and push it inward from the extended position towards a retracted position, thereby allowing the first end 14a of the adapter 14 to continue moving into the adapter receiving cavity 305. When the adapter 14 is inserted into the adapter receiving cavity 305 a sufficient distance (which

can be configurable based on the design specifics on the stroller), the spring-loaded latching tab 405 can be positioned adjacent a tab receiver 407. The tab receiver 407 can be a cut-out or opening along one of the side walls of the cavity 305 that allows the tab 405 to move back to the extended position. The tab receiver 407 can include a tab retainer surface 410 that abuts a top side of the tab 405 and prevents the removable seat attachment adapter 14 from being removed from the adapter receiving cavity 305 while the spring-loaded latch tab 405 is in the extended position.

The removable seat attachment adapter 14 can also include a tab release button 430 that is operatively coupled to and configured to move the spring-loaded latching tab 405 from the extended position to the retracted position via, for example, a guide wire 425 or other attachment mechanism. For example, when the removable seat attachment adapter 14 is latched into the seat attachment housing 205, a parent or guardian can grab the removable seat attachment adapter 14 and depress the tab release button 430, causing the guide wire to pull the spring-loaded latching tab 405 inward from the extended position to the retracted position with a force greater than the spring biasing force on the tab 405 and allowing the parent or guardian to remove the removable seat attachment adapter 14 from the adapter receiving cavity 305 using only a single hand. Thereby, the ease of decoupling the removable seat attachment adapter 14 from the stroller frame 11 is improved.

In addition, as shown in Figure 4B, in certain example embodiments, the bottom end of the adapter receiving cavity 305 and corresponding bottom end of the seat attachment housing 205 can be open 440 to the environment. Leaving the bottom side of the cavity 305 open 440 to the environment helps to prevent liquid and material build-up in the cavity 305 when the removable seat attachment adapter 14 is not coupled into the cavity 305 by allowing the liquid and materials to pass through the cavity 305 and out of the bottom of the seat attachment housing 205. This is especially beneficial when the parent or guardian removes the removable seat attachment adapter 14 from the cavity 305 but does slide the door 235 into the closed position to close up the opening 230.

Figures 5A-C are partial perspective views of an alternative embodiment of the seat attachment housing 505, 510 according to another example embodiment of the disclosure. Referring now to Figures 1A, 2 and 5A-C, the seat attachment housings 505,

510 are substantially the same as the seat attachment housings 205, 210 described in Figures 2-4C except for as described below. Therefore, the description of the seat attachment housings 205, 210 in Figures 2-4C above is incorporated herein for the alternative seat attachment housings 505, 510, except with regard to the distinctions described below.

Each seat attachment housing 505, 510 can include a rotating door 515 rotatably coupled to the seat attachment housing 505, 510. For example, the rotating door 515 can have a fixed end that is rotatably coupled to the top side of the seat attachment housing 505, 510 or an interior wall of the opening 230 or adapter receiving cavity 305 by way of or more hinges 520. Alternatively, other devices may be used to allow the door 515 to rotate from a closed configuration 515a to an open configuration 515b, as shown in Figure 5C. In certain example embodiments, the door 515 and/or the rotating mechanism or hinge 520 that the door 515 is coupled to can be spring-biased into the closed configuration 515a through the use of a spring or other biasing means. Spring-biasing the door 515 into a closed configuration 515a can help to prevent fluids and other material contaminants from entering the adapter receiving cavity 305 when the removable seat attachment adapter 14 is not coupled into the adapter receiving cavity 305.

When a parent or guardian wants to add a second stroller seat 15 to the stroller 10, they can insert the removable seat attachment adapter 14 into the adapter receiving cavity 305 by pressing or applying a force with the first end 14a of the removable seat attachment adapter 14 against the top side of the rotating door 515 with a force that is greater than the spring-biasing force. This will cause the door 515 to rotate from the closed configuration 515a towards the open configuration 515b and allow the first end 14a of the removable seat attachment adapter to enter into the adapter receiving cavity 305 and be coupled to the seat attachment housing 505, 510.

When the parent or guardian removes the removable seat attachment adapter 14, as described above with regard to Figures 4A-C, as the first end 14a of the removable seat attachment adapter 14 exits the adapter receiving cavity 305 and opening 230, the spring-bias of the hinge 520 or door 515 will cause the door 515 to automatically rotate from the open configuration 515b to the closed configuration 515a, thereby limiting

access to the opening 230 and the adapter receiving cavity 305 from the top side of the seat attachment housing 505, 510.

While the above description contains many specifics, these specifics should not be construed as limitations on the scope of the disclosure, but merely as exemplifications of the disclosed embodiments. Those skilled in the art will envision many other possible variations that are within the scope of the disclosure.

CLAIMS

What is claimed is:

1. A stroller, comprising:

a stroller frame;

a plurality of wheels;

a first seat coupled to the stroller frame;

a first seat attachment housing disposed along a first portion of the stroller frame;

a second seat attachment housing disposed along a second portion of the stroller frame;

a first removable seat attachment adapter configured to be removably coupled to the first seat attachment housing; and

a second removable seat attachment adapter configured to be removably coupled to the second seat attachment housing.

2. The stroller of claim 1, wherein each of the first seat attachment housing and the second seat attachment housing comprise:

an adapter receiving cavity configured to receive at least a portion of a respective one of the first and the second removable seat attachment adapters; and

a door disposed adjacent a top side of the respective seat attachment housing and configured to move from a closed configuration, preventing access to the adapter receiving cavity from the top side of the respective seat attachment adapter, to an open configuration allowing access to the adapter receiving cavity from the top side of the respective seat attachment adapter.

3. The stroller of claim 2, wherein the door is slidably coupled to the respective seat attachment housing and is configured to slide from the closed configuration to the open configuration.

4. The stroller of claim 3, wherein the door further comprises a tab member

disposed along a top side of the door and extending up from the top side of the door.

5. The stroller of claim 3, wherein the door further comprises an indentation disposed along a top surface of the door and configured to receive a portion of a finger therein to move the door from the closed configuration to the open configuration.

6. The stroller of claim 2, wherein the door is rotatably coupled to the respective seat attachment housing and wherein the door is configured to rotate from the closed configuration to the open configuration.

7. The stroller of claim 6, further comprising a hinge having a first portion coupled to the door and a second portion coupled to the respective seat attachment housing, wherein the hinge rotatably couples to door to the respective seat attachment housing.

8. The stroller of claim 6, wherein the door is spring-biased in the closed configuration.

9. The stroller of claim 2, wherein the adapter receiving cavity comprises:

a first open end; and

a distal second open end;

wherein the adapter receiving cavity provides a through-hole through the respective removable seat attachment adapter.

10. The stroller of claim 2, wherein the adapter receiving cavity comprises:

at least one side wall extending from a first end of the cavity to a distal send end of the cavity; and

at least one stop flange extending out from the at least one side wall into the cavity.

11. The stroller of claim 1, wherein each of the first removable seat

attachment adapter and the second removable seat attachment adapter comprises:

a first end;

a distal second end;

an outer surface; and

a latching tab disposed along the outer surface between the first end and the second end.

12. The stroller of claim 11, further comprising a manually adjustable tab release button disposed along the outer surface of the respective removable seat attachment adapter and operatively coupled to the latching tab, wherein the tab release button is configured to move the latching tab from an extended position to a retracted position when the tab release button is depressed.

13. The stroller of claim 11, wherein the latching tab is spring-biased into an extended position.

1145. The stroller of claim 11, wherein each of the first removable seat attachment adapter and the second removable seat attachment adapter further comprises a stop collar disposed between the first end and the distal second end, wherein an outer surface of the stop collar extends out from the outer surface of the respective removable seat attachment adapter.

15. The stroller of claim 14, wherein the latching tab is disposed between the stop collar and the first end of the respective removable seat attachment adapter.

16. The stroller of claim 1, wherein the first seat attachment housing is integrally formed with at least a portion of the stroller frame.

17. The stroller of claim 1, wherein the stroller frame is formed of a first material and the first seat attachment housing and the second seat attachment housing are formed of a second material.

18. The stroller of claim 1, wherein the first material and the second material are the same.

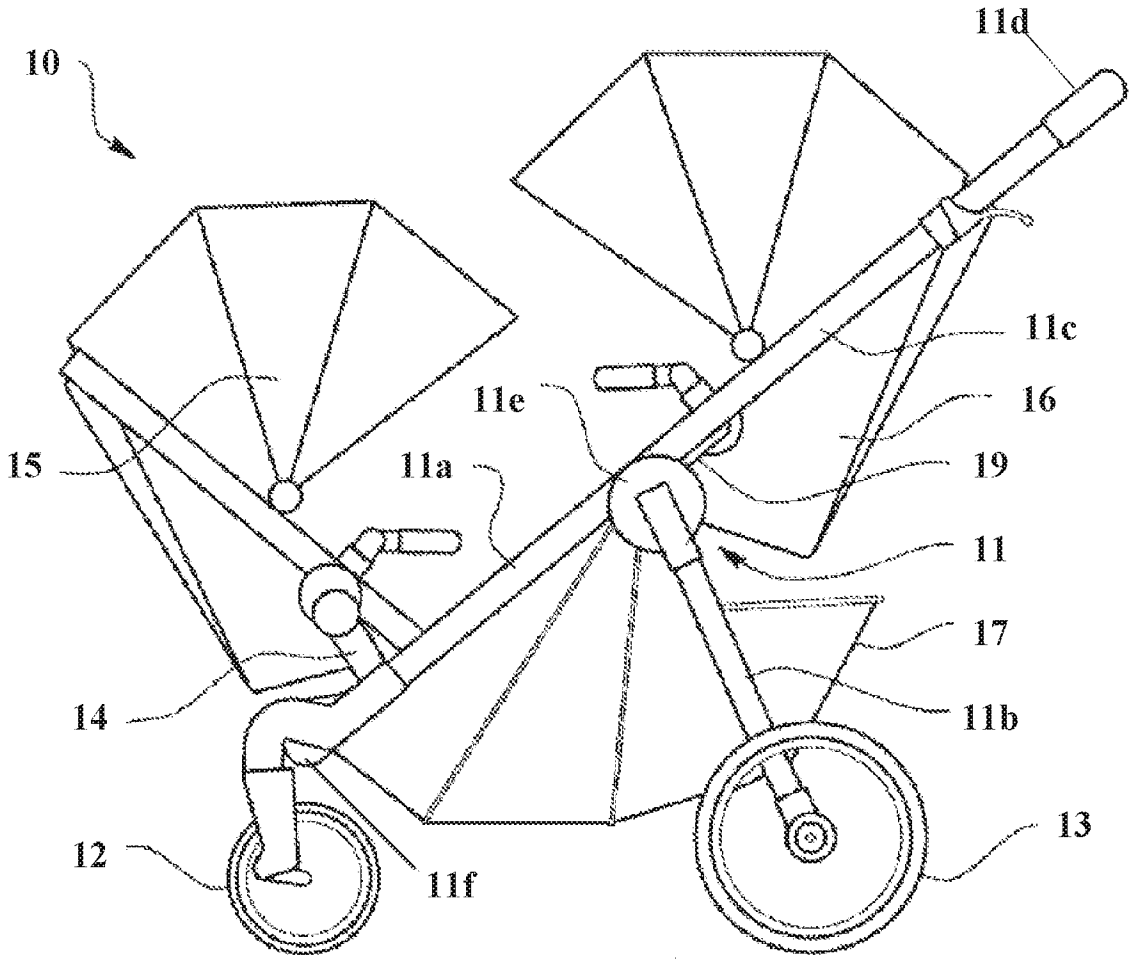


FIGURE 1A

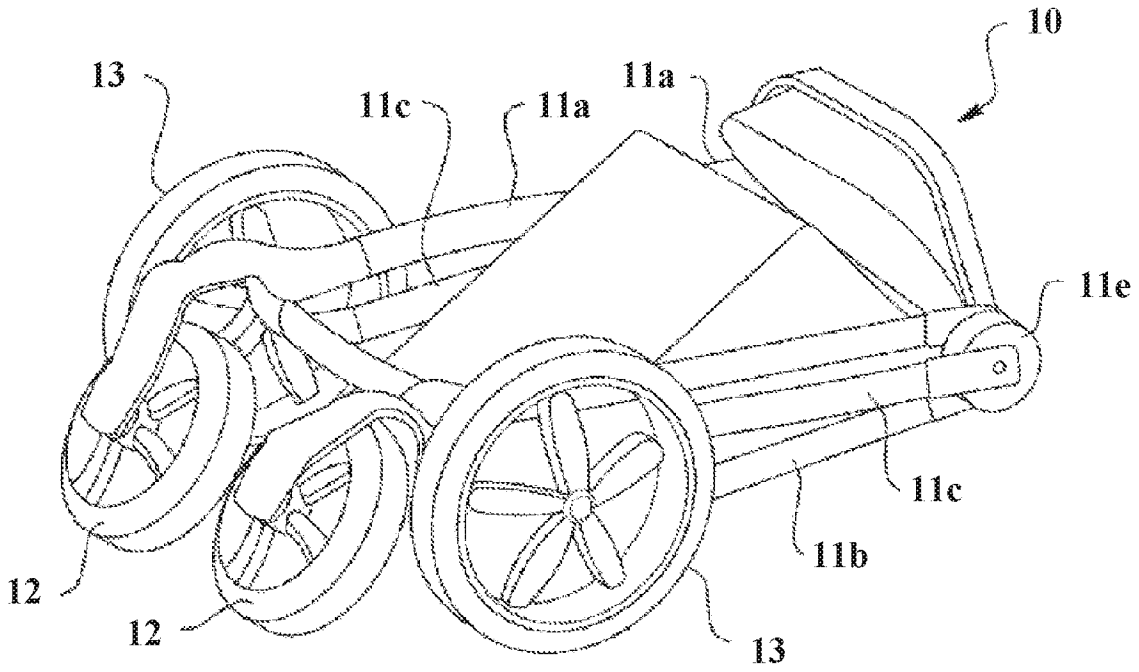


FIGURE 1B

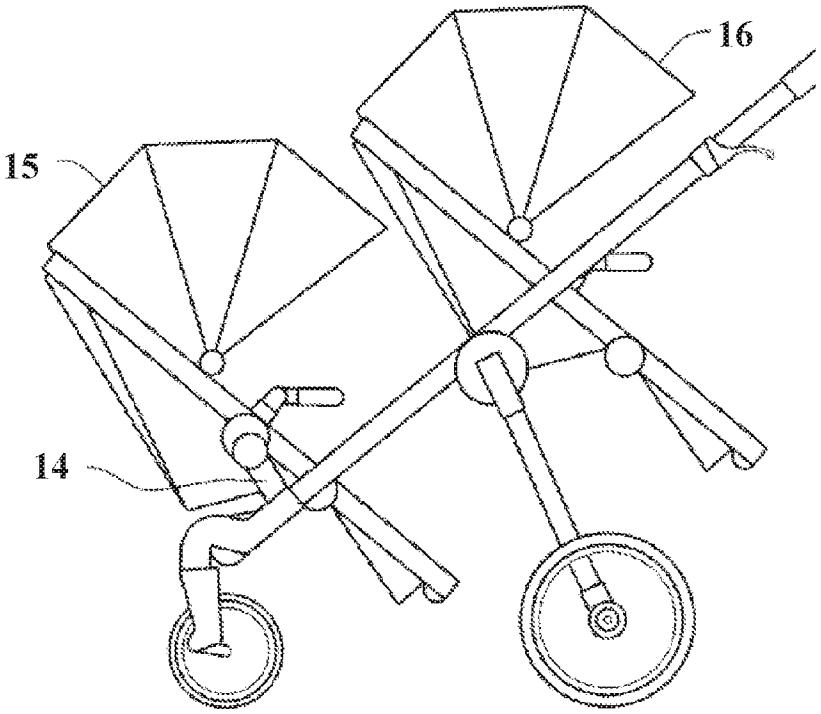
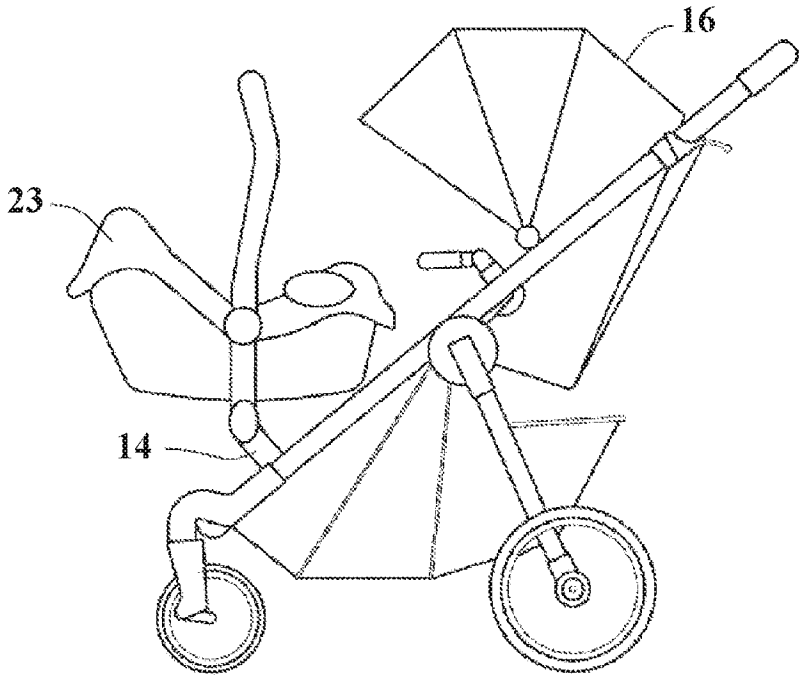


FIGURE 1C



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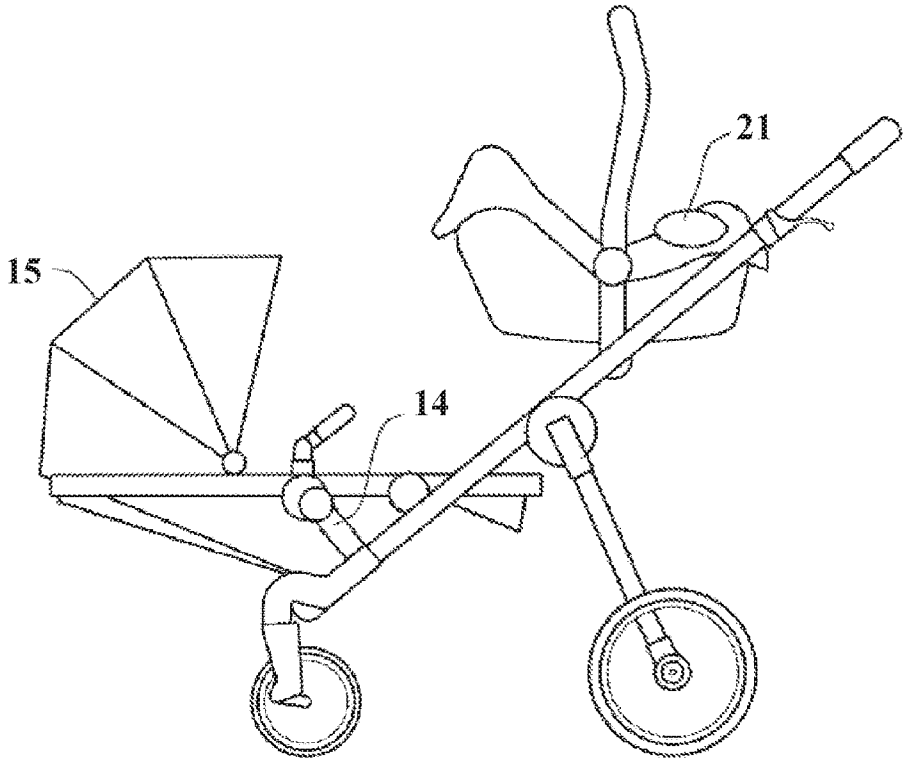
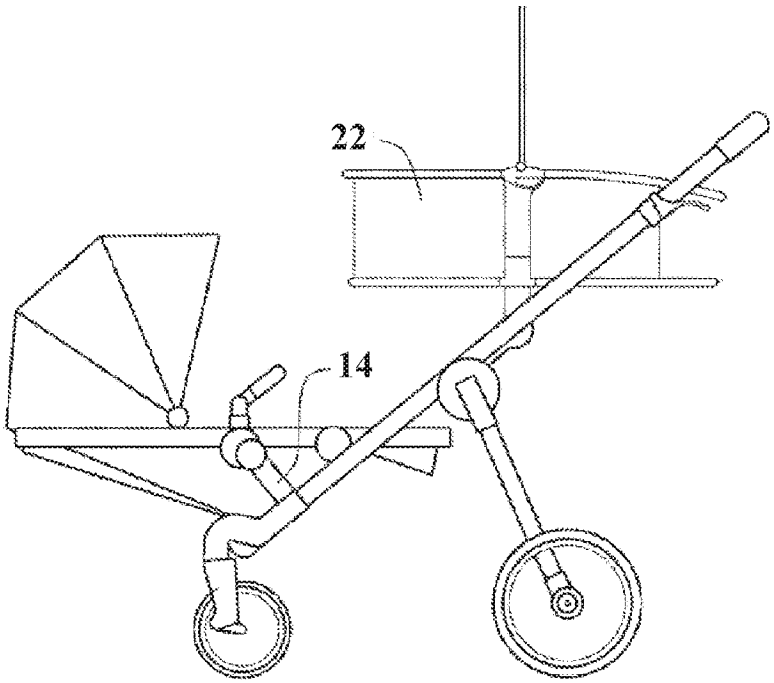


FIGURE 1E



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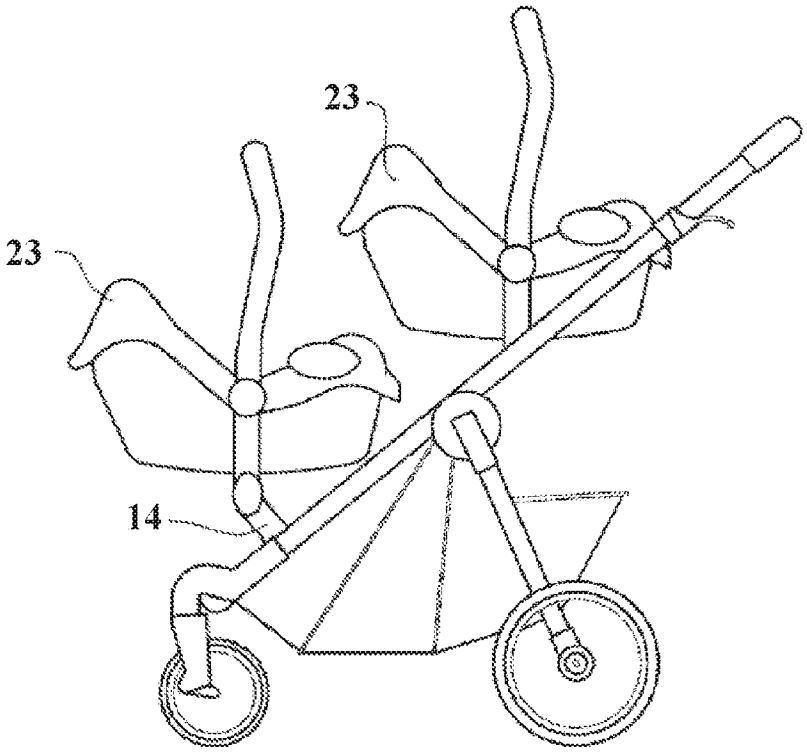


FIGURE 1G

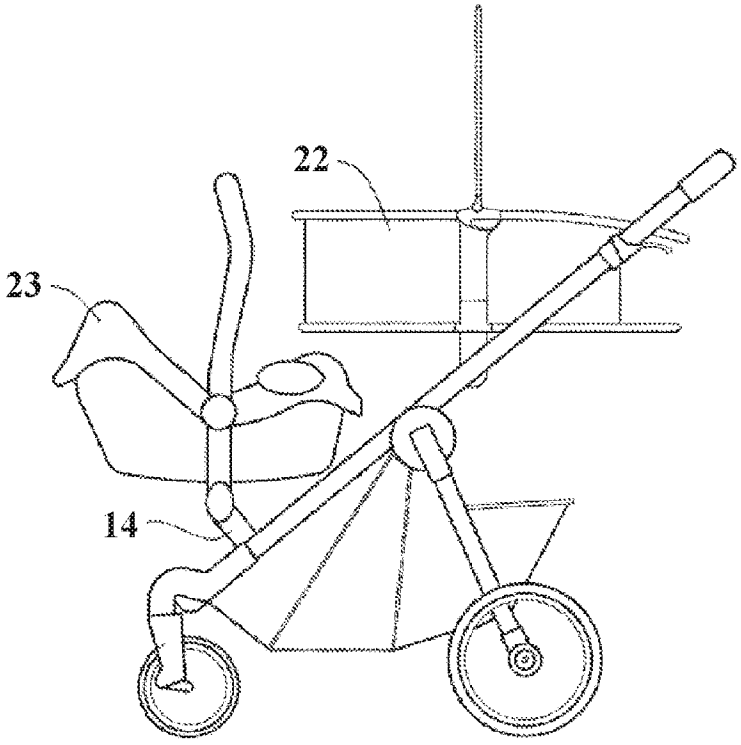
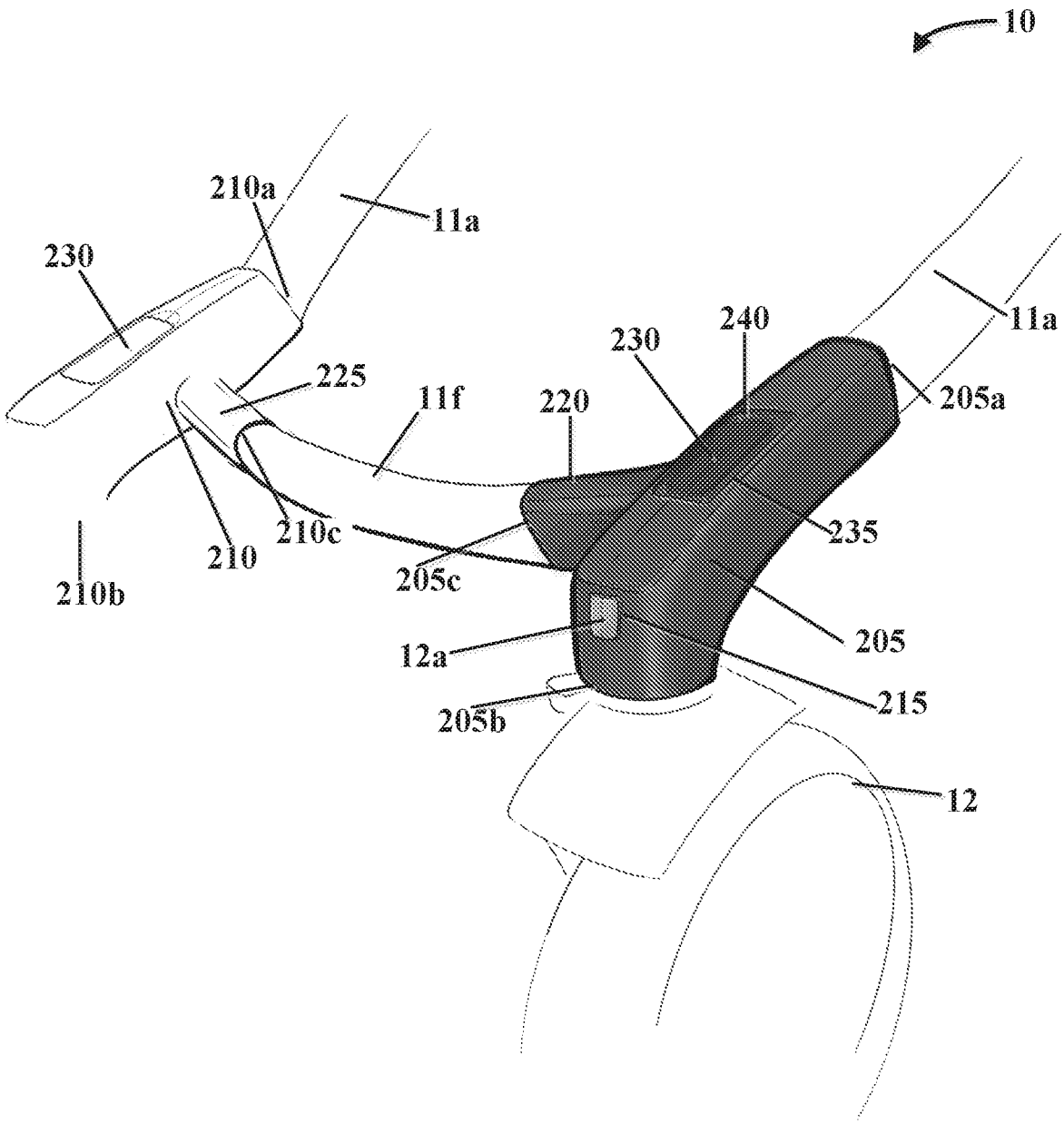


FIGURE 1H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210a
11a
230
225
11f
220
230
240
11a
205a
210c
210
210b
205c
235
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215
205b
12

FIGURE 2

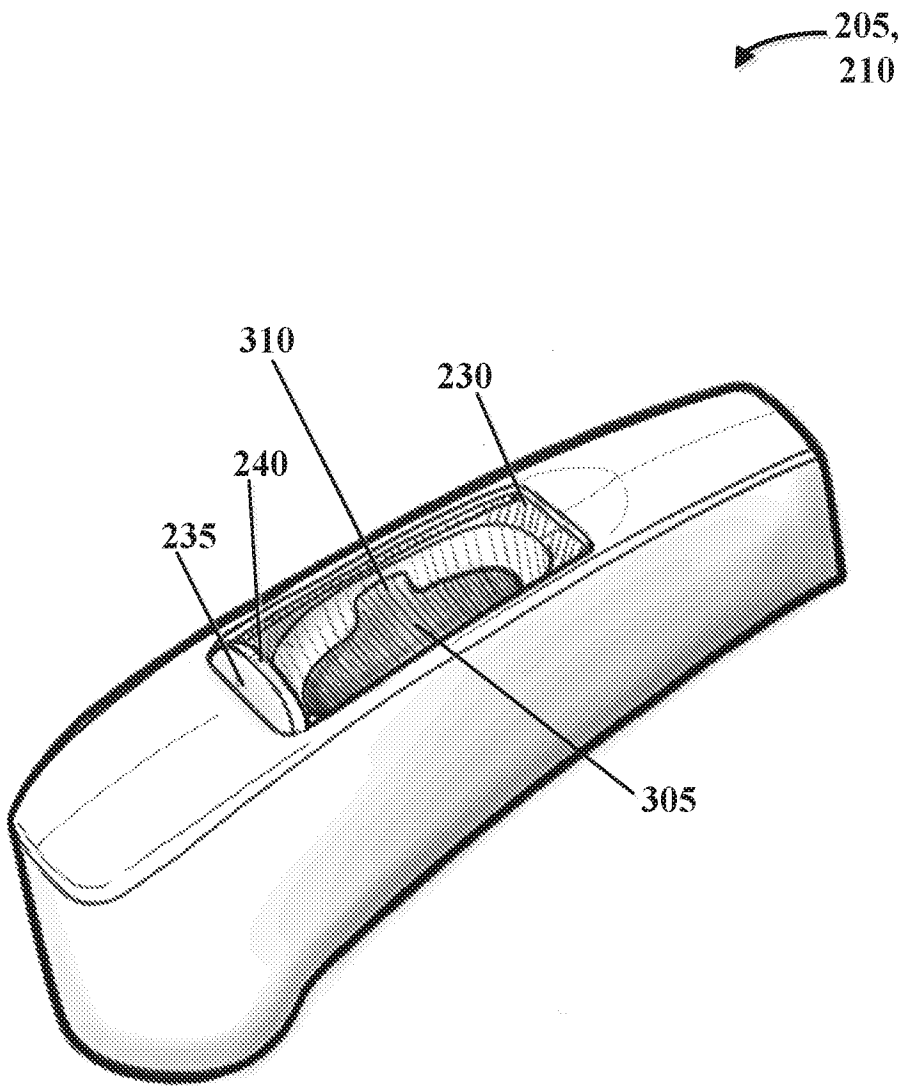

FIGURE 3

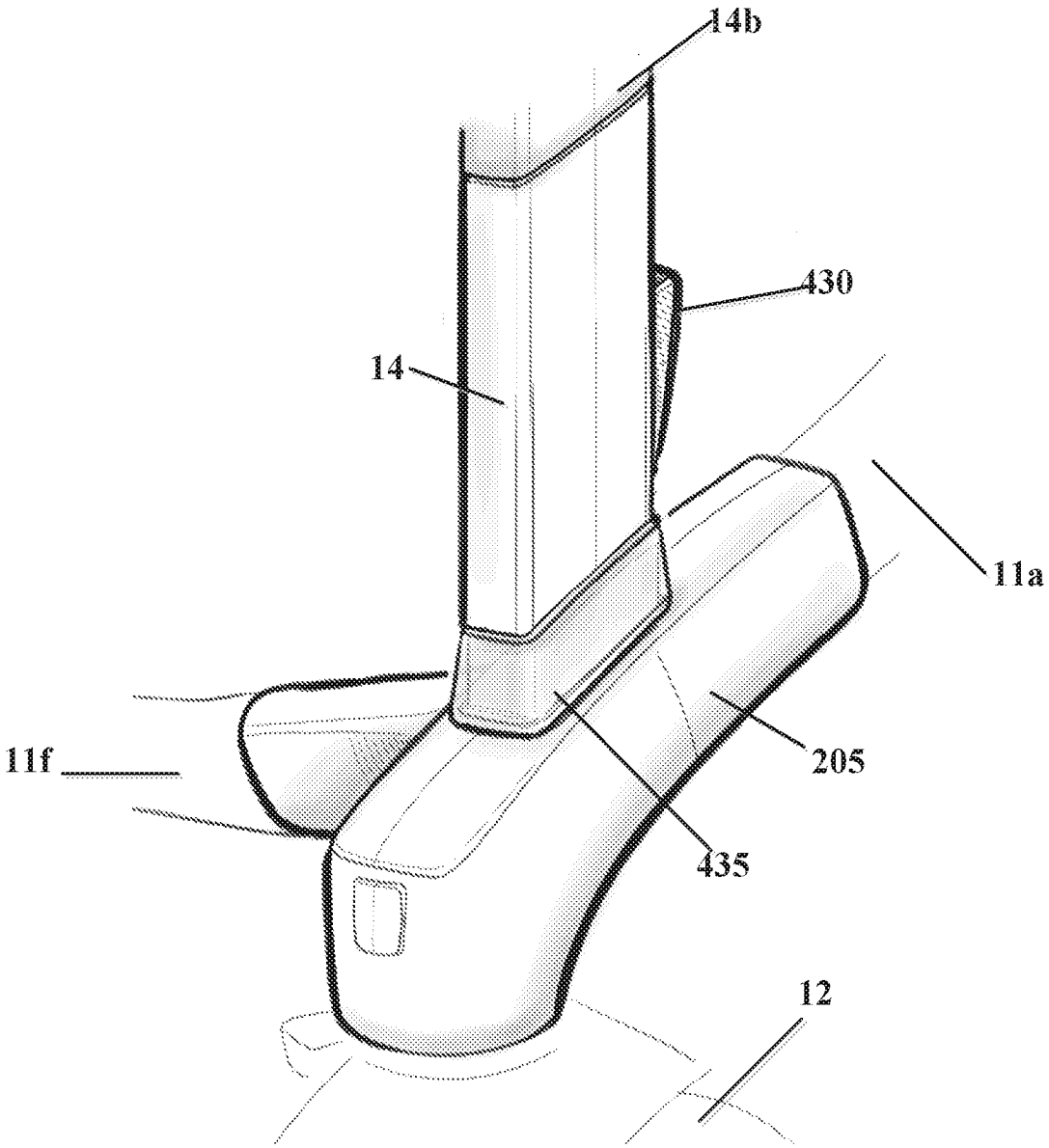

FIGURE 4A

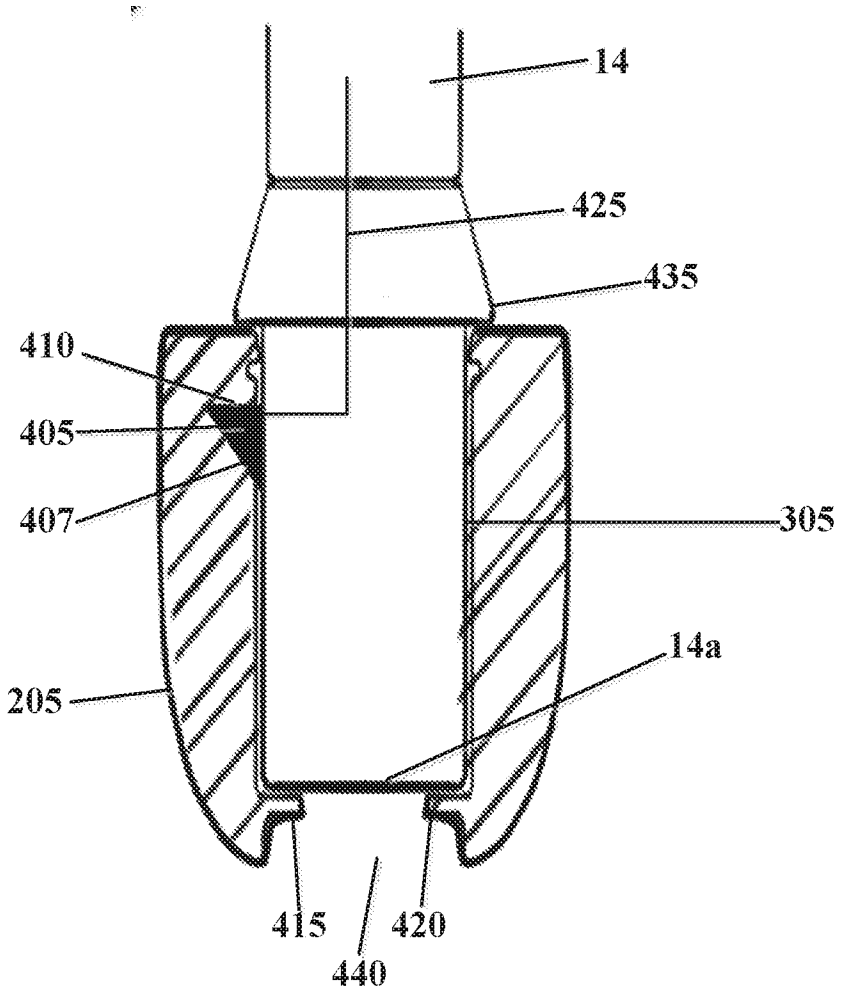

FIGURE 4B

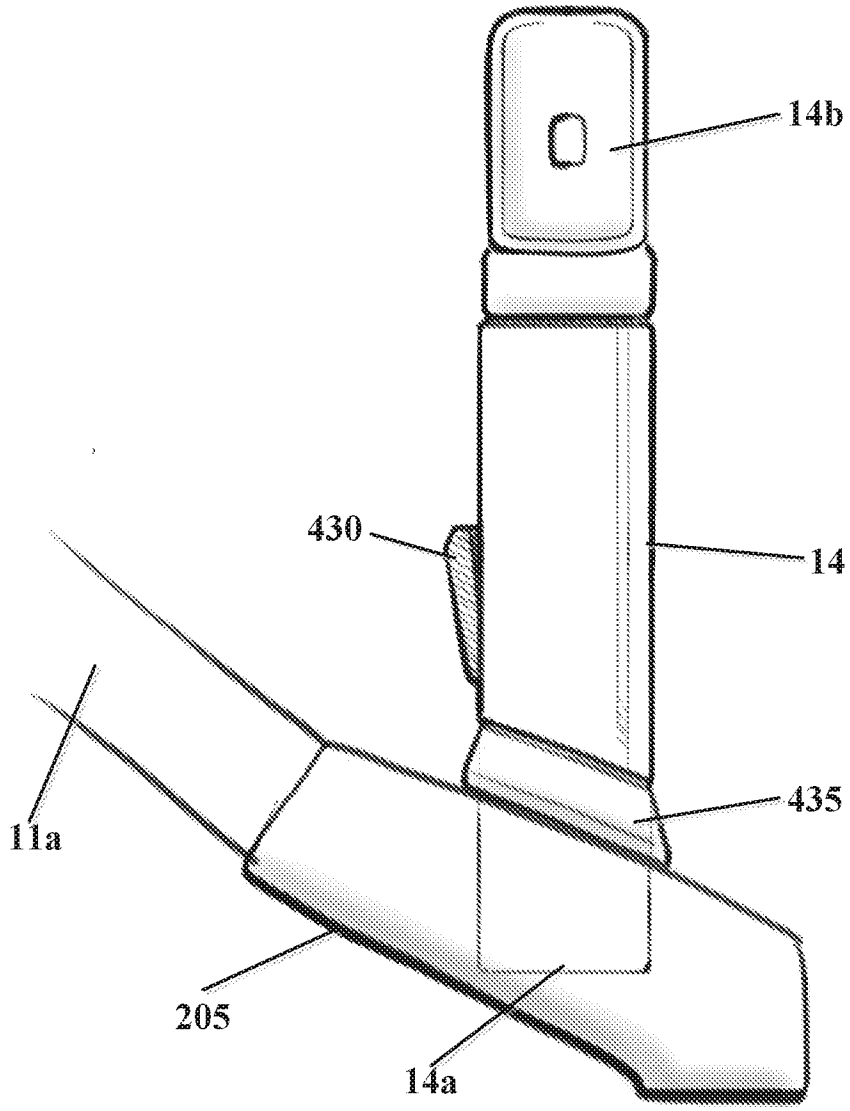

FIGURE 4C

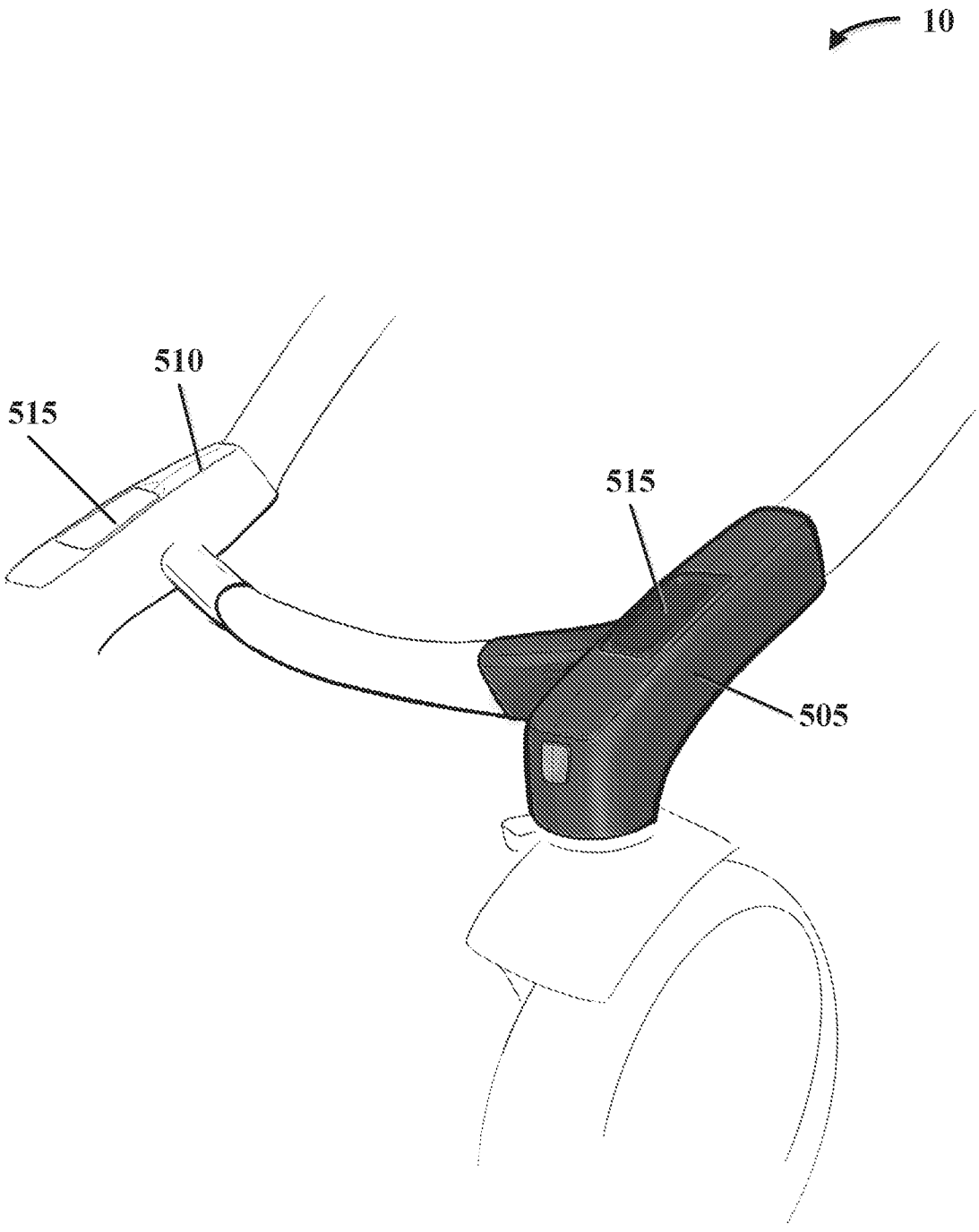

FIGURE 5A

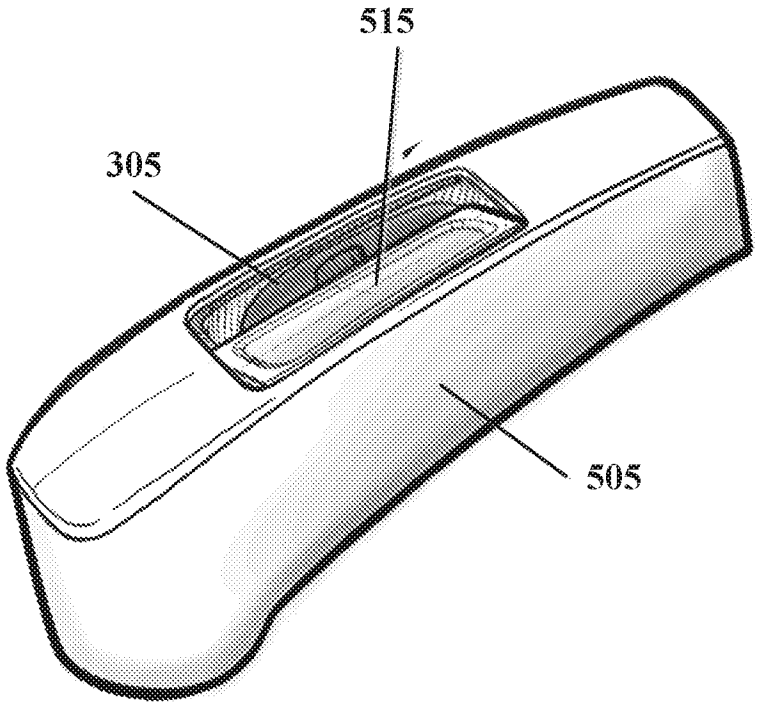

FIGURE 5B

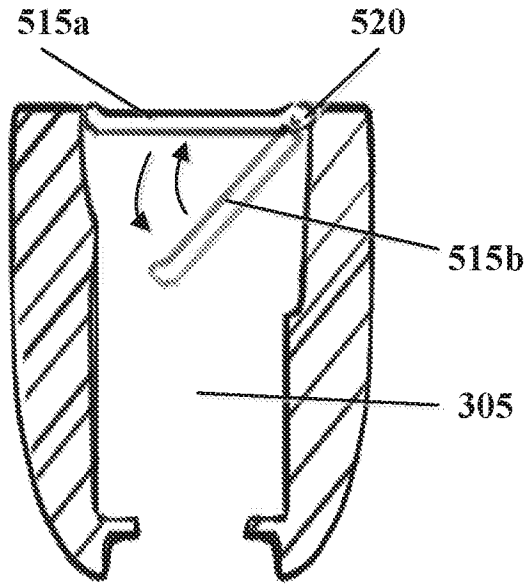

FIGURE 5C

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PROVISIONAL APPLICATION FOR PATENT COVER SHEET – Page 1 of 2

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Express Mail Label No. _____

INVENTOR(S)		
Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)
Jon Hee	Lee	Kalamazoo, MI
Megan	Roe	Kalamazoo, MI
Noel	Simpson	Portage, MI

Additional inventors are being named on the _____ separately numbered sheets attached hereto.

TITLE OF THE INVENTION (500 characters max):

REMOVABLE SEAT ATTACHMENT FOR A STROLLER

Direct all correspondence to: **CORRESPONDENCE ADDRESS**

☑ The address corresponding to Customer Number: 134811

OR

☐ Firm or Individual Name

Address

City	State	Zip
Country	Telephone	Email

ENCLOSED APPLICATION PARTS (*check all that apply*)

☐ Application Data Sheet. See 37 CFR 1.76.
☐ CD(s), Number of CDs _____
☑ Drawing(s) *Number of Sheets* 12
☐ Other (specify) _____
☑ Specification (e.g., description of the invention) *Number of Pages* 20

Fees Due: Filing Fee of $260 ($130 for small entity) ($65 for micro entity). If the specification and drawings exceed 100 sheets of paper, an application size fee is also due, which is $400 ($200 for small entity) ($100 for micro entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

METHOD OF PAYMENT OF THE FILING FEE AND APPLICATION SIZE FEE FOR THIS PROVISIONAL APPLICATION FOR PATENT

☐ Applicant asserts small entity status. See 37 CFR 1.27.
☐ Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent.
☐ A check or money order made payable to the *Director of the United States Patent and Trademark Office* is enclosed to cover the filing fee and application size fee (if applicable).
☐ Payment by credit card. Form PTO-2038 is attached.
☑ The Director is hereby authorized to charge the filing fee and application size fee (if applicable) or credit any overpayment to Deposit Account Number: 195029.

260.00
TOTAL FEE AMOUNT ($)

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This collection of information is required by 37 CFR 1.51. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 10 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PROVISIONAL APPLICATION FOR PATENT COVER SHEET -- Page 2 of 2

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

☐ No.

☐ Yes, the invention was made by an agency of the U.S. Government. The U.S. Government agency name is: _____

_____

☐ Yes, the invention was made under a contract with an agency of the U.S. Government. The name of the U.S. Government agency and Government contract number are: _____

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SIGNATURE /James M. Hannon/ DATE March 21, 2016

TYPED OR PRINTED NAME James M. Hannon REGISTRATION NO. 48,565 (*if appropriate*)

TELEPHONE 404.853.8013 DOCKET NUMBER 34757-1494

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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-1494
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Jon	Hee	Lee	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

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Address 2			
City	Kalamazoo	State/Province	MI
Postal Code	49009	Country i	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
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Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

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Mailing Address of Inventor:

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Address 2			
City	Kalamazoo	State/Province	MI
Postal Code	49008	Country i	US

Inventor 3 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Noel		Simpson	

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-1494
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

City	Portage	State/Province	MI	Country of Residence	US

Mailing Address of Inventor:

Address 1	6035 Chablis Lane		
Address 2			
City	Portage	State/Province	MI
Postal Code	49024	Country	

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	134811		
Email Address	patent.docket@sutherland.com	Add Email	Remove Email

Application Information:

Title of the Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER		
Attorney Docket Number	34757-1494	Small Entity Status Claimed	☐
Application Type	Provisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	12	Suggested Figure for Publication (if any)	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-1494
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	134811		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status			Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

			Remove
Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-1494
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-1494
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-1494
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:	

If the Applicant is an Organization check here. ☒

Organization Name	Baby Jogger, LLC

Mailing Address Information For Applicant:

Address 1	8575 Magellan Parkway		
Address 2	Suite 1000		
City	Richmond	**State/Province**	VA
Country	US	Postal Code	23227
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-1494
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/James M. Hannon/			Date (YYYY-MM-DD)	2016-03-21
First Name	James M	Last Name	Hannon	Registration Number	48565

Additional Signature may be generated within this form by selecting the Add button.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-1494
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1 The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3 A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent CooperationTreaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	REMOVABLE SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Jon Hee Lee
Filer:	James Michael Hannon/Ronna Berman
Attorney Docket Number:	34757-1494

Filed as Large Entity

Filing Fees for Provisional

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Provisional Application Filing	1005	1	260	260
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**260**

Electronic Acknowledgement Receipt

EFS ID:	25259793
Application Number:	62311224
International Application Number:	
Confirmation Number:	1030
Title of Invention:	REMOVABLE SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Jon Hee Lee
Customer Number:	134811
Filer:	James Michael Hannon
Filer Authorized By:	
Attorney Docket Number:	34757-1494
Receipt Date:	21-MAR-2016
Filing Date:	
Time Stamp:	18:11:21
Application Type:	Provisional

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$260
RAM confirmation Number	5427
Deposit Account	195029
Authorized User	GRIFFIN, MALVERN U.

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 CFR 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 CFR 1.17 (Patent application and reexamination processing fees)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		34757_1494_Application.pdf	137302 3dff4a7480e848556ab4d1f4097d228ab4a0 3845	yes	20
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Specification		1	16	
	Claims		17	20	
Warnings:					
Information:					
2	Drawings-only black and white line drawings	34757_1494_Drawings.pdf	1670702 1b13cc334ac64bdfa45d8b04839c547b72fc 9164	no	12
Warnings:					
Information:					
3	Provisional Cover Sheet (SB16)	34757_1494_Provisional_Cover_Sheet.pdf	230267 58cd2262a7d8e2b6d9c1e47247cc2cf7674 14808	no	3
Warnings:					
This is not a USPTO supplied Provisional Cover Sheet SB16 form.					
Information:					
4	Application Data Sheet	34757_1494_ADS.pdf	130341 a3ce86b6a74c1db699b355b64ca5537e1cd 07fd0	no	9
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
5	Fee Worksheet (SB06)	fee-info.pdf	29822 fe47f33646a41a7b35fa8ec6488f83bdc79fe 073	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	2198434		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.