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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	DYN005
First Inventor	Mark Zehfuss
Title	SEAT ATTACHMENT FOR A STROLLER
Express Mail Label No.	

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☑ **Fee Transmittal Form** (e.g., PTO/SB/17)
2. ☑ **Applicant claims small entity status.** See 37 CFR 1.27.
3. ☑ **Specification** [*Total Pages* 17]
   Both the claims and abstract must start on a new page
   (For information on the preferred arrangement, see MPEP 608.01(a))
4. ☐ **Drawing(s)** (*35 U.S.C. 113*) [*Total Sheets* 8]
5. **Oath or Declaration** [*Total Sheets* 2]
   a. ☑ Newly executed (original or copy)
   b. ☐ A copy from a prior application (37 CFR 1.63(d))
   (for continuation/divisional with Box 18 completed)
   i. ☐ DELETION OF INVENTOR(S)
   Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☑ **Application Data Sheet.** See 37 CFR 1.76
7. ☐ **CD-ROM or CD-R** in duplicate, large table or Computer Program *(Appendix)*
   ☐ Landscape Table on CD
8. **Nucleotide and/or Amino Acid Sequence Submission**
   (if applicable, items a. – c. are required)
   a. ☐ Computer Readable Form (CRF)
   b. Specification Sequence Listing on:
      i. ☐ CD-ROM or CD-R (2 copies); or
      ii. ☐ Paper
   c. ☐ Statements verifying identity of above copies

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P.O. Box 1450
Alexandria VA 22313-1450

ACCOMPANYING APPLICATION PARTS

9. ☑ **Assignment Papers** (cover sheet & document(s))
   Name of Assignee Dynamic Brands, LLC
10. ☐ **37 CFR 3.73(b) Statement** *(when there is an assignee)* ☐ **Power of Attorney**
11. ☐ **English Translation Document** *(if applicable)*
12. ☐ **Information Disclosure Statement** (PTO/SB/08 or PTO-1449)
    ☐ Copies of citations attached
13. ☐ **Preliminary Amendment**
14. ☐ **Return Receipt Postcard** (MPEP 503)
    (Should be specifically itemized)
15. ☐ **Certified Copy of Priority Document(s)**
    (if foreign priority is claimed)
16. ☐ **Nonpublication Request** under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, *check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:*

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: .....

Prior application information: *Examiner* _____ *Art Unit:* _____

19. CORRESPONDENCE ADDRESS

☑ The address associated with Customer Number: 006980 ***OR*** ☐ Correspondence address below

Name					
Address					
City		State		Zip Code	
Country		Telephone		Email	

Signature		Date	12-04-2009
Name (Print/Type)	Bernard G. Pike	Registration No. (Attorney/Agent)	46,993

This collection of information is required by 37 CFR 1.53(b). 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 12 minutes 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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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2009

☑ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT ($) 949.00

Complete if Known	
Application Number	
Filing Date	12-04-2009
First Named Inventor	Mark Zehfuss
Examiner Name	
Art Unit	
Attorney Docket No.	DYN005

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☑ Deposit Account Deposit Account Number: 201507 Deposit Account Name: Troutman Sanders LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES Fee ($)	FILING FEES Small Entity Fee ($)	SEARCH FEES Fee ($)	SEARCH FEES Small Entity Fee ($)	EXAMINATION FEES Fee ($)	EXAMINATION FEES Small Entity Fee ($)	Fees Paid ($)
Utility	330	165	540	270	220	110	545.00
Design	220	110	100	50	140	70	
Plant	220	110	330	165	170	85	
Reissue	330	165	540	270	650	325	
Provisional	220	110	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee ($)	Small Entity Fee ($)
Each claim over 20 (including Reissues)	52	26
Each independent claim over 3 (including Reissues)	220	110
Multiple dependent claims	390	195

Total Claims	Extra Claims	Fee ($)	Fee Paid ($)
34 - 20 or HP =	14	x 26	= 364.00

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee ($)	Fee Paid ($)
3 - 3 or HP =	0	x 0	= 0

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims Fee ($)	Multiple Dependent Claims Fee Paid ($)
	364.00

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is $270 ($135 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee ($)	Fee Paid ($)
25 - 100 =	0	/ 50 = 0 (round **up** to a whole number)	x 0	= 0

4. OTHER FEE(S)

	Fees Paid ($)
Non-English Specification, $130 fee (no small entity discount)	
Other (e.g., late filing surcharge): Assignment	40.00

SUBMITTED BY

Signature	[signature]	Registration No. (Attorney/Agent) 46,993	Telephone (804) 697-1243
Name (Print/Type)	Bernard G. Pike		Date 12-04-2009

This collection of information is required by 37 CFR 1.136. 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 30 minutes 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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TITLE

SEAT ATTACHMENT FOR A STROLLER

INVENTOR

Mark Zehfuss

RELATED APPLICATIONS

This U.S. patent application claims priority to U.S. Provisional Patent Application Serial No. 61/119920 filed on December 4, 2008 and is hereby incorporated by reference in its entirety.

TECHNICAL FIELD

[0001] The invention is directed to a seat attachment for a stroller, single stroller and double strollers. Such a seat attachment may be used to convert a single stroller into a double stroller. More specifically, embodiments of the invention are directed to a seat attachment for a stroller capable of supporting a seat such as, but not limited to, a stroller seat, a baby seat, bassinet, a pram, a car seat, or a baby carrier, for example. Embodiments of the seat attachment are capable of reversibly converting a single stroller into a double stroller.

BACKGROUND

[0002] Parents with multiple young children may have difficulty transporting their children from place to place. Children are slow, easily distracted and, therefore, may lag behind their parents while the parents are trying to complete shopping tasks or get exercise in a limited amount of time. In response, many parents have purchased double strollers allowing the parent or other guardian to push two children simultaneously and thus allow them to more efficiently run errands, take walks, or jog. As such, a double stroller allows the parents or guardians more freedom than they would have with only a single stroller, especially while trying to manage two sleeping children.

[0003] Though double strollers have certain advantages, double strollers also have disadvantages. Double strollers are substantially larger than single strollers and are, therefore, more difficult to maneuver through doors and down aisles in stores. Typically, the benefits of being able to accommodate two children greatly offset these disadvantages. However, when the parent or guardian has only one child with them, the benefits of the double stroller are not realized but the disadvantages still exist.

[0004] Therefore, parents often buy two or more strollers to use at different times; a single stroller for times when they only have one child with them and a double stroller for when they need a stroller that will accommodate two children. This often creates its own set of problems. The multiple strollers must be stored and there is seldom room for both a folded double stroller and a folded single stroller in the trunk of a typical car or back of a sport utility vehicle.

[0005] Stroller manufacturers have attempted to solve this problem by providing a place for a second child to stand on the back of a single stroller or attachments that provide another seat for the second child that hangs under and slightly behind the seat of the single stroller. This provides a second seat for a child but the child is tucked close to the back of the front seat which may be uncomfortable, reduce the capacity of the under seat storage, and prevent the parent from hanging a bag on the handle bars.

[0006] There exists a need for a single stroller that may be conveniently converted to a double stroller. There is also a need for a conversion kit that converts the single stroller into a full double stroller that is capable of accommodating two children without loss of convenience for the parent or guardian.

SUMMARY OF THE INVENTION

[0007] Strollers are typically single strollers (strollers having one seat for transporting one child) or may also be double strollers (strollers having two seats for transporting two children). Embodiments of the invention are directed to a seat attachment for a stroller comprising an connector portion capable of connecting directly to a stroller frame or to an attachment frame member connected to the stroller frame; and a seat support element capable of supporting a seat. In certain embodiments, the attachment for a stroller comprises an attachment frame member having a first end and a second end. The first end may be capable of connecting

the seat attachment to a stroller frame and the second end may be capable of connecting to the seat support element. The seat support element is thus capable of supporting a seat on the strolle. In more specific embodiments, the seat may be supported in either a forward or backward position.

[0008] Another embodiment comprises a stroller and seat attachment for the stroller, wherein the stroller comprises an attachment frame member connected to the frame of the stroller and the seat attachment for the stroller comprises a connector portion. The attachment frame member and the connector portion comprise components that are capable of being securely connected together. In certain embodiments, the attachment frame member and the connector portion comprise components that are capable of being securely and releasably connected together. In this manner, the seat attachment may be attached to the stroller and a seat, as defined above, may be connected to the seat attachment, thus reversibly converting the single stroller into a double stroller.

[0009] In a further embodiment, the seat attachment for the stroller further comprises at least one wheel. The wheel may be connected to the seat attachment by a wheel support frame which may be rigidly attached or may be pivotally attached to the seat attachment. The wheel support frame may be connected to any section of the seat attachment, preferably the wheel support frame is pivotally connected to the back portion of the seat attachment in an area adjacent to the connector portion or connected near the middle of the attachment portion.

[0010] Embodiments of the seat attachment for a stroller may further comprise a folding mechanism. The folding mechanism may comprise a sliding member slidingly connected to the attachment portion and a folding frame member or strut having a first end connected to the sliding member and a second end connected to the wheel support frame. The folding mechanism allows the wheel support frame to pivot from a first position (in-use position), to a second position (a folded position). The attachment for the stroller also may comprise a locking mechanism that secures the attachment to a stroller in the in-use position and unlocks the attachment to allow the attachment to be connected or removed from the stroller when in the folded position. The locking mechanism may be a small protrusion attached to the wheel support frame that engages a corresponding aperture in the stroller or the stroller attachment portion to secure the attachment to the stroller. In the folded position, the protrusion is not engaged in the aperture.

[0011] A further aspect is directed to a double stroller. The double stroller may comprise a frame, wherein the frame comprises a handle portion, a front wheel support portion, a back wheel support portion, and a folding mechanism. Embodiments of the double stroller comprise a stroller frame comprising wheels, the frame, a first seat and a connector portion connected to the frame. The double stroller may further comprise a seat attachment frame comprising a wheel, a second seat, and a second attachment portion capable of connecting to the connector portion of the stroller frame. The second attachment portion may be releasably connected to the connector portion. Further, the second seat may be releasably connected to the seat attachment frame and is capable of supporting the second seat in either a forward or backward position.

[0012] A further embodiment of the double stroller comprises a first seat attachment capable of releasably supporting a first child seat and a second seat attachment capable of releasably supporting a second child seat. The seat attachments may comprise two seat connector portions for supporting the seat on both sides.

[0013] An still further embodiment of the double stroller comprises at least one first seat attachment adjacent to the front wheel support portion and a second seat attachment adjacent to each folding mechanism and/or the handle portion. The first seat attachment may be above at least one front wheel connected to the wheel support portion.

[0014] A still further embodiment of the stroller comprises a frame, at least one front wheel, at least one rear wheel, a first stroller seat with at least one first attachment portion permanently attached to the frame; and at least one releasably connected second seat attachment portion capable of supporting a second seat in front of the first stroller seat. As in other embodiments, the seat attachment may comprise two seat connectors. Either or both seat attachment portions may be a single part with two seat connectors or two separate pieces each comprising a seat connector.

[0015] In any of the above embodiments, the stroller, double stroller or attachment may comprise one or more of the following features; a sleeve for removably receiving the attachment portion. The seat attachment portion may comprise a protrusion having a complementary shape to the sleeve for inserting into the sleeve. Further, the second seat may be integral to the seat attachment.

[0016] Aspects of the stroller, double stroller and attachment are presented in various embodiments, however one skilled in the art will understand various variation and interchangeability of the components of the various embodiments which are intended to be included in the scope of the invention.

BRIEF DESCRIPTION OF THE FIGURES

[0017] Figure 1 shows an embodiment of a single stroller;

[0018] Figure 2 shows an embodiment of a seat attachment to convert a single stroller into a double stroller;

[0019] Figure 3 shows the combination of the single stroller of Figure 1 attached to the seat attachment of Figure 2;

[0020] Figure 4 shows an embodiment of a seat attachment capable of supporting a car seat on an attachment of Figure 2;

[0021] Figure 5 shows a combination of the single stroller of Figure 1 attached to an embodiment of the attachment in the form of a tricycle-like riding device; and

[0022] Figure 6A shows an accessory attachment for supporting an accessory on a stroller; Figure 6B shows a bag or purse for attaching to the accessory attachment of Figure 6A.

[0023] Figure 7 shows an attachment for supporting a seat comprising one wheel.

[0024] Figure 8 shows an embodiment of a stroller reversibly that is capable of being converted from a single stroller to a double stroller comprising an attachment portion that does not comprise a wheel.

[0025] Figures 9A, 9B, 9C, 9D, 9E, and 9F show various configurations of the embodiments of the stroller shown in Figure 8.

DESCRIPTION

[0026] The invention relates to an accessory, attachment, or conversion kit (hereinafter "seat attachment") for a stroller. As discussed above, parents or guardians may find themselves in a situation wherein it is more convenient to transport two children in a stroller, but at the same time find it inconvenient to have both a single stroller and double stroller. Embodiments of the seat attachment solve this problem. In one aspect, an embodiment of the seat attachment for a stroller is capable of converting a single stroller into a double stroller. The seat attachment may

support a seat such as, but not limited to, a stroller seat, a baby seat, a bassinet, a pram, a baby carrier, or a car seat, for example. Therefore, the parent or guardian does not require both a single stroller and a double stroller. A stroller configured to receive a seat attachment for converting a single stroller into a double stroller provides convenience to the user. The single stroller may be connected to a double stroller by attaching the seat attachment to the single stroller and then attaching the second seat. As such, an embodiment of the seat attachment for converting a single stroller into a double stroller comprises at least one connector portion capable of connecting to a stroller frame and a seat support element capable of supporting a seat. The seat attachment may optionally comprise at least one wheel for additional support and stability, however, for more convenience, embodiments of the attachment do not include a wheel. In certain embodiments, a wheel may stabilize the double stroller, but in other embodiments of the attachment the wheel may not be desirable or necessary. Additional embodiments of the attachment comprise a cart, wagon, tricycle-like attachment, or other riding toy that may be connected to the stroller, for example. A tricycle-like attachment would allow a child to ride or be pushed in front of the stroller.

[0027] A side view of an embodiment a single stroller 10 is shown in Figure 1. As a note, Figure 1 shows only one side of the single stroller 10, however, most components include a complementary component on the other side of the single stroller but are not shown in Figure 1. The single stroller 10 comprises a frame 12 that supports seat 13. The frame 12 may, optionally, include at least one, preferably two, folding mechanism 16 that allows the stroller 10 to be folded to a more convenient size for storing or transporting the stroller 10.

[0028] In this embodiment, the seat 13 is shown as a typical stroller seat, however, other types of seats may be used in a single stroller. The seat 13 may be permanently affixed to the frame 12 or releasably connected such that it is capable of being removed and substituted with a different seat. As used herein, "releasably connected" or "releasably attached" means the connection is not a permanent connection and that the connection is capable being of connected and disconnected by the user of the stroller without requiring special tools or special skills. Releasable connections include, but are not limited to, buttons, snaps, friction fittings, interference fits, threaded connections, locking tabs, keyed connections, other fasteners, or the like. On stroller 10 of Figure 1, the frame 12 is supported on a pair of back wheels 14 and a pair of front wheels 15. In this embodiment, back wheels 14 are fixed and do not swivel or pivot on

the frame. The pair of front wheels 15 on the single stroller 10 pivot to make turning the single stroller 10 easier and more convenient. Though, pivoting wheels may be preferred in certain strollers, strollers with fixed non-pivoting wheels are also common. It should be noted that a single stroller does not require pairs of front or rear wheels and either the front pair of wheels 15 or the back pair of wheels 14 may be substituted with a single wheel. Conventionally, many single strollers, including umbrella strollers, jogging strollers, all-terrain strollers, as well as other strollers may only include one front wheel. Embodiments of the seat attachment of the invention may be capable of converting any style of stroller to a double stroller, including strollers with one or two front wheels.

[0029] The embodiment of the stroller 10 comprises two attachment frame members 17. The connector portions are preferably on the front of the stroller to allow the seat attachment and the seat to be connected to the front of the stroller 10. The attachment frame members 17 allow a seat attachment such as the seat attachment for converting the single stroller 10 to a double stroller, as shown in Figure 3, to be connected to the stroller. Only one seat attachment is shown in Figure 3, the stroller 10 would use two seat attachments as shown in Figure 3 or one seat attachment comprising two seat support elements. The embodiment of the stroller 10 has a left side and right side attachment frame members 17. An embodiment of a seat attachment of stroller 10 will comprise corresponding connector portions capable of connecting to the stroller frame at the attachment frame members 17. Though the seat attachment for the stroller is described in relation to a single stroller, the attachment may similarly be attached to a double stroller. Embodiments of the seat attachment may therefore be used to convert a double stroller into a triple stroller, if desired.

[0030] An embodiment of a seat attachment 20 of the invention is shown in Figure 2. The seat attachment of Figure 2 is in an unlocked and folded configuration. The seat attachment 20 comprises a pair of connector portions 21 capable of connecting to the attachment frame members 12, two seat attachment elements 22 capable of supporting a seat; and a wheel 23. In this embodiment, the connector portions are connected to the rear of the seat attachment 20 allowing the seat attachment 20 to be connected to the front of a stroller, such as stroller 10 shown in Figure 1. Other embodiments of the seat attachment may include more than one wheel, one connector portion, one seat support element, or combinations of these elements. In an

embodiment of the stroller with one wheel, the attachment frame member may be on the forks of the front wheel, for example.

[0031] The seat attachment 20 comprises a wheel support frame 26 connecting the wheel 23 to the attachment frame member 24 of the attachment 20. Each attachment frame member 24 has a first and a second end. The first end is capable of connecting to a stroller frame and the second end is connected to the seat support element 22. The embodiment of the seat attachment 20 comprises a wheel support frame 26 that is pivotally connected to two attachment frame members 24. The wheel support frame 26 or the attachment frame 24 may span the width of the stroller between the two attachment frame members 17. The pivotal connection 27 allows the seat attachment to be folded and conveniently stored or transported but is not necessary for the invention. The pivotal connection is optional and provides more convenience, however, embodiments of the attachment may comprise a releasably connected wheel support frame or a rigid frame that may be incorporated to produce a seat attachment that has greater strength for use in situations wherein a stronger seat attachment may be desired such as with all-terrain or jogging strollers, for example. The wheel support frame may be connected at any point on the attachment frame, preferably the wheel support frame is connected near the connector portion 21 or near the middle of the attachment frame 24.

[0032] An embodiment of the seat attachment without a wheel may include connector portion 21 or attachment frame member 24, and seat attachment member 22, for example. In such an embodiment, there would be no need for pivotal connection 27, wheel support frame 26, sliding connector 25, or wheel 23.

[0033] The seat attachment 20 comprises a folding mechanism comprising a sliding connector 25 connected to a first end of strut 28. A second end of strut 28 is pivotally connected to wheel support frame 26. In such an embodiment, the sliding connector 25 may be moved between a first position and a second position on the attachment frame member 24. As the sliding connector 25 is moved, strut 28 pushes the wheel support frame 26 from an in-use position to a storage position. The storage position is more compact as shown in Figure 2. In addition, the embodiment of the seat attachment 20 comprises a locking mechanism 27 that is capable of securing the seat attachment 20 to a stroller, such as stroller 10 shown in Figure 1. The locking mechanism 29 is engaged by moving the sliding connector 25 to the in-use position in which the wheel support frame 28 and wheel 23 are extended. In an embodiment of the seat

attachment 20 for the stroller 10, the wheel of the seat attachment 20 is pivotally connected to the connector portion and when the wheel is in the in-use position the releasable connection is locked and when the wheel 23 is moved to the storage position, the releasable connection is unlocked allowing the seat attachment 20 to be removed from stroller 10. The seat attachment 20 may be stored and stroller 10 may be conveniently used as a single stroller. As designed, the seat attachment 20 may be reconnected to stroller 10 for use as a double stroller. In any embodiment of the invention, the seat attachment portion may be secured into position on the stroller frame and a locking mechanism may be used with an embodiment with or without the wheel. Either the seat attachment or the stroller frame may comprise a locking mechanism for securing the stroller and seat attachment together. The locking mechanism may be any mechanism capable of securing the components together during use and may be a friction locking device, threaded connection, peg in a hole, or an interference locking device such as a pin in a hole or slot, for example. In embodiment 20 shown in Figure 2, the locking mechanism 29 pivots with wheel support frame 26 as the attachment 20 is moved from an unfolded position to a folded position. The locking mechanism 29 may slide into a hole or notch in the attachment frame member of stroller 10 shown in Figure 1. As such, the attachment 20 may be attached to stroller 10 by positioning attachment portion 21 of attachment 20 in slot 18 of attachment portion 17 of stroller 10. The sliding connector 25 may be moved to the in-use position, wheel support frame is moved and locking mechanism 29 is positioned into locking slot 19 of stroller 10.

[0034] The connector portion 21 of the embodiment of the seat attachment 20 has a cylindrical shape. The connector portion 21 may be inserted into a cylindrical recess 18 of the attachment frame member 17 of stroller 10 of Figure 1 to secure the seat attachment and convert the single stroller into a double stroller, as shown in Figure 3. Other embodiments of the seat attachment may include any type of connector portion. The connector portion may be of a solid or tubular construction and may be any cross-sectional shape including, but not limited to, circular, polygonal, square, rectangular, and triangular, for example. Other attachment mechanisms may be utilized to connect the seat attachment to the stroller such as, but not limited to, a U-shaped bracket, a U-bolt, a pipe clamp, O-shaped bracket, screw, bolt, or other clamping or attachment means. The attachment frame member of the stroller has a complimentary and cooperating shape that allows the connector portion to be secured to the attachment portion of the stroller.

[0035] In Figure 3, the seat attachment 20 of Figure 2 is shown connected to the single stroller 10 of Figure 1 forming a double stroller. The double stroller configuration is shown with two stroller seats 13 in an inline configuration, though the other configurations, such as a stroller seat and a bassinet or a pram may also be supported on the double stroller. Further, the seat support element of the seat attachment may be capable of supporting the front stroller seat in either a forward or backward position.

[0036] The embodiment of the stroller 10 is shown only as an example of one type of stroller, the frame of the stroller may be any of many possible configurations. Embodiments of the accessory of the invention may be configured to be used on any such configuration of a stroller. For example, a different embodiment of the baby stroller may not include two front wheels, may not include a folding mechanism or may only include only one folding mechanism. In addition, the baby stroller may include additional features not included in baby stroller 10. For example, the stroller may optionally comprise fixed front wheels, an entirely different frame configuration, or a storage basket underneath the seat of the stroller.

[0037] The seat support member may be any configuration capable of supporting the seat on the seat attachment. Another embodiment of a seat support member for use with a car seat or other baby seat is shown in Figure 4. The embodiment of the seat support member 40 of Figure 4 comprises a main support 41. The main support 41 comprises a cradle for supporting a central portion of the seat. Another portion of the seat may rest against support bar 42. In this embodiment, support bar 42 may be adjusted to accommodate seats of different shapes and sizes. Support bar 42 may be slid within aperture 43 and locked in place when in the desired position to support a certain seat. The seat is, therefore, supported on two main supports 41 and support bar 42. The seat may be further secured in the seat attachment member 40 by wrapping belts 44 and 45 around the seat and locking the belts in this position with a buckle or other securing means.

[0038] Another embodiment of a seat attachment for a stroller is shown in Figure 5. The combination 50 comprises stroller 10 and seat attachment 51. Seat attachment 51 is a tricycle-like attachment comprising an connector portion 52, a frame 53 with a seat support element 56, a seat 57, and wheel 55. The tricycle-like attachment may be attached to stroller 10 to allow one child to be pushed in the stroller 10 and one child to ride the seat attachment 51. The seat attachment may be other shapes also such as cars, trucks, or animal shapes, for example.

[0039] The embodiment of the stroller 10 of Figure 5 comprises an additional accessory attachment portion 58. The accessory attachment portion 58 attaches to a frame member of stroller 10. An embodiment of the accessory attachment portion 58 is shown on Figure 6A. This embodiment is particularly useful for attaching a bag or purse 64, as shown in Figure 6B, to stroller 10.

[0040] When using a stroller, parents or guardians typically carry other items, such as purses, grocery bags, cell phones, diapers, cleaning wipes, or other personal or baby related items. Some strollers have bottom storage baskets for placing such items. However, these storage baskets can be inconvenient to access or some light weight strollers do not include such storage. Therefore, users of the stroller may hang purses or shopping bags on the handle of the stroller. This is convenient in that the bag is easy to access, but the weight of the bag on the handle may cause the stroller to be unbalanced and increase the tendency of the stroller to topple backwards. A heavy bag hung from the handle of a stroller may cause the stroller to tip backwards even with a child in the seat. The problem is worse if the stroller is facing uphill, on uneven terrain, being pushed up a curb, or occupied by a small child. The attachment portion may be attached to the frame of a stroller by any of the clamping or attachment methods described above, for example. Preferably, accessory attachment 58 is attached near the center of gravity of the stroller 10 to avoid creating an unbalanced condition of the stroller. An embodiment of the accessory attachment 58 is shown in Figure 6A. Accessory attachment 58 is shown connected to stroller frame 12 of stroller 10 in Figure 1 near the folding mechanism. Embodiments of the accessory comprise a first end 61 for connecting to a stroller frame and a second end 62 for releasably connecting to the accessory. The first end 61 comprises an aperture 64 that may be connected to frame 12 of the stroller 10. In certain embodiments, the aperture 64 is on an angle – such that when the axis of the accessory attachment portion 58 is substantially horizontal. The accessory attachment 58 may, optionally, comprise a rib for securing the accessory to the accessory attachment 58. The rib as shown in Figure 6A may be replaced with any other locking element or securing means including a friction fitting, a screwed fitting, interference fitting, for example.

[0041] One example of an accessory for attaching to an accessory attachment 58 is shown in Figure 6B. The accessory is a bag or purse 64. The accessory includes an attachment portion 65 that is capable of being secured to the attachment portion 62 on the accessory

attachment 58. The bag or purse 64 may be secured on stroller 10 by securing attachment portion 65 to attachment portion 62. The attachment portion 65, as shown, slides over the cylindrical attachment portion 62 of accessory attachment 58. Attachment portion 65 may include an interior annular recess that receives rib 63 securing the bag or purse 58 to stroller 10. The bag or purse 64 is thus secured to the stroller 10 in a center portion of the stroller as viewed from the side. Therefore, the bag or purse 64 is conveniently secured to stroller 10 while not contributing to an unbalanced condition of the stroller 10.

[0042] A further embodiment of the stroller 80 is shown in Figure 8. Stroller 80 may be easily converted from a single stroller comprising one seat to a double stroller comprising two seats without addition of another wheel on the attachment. Stroller 80 comprises a frame 81 capable of supporting the stroller seat 86. In this embodiment, the frame 81 comprises a front wheel support portion 81a, a back wheel support portion 81b, and a handle portion 81c. The frame 81 of the embodiment of the stroller 80 further comprises a folding mechanism 81d that connects front wheel support portion 81a, a back wheel support portion 81b, and a handle portion 81c. The folding mechanism 81d allows the stroller to be folded in a more compact size for storing or transportation. Figure 8A shows stroller 80 in a folded configuration.

[0043] Stroller 80 further comprises at least one front wheel 82 (both front wheels 82 of stroller 80 may be seen in Figure 8A), at least one rear wheel 83 (both rear wheels 83 of stroller 80 may be seen in Figure 8A), a stroller seat 86, and a seat support portion 84 capable of supporting a second seat in front of the stroller seat. The stroller 80 may further comprise a storage basket 87. Seat support portion may be of any design capable of securely supporting a seat on the stroller. For example, the seat support portion 84 may be similar to seat support portion 20 shown in Figure 2 without the wheel 23, the strut 28, pivotal connection 27, and/or the wheel support frame 26. Preferably, the seat support portion is capable of supporting a seat such that a child in the seat is substantially above the frame of the stroller. This provides easier access to the seat, does not block access to the storage basket, allows more versatile configurations of the seats, allows more variety of seats to be attached to the frame, and allows the parent or other guardian to more easily monitor and see the child in each seat.

[0044] Stroller 80 comprises a stroller seat 86. The stroller seat 86 is located adjacent to handle portion 81c. The stroller seat 86 may be fixedly attached or removably attached to frame 81. In embodiments of the stroller 80 wherein stroller seat 86 is removably attached to frame 81,

the stroller seat 86 may be removed and replaced in a backward facing configuration, see Figure 9A, be replaced by a infant carrier 91 or car seat on seat support element 84, see Figure 9C, or replaced with a pram 92 on seat support element 84, see Figure 9D. Embodiments of the stroller 80 may comprise a second seat support element 89 adjacent to the handle portion 81c. A stroller 80 comprising a second seat support element 89 allows the seat to be easily removed and reconfigured to a different orientation or replaced with a different style seat.

[0045] Embodiment of the stroller 80 comprises a first seat support element 84. The seat support element 84 is connected to the stroller 80 front wheel support frame 81a. The seat support element 84 is adjacent to the front wheel support portion 81a of frame 81. The seat support element is capable of supporting a second stroller seat 85 in front of the stroller seat 86. This provides convenience and versatility to a user of stroller 80. Seat support element may be fixedly attached or removably attached to front wheel support portion 81a. The front seat 85 may be positioned substantially over the front wheels so the stroller remains stable. Preferably, the seats should be positioned such that the center of gravity of the stroller is between the front and rear wheels. If not an additional wheel may be placed on the attachment as previously described. Seat support element 84 comprises a seat connector 88. Seat connector 88 may be a multipurpose general connector that allows different seats to interchanged on the seat support element 84. Any style seat may be configured to connect to the seat connector, such as but not limited to, a stroller seat, a baby seat, a bassinet, a pram, a baby carrier, or a car seat, for example.

[0046] An embodiment of the stroller attachment comprises a connector portion, and a seat support element. The connector portion is capable of connecting the seat attachment to the frame.

[0047] In the embodiment shown in Figure 8, stroller 80 comprises a first stroller seat 86 and a second stroller seat 85. Stroller seat 86 is shown in the forward facing configuration and second stroller seat 85 is shown in a backward facing configuration. The seat support element 84 is capable of supporting the seat above the front wheel 82 connected to the wheel support portion 81a. Preferably, the front seat is located substantially over the front wheels and the back seat is located substantially over the rear wheels.

[0048] Though it can not be seen in the side view of Figure 8, a typical embodiment of the stroller will comprise two seat connector portions. One seat connector portion will support each side of the seat. The connector portion may be one piece or multiple parts.

[0049] Figures 9A through 9F show various configurations that are possible with the stroller of the invention. These configurations are not to be considered to be all available configurations of the stroller and one skilled in the art would recognize many additional possibilities based upon this specification and set of drawings. From the foregoing it will be appreciated that, although specific embodiments of the invention have been described herein for purposes of illustration, various modifications may be made without deviating from the spirit and scope of the invention. Accordingly, the invention is not limited except as by the appended claims.

CLAIMS

1. A seat attachment for a stroller, comprising:

an attachment frame member comprising a connector portion capable of connecting to a stroller frame; and

a seat support element capable of supporting a seat;

2. The seat attachment of claim 1, comprising:

a wheel.

3. The seat attachment for a stroller of claim 2, further comprising a wheel support frame connecting the wheel to the attachment frame member.

4. The seat attachment for a stroller of claim 3, wherein the wheel support frame is pivotally connected to the attachment frame member.

5. The seat attachment for a stroller of claim 4, wherein the wheel support frame is pivotally connected near the middle of the attachment frame member.

6. The seat attachment for a stroller of claim 5, further comprising a folding mechanism.

7. The seat attachment for a stroller of claim 6, wherein the folding mechanism comprises a sliding connector slidingly connected to the attachment frame member and a strut having a first end connected to the sliding member and a second end connected to the wheel support frame.

8. The seat attachment for a stroller of claim 4, wherein the wheel support frame is capable of pivoting from a first position to a second position.

9. The seat attachment for a stroller of claim 8, wherein the first position is a locked and in-use position and the second position is an unlocked and folded position.

10. The seat attachment for a stroller of claim 1, wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram.

11. The seat attachment for a stroller of claim 1, wherein the attachment frame member has a first end and a second end.

12. The seat attachment for a stroller of claim 11, wherein the first end is capable of connecting to a stroller frame.

13. The seat attachment for a stroller of claim 12, wherein the second end is connected to the seat attachment member.

14. The seat attachment for a stroller of claim 1, wherein the seat support element is capable of supporting a seat in either a forward or backward position.

15. The seat attachment for a stroller of claim 1, further comprising a stroller seat, wherein the seat support element is capable of supporting the stroller seat in either a forward or backward position.

16. A double stroller, comprising:

a stroller frame comprising wheels, a frame, a first seat and an attachment frame member connected to the frame;

a seat attachment comprising a wheel, a second seat, and a connector portion capable of connecting to the attachment frame member.

17. The double stroller of claim 12, wherein the connector portion is capable of being releasably connected to the attachment frame member.

18. The double stroller of claim 12, wherein the second seat is releasably connected to the seat support element.

19. The double stroller of claim 18, wherein the seat support element is capable of supporting the second seat in either a forward or backward position.

20. A double stroller, comprising:
a first seat attachment capable of removably supporting a child seat; and
a second seat attachment capable of supporting a child seat.

21. The double stroller of claim 20, wherein each seat attachment comprises two seat connector portions.

22. The double stroller of claim 20, wherein the child seat is one of a stroller seat, a baby carrier, a bassinet, a pram, or a car seat.

23. The double stroller of claim 20, comprising a frame, wherein the frame comprises a handle portion, a front wheel support portion and a back wheel support portion.

24. The double stroller of claim 23, wherein a first seat attachment is adjacent to the front wheel support portion.

25. The double stroller of claim 24, wherein the first seat attachment is above at least one front wheel connected to the wheel support portion.

26. The double stroller of claim 25, wherein the second seat attachment is adjacent to the handle portion.

27. The double stroller of claim 23, further comprising a folding mechanism that connects the handle portion, the front wheel support portion, and the back wheel support portion.

28. A stroller, comprising:
a frame;
at least one front wheel;

at least one rear wheel;

a stroller seat; and

a seat attachment portion capable of supporting a second seat in front of the stroller seat.

29. The stroller of claim 28, wherein the seat attachment portion comprises two seat connectors.

30. The stroller of claim 29, wherein the seat attachment portion is removably connected to the frame.

31. The stroller of claim 30, wherein the seat attachment portion comprises two portions each comprising one seat connector.

32. The stroller of claim 30, wherein the frame comprises a sleeve for removably connecting the seat attachment portion to the frame.

33. The stroller of claim 28, wherein the second seat is one seat selected from a stroller seat, an infant carrier, a bassinet, a pram, or a car seat.

34. The stroller of claim 33, wherein the second seat is integral to the seat attachment portion.

ABSTRACT

The invention relates to a seat attachment for a stroller, single stroller and double strollers. Such a seat attachment may be used to reversibly convert a single stroller into a double stroller. More specifically, versions of the seat attachment relate to a seat attachment for a stroller capable of supporting a seat such as, but not limited to, a stroller seat, a baby seat, bassinet, a pram, a car seat, or a baby carrier, for example. The seat may be supported in front of a permanent seat of the stroller.

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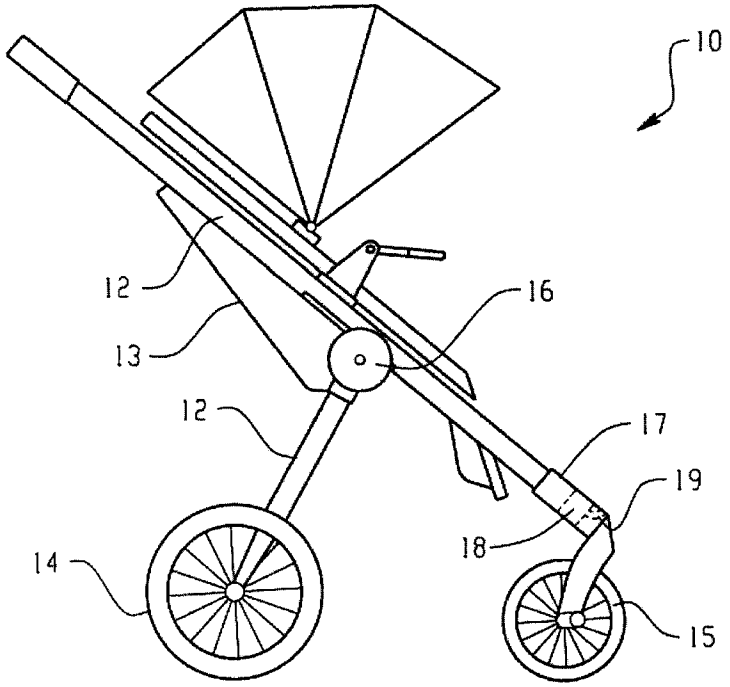


Fig. 1

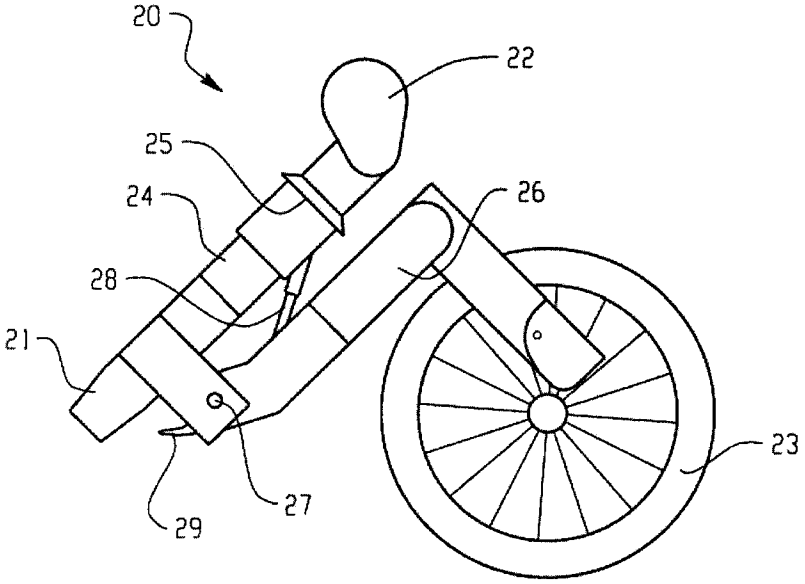


Fig. 2

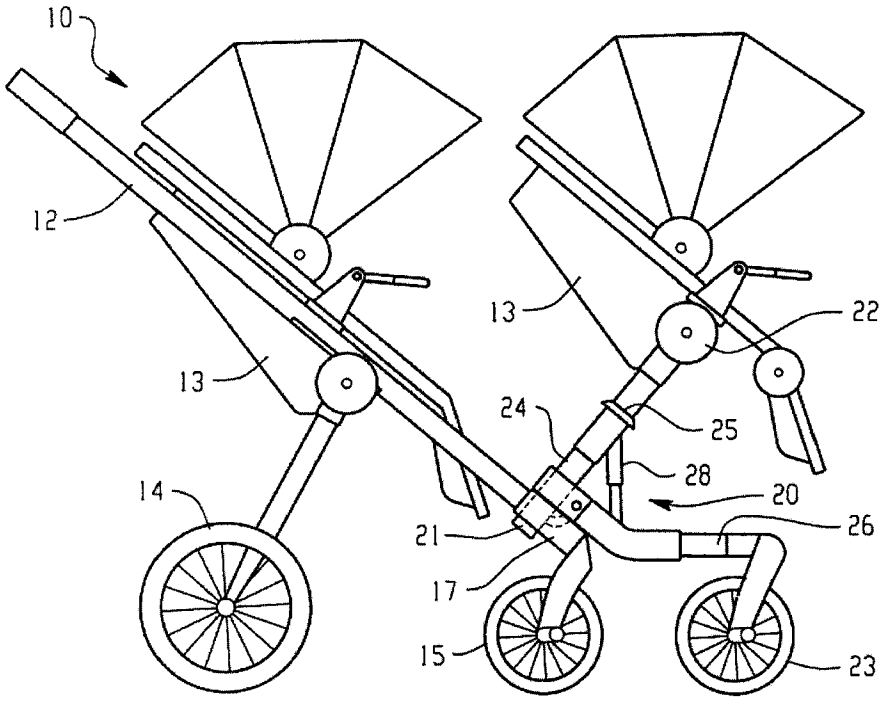


Fig. 3

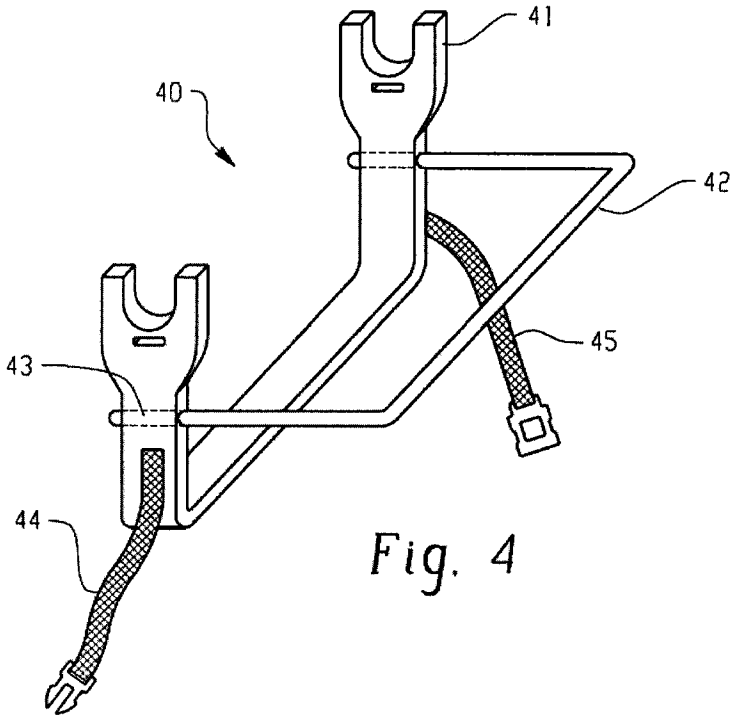


Fig. 4

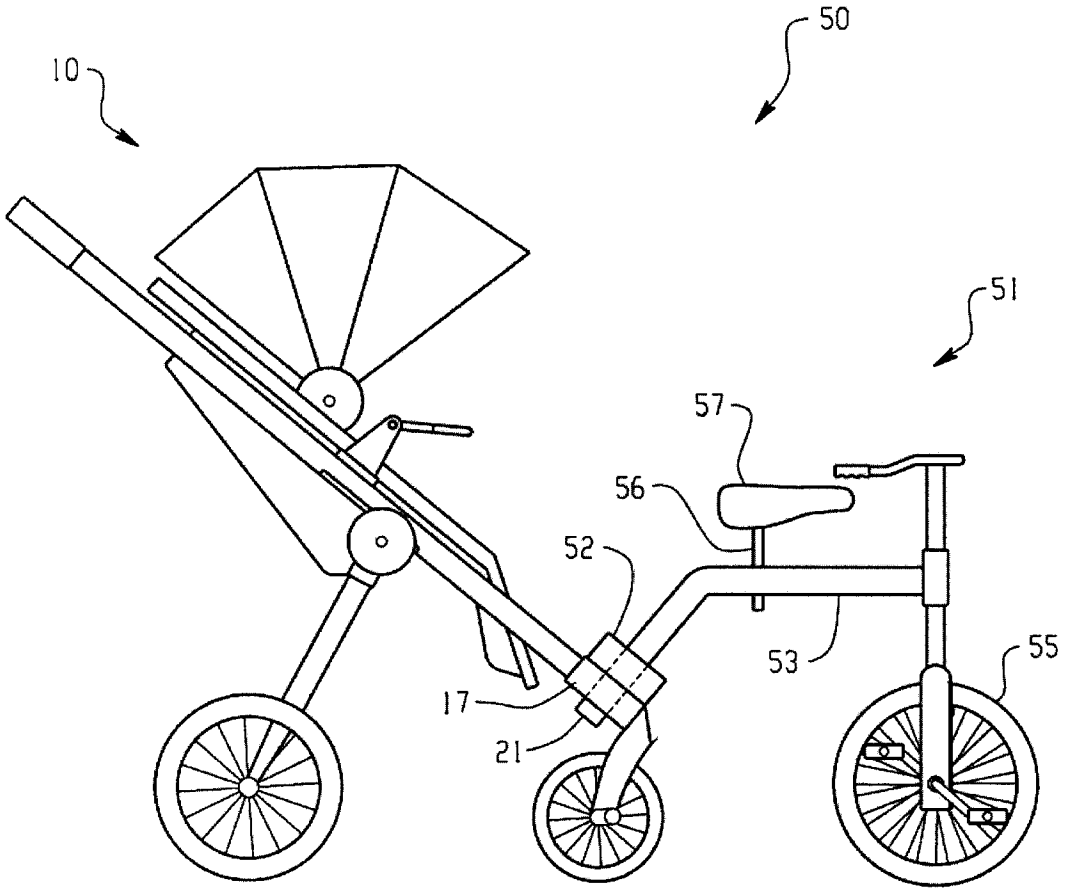


Fig. 5

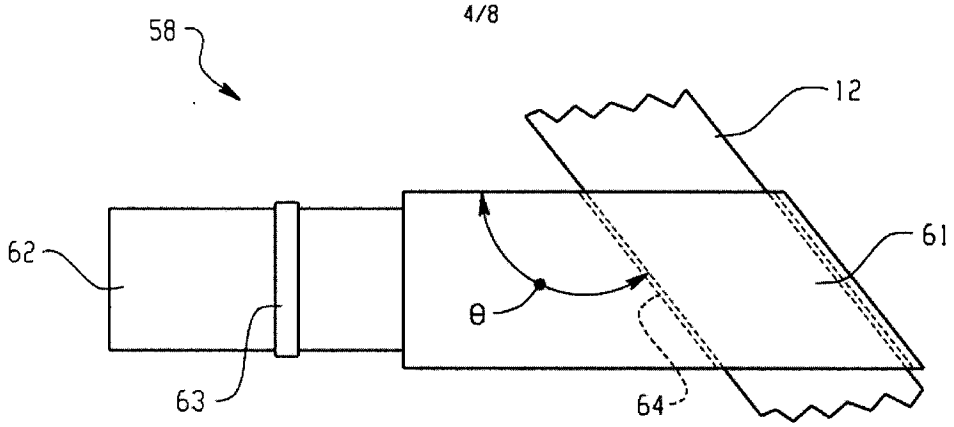


Fig. 6A

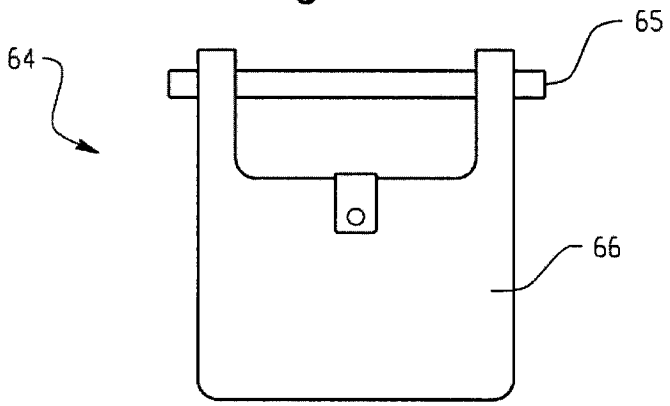


Fig. 6B

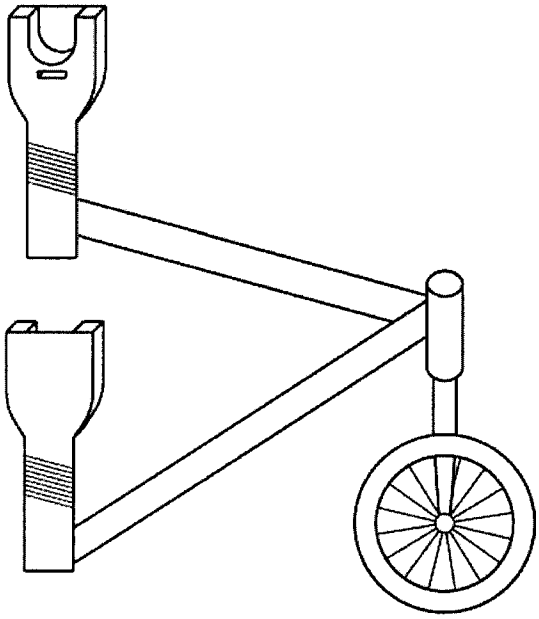


Fig. 7

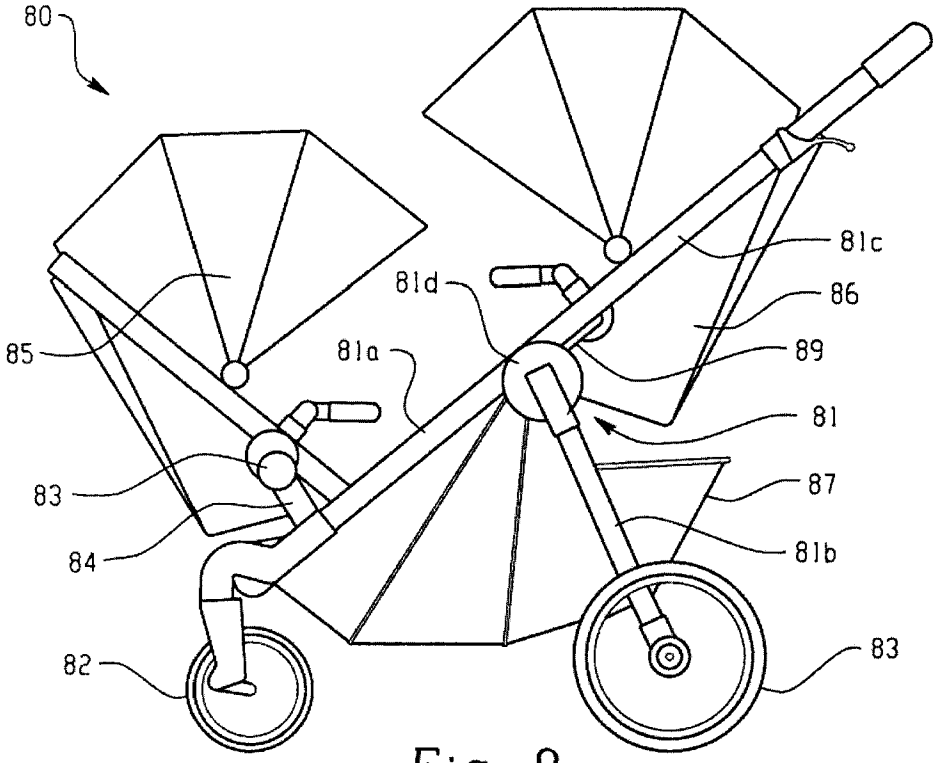

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81c
81d
86
85
81a
89
81
83
87
84
81b
82
83

Fig. 8

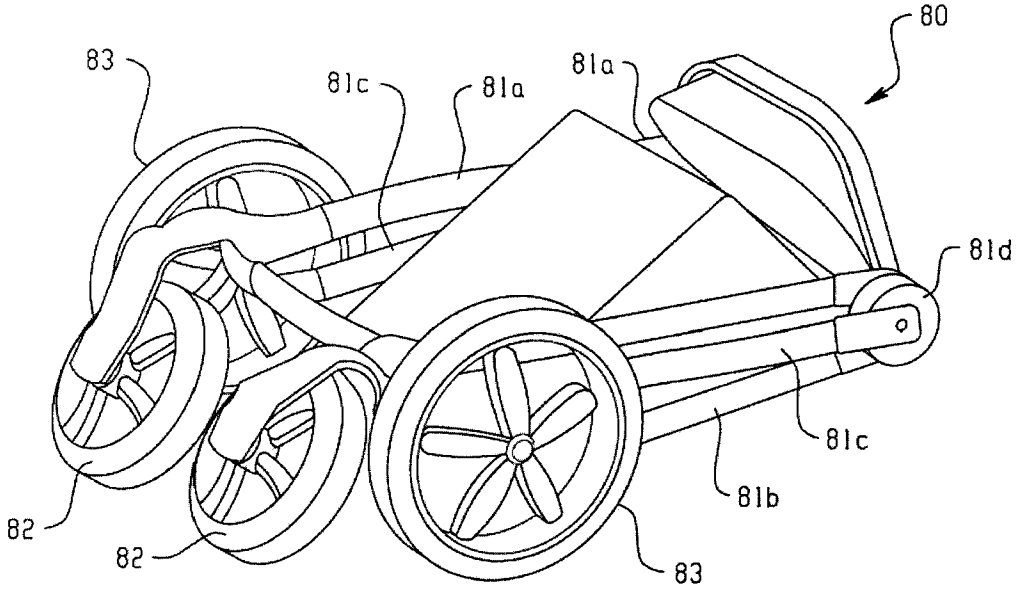

80
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Fig. 8A

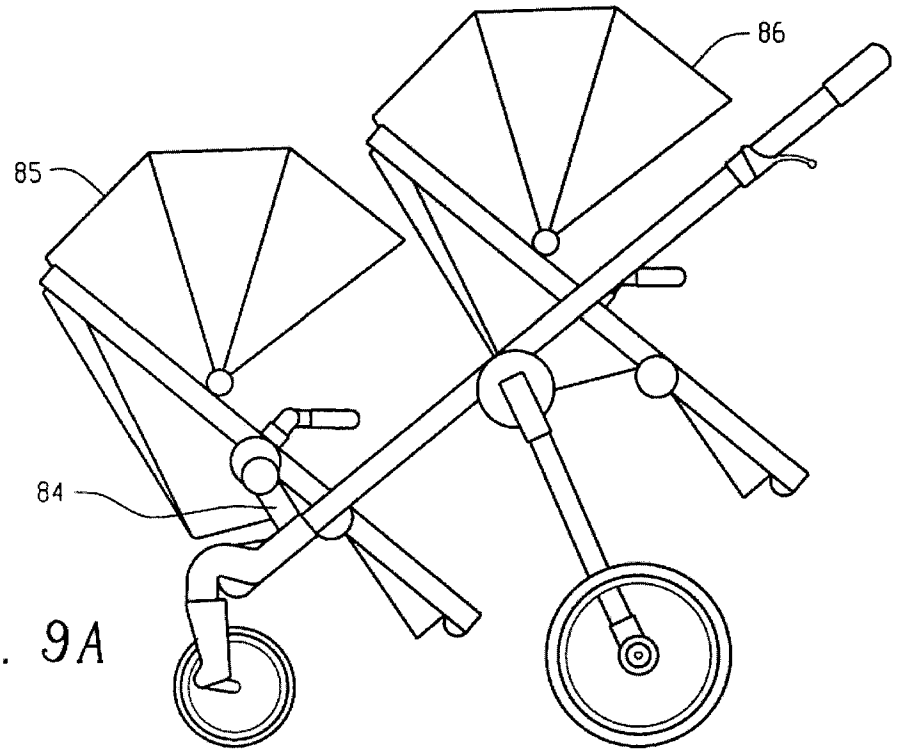


Fig. 9A

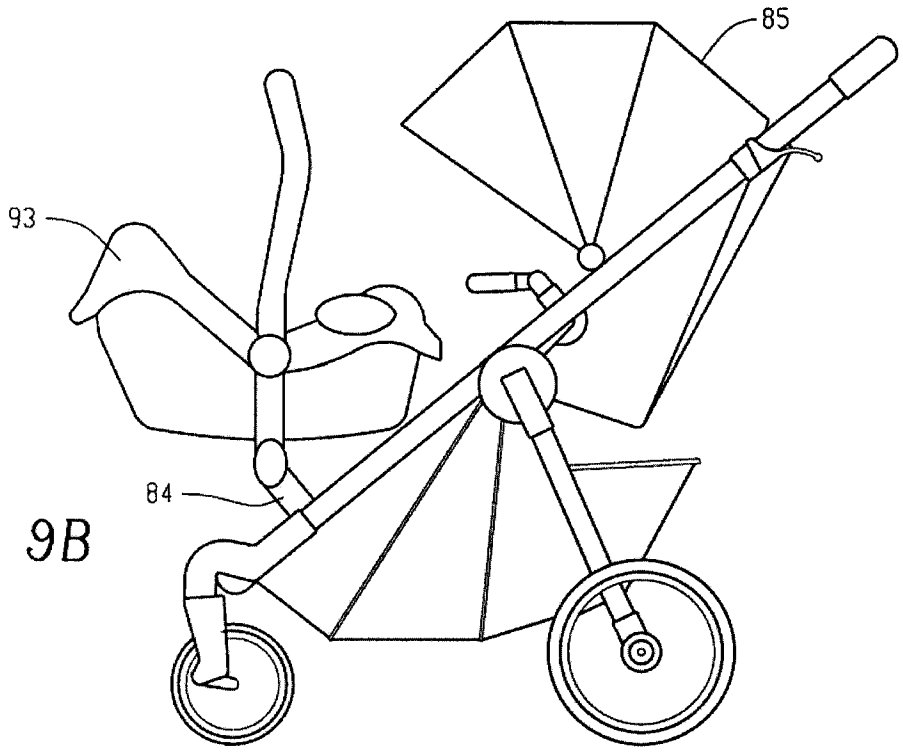


Fig. 9B

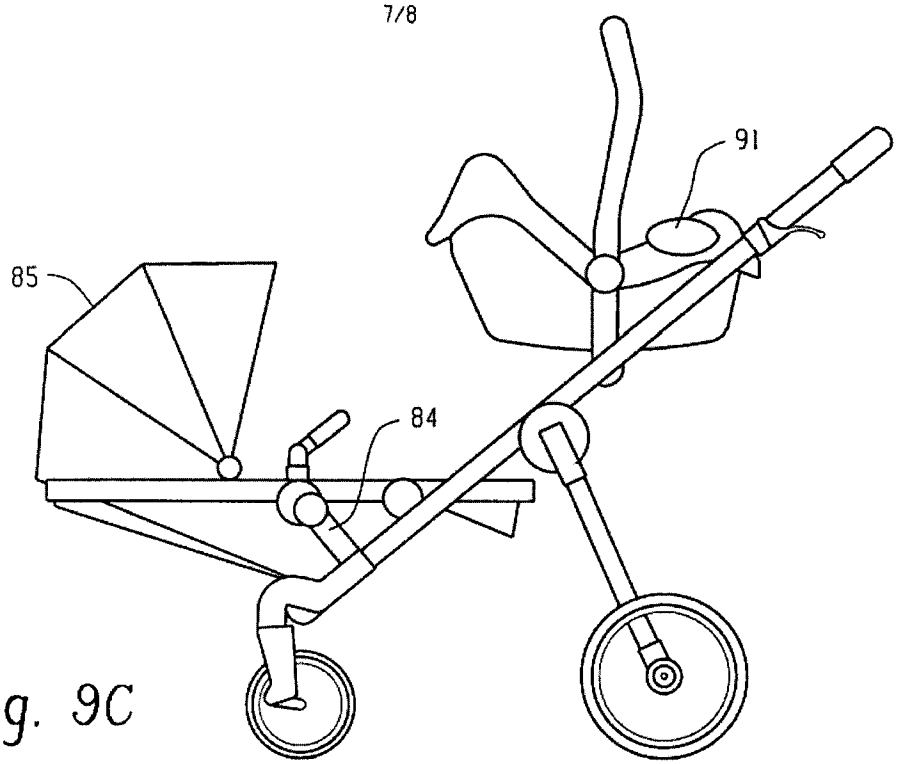


Fig. 9C

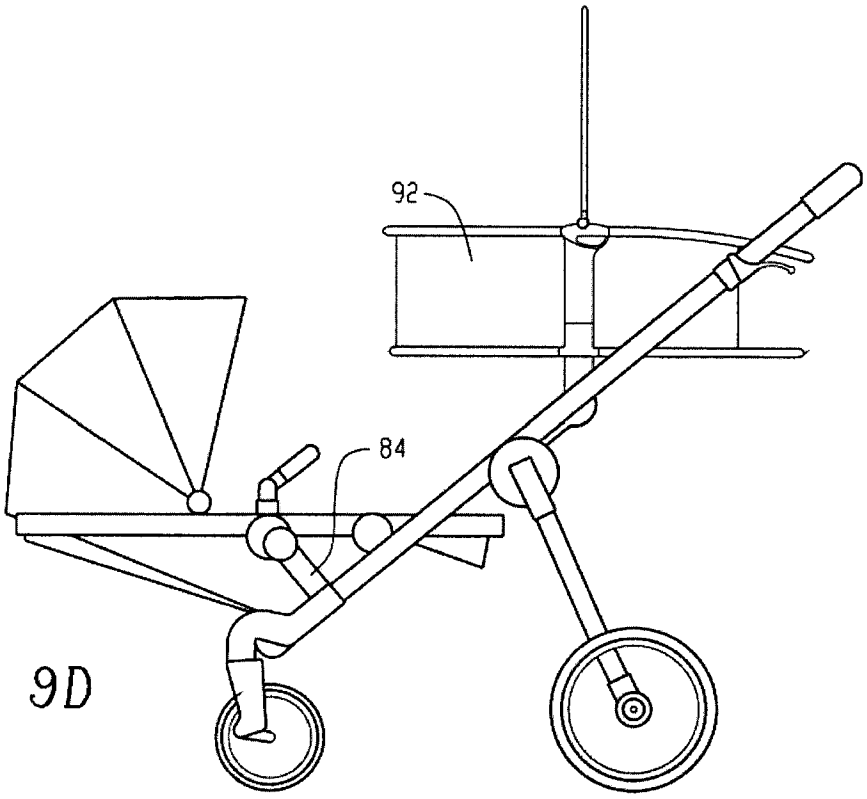


Fig. 9D

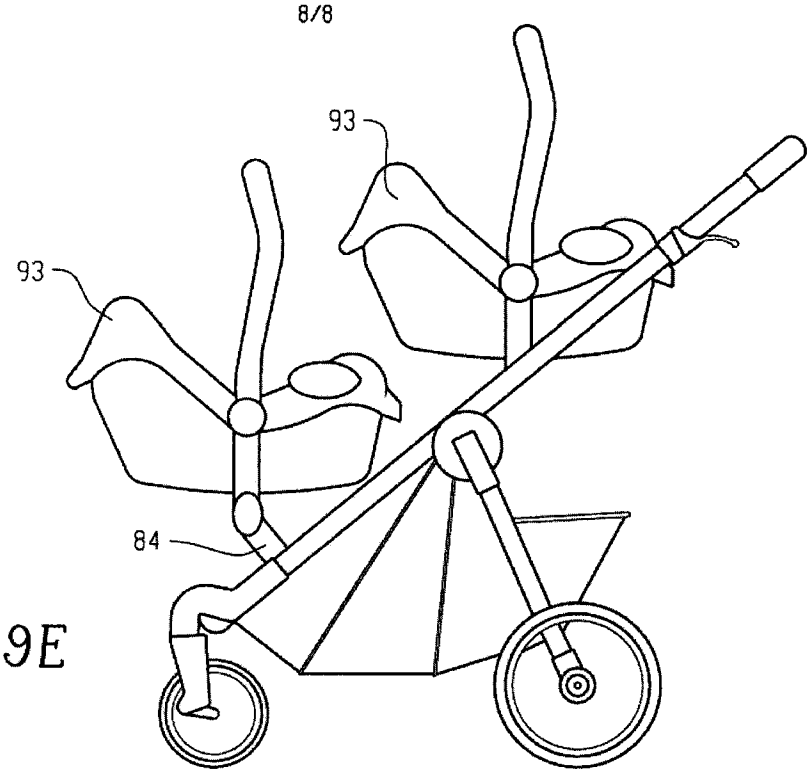


Fig. 9E

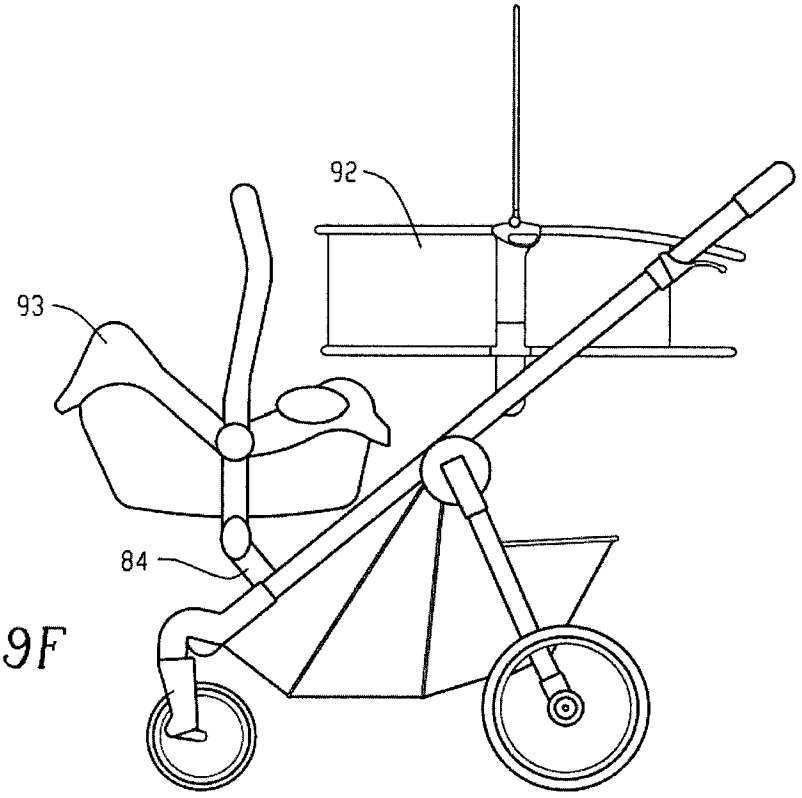


Fig. 9F

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DYN005
	Application Number	
Title of Invention	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.)

Applicant Information:

Applicant 1

Applicant Authority ◉ Inventor ○ Legal Representative under 35 U.S.C. 117 ○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Mark		Zehfuss	

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

City	Glen Allen	State/Province	VA	Country of Residence	US

Citizenship under 37 CFR 1.41(b)

Mailing Address of Applicant:

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Address 2			
City	Glen Allen	State/Province	VA
Postal Code	23059	Country	US

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	06980		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	SEAT ATTACHMENT FOR A STROLLER		
Attorney Docket Number	DYN005	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	8	Suggested Figure for Publication (if any)	

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DYN005
	Application Number	
Title of Invention	SEAT ATTACHMENT FOR A STROLLER	

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.

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). Enter either 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	006980		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this 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(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	non provisional of	61/119920	2008-12-04

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 benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. 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(a).

Remove

Application Number	Country	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			◉ Yes ○ No

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

Assignee Information:

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

Assignee 1

PTO/SB/14 (11-08)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DYN005
	Application Number	
Title of Invention	SEAT ATTACHMENT FOR A STROLLER	

If the Assignee is an Organization check here. ☒			
Organization Name	Dynamic Brands, LLC		
Mailing Address Information:			
Address 1	8575 Magellan Parkway, Suite 1000		
Address 2			
City	Richmond	**State/Province**	VA
Country	US	Postal Code	23227
Phone Number		Fax Number	
Email Address			
Additional Assignee Data may be generated within this form by selecting the **Add** button.			

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.

Signature				Date (YYYY-MM-DD)	2009-12-04
First Name	Bernard G.	Last Name	Pike	Registration Number	46993

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.**

ASSIGNMENT

WHEREAS, I, **MARK ZEHFUSS** ("ASSIGNOR"), have invented certain improvements in **SEAT ATTACHMENT FOR A STROLLER**, for which a US patent application was filed on December 4, 2009 claiming priority to US provisional patent application number 61/119,920 filed on December 4, 2008, ("Application"), and whereas **Dynamic Brands, LLC**, a limited liability company of the Commonwealth of Virginia, USA and having an address at 8575 Magellan Parkway, Suite 1000, Richmond, VA 23227 ("ASSIGNEE") desires to own all the rights in same;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR has and by these presents does hereby sell, assign, transfer and convey unto said ASSIGNEE the full, exclusive and entire right, title, and interest in and to said Application, including in and to any division, continuation, continuation-in-part, substitution, reissue, renewal, reexam, or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon (herein collectively referred to as "Related US Applications"), preparatory to obtaining Letters Patent of the United States therefor; and ASSIGNOR hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Application and Related US Applications, to ASSIGNEE, for its interest and for the sole use and benefit of ASSIGNEE and its assigns and legal representatives.

For the same consideration, ASSIGNOR, by these presents does sell, assign, and transfer to ASSIGNEE the full, exclusive, and entire right, title and interest in and to any foreign and international applications related to and/or seeking benefit of said Application and Related US Applications, and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Patent and similar protective rights granted on said Related Foreign Applications, and in and to the right to claim any applicable priority rights arising from or required for said Related Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed and issued in the name of ASSIGNEE or its designee, insofar as permitted by applicable law.

For the same consideration, ASSIGNOR agrees, without charge to ASSIGNEE, but at ASSIGNEE'S expense, to sign all lawful papers, execute said Application, Related US Applications and Related Foreign Applications, make all assignments and rightful oaths, assist in prosecution of said Application, Related US Applications and Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything reasonably possible to aid ASSIGNEE its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

AND, for the same consideration, ASSIGNOR also hereby sells, assigns and transfers unto ASSIGNEE all rights and claims to sue for damages and other remedies with respect to any and all past infringement of all said Application, Related US Applications, and Related Foreign

Applications, including said inventions and improvements which may have occurred before the date of this Assignment.

MARK ZEHFUSS

12-4-09
Date

1887813v1

Doc Code: Oath
Document Description: Oath or declaration filed

PTO/SB/01 (04-09)
Approved for use through 06/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

☒ Declaration Submitted With Initial Filing OR ☐ Declaration Submitted After Initial Filing (surcharge (37 CFR 1.16(f)) required)

Attorney Docket Number	DYN005
First Named Inventor	Mark Zehfuss
COMPLETE IF KNOWN	
Application Number	
Filing Date	12-04-2009
Art Unit	
Examiner Name	

I hereby declare that: (1) Each inventor's residence, mailing address, and citizenship are as stated below next to their name; and (2) I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

SEAT ATTACHMENT FOR A STROLLER

(Title of the Invention)

the application of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) _____ as United States Application Number or PCT International Application Number _____ and was amended on (MM/DD/YYYY) _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Authorization To Permit Access To Application by Participating Offices

☒ If 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 World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified patent application is filed to have access to the above-identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 21 minutes 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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DECLARATION — Utility or Design Patent Application

Claim of Foreign Priority Benefits

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	NO
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐

☐ Additional foreign application number(s) are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

PTO/SB/01 (04-09)
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DECLARATION — Utility or Design Patent Application

Direct all correspondence to:	☒ The address associated with Customer Number:	006980	OR ☐	Correspondence address below

Name		
Address		
City	State	Zip
Country	Telephone	Email

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: *Patent Application Files*. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: *Deposit Accounts and Electronic Funds Transfer Profiles*.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:	☐ A petition has been filed for this unsigned inventor
Given Name (first and middle [if any])	Family Name or Surname
Mark	Zehfuss

Inventor's Signature	Date
Mark Zehfuss	12-04-2009

Residence: City	State	Country	Citizenship
Glen Allen	VA	US	US

Mailing Address			
5120 Austin Healey Drive			
City	State	Zip	Country
Glen Allen	VA	23059	USA

☐ Additional inventors or a legal representative are being named on the _____ supplemental sheet(s) PTO/SB/02A or 02LR attached hereto

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Filer:	Bernard Pike/Josephine Strulson
Attorney Docket Number:	DYN005

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	82	82
Utility Search Fee	2111	1	270	270
Utility Examination Fee	2311	1	110	110
Pages:				
Claims:				
Claims in excess of 20	2202	14	26	364
Miscellaneous-Filing:				
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	826

Electronic Acknowledgement Receipt

EFS ID:	6577197
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	06980
Filer:	Bernard Pike/Josephine Strulson
Filer Authorized By:	Bernard Pike
Attorney Docket Number:	DYN005
Receipt Date:	04-DEC-2009
Filing Date:	
Time Stamp:	16:10:22
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$826
RAM confirmation Number	2646
Deposit Account	201507
Authorized User	

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 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	DYN005TRANSMITTALLETTER.pdf	72723 fcd9e05f843989455926bc79f7ce67f829ca728c	no	1
Warnings:					
Information:					
2	Fee Worksheet (PTO-875)	DYN005FEETRANSMITTAL.pdf	75547 ddafd3c398f010b1df36d4d961e8c446f94bd847	no	1
Warnings:					
Information:					
3		DYN005SPECIFICATION.pdf	1118056 f7798ee3ff6e7d02ebf0f9c907337fb3c30fd784	yes	27

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	14
Claims	15	18
Abstract	19	19
Drawings-only black and white line drawings	20	27

Warnings:					
Information:					
4	Application Data Sheet	DYN005ADS.pdf	174897 6d7f86463c421f980c0a7f403f25ab13aced8891	no	3
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
5	Assignee showing of ownership per 37 CFR 3.73(b).	DYN005ASSIGNMENT.pdf	82761 96bf13f91599e13662f76b38fb897fca975e4859	no	2
Warnings:					
Information:					
6	Oath or Declaration filed	DYN005DECLARATION.pdf	161858 dbb1d3d4ada999e9d590e12241720487e9cf5e93	no	3
Warnings:					

Information:					
7	Fee Worksheet (PTO-875)	fee-info.pdf	36771 69b6d3c29c75ec9384e641ace11730d4bd8780e6	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	1722613	

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.

Electronic Acknowledgement Receipt

EFS ID:	6577197
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	06980
Filer:	Bernard Pike/Josephine Strulson
Filer Authorized By:	Bernard Pike
Attorney Docket Number:	DYN005
Receipt Date:	04-DEC-2009
Filing Date:	
Time Stamp:	16:10:22
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$826
RAM confirmation Number	2646
Deposit Account	201507
Authorized User	

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 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	DYN005TRANSMITTALLETTER.pdf	72723 fcd9e05f843989455926bc79f7ce67f829ca728c	no	1
Warnings:					
Information:					
2	Fee Worksheet (PTO-875)	DYN005FEETRANSMITTAL.pdf	75547 ddafd3c398f010b1df36d4d961e8c446f94bd847	no	1
Warnings:					
Information:					
3		DYN005SPECIFICATION.pdf	1118056 f7798ee3ff6e7d02ebf0f9c907337fb3c30fd784	yes	27

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	14
Claims	15	18
Abstract	19	19
Drawings-only black and white line drawings	20	27

Warnings:					
Information:					
4	Application Data Sheet	DYN005ADS.pdf	174897 6d7f86463c421f980c0a7f403f25ab13aced8891	no	3
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
5	Assignee showing of ownership per 37 CFR 3.73(b).	DYN005ASSIGNMENT.pdf	82761 96bf13f91599e13662f76b38fb897fca975e4859	no	2
Warnings:					
Information:					
6	Oath or Declaration filed	DYN005DECLARATION.pdf	161858 dbb1d3d4ada999e9d590e12241720487e9cf5e93	no	3
Warnings:					

Information:					
7	Fee Worksheet (PTO-875)	fee-info.pdf	36771 69b6d3c29c75ec9384e641ace11730d4bd8780e6	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	1722613	

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
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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.

PTO/SB/06 (12-04)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Filing Date: 12/04/2009

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/631,375

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	82		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	270		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	110		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	34	* 14	X 26=	364	OR	X 52=	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	4	* 1	X 110=	110		X 220=	
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $270 ($135 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))			N/A			N/A	
			TOTAL	936		TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED – PART II

		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDI-TIONAL FEE ($)		RATE ($)	ADDI-TIONAL FEE ($)
AMENDMENT A	Total (37 CFR 1.16(i))	*	Minus	**	=	X =		OR	X =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X =		OR	X =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					N/A		OR	N/A	
						TOTAL ADD'T FEE		OR	TOTAL ADD'T FEE	

		(Column 1)		(Column 2)	(Column 3)			OR		
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDI-TIONAL FEE ($)		RATE ($)	ADDI-TIONAL FEE ($)
AMENDMENT B	Total (37 CFR 1.16(i))	*	Minus	**	=	X =		OR	X =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X =		OR	X =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					N/A		OR	N/A	
						TOTAL ADD'T FEE		OR	TOTAL ADD'T FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. 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 12 minutes 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PATENT APPLICATION SERIAL NO._____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

12/17/2009 VVAN11 00000014 201507 12631375

01 FC:2201 110.00 DA

PTO-1556
(5/87)

*U.S. Government Printing Office: 2002- 489-267/69033

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
12/631,375	12/04/2009	3636	936	DYN005	34	4

CONFIRMATION NO. 1624

6980
TROUTMAN SANDERS LLP
BANK OF AMERICA PLAZA
600 PEACHTREE STREET, N.E.
SUITE 5200
ATLANTA, GA 30308-2216

FILING RECEIPT



Date Mailed: 12/24/2009

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Applicant(s)

Mark Zehfuss, Glen Allen, VA;

Assignment For Published Patent Application

Dynamic Brands, LLC, Richmond, VA

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/119,920 12/04/2008

Foreign Applications

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 12/17/2009

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/631,375**

Projected Publication Date: 06/10/2010

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****

Title

SEAT ATTACHMENT FOR A STROLLER

Preliminary Class

297

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

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Title 35, United States Code, Section 184

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/631,375	12/04/2009	Mark Zehfuss	DYN005

CONFIRMATION NO. 1624

6980
TROUTMAN SANDERS LLP
5200 BANK OF AMERICA PLAZA
600 PEACHTREE STREET, N.E.
SUITE 5200
ATLANTA, GA 30308-2216

PUBLICATION NOTICE

OC00000042027156

Title:SEAT ATTACHMENT FOR A STROLLER

Publication No.US-2010-0140902-A1
Publication Date:06/10/2010

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

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PTO/SB/08a (07-09)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	12/631,375
Filing Date	December 4, 2009
First Named Inventor	ZEHFUSS, MARK
Art Unit	3618
Examiner Name	MEYER, JACOB B.
Attorney Docket Number	DYN005

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,338,096	08-16-1994	Huang	
		US- 20070114738	05-24-2007	Jones, et al	
		US- 20070001429	01-04-2007	Maciejczyk	
		US- 20030025304	02-06-2003	Haeggberg	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]–Number[4]–Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

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EFS ID:	8029389
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	06980
Filer:	Bernard Pike/Bernadette Haxhaj
Filer Authorized By:	Bernard Pike
Attorney Docket Number:	DYN005
Receipt Date:	16-JUL-2010
Filing Date:	04-DEC-2009
Time Stamp:	10:26:58
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed (SB/08)	DYN005IDS.pdf	143078 4bb8c44730bcb2e497d3835e128e5675745a4319	no	1

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New International Application Filed with the USPTO as a Receiving Office
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.	:	12/631,375
	:	
First Named Inventor	:	Mark Zehfuss
Filing Date	:	December 4, 2009
Art Unit	:	3618
Examiner	:	Jacob B. Meyer
	:	
Docket No.	:	DYN005
Customer No.	:	006980

August 10, 2010

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Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Preliminary Amendment

Sir:

Prior to examination of the patent application referenced above, Applicants respectfully request entry of the following amendments and consideration of the following remarks prior to further examination of the subject application.

Claim Listing begin on page 2; and

Remarks begin on page 9.

CLAIM LISTING

1. (Original) A seat attachment for a stroller, comprising:

an attachment frame member comprising a connector portion capable of connecting to a stroller frame; and

a seat support element capable of supporting a seat;

2. (Original) The seat attachment of claim 1, comprising:

a wheel.

3. (Original) The seat attachment for a stroller of claim 2, further comprising a wheel support frame connecting the wheel to the attachment frame member.

4. (Original) The seat attachment for a stroller of claim 3, wherein the wheel support frame is pivotally connected to the attachment frame member.

5. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is pivotally connected near the middle of the attachment frame member.

6. (Original) The seat attachment for a stroller of claim 5, further comprising a folding mechanism.

7. (Original) The seat attachment for a stroller of claim 6, wherein the folding mechanism comprises a sliding connector slidingly connected to the attachment frame member and a strut having a first end connected to the sliding member and a second end connected to the wheel support frame.

8. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is capable of pivoting from a first position to a second position.

9. (Original) The seat attachment for a stroller of claim 8, wherein the first position is a locked and in-use position and the second position is an unlocked and folded position.

10. (Original) The seat attachment for a stroller of claim 1, wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram.

11. (Original) The seat attachment for a stroller of claim 1, wherein the attachment frame member has a first end and a second end.

12. (Original) The seat attachment for a stroller of claim 11, wherein the first end is capable of connecting to a stroller frame.

13. (Original) The seat attachment for a stroller of claim 12, wherein the second end is connected to the seat attachment member.

14. (Original) The seat attachment for a stroller of claim 1, wherein the seat support element is capable of supporting a seat in either a forward or backward position.

15. (Original) The seat attachment for a stroller of claim 1, further comprising a stroller seat, wherein the seat support element is capable of supporting the stroller seat in either a forward or backward position.

16. (Original) A double stroller, comprising:

a stroller frame comprising wheels, a frame, a first seat and an attachment frame member connected to the frame;

a seat attachment comprising a wheel, a second seat, and a connector portion capable of connecting to the attachment frame member.

17. (Original) The double stroller of claim 12, wherein the connector portion is capable of being releasably connected to the attachment frame member.

18. (Original) The double stroller of claim 12, wherein the second seat is releasably connected to the seat support element.

19. (Original) The double stroller of claim 18, wherein the seat support element is capable of supporting the second seat in either a forward or backward position.

20. (Original) A double stroller, comprising:

a first seat attachment capable of removably supporting a child seat; and

a second seat attachment capable of supporting a child seat.

21. (Original) The double stroller of claim 20, wherein each seat attachment comprises two seat connector portions.

22. (Original) The double stroller of claim 20, wherein the child seat is one of a stroller seat, a baby carrier, a bassinet, a pram, or a car seat.

23. (Original) The double stroller of claim 20, comprising a frame, wherein the frame comprises a handle portion, a front wheel support portion and a back wheel support portion.

24. (Original) The double stroller of claim 23, wherein a first seat attachment is adjacent to the front wheel support portion.

25. (Original) The double stroller of claim 24, wherein the first seat attachment is above at least one front wheel connected to the wheel support portion.

26. (Original) The double stroller of claim 25, wherein the second seat attachment is adjacent to the handle portion.

27. (Original) The double stroller of claim 23, further comprising a folding mechanism that connects the handle portion, the front wheel support portion, and the back wheel support portion.

28. (Original) A stroller, comprising:

a frame;

at least one front wheel;

at least one rear wheel;

a stroller seat; and

a seat attachment portion capable of supporting a second seat in front of the stroller seat.

29. (Original) The stroller of claim 28, wherein the seat attachment portion comprises two seat connectors.

30. (Original) The stroller of claim 29, wherein the seat attachment portion is removably connected to the frame.

31. (Original) The stroller of claim 30, wherein the seat attachment portion comprises two portions each comprising one seat connector.

32. (Original) The stroller of claim 30, wherein the frame comprises a sleeve for removably connecting the seat attachment portion to the frame.

33. (Original) The stroller of claim 28, wherein the second seat is one seat selected from a stroller seat, an infant carrier, a bassinet, a pram, or a car seat.

34. (Original) The stroller of claim 33, wherein the second seat is integral to the seat attachment portion.

35. (New) A stroller, comprising:

a first stroller seat reversibly and releasably connected to a stroller frame; and

a seat attachment for converting a single stroller into a double stroller, the seat attachment comprising at least one connector portion connected to an attachment portion of the stroller frame and a seat support element supporting a second seat.

36. (New) The stroller of claim 35, wherein the first stroller seat is releasably connected in a backward position.

37. (New) The stroller of claim 36, wherein the second stroller seat is one of a stroller seat, a car seat, or a bassinet.

38. (New) The single stroller of claim 40, wherein the second seat is a bassinet or a car seat.

39. (New) The stroller of claim 36, wherein the frame further comprises two folding mechanisms.

40. (New) The stroller of claim 36, wherein the first seat comprises a releasable connection including a button or a locking tab.

41. (New) The stroller of claim 36, comprising a pair of front wheels and a pair of back wheels.

42. (New) The stroller of claim 41, wherein the front wheels pivot and the back wheels are fixed.

43. (New) The stroller of claim 36, wherein the stroller frame comprises two attachment frame members and the seat attachment comprises at least one seat attachment member

44. (New) The stroller of claim 43, wherein one of the two attachment frame members is a right side attachment frame member and the other attachment frame member is a left attachment frame member.

45. (New) The stroller of claim 43, wherein the seat attachment member comprises a seat attachment comprises two seat support elements.

46. (New) The stroller of claim 45, wherein the seat attachment comprises a corresponding a connector portion capable of connecting to the stroller frame at the attachment frame members.

47. (New) The stroller of claim 46, wherein the connector portion of the seat attachment has a cylindrical shape.

48. (New) The stroller of claim 47, wherein the attachment frame member has a cylindrical recess.

49. (New) The stroller of claim 48, wherein the connector portion of the seat attachment is inserted in the cylindrical recess.

50. (New) The stroller of claim 46, wherein the connector portion is tubular construction.

51. (New) The stroller of claim 46, wherein the connector portion has a circular cross-sectional shape.

52. (New) The stroller of claim 46, wherein the seat attachment is a U-Shaped bracket.

53. (New) The stroller of claim 46, wherein the attachment frame member has a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion.

54. (New) The stroller of claim 35, wherein the seat support element is capable of supporting a car seat either a forward or backward position.

55. (New) The stroller of claim 35, wherein the seat support member is capable of supporting a car seat or other baby seat.

56. (New) The stroller of claim 55, wherein the wherein the seat support member comprises a main support.

57. (New) The stroller of claim 56, wherein the wherein the main support comprises a cradle for supporting the central portion of the car seat.

58. (New) A stroller capable of being converted to a double stroller, comprising:

a releasably connected first seat, wherein the seat is one of a stroller seat, a car seat, or a bassinet and the seat may be attached in a forward or backward facing position; and

a releasably connected second seat, wherein the second seat is on of a stroller seat, a car seat, or a bassinet and the car seat or the bassinet may be attached in a forward or backward facing position.

59. (New) The stroller of claim 58, wherein the first seat is a stroller seat.

60. (New) The stroller of claim 58, wherein the first seat is a bassinet.

61. (New) The stroller of claim 59, wherein the second seat is a car seat.

62. (New) The stroller of claim 59, wherein the second seat is a stroller seat.

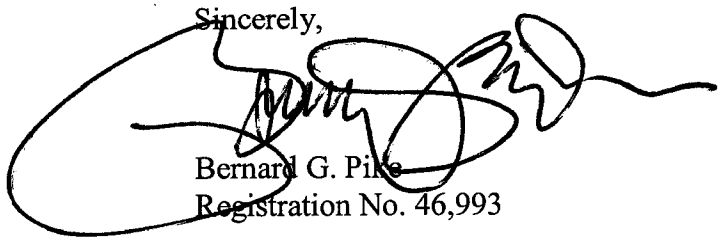
REMARKS

Claims 1 to 34 were pending in the international patent application. Applicants respectfully submit that new Claims 35 to 62 have been added and find support in the original claim set and the specification as originally filed.

CONCLUSIONS

Applicants respectfully request consideration of the claims pending in the subject application and issuance of a Notice of Allowability. Should the Examiner have any remaining concerns, he is requested to contact the undersigned at the telephone number given below so that the concerns may be resolved without issuance of an additional Office Action.

Sincerely,



Bernard G. Pike
Registration No. 46,993

Troutman Sanders LLP
600 Peachtree Street, N.E., Suite 5200
Atlanta, GA 30308-2216
Telephone: 804-697-1243
Facsimile: 804-698-5171

Electronic Patent Application Fee Transmittal

Application Number:	12631375
Filing Date:	04-Dec-2009
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Filer:	Bernard Pike/Hazel Gianatiempo
Attorney Docket Number:	DYN005

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Claims in excess of 20	2202	28	26	728
Independent claims in excess of 3	2201	2	110	220
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**948**

Electronic Acknowledgement Receipt

EFS ID:	8186258
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	06980
Filer:	Bernard Pike/Hazel Gianatiempo
Filer Authorized By:	Bernard Pike
Attorney Docket Number:	DYN005
Receipt Date:	10-AUG-2010
Filing Date:	04-DEC-2009
Time Stamp:	11:30:51
Application Type:	Utility under 35 USC 111(a)

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Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$948
RAM confirmation Number	7668
Deposit Account	201507
Authorized User	

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	DYN005TRANSMITTALLETTER.pdf	61291 5de4f2aca95fe0423dcc2cc635b41375494a285c	no	1
Warnings:					
Information:					
2	Fee Worksheet (PTO-875)	DYN005FEETRANSMITTAL.pdf	74331 2f4cf277ba867c72c99689765f34b3f070b4daf4	no	1
Warnings:					
Information:					
3	Preliminary Amendment	DYN005PRELIMINARYAMENDMENT.pdf	263394 1e7657f2178676c23c4ca7b9ffa30285159b23fb	no	9
Warnings:					
Information:					
4	Fee Worksheet (PTO-875)	fee-info.pdf	32020 62dfcc2876551155e9797cd575f89a18efd1e43f	no	2
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<u>New International Application Filed with the USPTO as a Receiving Office</u>
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Document Description: Transmittal Letter

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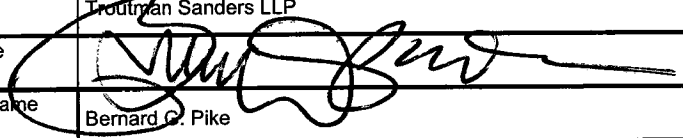
Application Number	12/631,375
Filing Date	December 4, 2009
First Named Inventor	Mark Zehfuss
Art Unit	3618
Examiner Name	Jacob B. Meyer
Attorney Docket Number	DYN005

ENCLOSURES *(Check all that apply)*

- ☑ Fee Transmittal Form
  - ☐ Fee Attached
- ☑ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Reply to Missing Parts/ Incomplete Application
  - ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
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- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC **(Appeal Notice, Brief, Reply Brief)**
- ☐ Proprietary Information
- ☐ Status Letter
- ☐ Other Enclosure(s) (please Identify below):

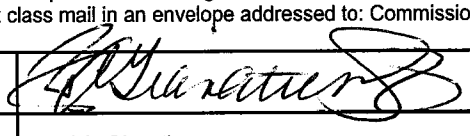
Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Troutman Sanders LLP		
Signature			
Printed name	Bernard G. Pike		
Date	August 10, 2010	Reg. No.	46993

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Hazel A. Gianatiempo	Date	August 10, 2010

This collection of information is required by 37 CFR 1.5. 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 and1.14. This collection is estimated to 2 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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PTO/SB/17 (10-08)
Approved for use through 09/30/2010. OMB 0651-0032
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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2009

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT ($) 948

Complete if Known	
Application Number	12/631,375
Filing Date	December 4, 2009
First Named Inventor	Mark Zehfuss
Examiner Name	Jacob B. Meyer
Art Unit	3618
Attorney Docket No.	DYN005

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☑ Deposit Account Deposit Account Number: 20-1507 Deposit Account Name: Troutman Sanders LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☑ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**

☑ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☑ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

	FILING FEES		SEARCH FEES		EXAMINATION FEES		
		Small Entity		Small Entity		Small Entity	
Application Type	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fees Paid ($)
Utility	330	165	540	270	220	110	
Design	220	110	100	50	140	70	
Plant	220	110	330	165	170	85	
Reissue	330	165	540	270	650	325	
Provisional	220	110	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee ($)	Small Entity Fee ($)
Each claim over 20 (including Reissues)	52	26
Each independent claim over 3 (including Reissues)	220	110
Multiple dependent claims	390	195

Total Claims		Extra Claims		Fee ($)		Fee Paid ($)
62	- 20 or HP =	28	x	26	=	728

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims		Extra Claims		Fee ($)		Fee Paid ($)
6	- 3 or HP =	2	x	110	=	220

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims	
Fee ($)	Fee Paid ($)
	948

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is $270 ($135 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets		Extra Sheets		Number of each additional 50 or fraction thereof		Fee ($)		Fee Paid ($)
	- 100 =		/ 50 =		(round up to a whole number) x		=	

4. OTHER FEE(S)

	Fees Paid ($)
Non-English Specification, $130 fee (no small entity discount)	
Other (e.g., late filing surcharge):	

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 46993	Telephone 804-697-1243
Name (Print/Type)	Bernard G. Pike		Date August 10, 2010

This collection of information is required by 37 CFR 1.136. 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 30 minutes 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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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/631,375	Filing Date 12/04/2009	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☒		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	08/10/2010	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 62	Minus	** 34	= 28	X $26 =	728	OR	X $ =	
	Independent (37 CFR 1.16(h))	* 6	Minus	***4	= 2	X $110 =	220	OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE	948	OR	TOTAL ADD'L FEE	

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/ROSA HOLLAND/

This collection of information is required by 37 CFR 1.16. 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 12 minutes 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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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	12/04/2009	Mark Zehfuss	DYN005	1624

6980 7590 01/06/2012

TROUTMAN SANDERS LLP
5200 BANK OF AMERICA PLAZA
600 PEACHTREE STREET, N.E.
SUITE 5200
ATLANTA, GA 30308-2216

EXAMINER	
DOLAK, JAMES M	
ART UNIT	**PAPER NUMBER**
3618	

NOTIFICATION DATE	DELIVERY MODE
01/06/2012	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jim.schutz@troutmansanders.com
patents@troutmansanders.com
ryan.schneider@troutmansanders.com

Office Action Summary	Application No.	Applicant(s)	
	12/631,375	ZEHFUSS, MARK	
	Examiner	Art Unit	
	JAMES M. DOLAK	3618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *1* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *10 August 2010*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5)☒ Claim(s) *1-62* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☐ Claim(s) _____ is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☒ Claim(s) *1-62* are subject to restriction and/or election requirement.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

12)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☒ Other: *Election/Restriction Requirement*.

DETAILED ACTION

Election/Restrictions

1. This application contains claims directed to the following patentably distinct species:

a. **Species A – directed to the embodiment of Fig.1-3 (single stroller with seat attachment)**

b. **Species B – directed to the embodiment of Fig.4 (seat attachment capable of supporting a car seat)**

c. **Species C – directed to the embodiment of Fig.5 (single stroller attached to an embodiment of the attachment in the form of a tricycle-like riding device)**

d. **Species D – directed to the embodiment of Fig.6A-6B (accessory attachment for supporting an accessory on a stroller)**

e. **Species E – directed to the embodiment of Fig.7 (attachment for supporting a seat comprising one wheel)**

f. **Species F – directed to the embodiment of Fig.8-8A (stroller configured in reverse arrangement that is capable of being converted from a single stroller to a double stroller comprising an attachment portion that does not comprise a wheel and a storage basket attachment)**

g. **Species G – directed to the embodiment of Fig.9A (stroller with both seats attached in a backward facing configuration)**

h. **Species H – directed to the embodiment of Fig.9B (stroller with seat attached in a backward facing configuration and infant carrier attached in backward facing configuration with a storage basket attachment)**

i. **Species I – directed to the embodiment of Fig.9C (stroller with front seat attached in a backward facing configuration and placed over front wheel for added stability and infant carrier attached in backward facing configuration)**

j. **Species J – directed to the embodiment of Fig.9D (stroller with seat attached in a backward facing configuration placed over front wheel for added stability and pram attached)**

k. **Species K – directed to the embodiment of Fig.9E (stroller with two infant carriers attached in backward facing configuration and a storage basket attachment)**

l. **Species L – directed to the embodiment of Fig.9F (stroller with one infant carrier attached in a backward facing configuration and pram attached with a storage basket attachment)**

2. The species are independent or distinct because each of Species A-L is directed to a various different strollers and/or stroller attachments. The related inventions are distinct if: (1) the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect; (2) the inventions do not overlap in scope, i.e., are mutually exclusive; and (3) the inventions as claimed are not obvious variants. See MPEP § 806.05(j). In the instant case, the

inventions as claimed are materially different in design. Furthermore, the inventions as claimed do not encompass overlapping subject matter and there is nothing of record to show them to be obvious variants.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species, or a single grouping of patentably indistinct species, for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, as best understood, no claims appear generic. However, Applicant is advised to also determine whether any of the claims appear generic to all of the above species.

There is a search and/or examination burden for the patentably distinct species as set forth above because at least the following reason(s) apply: the species of patentably distinct inventions require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search strategies or search queries).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or a grouping of patentably indistinct species to be examined even though the requirement may be traversed (37 CFR 1.143) **and (ii) identification of the claims encompassing the elected species or grouping of patentably indistinct species**, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

The election may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and

specifically point out supposed errors in the election of species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected species or grouping of patentably indistinct species.

Should applicant traverse on the ground that the species, or groupings of patentably indistinct species from which election is required, are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing them to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the species unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other species.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141.

3. A telephone call was made to Matthew Osborne (Applicant's Representative) on 12/22/2011 to request an oral election to the above restriction requirement, but did not result in an election being made.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES M. DOLAK whose telephone number is

(571)270-7757. The examiner can normally be reached on M-F 730AM-5PM (first Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J.Allen Shriver can be reached on (571) 272-6698. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JAMES M DOLAK/
Examiner, Art Unit 3618

/Jeffrey J Restifo/
Primary Examiner, Art Unit 3618

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number	:	12/631,375	Confirmation No. :	1624
Applicant	:	Zehfuss, Mark		
Filed	:	December 4, 2009		
Title	:	**SEAT ATTACHMENT FOR A STROLLER**		
Art Unit	:	3618		
Examiner	:	DOLAK, James M.		
Docket No.	:	DYN005		
Customer No.	:	**006980**		

RESPONSE AFTER FINAL REJECTION

Mail Stop **Amendment**
Honorable Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The *Restriction Requirement* from Examiner James M. Dolak, dated January 6, 2012, has been received and carefully reviewed. In response thereto, Applicant withdraws Claims 20-27 and 58-62.

In accordance with 37 CFR § 1.8, I hereby certify that this correspondence is being filed with the United States Patent and Trademark Office, through the EFS-WEB system on, **May 7, 2012**.

/ Matthew C. Osborne, Reg. #61495/
Matthew C. Osborne - Reg. No. 61,495

2155152v1

IN THE CLAIMS

This listing of the claims replaces all prior versions, and listings, of claims in the Application:

1. (Original) A seat attachment for a stroller, comprising:

an attachment frame member comprising a connector portion capable of connecting to a stroller frame; and

a seat support element capable of supporting a seat;

2. (Original) The seat attachment of claim 1, comprising:

a wheel.

3. (Original) The seat attachment for a stroller of claim 2, further comprising a wheel support frame connecting the wheel to the attachment frame member.

4. (Original) The seat attachment for a stroller of claim 3, wherein the wheel support frame is pivotally connected to the attachment frame member.

5. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is pivotally connected near the middle of the attachment frame member.

6. (Original) The seat attachment for a stroller of claim 5, further comprising a folding mechanism.

7. (Original) The seat attachment for a stroller of claim 6, wherein the folding mechanism comprises a sliding connector slidingly connected to the attachment frame member and a strut having a first end connected to the sliding member and a second end connected to the wheel support frame.

8. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is capable of pivoting from a first position to a second position.

9. (Original) The seat attachment for a stroller of claim 8, wherein the first position is a locked and in-use position and the second position is an unlocked and folded position.

10. (Original) The seat attachment for a stroller of claim 1, wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram.

11. (Original) The seat attachment for a stroller of claim 1, wherein the attachment frame member has a first end and a second end.

12. (Original) The seat attachment for a stroller of claim 11, wherein the first end is capable of connecting to a stroller frame.

13. (Original) The seat attachment for a stroller of claim 12, wherein the second end is connected to the seat attachment member.

14. (Original) The seat attachment for a stroller of claim 1, wherein the seat support element is capable of supporting a seat in either a forward or backward position.

15. (Original) The seat attachment for a stroller of claim 1, further comprising a stroller seat, wherein the seat support element is capable of supporting the stroller seat in either a forward or backward position.

16. (Original) A double stroller, comprising:

a stroller frame comprising wheels, a frame, a first seat and an attachment frame member connected to the frame;

a seat attachment comprising a wheel, a second seat, and a connector portion capable of connecting to the attachment frame member.

17. (Original) The double stroller of claim 12, wherein the connector portion is capable of being releasably connected to the attachment frame member.

18. (Original) The double stroller of claim 12, wherein the second seat is releasably connected to the seat support element.

19. (Original) The double stroller of claim 18, wherein the seat support element is capable of supporting the second seat in either a forward or backward position.

20. (Withdrawn) A double stroller, comprising:
a first seat attachment capable of removably supporting a child seat; and
a second seat attachment capable of supporting a child seat.

21. (Withdrawn) The double stroller of claim 20, wherein each seat attachment comprises two seat connector portions.

22. (Withdrawn) The double stroller of claim 20, wherein the child seat is one of a stroller seat, a baby carrier, a bassinet, a pram, or a car seat.

23. (Withdrawn) The double stroller of claim 20, comprising a frame, wherein the frame comprises a handle portion, a front wheel support portion and a back wheel support portion.

24. (Withdrawn) The double stroller of claim 23, wherein a first seat attachment is adjacent to the front wheel support portion.

25. (Withdrawn) The double stroller of claim 24, wherein the first seat attachment is above at least one front wheel connected to the wheel support portion.

26. (Withdrawn) The double stroller of claim 25, wherein the second seat attachment is adjacent to the handle portion.

27. (Withdrawn) The double stroller of claim 23, further comprising a folding mechanism that connects the handle portion, the front wheel support portion, and the back wheel support portion.

28. (Original) A stroller, comprising:

a frame;

at least one front wheel;

at least one rear wheel;

a stroller seat; and

a seat attachment portion capable of supporting a second seat in front of the stroller seat.

29. (Original) The stroller of claim 28, wherein the seat attachment portion comprises two seat connectors.

30. (Original) The stroller of claim 29, wherein the seat attachment portion is removably connected to the frame.

31. (Original) The stroller of claim 30, wherein the seat attachment portion comprises two portions each comprising one seat connector.

32. (Original) The stroller of claim 30, wherein the frame comprises a sleeve for removably connecting the seat attachment portion to the frame.

33. (Original) The stroller of claim 28, wherein the second seat is one seat selected from a stroller seat, an infant carrier, a bassinet, a pram, or a car seat.

34. (Original) The stroller of claim 33, wherein the second seat is integral to the seat attachment portion.

35. (Previously presented)A stroller, comprising:

a first stroller seat reversibly and releasably connected to a stroller frame; and

a seat attachment for converting a single stroller into a double stroller, the seat attachment comprising at least one connector portion connected to an attachment portion of the stroller frame and a seat support element supporting a second seat.

36. (Previously presented) The stroller of claim 35, wherein the first stroller seat is releasably connected in a backward position.

37. (Previously presented) The stroller of claim 36, wherein the second stroller seat is one of a stroller seat, a car seat, or a bassinet.

38. (Previously presented) The single stroller of claim 40, wherein the second seat is a bassinet or a car seat.

39. (Previously presented) The stroller of claim 36, wherein the frame further comprises two folding mechanisms.

40. (Previously presented) The stroller of claim 36, wherein the first seat comprises a releasable connection including a button or a locking tab.

41. (Previously presented) The stroller of claim 36, comprising a pair of front wheels and a pair

of back wheels.

42. (Previously presented) The stroller of claim 41, wherein the front wheels pivot and the back wheels are fixed.

43. (Previously presented) The stroller of claim 36, wherein the stroller frame comprises two attachment frame members and the seat attachment comprises at least one seat attachment member

44. (Previously presented) The stroller of claim 43, wherein one of the two attachment frame members is a right side attachment frame member and the other attachment frame member is a left attachment frame member.

45. (Previously presented) The stroller of claim 43, wherein the seat attachment member comprises a seat attachment comprises two seat support elements.

46. (Previously presented) The stroller of claim 45, wherein the seat attachment comprises a corresponding a connector portion capable of connecting to the stroller frame at the attachment frame members.

47. (Previously presented) The stroller of claim 46, wherein the connector portion of the seat attachment has a cylindrical shape.

48. (Previously presented) The stroller of claim 47, wherein the attachment frame member has a cylindrical recess.

49. (Previously presented) The stroller of claim 48, wherein the connector portion of the seat attachment is inserted in the cylindrical recess.

50. (Previously presented) The stroller of claim 46, wherein the connector portion is tubular construction.

51. (Previously presented) The stroller of claim 46, wherein the connector portion has a circular cross-sectional shape.

52. (Previously presented) The stroller of claim 46, wherein the seat attachment is a U-Shaped bracket.

53. (Previously presented) The stroller of claim 46, wherein the attachment frame member has a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion.

54. (Previously presented) The stroller of claim 35, wherein the seat support element is capable of supporting a car seat either a forward or backward position.

55. (Previously presented) The stroller of claim 35, wherein the seat support member is capable of supporting a car seat or other baby seat.

56. (Previously presented) The stroller of claim 55, wherein the wherein the seat support member comprises a main support.

57. (Previously presented) The stroller of claim 56, wherein the wherein the main support comprises a cradle for supporting the central portion of the car seat.

58. (Withdrawn) A stroller capable of being converted to a double stroller, comprising:

a releasably connected first seat, wherein the seat is one of a stroller seat, a car seat, or a bassinet and the seat may be attached in a forward or backward facing position; and

a releasably connected second seat, wherein the second seat is on of a stroller seat, a car seat, or a bassinet and the car seat or the bassinet may be attached in a forward or backward facing position.

59. (Withdrawn) The stroller of claim 58, wherein the first seat is a stroller seat.

60. (Withdrawn) The stroller of claim 58, wherein the first seat is a bassinet.

61. (Withdrawn) The stroller of claim 59, wherein the second seat is a car seat.

62. (Withdrawn) The stroller of claim 59, wherein the second seat is a stroller seat.

REMARKS

1. Status of the Claims

By the *Office Action*, Claims 1-62 are pending in the Application, and subject to restriction. Applicant herein withdraws Claims 20-27 and 58-62, electing Species A.

While Applicant herein shows the status of Claims 20-27 and 58-62 being "withdrawn," Applicant respectfully requests the Examiner remove the present election requirement as detailed below, and if so removed, respectfully requests the status of Claims 20-27 and 58-62 be changed by Examiner's Amendment back to "original" from withdrawn.

2. Reconsideration Request

Applicant respectfully asserts that the election requirement is not proper and respectfully traverses the restriction requirement. Pursuant to 37 CFR § 1.143, Applicant respectfully requests reconsideration of the restriction requirement. Applicant submits that Claims 20-27 and 58-62 are not separate inventions as defined by 35 U.S.C. § 121.

Since all groups cited in the Office Action relate to a stroller system which is capable of supporting a series of attachment modules, with each of the attachments capable of use with the stroller system, the election restriction requirement is believed improper.

35 U.S.C. § 121 permits the restriction between two inventions that are "independent and distinct." For a proper restriction requirement, the Examiner must satisfy the burden of establishing the following two conditions: (1) the reasons why each invention is either independent or distinct; and (2) the reasons why there would be a serious burden on the examiner if restriction is not required. MPEP 808 ("Reasons for Requiring a Restriction"). Here, the restriction is improper because the inventions are neither independent nor distinct and the consideration of Species does not create any additional burden upon the Examiner.

"The term 'independent' (i.e., unrelated) means that there is no disclosed relationship between the two or more inventions claimed, that is, they are unconnected in design, operation, and effect." MPEP 802.01. Here, each of the species is either a variant of a stroller system capable of attachment to an accessory or an accessory capable of attachment to a stroller system. Each of the

Species is either a variant or capable of use together with other listed Species; thus, it is shown that Species A-L are not independent inventions.

As the conditions for a proper restriction requirement have not been met, Applicant respectfully requests that the restriction requirement be removed.

3. Fees

This *Response to Restriction Requirement* is being filed within four months of the *Office Action*, thus a three month extension of time fee is accompanied herewith.

The number of Claims remains less than those paid upon filing, thus no Claim fees are believed due.

Nonetheless, should any additional fees be due, authorization to charge deposit account No. 20-1507 is hereby expressly given.

CONCLUSION

By the present *Response to Restriction Requirement*, Claims under Species A, Claims 1-19 and 28-57, are pending in the Application for examination purposes, however, reconsideration of the restriction requirement is requested.

Should the Examiner have any further questions or reservations, the Examiner is invited to telephone the undersigned at 804.697.1478.

Respectfully submitted,

/Matthew C. Osborne, Reg. #61,498/

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Dated: May 7, 2012

Electronic Acknowledgement Receipt

EFS ID:	12723797
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	6980
Filer:	Matthew C. Osborne
Filer Authorized By:	
Attorney Docket Number:	DYN005
Receipt Date:	07-MAY-2012
Filing Date:	04-DEC-2009
Time Stamp:	22:18:26
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		DYN005Resp.pdf	106490 6fd7c6d4c9590d9e8cec98dd5db6ab17faeb8145	yes	12

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Response to Election / Restriction Filed	1	1
	Claims	2	9
	Applicant Arguments/Remarks Made in an Amendment	10	12
Warnings:			
Information:			
	Total Files Size (in bytes):	106490	

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.

PTO/SB/06 (07-06)
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☒ To be Mailed
12/631,375	12/04/2009	

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY ☒ RATE ($)	SMALL ENTITY ☒ FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT 05/07/2012	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X $30 =	0	OR	X $ =	
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $125 =	0	OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE	

AMENDMENT	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/MONICA FRANCIS/

This collection of information is required by 37 CFR 1.16. 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 12 minutes 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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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☒ To be Mailed
12/631,375	12/04/2009	

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY ☒ RATE ($)	SMALL ENTITY ☒ FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT 05/07/2012	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 62	Minus	** 34	= 28	X $30 =	840	OR	X $ =	
Independent (37 CFR 1.16(h))	* 5	Minus	***4	= 1	X $125 =	125	OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE	965	OR	TOTAL ADD'L FEE	

AMENDMENT	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/MONICA FRANCIS/

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	12/04/2009	Mark Zehfuss	DYN005	1624

6980 7590 07/06/2012

TROUTMAN SANDERS LLP
600 Peachtree Street
Suite 5200
Atlanta, GA 30308

EXAMINER	
DOLAK, JAMES M	
ART UNIT	PAPER NUMBER
3618	

NOTIFICATION DATE	DELIVERY MODE
07/06/2012	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jim.schutz@troutmansanders.com
ryan.schneider@troutmansanders.com
patents@troutmansanders.com

Office Action Summary	Application No.	Applicant(s)	
	12/631,375	ZEHFUSS, MARK	
	Examiner	Art Unit	
	JAMES M. DOLAK	3618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *07 May 2012*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5)☒ Claim(s) *1-62* is/are pending in the application.

5a) Of the above claim(s) *20-27 and 54-62* is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-19 and 28-53* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☒ Claim(s) *20-27 and 54-62* are subject to restriction and/or election requirement.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☒ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

12)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Species A in the reply filed on 5/07/2012 is acknowledged. The traversal is on the ground(s) that "Applicant submits that Claims 20-27 and 58-62 are not separate inventions as defined by 35 U.S.C. § 121…Since all groups cited in the Office Action relate to a stroller system which is capable of supporting a series of attachment modules, with each of the attachments capable of use with the stroller system, the election restriction requirement is believed improper." This is not found persuasive because, Applicant specifically provides that each of the various embodiments are directed to various different attachments for a stroller each attachment has different elements. While it appears that the inventions as claimed are seemingly capable of use together with strollers, 35 USC 121 also provides for an election requirement, as herein, where inventions have materially different design, mode of operation, function, or effect. Thus given the inventions materially different design, mode of operation, function, or effect, there is a search and/or examination burden for the patentably distinct species as set forth above because at least the following reason(s) apply: the species of patentably distinct inventions require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search strategies or search queries).

The requirement is still deemed proper and is therefore made FINAL.

2. As provided by Applicant, Claims 20-27 and 58-62 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species,

there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 5/07/2012.

3. Claims 54-57 (Species B) are also withdrawn from further consideration pursuant to 37 CFR 1.142(b), as clearly being drawn to a nonelected species (See, e.g., specification: page 10, P[0037]), there being no allowable generic or linking claim. While Applicant did not withdraw these claims, it is clear that these withdrawn claims as drafted are also drawn to non-elected species.

Information Disclosure Statement

4. The information disclosure statement (IDS) submitted on 7/16/2010 was filed in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner.

Drawings

5. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because it is not clear how the seat attachment and stroller mate especially from a frontal view of the stroller. It is not clear why Applicant has only provided side views of the various strollers, but Applicant is encouraged to provide additional views of the stroller and seat attachment which clearly illustrate how the attachment device mates with the stroller. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

6. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference characters "17" and "24" have both been used to designate “attachment frame member” in Figures 1-3. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

7. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character “83” has been used to designate both “rear wheel” and another unnamed part in Figure 8. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

8. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "sleeve" (Claim 32), "wherein the second seat is integral to the seat attachment portion" (Claim 34), "seat attachment has a cylindrical shape" (Claim 47), "cylindrical recess" (Claim 48), "connector portion has a circular cross-sectional shape" (Claim 51), and the "U-shaped bracket" (Claim 52), must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

9. The disclosure is objected to because of the following informalities: The 'Description' section of the specification fails to describe or even mention Figure 7. The 'Description' section of the specification also fails to adequately describe Figures 9A-9F. Appropriate correction is required.

Claim Objections

10. Claim 1 is objected to because of the following informalities: the claim ends with a semicolon. Appropriate correction is required

11. Claims 17 and 18 are objected to because of the following informalities: the claims appear to have the wrong dependency, it is believed that the claim should depend from claim 16. Appropriate correction is required

12. Claim 38 is objected to because of the following informalities: the claim appears to have the wrong dependency, it is believed that the claim should depend from claim 35, however it is not clear as the claim refers to a 'single stroller'. Appropriate correction is required.

13. Claim 45 is objected to because of the following informalities: the claim reads in part: "the seat attachment member ***comprises a seat attachment comprises***" and therefore does not read clearly. Appropriate correction is required.

14. Claim 46 is objected to because of the following informalities: the claim reads in part: "comprises ***a corresponding a*** connector" and therefore does not read clearly. Appropriate correction is required.

15. Claims 56 and 57 are objected to because of the following informalities: the claims read in part: "***wherein the wherein the***" and therefore does not read clearly. Appropriate correction is required.

Claim Rejections - 35 USC § 102

16. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

17. **Claims 1-6, 8-13, and 16-17 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Rohl (US 7,677,585 B2)**.

[Claim 1] Regarding Claim 1, Rohl discloses a seat attachment (See, e.g., Fig.6, 1) for a stroller (See, e.g., Fig.6, 2), comprising: an attachment frame member (See, e.g., Fig.6, 1) comprising a connector portion (See, e.g., Fig.6, 4+5+6+18+19) capable of connecting to a stroller frame (See, e.g., Fig.5-6); and a seat support element (See, e.g., Fig.5-6, 16) capable of supporting a seat (See, e.g., Fig.6, 20).

[Claim 2] Regarding Claim 2, Rohl discloses comprising: a wheel (See, e.g., Fig.6, 30).

[Claim 3] Regarding Claim 3, Rohl discloses further comprising a wheel support frame (See, e.g., Fig.6, 10+12+12a) connecting the wheel to the attachment frame member (See, e.g., Fig.1).

[Claim 4] Regarding Claim 4, Rohl discloses wherein the wheel support frame is pivotally connected to the attachment frame member (See, e.g., Fig.6-7: Applicant

should take note that as best understood the wheel frame/chassis elements of Rohl provide a pivoting action which allow for pivoting between the stroller and connection elements; See, e.g., Claim 12: “pivotable wheel mechanism”).

[Claim 5] Regarding Claim 5, Rohl discloses wherein the wheel support frame is pivotally connected near the middle of the attachment frame member (See, e.g., Fig.6-7: Applicant should take note that as best understood the wheel frame/chassis elements of Rohl provide a pivoting action which allow for pivoting between the stroller and connection elements; See, e.g., Claim 12: “pivotable wheel mechanism”).

[Claim 6] Regarding Claim 6, Rohl discloses further comprising a folding mechanism (See, e.g., Fig.6-7).

[Claim 8] Regarding Claim 8, Rohl discloses wherein the wheel support frame is capable of pivoting from a first position to a second position (See, e.g., Fig.6-7).

[Claim 9] Regarding Claim 9, Rohl discloses wherein the first position is a locked and in-use position (See, e.g., Fig.6) and the second position is an unlocked and folded position (See, e.g., Fig.7).

[Claim 10] Regarding Claim 10, Rohl discloses wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram (See, e.g., Fig.6: Applicant should take note that under the broadest reasonable interpretation Rohl discloses a “stroller seat" for children).

[Claim 11] Regarding Claim 11, Rohl discloses wherein the attachment frame member has a first end (See, e.g., Fig.2, near 6) and a second end (See, e.g., Fig.6, near 5+19).

[Claim 12] Regarding Claim 12, Rohl discloses wherein the first end is capable of connecting to a stroller frame (See, e.g., Fig.6).

[Claim 13] Regarding Claim 13, Rohl discloses wherein the second end is connected to the seat attachment member (See, e.g., Fig.5).

[Claim 16] Regarding Claim 16, Rohl discloses a double stroller (See, e.g., Fig. 6), comprising: a stroller frame (See, e.g., Fig.6, 2) comprising wheels (See, e.g., Fig.7, 3), a frame (See, e.g., Fig.4-8, 4), a first seat (See, e.g., Fig.4-8, 2) and an attachment frame member (See, e.g., Fig.4-8, 1) connected to the frame (See, e.g., Fig.5-7); a seat attachment (See, e.g., Fig. 5-6, 16) comprising a wheel (See, e.g., Fig. 5-6, 30), a second seat (See, e.g., Fig. 5-6, 20), and a connector portion (See, e.g., Fig. 5-6, 4+5+6+18+19) capable of connecting to the attachment frame member (See, e.g., Fig. 5-6).

[Claim 17] Regarding Claim 17, Rohl discloses wherein the connector portion is capable of being releasably connected to the attachment frame member (See, e.g., Fig. 5-7; Abstract).

18. **Claims 28-29, 33, 35-46, and 50- 52 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Cheng (US 7,475,900)**.

[Claim 28] Regarding Claim 28, Cheng discloses a stroller (See, e.g., Fig.4-8), comprising: a frame (See, e.g., Fig.4-8, 3); at least one front wheel (See, e.g., Fig.4-8, 33); at least one rear wheel (See, e.g., Fig.4-8, 34); a stroller seat (See, e.g., Fig.4-8, 71+72); and a seat attachment portion (See, e.g., Fig.4-8, 410+420) capable of supporting a second seat in front of the stroller seat (See, e.g., Fig.5).

[Claim 29] Regarding Claim 29, Cheng discloses wherein the seat attachment portion comprises two seat connectors (See, e.g., Fig.4-8, 410+420).

[Claim 33] Regarding Claim 33, Cheng discloses wherein the second seat is one seat selected from a stroller seat, an infant carrier, a bassinet, a pram, or a car seat (See, e.g., Fig.5&7-8).

[Claim 35] Regarding Claim 35, Cheng discloses a stroller (See, e.g., Fig.4-8), comprising: a first stroller seat (See, e.g., Fig.4-8, 72) reversibly and releasably connected to a stroller frame (See, e.g., Fig.4-8); and a seat attachment (See, e.g., Fig.4-8, 411+421+410+420) for converting a single stroller into a double stroller (See, e.g., Fig.4-8), the seat attachment comprising at least one connector portion (See, e.g., Fig.4-8, 411+421) connected to an attachment portion (See, e.g., Fig.4-8, 31+32) of the stroller frame and a seat support element (See, e.g., Fig.4-8, 410+420) supporting a second seat (See, e.g., Fig.4-8, 71).

[Claim 36] Regarding Claim 36, Cheng discloses wherein the first stroller seat is releasably connected in a backward position (See, e.g., Fig.7-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

[Claim 37] Regarding Claim 37, Cheng discloses wherein the second stroller seat is one of a stroller seat, a car seat, or a bassinet (See, e.g., Fig.5&7-8).

[Claim 38] Regarding Claim 38, Cheng discloses wherein the second seat is a bassinet or a car seat (See, e.g., Fig.7-8).

[Claim 39] Regarding Claim 39, Cheng discloses wherein the frame further comprises two folding mechanisms (See, e.g., Fig.5-8, unlabeled between elements 31 and 32).

[Claim 40] Regarding Claim 40, Cheng discloses wherein the first seat comprises a releasable connection including a button or a locking tab (See, e.g., Fig.5, 410+420).

[Claim 41] Regarding Claim 41, Cheng discloses comprising a pair of front wheels (See, e.g., Fig.4-8, 33) and a pair of back wheels (See, e.g., Fig.4-8, 34).

[Claim 42] Regarding Claim 42, Cheng discloses wherein the front wheels pivot (See, e.g., Fig.4) and the back wheels are fixed (See, e.g., Fig.4).

[Claim 43] Regarding Claim 43, Cheng discloses wherein the stroller frame comprises two attachment frame members (See, e.g., Fig.4-8, 41+42) and the seat attachment comprises at least one seat attachment member (See, e.g., Fig.4-8, 410+420).

[Claim 44] Regarding Claim 44, Cheng discloses wherein one of the two attachment flame members is a right side attachment flame member (See, e.g., Fig.4-8) and the other attachment flame member is a left attachment frame member (See, e.g., Fig.4-8).

[Claim 45] Regarding Claim 45, Cheng discloses wherein the seat attachment member comprises two seat support elements (See, e.g., Fig.4-8, 410+420).

[Claim 46] Regarding Claim 46, Cheng discloses wherein the seat attachment comprises a corresponding connector portion (See, e.g., Fig.4-8, unlabeled where

element 41 connects to element 31: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation “connector portion” Cheng meets the limitation)) capable of connecting to the stroller frame at the attachment frame members (See, e.g., Fig.4-8).

[Claim 50] Regarding Claim 50, Cheng discloses wherein the connector portion is tubular construction (See, e.g., Fig.4-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitations, as best understood the portion of Cheng which connects together the stroller frame with the seat attachment elements is tubular in construction).

[Claim 51] Regarding Claim 51, Cheng discloses wherein the connector portion has a circular cross-sectional shape (See, e.g., Fig.4-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitations, as best understood the portion of Cheng which connects together the stroller frame with the seat attachment elements is tubular in construction and therefore has a circular cross-section).

[Claim 52] Regarding Claim 52, Cheng discloses wherein the seat attachment is a U-Shaped bracket (See, e.g., Fig.4-8, 70/410: Applicant should take note that based on the broadest reasonable interpretation of the claim limitations, as best understood the seat attachment portion of Cheng is both U-shaped at element 70 and U-shaped at element 410).

Claim Rejections - 35 USC § 103

19. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

20. **Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Rohl as applied to claim 6 above**.

[Claim 7] Regarding Claim 7, Rohl teaches in a second embodiment (See, e.g., Fig.8-31, wherein the folding mechanism comprises a sliding connector (See, e.g., Fig.8-11, sliding strut 144+143) slidingly connected to the attachment frame member and a strut (See, e.g., Fig.8-11, via bracing strut 142) having a first end connected to the sliding member and a second end connected to the wheel support frame (See, e.g., Fig.8-11).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the invention of Rohl to include different embodiments as explained above and as taught by Rohl in order to increase collapsibility of the seat attachment device and in order to allow for added flexibility in the support members. Additionally, Applicant may wish to note that the Federal Circuit has held that it is permissible to combine two different embodiments disclosed in the same piece of prior art and noted that such a combination does not require “a leap of inventiveness.” See, e.g., *Boston Scientific Scimed, Inc. v. Cordis Corp.*, 554 F.3d 982, 991 (Fed. Cir. 2009).

21. **Claims 14-15, and 18-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rohl as applied to claims 1 and 16 above, and further in view of Cheng (US 7,475,900 B2)**.

[Claim 14/15/19] Regarding Claims 14, 15, and 19, Rohl fails to teach wherein the seat support element is capable of supporting a seat in either a forward or backward position.

However Cheng teaches a similar stroller attachment device (See, e.g., Cheng: Fig.5-8) comprising a stroller seat (See, e.g., Cheng: Fig.5-8, 71+72+8+9), wherein the seat support element (See, e.g., Cheng: Fig.5-8, 410+420) is capable of supporting the stroller seat in either a forward or backward position (See, e.g., Cheng: Fig.5-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the seat support element of Rohl to feature the ability to support a seat that faces backwards or forwards as taught by Cheng as an obvious matter of design choice. Moreover it would have been desirable to make this modification because doing so would allow the user of the seat attachment to sit facing forward or reverse thereby allowing the passenger/parent choose which view to provide while in use. Furthermore, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398,416 (2007)).

[Claim 18] Regarding Claim 18, Rohl fails to teach wherein the second seat is releasably connected to the seat support element.

However Cheng teaches a similar stroller seat attachment device wherein the second seat is releasably connected to the seat support element (See, e.g., Cheng: Fig.5-8, via 410+420).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the seat support element of Rohl to feature the ability to releasably connect the seat as taught by Cheng as an obvious matter of design choice. Moreover it would have been desirable to make this modification because doing so would allow the user to have greater interchangeability with seat attachments as well as provided ease of storage for travel when the attachment is disconnected from the stroller. Furthermore, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398,416 (2007)).

22. Claims 30-32, and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cheng as applied to claim 29 above, and further in view of Rohl (US 7,677,585).

[Claim 30] Regarding Claim 30, Cheng fails to explicitly teach wherein the seat attachment portion is removably connected to the frame.

However Rohl teaches a similar stroller seat attachment (See, e.g., Rohl: Fig.5-8) wherein the seat attachment portion is removably connected to the frame (See, e.g., Rohl: Fig.5-8).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the seat attachment portion of Cheng to feature the ability to removably connect the attachment portion to the stroller frame as taught by Rolf as an obvious matter of design choice. Moreover it would have been desirable to make this modification because doing so would allow the user to have greater interchangeability with seat attachments as well as provided ease of storage for travel when the attachment is disconnected from the stroller frame. Furthermore, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398,416 (2007)).

[Claim 31] Regarding Claim 31, the combination of Cheng in view of Rohl further teaches wherein the seat attachment portion comprises two portions each comprising one seat connector (See, e.g., Cheng: Fig.4-8, 410+420).

[Claim 32] Regarding Claim 32, the combination of Cheng in view of Rohl further teaches wherein the frame comprises a sleeve (See, e.g., Rohl: Fig.5-8, 5) for removably connecting the seat attachment portion to the frame (See, e.g., Rohl: Fig.5-8).

[Claim 34] Regarding Claim 34, the combination of Cheng in view of Rohl further teaches wherein the second seat is integral to the seat attachment portion (See, e.g., Rohl: Fig.5-8).

23. **Claims 47-49 and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cheng as applied to claim 35 above, and further in view of Rohl (US 7,677,585)**.

[Claim 47] Regarding Claim 47, Cheng fails to explicitly teach wherein the connector portion of the seat attachment has a cylindrical shape.

However Rohl teaches a similar stroller seat attachment (See, e.g., Rohl: Fig.5-8) wherein the connector portion (See, e.g., Rohl: Fig.5-8, 5) of the seat attachment (See, e.g., Rohl: Fig.5-8, 1) has a cylindrical shape (See, e.g., Rohl: Fig.5-8, 5: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the connector portion of Rohl appears to have a "cylindrical" (i.e., female) connection member as best shown in figure 5).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the connector portion of Cheng to feature a cylindrical shape as taught by Rolf as an obvious matter of design choice. Moreover it would have been desirable to make this modification because such a connector would encourage a an removable mating connection allowing the user to have greater interchangeability with seat attachments as well as provided ease of storage for travel when the attachment is disconnected from the stroller frame. Furthermore, substitution of one well known element for another known in the field, the combination must do more than yield a predictable result. See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 416 (2007) (citing *U.S. v. Adams*, 383 U.S. 39, 50-51 (1966)).

[Claim 48] Regarding Claim 48, the combination of Cheng in view of Rohl further teaches wherein the attachment frame member has a cylindrical recess (See, e.g., Cheng: Fig.5-8, 410+420).

[Claim 49] Regarding Claim 49, the combination of Cheng in view of Rohl fails to explicitly teach wherein the connector portion of the seat attachment is inserted in the cylindrical recess.

However, it would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the connector portion of the combination of Cheng in view of Rohl to feature wherein the connector portion of the seat attachment is inserted into a mating cylindrical recess of the attachment frame member as an obvious matter of design choice. Furthermore, substitution of one well known element (i.e., one connection type) for another commonly known in the field (i.e., a male/female cylindrical recess and connection portion), the combination must do more than yield a predictable result. See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 416 (2007) (citing *U.S. v. Adams*, 383 U.S. 39, 50-51 (1966)).

[Claim 53] Regarding Claim 53, the combination of Cheng in view of Rohl further teaches wherein the attachment frame member has a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion (See, e.g., Rohl: Fig.5-6, 5: Applicant should take note that based on the broadest reasonable interpretation of the claim limitations, as best understood the attachment frame member of Rohl appear from the figures to have a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion).

Conclusion

24. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure, and can be found on the attached Notice of References Cited.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES M. DOLAK whose telephone number is (571)270-7757. The examiner can normally be reached on M-F 730AM-5PM (first Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J.Allen Shriver can be reached on (571) 272-6698. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. ALLEN SHRIVER II/
Supervisory Patent Examiner, Art Unit 3618

/JAMES M DOLAK/
Examiner, Art Unit 3618.

Notice of References Cited	Application/Control No. 12/631,375	Applicant(s)/Patent Under Reexamination ZEHFUSS, MARK	
	Examiner JAMES M. DOLAK	Art Unit 3618	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,676,140	01-2004	Gondobintoro, Darnell M.	280/650
*	B	US-6,443,467	09-2002	Black, David A.	280/643
*	C	US-1,707,186	03-1929	HALL CHATFIELD RUTH	280/658
*	D	US-7,475,900	01-2009	Cheng, Huang-Yi	280/642
*	E	US-6,752,405	06-2004	Wright, Lindsay J.	280/642
*	F	US-8,157,273	04-2012	Bar-Lev, Amir	280/650
*	G	US-7,896,384	03-2011	Schonfeld, Julia Dinah	280/647
*	H	US-7,677,585	03-2010	Rohl, Stephanie	280/642
*	I	US-3,000,645	09-1961	SCHMIDT CARL O	280/650
*	J	US-6,561,526	05-2003	Towns, Benjamin C.	280/648
*	K	US-6,209,892	04-2001	Schaaf et al.	280/642
*	L	US-6,378,892	04-2002	Hsia, Ben M.	280/650
*	M	US-6,045,145	04-2000	Lan, Red	280/642

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	12/631,375
Filing Date	December 4, 2009
First Named Inventor	ZEHFUSS, MARK
Art Unit	3618
Examiner Name	MEYER, JACOB B.
Attorney Docket Number	DYN005

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,338,096	08-16-1994	Huang	
		US- 20070114738	05-24-2007	Jones, et al	
		US- 20070001429	01-04-2007	Maciejczyk	
		US- 20030025304	02-06-2003	Haeggberg	
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Examiner Signature	/James Dolak/	Date Considered	06/21/2012

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.D./

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	**Art Unit**
	JAMES M DOLAK	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
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☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	Art Unit
	JAMES M DOLAK	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
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SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
12/631,375	12/04/2009	280	3618	DYN005

APPLICANTS
Mark Zehfuss, Glen Allen, VA;

**** CONTINUING DATA ***************************
This appln claims benefit of 61/119,920 12/04/2008

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** ** SMALL ENTITY **
12/17/2009

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /JAMES M DOLAK/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		VA	8	34	4

ADDRESS

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UNITED STATES

TITLE

SEAT ATTACHMENT FOR A STROLLER

FILING FEE RECEIVED		
1884	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

BIB (Rev. 05/07).

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	("20100140902").PN.	USPAT; USOCR	OR	OFF	2011/11/10 17:53
S2	1	("20100140902").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/11/10 17:55
S3	4	(Zehfuss near2 Mark).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/21 11:03
S4	8	("20030025304" | "20070001429" | "20070114738" | "5338096").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/21 11:10
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S7	3	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/06/21 11:26
S8	2837	(280/650,657,647,648,658,639,642,643).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/06/27 15:43
S9	37502244	@ad<="20081204"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:43
S10	1861	S8 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:44

S11	1537	S10 and seat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:44
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S13	427	S10 and (seat near2 attach$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:44
S14	51	S10 and (seat near2 (attach$4 and convert$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:46
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S16	37502315	@ad<="20081204"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 19:17
S17	1076	S15 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 19:17
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S20	35	S17 and S19	US-PGPUB; USPAT;	OR	ON	2012/06/28 19:17

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S28	657	S27 and ((wheel and seat) same attach$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 23:15
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S52	2902	S49 or S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/07/01 04:43
S53	476	S52 and cylindrical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/07/01 04:43
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S67	1	("6443467").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:05
S68	2	("1707186").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:05
S69	1	("7475900").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:05
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S72	1	("7896384").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:15
S73	1	("6561526").PN.	US-PGPUB; USPAT;	OR	OFF	2012/07/01 16:16

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S74	1	("5653460").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:17

EAST Search History (Interference)

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	Art Unit
	JAMES M DOLAK	3618

SEARCHED

Class	Subclass	Date	Examiner
280	650,657,647,648,658,639,642,643	6/27/2012	JMD
297	130,232,243,463.1	6/28/2012	JMD

SEARCH NOTES

Search Notes	Date	Examiner
Class280 Search Assist: SPE J.Allen Shriver	5/10/2012	JMD
Inventor Search	6/21/2012	JMD
Class 297 Search Assist: L.Cranmer	6/27/2012	JMD

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner

/JAMES M DOLAK/ Examiner.Art Unit 3618	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.	:	12/631,375
	:	
First Named Inventor	:	Mark Zehfuss
Filing Date	:	December 4, 2009
Art Unit	:	3618
Examiner	:	Jacob B. Meyer
	:	
Docket No.	:	DYN005
Customer No.	:	006980

January 7, 2013

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Amendment

Sir:

An Office Action dated July 6, 2012 ("Office Action") has been issued from the United States Patent and Trademark Office in the above-referenced patent application ("Subject Application"). Applicant respectfully submits this Response to Office Action with amendments to the specification, the claims and drawings. Applicant respectfully requests reconsideration of the Subject Application.

Claim Listing begin on page 2; and
Remarks begin on page 9.

CLAIM LISTING

1. (Currently Amended) A seat attachment for a stroller, comprising:

~~an~~ two separate attachment frame members, wherein each attachment frame member ~~comprising~~ comprises:

a connector portion capable of reversibly connecting to a stroller frame adjacent a front wheel of the stroller; and

a seat support element capable of supporting a seat in either a forward or backward position;.

Formatte

2. (Original) The seat attachment of claim 1, comprising:

a wheel.

3. (Original) The seat attachment for a stroller of claim 2, further comprising a wheel support frame connecting the wheel to the attachment frame member.

4. (Original) The seat attachment for a stroller of claim 3, wherein the wheel support frame is pivotally connected to the attachment frame member.

5. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is pivotally connected near the middle of the attachment frame member.

6. (Original) The seat attachment for a stroller of claim 5, further comprising a folding mechanism.

7. (Original) The seat attachment for a stroller of claim 6, wherein the folding mechanism comprises a sliding connector slidingly connected to the attachment frame member and a strut having a first end connected to the sliding member and a second end connected to the wheel support frame.

8. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is capable of pivoting from a first position to a second position.

9. (Original) The seat attachment for a stroller of claim 8, wherein the first position is a locked and in-use position and the second position is an unlocked and folded position.

10. (Original) The seat attachment for a stroller of claim 1, wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram.

11. (Original) The seat attachment for a stroller of claim 1, wherein the attachment frame member has a first end and a second end.

12. (Original) The seat attachment for a stroller of claim 11, wherein the first end is capable of connecting to a stroller frame.

13. (Original) The seat attachment for a stroller of claim 12, wherein the second end is connected to the seat attachment member.

14. (Original) The seat attachment for a stroller of claim 1, wherein the seat support element is capable of supporting a seat in either a forward or backward position.

15. (Original) The seat attachment for a stroller of claim 1, further comprising a stroller seat, wherein the seat support element is capable of supporting the stroller seat in either a forward or backward position.

16. (Currently Amended) A double stroller, comprising:

a stroller frame comprising two front wheels, a frame, a first seat and ~~an~~ two attachment ~~frame member~~ portions connected to the frame, wherein one attachment portion is connected adjacent to one front wheel and the other attachment portion is connected to the frame adjacent to the other front wheel;

a seat attachment comprising a wheel, two seat support elements, a second seat, and ~~a~~ two connector portions, each connector portion capable of releasably connecting to the attachment ~~frame member~~portion, wherein the second seat is attached in front of the first seat.

17. (Cancelled)

18. (Currently Amended) The double stroller of claim ~~12~~16, wherein the second seat is releasably connected to the two seat support element.

19. (Currently Amended) The double stroller of claim 18, wherein the seat support element~~s~~ ~~is~~ are capable of supporting the second seat in either a forward or backward position.

20. (Withdrawn) A double stroller, comprising:
a first seat attachment capable of removably supporting a child seat; and
a second seat attachment capable of supporting a child seat.

21. (Withdrawn) The double stroller of claim 20, wherein each seat attachment comprises two seat connector portions.

22. (Withdrawn) The double stroller of claim 20, wherein the child seat is one of a stroller seat, a baby carrier, a bassinet, a pram, or a car seat.

23. (Withdrawn) The double stroller of claim 20, comprising a frame, wherein the frame comprises a handle portion, a front wheel support portion and a back wheel support portion.

24. (Withdrawn) The double stroller of claim 23, wherein a first seat attachment is adjacent to the front wheel support portion.

25. (Withdrawn) The double stroller of claim 24, wherein the first seat attachment is above at least one front wheel connected to the wheel support portion.

26. (Withdrawn) The double stroller of claim 25, wherein the second seat attachment is adjacent to the handle portion.

27. (Withdrawn) The double stroller of claim 23, further comprising a folding mechanism that connects the handle portion, the front wheel support portion, and the back wheel support portion.

28. (Currently Amended) A stroller, comprising:

a frame;

~~at least one~~two front wheels;

at least one rear wheel;

a stroller seat; and

~~a two seat~~ attachment portions connected to the frame adjacent to the front wheels, wherein each attachment portion is capable of reversibly receiving and supporting a seat attachment, wherein the seat attachment comprises a connector portion and a ~~second~~ seat support element~~in front of the stroller seat~~.

29. to 31. (Cancelled)

32. (Currently Amended) The stroller of claim ~~30~~28, wherein the ~~frame~~ attachment portions comprises ~~a sleeve~~ slot for removably connecting the seat attachment portion to the frame.

33. (Currently Amended) The stroller of claim 28, wherein seat support element is capable of supporting a second seat and the second seat is ~~one seat~~ selected from a stroller seat, an infant carrier, a bassinet, a pram, or a car seat.

34. (Cancelled)

35. (Currently Amended) A stroller, comprising:

a first stroller seat reversibly and releasably connected to a stroller frame;

two attachment portions, and

a seat attachment for converting ~~a single~~the stroller into a double stroller, the seat attachment comprising:

a connector portion capable of reversibly connecting to one of the attachment portions above a front wheel of the stroller, and

a seat attachment element capable of supporting a second seat in either a forward or backward position~~at least one connector portion connected to an attachment portion of the stroller frame and a seat support element supporting a second seat~~.

36. (Previously Presented) The stroller of claim 35, wherein the first stroller seat is releasably connected in a backward position.

37. (Previously Presented) The stroller of claim 36, wherein the second stroller seat is one of a stroller seat, a car seat, or a bassinet.

38. (Currently Amended) The ~~single~~ stroller of claim ~~40~~35, wherein the second seat is a bassinet or a car seat.

39. (Previously Presented) The stroller of claim 36, wherein the frame further comprises two folding mechanisms.

40. (Previously Presented) The stroller of claim 36, wherein the first seat comprises a releasable connection including a button or a locking tab.

41. (Previously Presented) The stroller of claim 36, comprising a pair of front wheels and a pair of back wheels.

42. (Previously Presented) The stroller of claim 41, wherein the front wheels pivot and the back wheels are fixed.

43. (Cancelled)

44. (Currently Amended) The stroller of claim ~~43~~35, wherein one of the two attachment frame members is a right side attachment frame member and the other attachment frame member is a left attachment frame member.

45. (Currently Amended) The stroller of claim ~~43~~35, wherein the seat attachment ~~member~~ comprises a ~~seat attachment comprises~~ two seat support elements.

46. (Currently Amended) The stroller of claim 45, wherein the ~~seat attachment comprises a corresponding a~~ connector portion is capable of connecting to the stroller frame at the attachment frame members.

47. (Previously Presented) The stroller of claim 46, wherein the connector portion of the seat attachment has a cylindrical shape.

48. (Currently Amended) The stroller of claim 47, wherein the attachment frame member has a cylindrical ~~recess~~slot.

49. (Previously Presented) The stroller of claim 48, wherein the connector portion of the seat attachment is inserted in the cylindrical recess.

50. (Previously Presented) The stroller of claim 46, wherein the connector portion is tubular construction.

51. (Previously Presented) The stroller of claim 46, wherein the connector portion has a circular cross-sectional shape.

52. (Cancelled)

53. (Currently Amended) The stroller of claim 46, wherein the ~~attachment frame member has a~~connector portion has a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion.

54. (Withdrawn) The stroller of claim 35, wherein the seat support element is capable of supporting a car seat either a forward or backward position.

55. (Withdrawn) The stroller of claim 35, wherein the seat support member is capable of supporting a car seat or other baby seat.

56. (Withdrawn) The stroller of claim 55, wherein the ~~wherein the~~ seat support member comprises a main support.

57. (Withdrawn) The stroller of claim 56, wherein the ~~wherein the~~ main support comprises a cradle for supporting the central portion of the car seat.

58. (Withdrawn) A stroller capable of being converted to a double stroller, comprising:

a releasably connected first seat, wherein the seat is one of a stroller seat, a car seat, or a bassinet and the seat may be attached in a forward or backward facing position; and

a releasably connected second seat, wherein the second seat is on of a stroller seat, a car seat, or a bassinet and the car seat or the bassinet may be attached in a forward or backward facing position.

59. (Withdrawn) The stroller of claim 58, wherein the first seat is a stroller seat.

60. (Withdrawn) The stroller of claim 58, wherein the first seat is a bassinet.

61. (Withdrawn) The stroller of claim 59, wherein the second seat is a car seat.

62. (Withdrawn) The stroller of claim 59, wherein the second seat is a stroller seat.

REMARKS

Claims 1 to 62 were pending in the Subject Application. Of the pending claims, Claims 1 to 19 and 28 to 53 were rejected in the Office Action and Claims 20 to 27 and 54 to 62 are withdrawn from consideration due to an election requirement. Applicants respectfully request reconsideration of Claims 1 to 19 and 28 to 53 based upon the amendments and remarks.

Drawings

Applicants have amended the drawings as follows:

The specification has been amended to identify an "attachment portion" with reference character "17";

The reference character "83" designated the unnamed part has been deleted from Figure 8;

Claim 32 has been amended to delete the term "sleeve" and replaced with the term "slot";

Figure 2A has been amended to show a cross-section of the connector portion;

Figure 1A has been added to show the cylindrical recess or slot; and

Claim 52 has been cancelled.

Specification

The description has been amended to describe Figure 7 and Figures 9A through 9F.

Claim Objections

Claims 1 17, 18, 38, 45, 46, 56, and 57 have been amended to address the claim objections provided by the examiner.

Claim Rejections

The claims of the Subject Application have been rejected under 35 U.S.C. § 102 or 35 U.S.C. §103 based upon a US Patent No. 7,677,585 (Rohl), US Patent No. 7,475,900 (Cheng), or a combination thereof.

The claims have been amended to overcome these rejections. Neither Rohl nor Cheng describe a seat attachment for a stroller comprising two separate attachment frame members. The

two separate frame members allow the seat attachment to be reversibly connected to the stroller frame then removed and easily stored. When using the stroller as a single stroller the seat attachment will not interfere with the use of the stroller.

To accomplish this, each attachment frame member comprising comprises a connector portion capable of reversibly connecting to a stroller frame adjacent a front wheel of the stroller; and a seat support element capable of supporting a seat in either a forward or backward position. The attachment frame members are reversibly connecting adjacent to a front wheel. In this way, the second seat may be mounted in front of the first seat and above the stroller front wheels. This provides a stable double stroller.

Rohl provides an additional seat for a stroller that must be attached next to the stroller. The auxiliary seat is not attached adjacent to both front wheels. The seat attachment of Cheng is not reversibly connected to the stroller frame.

Consideration of the amended claims is respectfully requested.

CONCLUSIONS

Applicants respectfully request consideration of the claims pending in the Subject Application and issuance of a Notice of Allowability. Should the Examiner have any remaining concerns, he is requested to contact the undersigned at the telephone number given below so that the concerns may be resolved without issuance of an additional Office Action.

Sincerely,

/Bernard G. Pike/

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804-615-3939

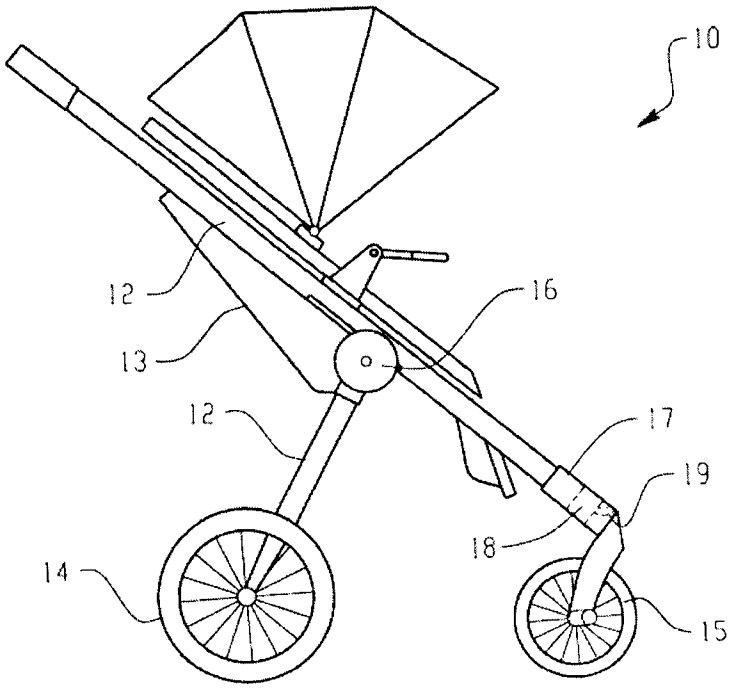


Fig. 1

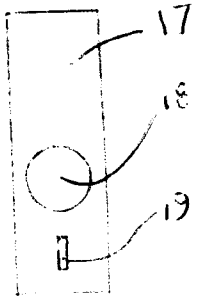


Fig. 1A

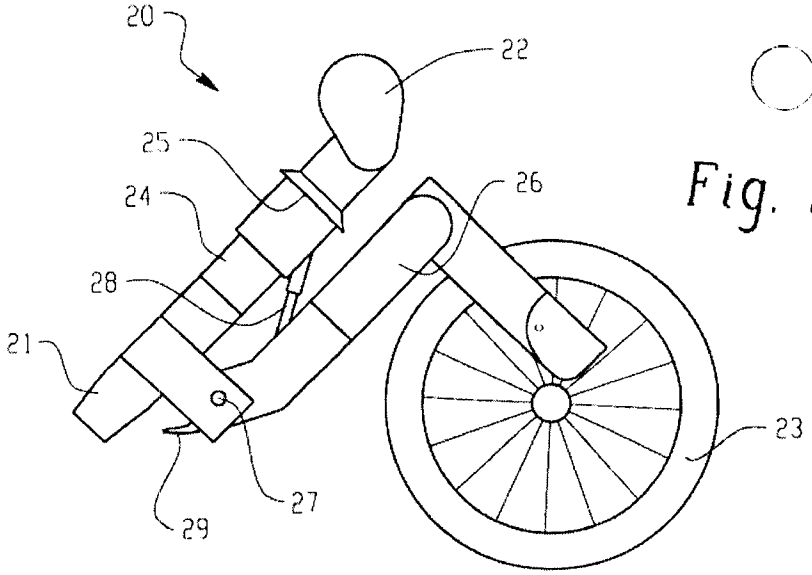


Fig. 2

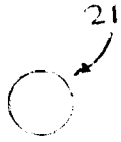


Fig. 2A

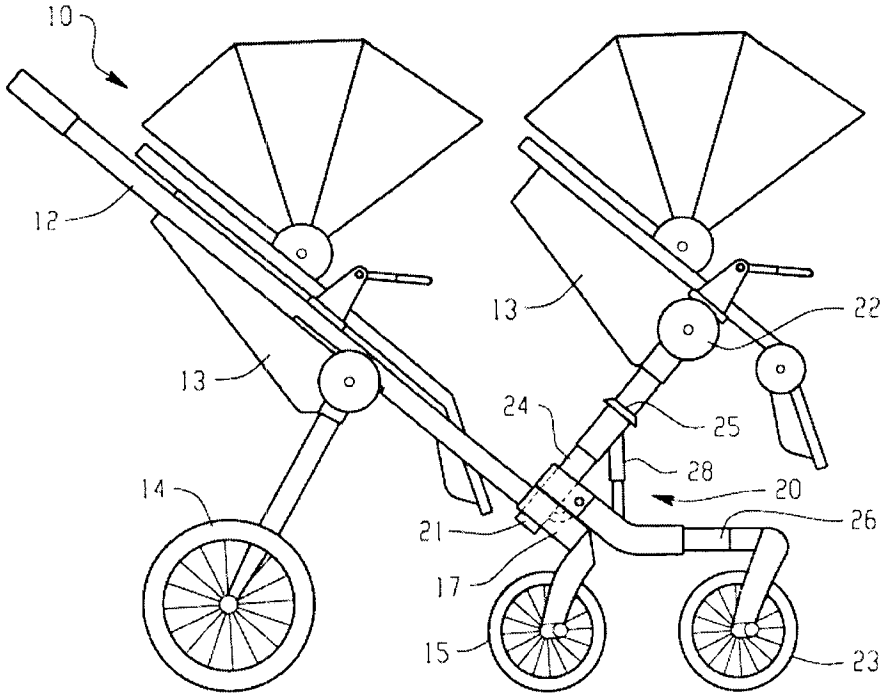


Fig. 3

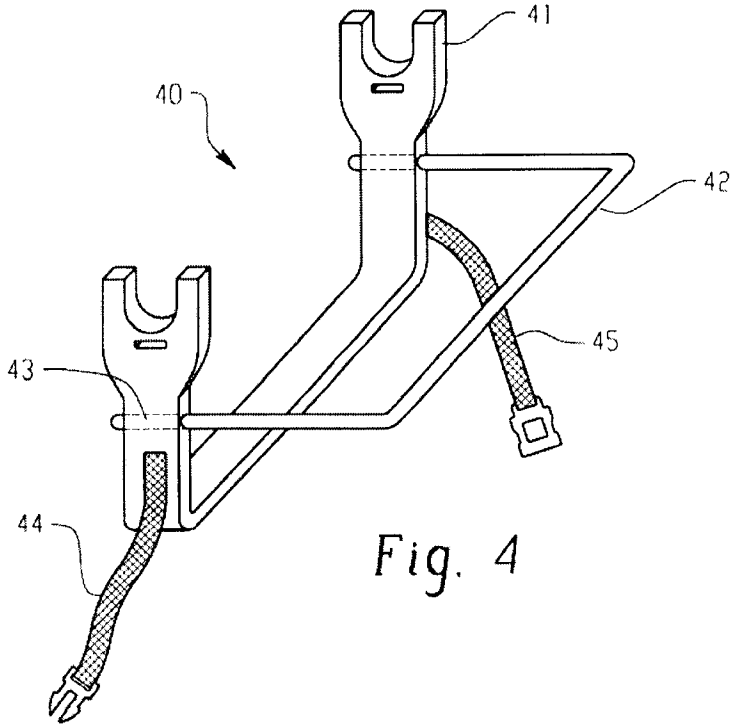


Fig. 4

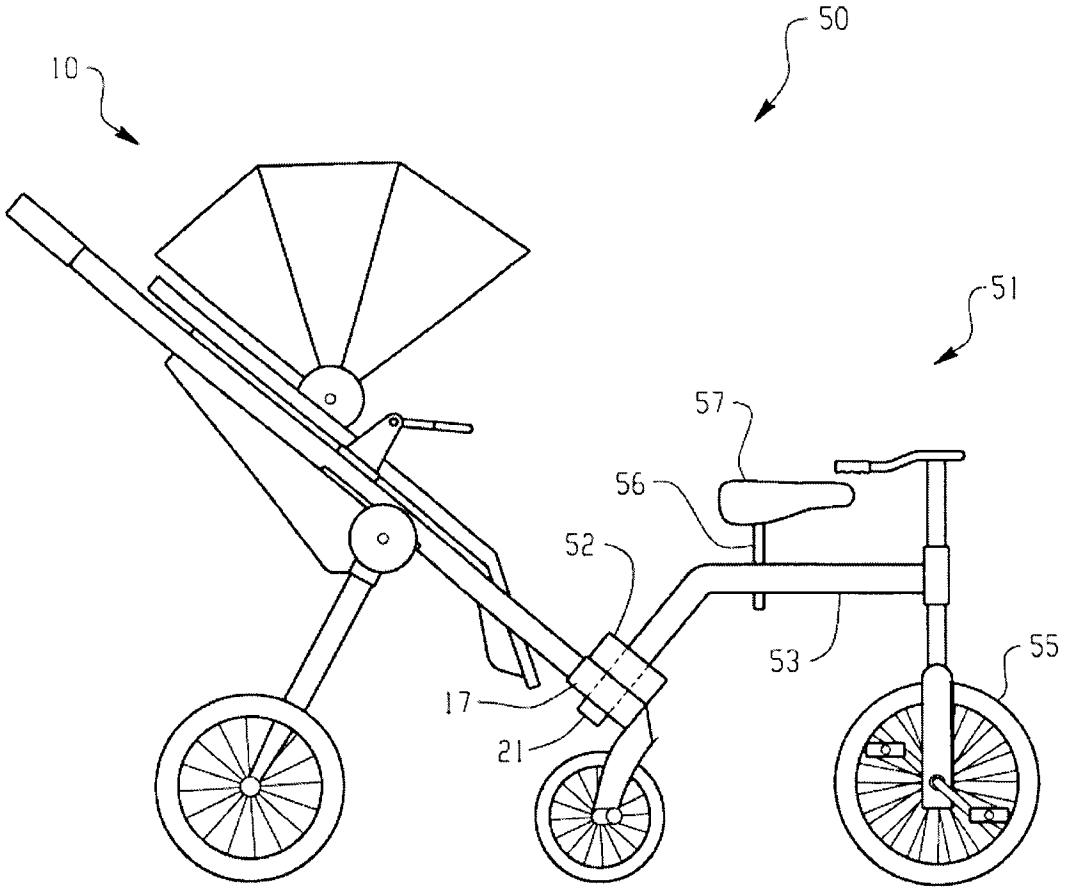


Fig. 5

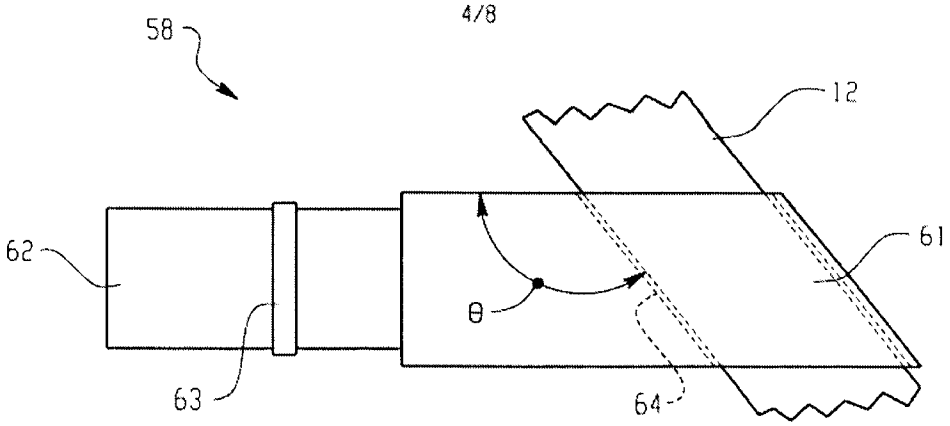


Fig. 6A

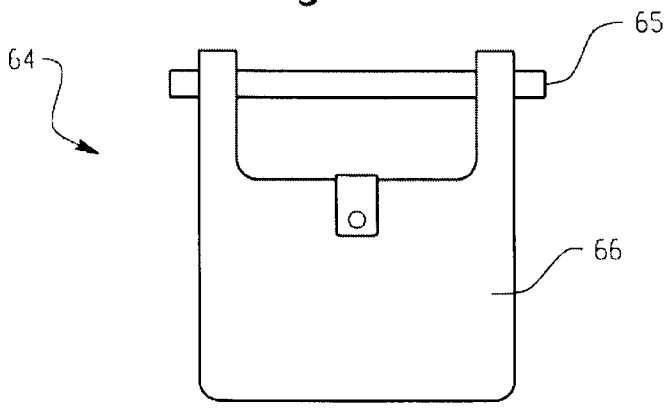


Fig. 6B

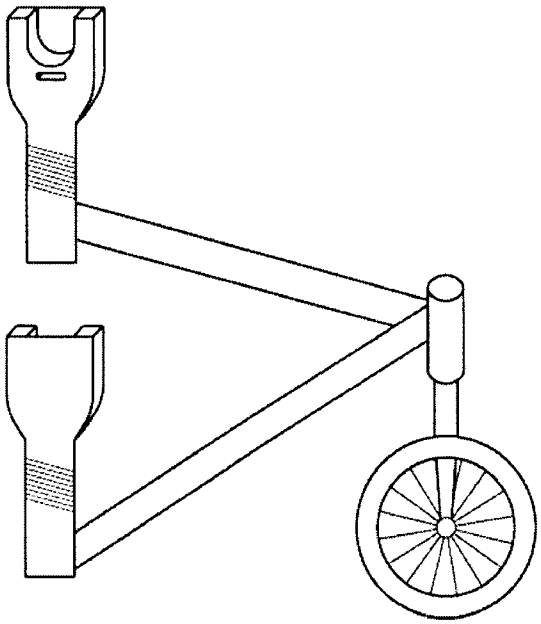


Fig. 7

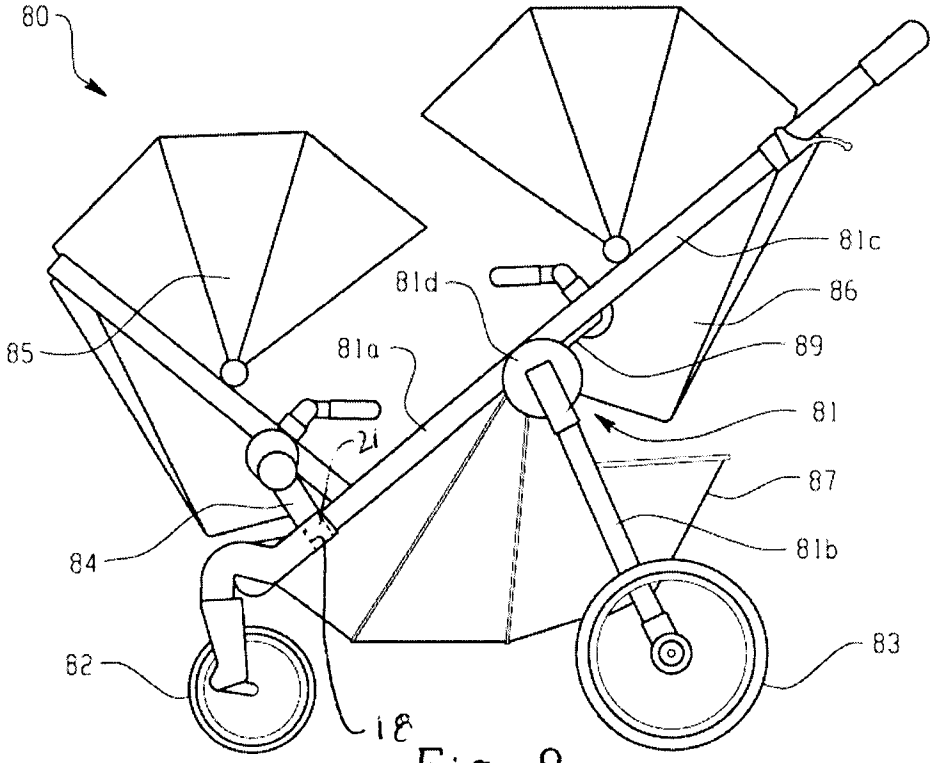

80
81c
81d
86
85
81a
89
81
87
84
81b
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83
18

Fig. 8

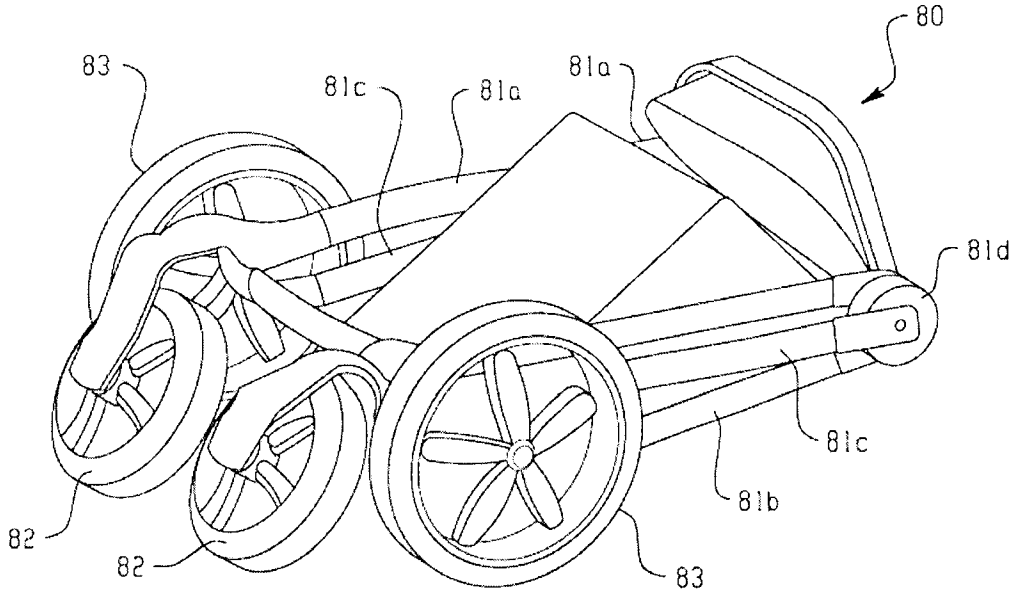

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83
81c
81a
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81d
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82
83

Fig. 8A

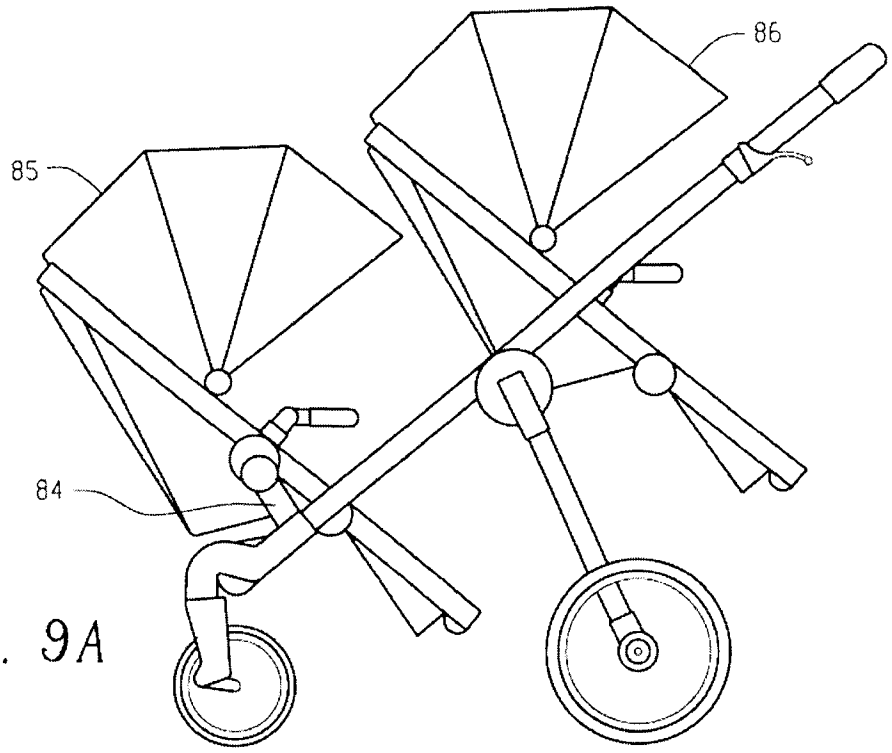


Fig. 9A

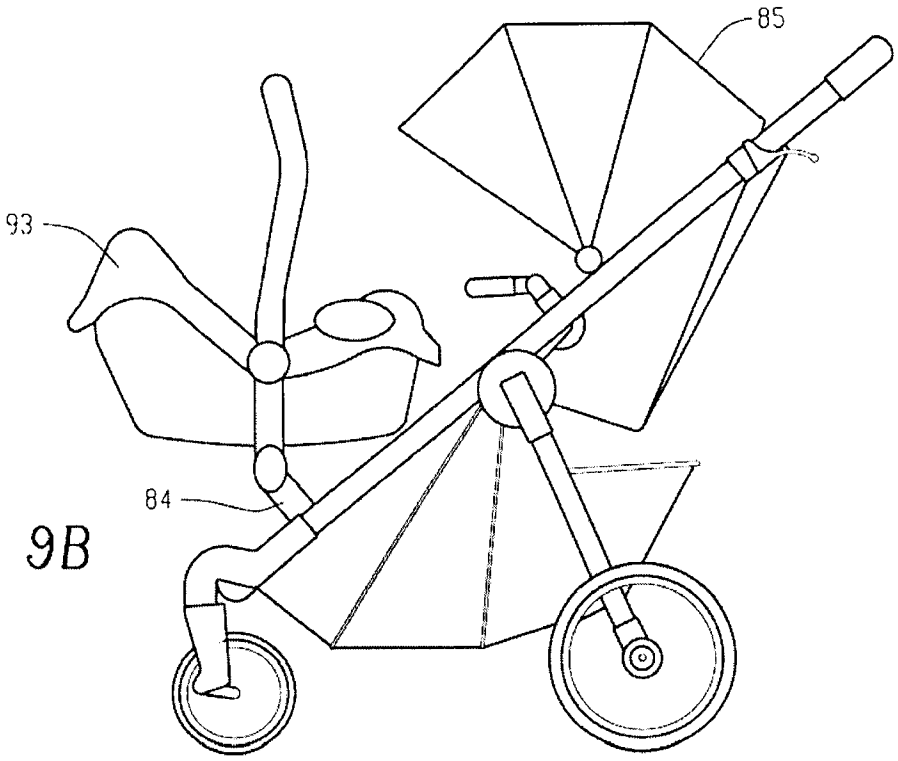


Fig. 9B

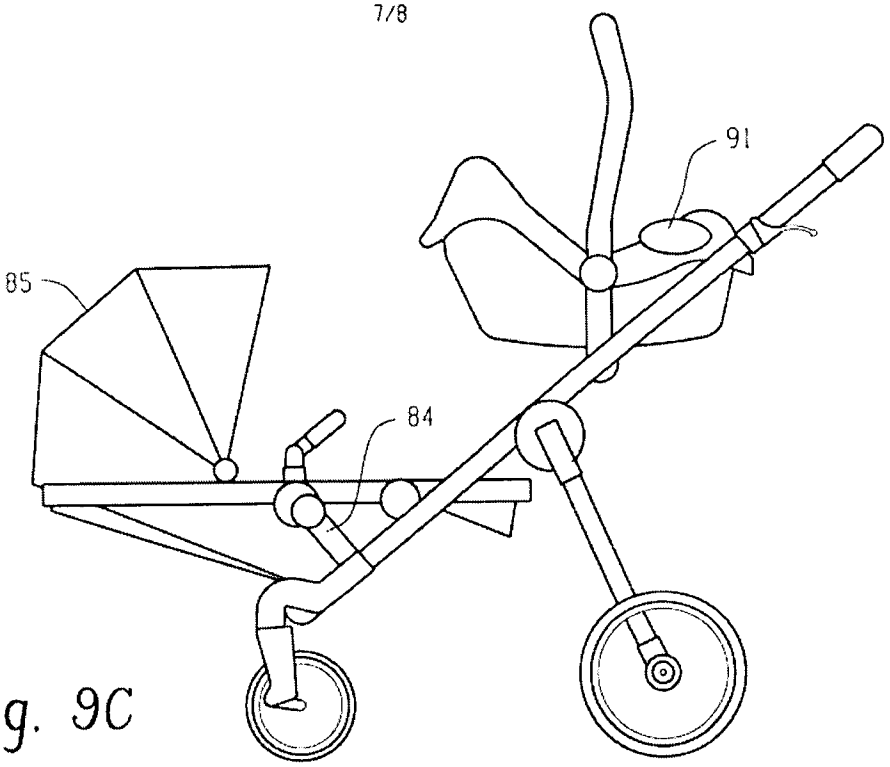


Fig. 9C

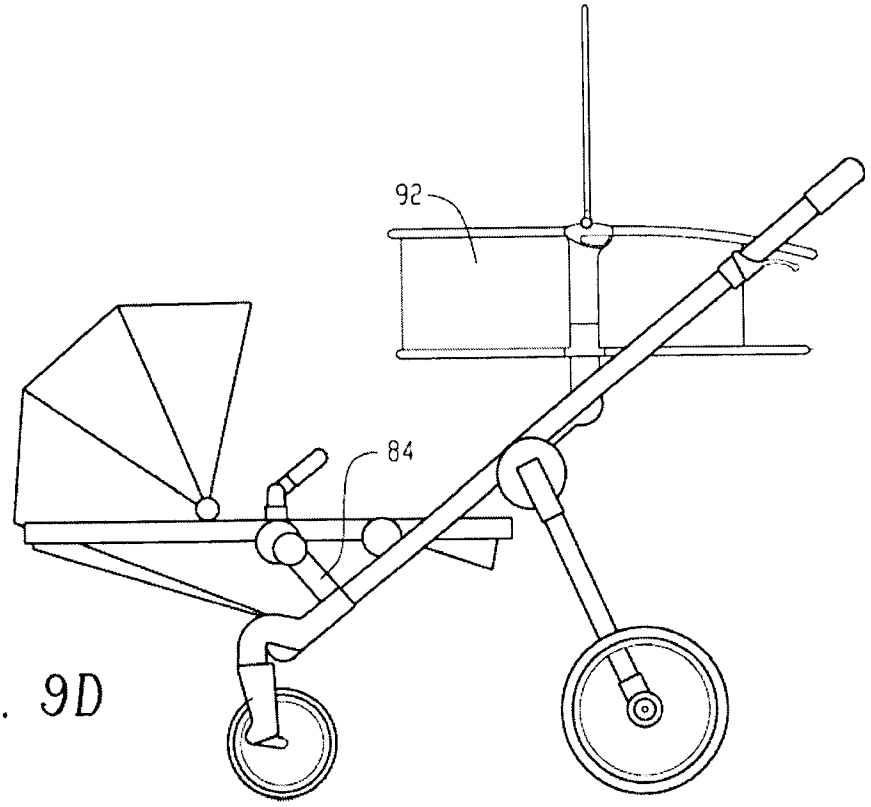


Fig. 9D

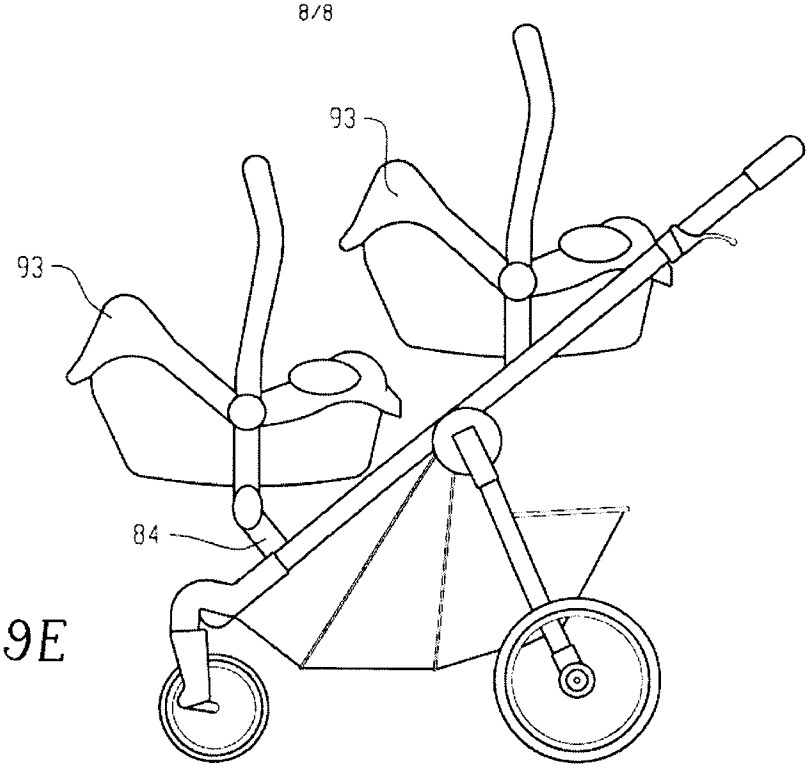


Fig. 9E

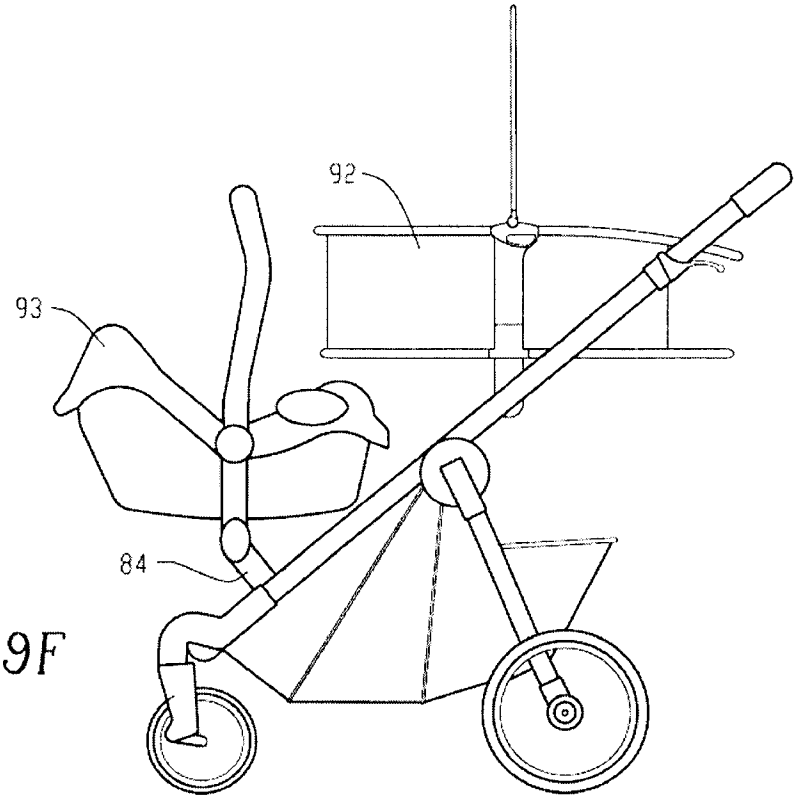


Fig. 9F

TITLE

SEAT ATTACHMENT FOR A STROLLER

INVENTOR

Mark Zehfuss

RELATED APPLICATIONS

This U.S. patent application claims priority to U.S. Provisional Patent Application Serial No. 61/119920 filed on December 4, 2008 and is hereby incorporated by reference in its entirety.

TECHNICAL FIELD

[0001] The invention is directed to a seat attachment for a stroller, single stroller and double strollers. Such a seat attachment may be used to convert a single stroller into a double stroller. More specifically, embodiments of the invention are directed to a seat attachment for a stroller capable of supporting a seat such as, but not limited to, a stroller seat, a baby seat, bassinet, a pram, a car seat, or a baby carrier, for example. Embodiments of the seat attachment are capable of reversibly converting a single stroller into a double stroller.

BACKGROUND

[0002] Parents with multiple young children may have difficulty transporting their children from place to place. Children are slow, easily distracted and, therefore, may lag behind their parents while the parents are trying to complete shopping tasks or get exercise in a limited amount of time. In response, many parents have purchased double strollers allowing the parent or other guardian to push two children simultaneously and thus allow them to more efficiently run errands, take walks, or jog. As such, a double stroller allows the parents or guardians more freedom than they would have with only a single stroller, especially while trying to manage two sleeping children.

[0003] Though double strollers have certain advantages, double strollers also have disadvantages. Double strollers are substantially larger than single strollers and are, therefore, more difficult to maneuver through doors and down aisles in stores. Typically, the benefits of being able to accommodate two children greatly offset these disadvantages. However, when the parent or guardian has only one child with them, the benefits of the double stroller are not realized but the disadvantages still exist.

[0004] Therefore, parents often buy two or more strollers to use at different times; a single stroller for times when they only have one child with them and a double stroller for when they need a stroller that will accommodate two children. This often creates its own set of problems. The multiple strollers must be stored and there is seldom room for both a folded double stroller and a folded single stroller in the trunk of a typical car or back of a sport utility vehicle.

[0005] Stroller manufacturers have attempted to solve this problem by providing a place for a second child to stand on the back of a single stroller or attachments that provide another seat for the second child that hangs under and slightly behind the seat of the single stroller. This provides a second seat for a child but the child is tucked close to the back of the front seat which may be uncomfortable, reduce the capacity of the under seat storage, and prevent the parent from hanging a bag on the handle bars.

[0006] There exists a need for a single stroller that may be conveniently converted to a double stroller. There is also a need for a conversion kit that converts the single stroller into a full double stroller that is capable of accommodating two children without loss of convenience for the parent or guardian.

SUMMARY OF THE INVENTION

[0007] Strollers are typically single strollers (strollers having one seat for transporting one child) or may also be double strollers (strollers having two seats for transporting two children). Embodiments of the invention are directed to a seat attachment for a stroller comprising an connector portion capable of connecting directly to a stroller frame or to an attachment frame member connected to the stroller frame; and a seat support element capable of supporting a seat. In certain embodiments, the attachment for a stroller comprises an attachment frame member having a first end and a second end. The first end may be capable of connecting

the seat attachment to a stroller frame and the second end may be capable of connecting to the seat support element. The seat support element is thus capable of supporting a seat on the strolle. In more specific embodiments, the seat may be supported in either a forward or backward position.

[0008] Another embodiment comprises a stroller and seat attachment for the stroller, wherein the stroller comprises an attachment frame member connected to the frame of the stroller and the seat attachment for the stroller comprises a connector portion. The attachment frame member and the connector portion comprise components that are capable of being securely connected together. In certain embodiments, the attachment frame member and the connector portion comprise components that are capable of being securely and releasably connected together. In this manner, the seat attachment may be attached to the stroller and a seat, as defined above, may be connected to the seat attachment, thus reversibly converting the single stroller into a double stroller.

[0009] In a further embodiment, the seat attachment for the stroller further comprises at least one wheel. The wheel may be connected to the seat attachment by a wheel support frame which may be rigidly attached or may be pivotally attached to the seat attachment. The wheel support frame may be connected to any section of the seat attachment, preferably the wheel support frame is pivotally connected to the back portion of the seat attachment in an area adjacent to the connector portion or connected near the middle of the attachment portion.

[0010] Embodiments of the seat attachment for a stroller may further comprise a folding mechanism. The folding mechanism may comprise a sliding member slidingly connected to the attachment portion and a folding frame member or strut having a first end connected to the sliding member and a second end connected to the wheel support frame. The folding mechanism allows the wheel support frame to pivot from a first position (in-use position), to a second position (a folded position). The attachment for the stroller also may comprise a locking mechanism that secures the attachment to a stroller in the in-use position and unlocks the attachment to allow the attachment to be connected or removed from the stroller when in the folded position. The locking mechanism may be a small protrusion attached to the wheel support frame that engages a corresponding aperture in the stroller or the stroller attachment portion to secure the attachment to the stroller. In the folded position, the protrusion is not engaged in the aperture.

[0011] A further aspect is directed to a double stroller. The double stroller may comprise a frame, wherein the frame comprises a handle portion, a front wheel support portion, a back wheel support portion, and a folding mechanism. Embodiments of the double stroller comprise a stroller frame comprising wheels, the frame, a first seat and a connector portion connected to the frame. The double stroller may further comprise a seat attachment frame comprising a wheel, a second seat, and a second attachment portion capable of connecting to the connector portion of the stroller frame. The second attachment portion may be releasably connected to the connector portion. Further, the second seat may be releasably connected to the seat attachment frame and is capable of supporting the second seat in either a forward or backward position.

[0012] A further embodiment of the double stroller comprises a first seat attachment capable of releasably supporting a first child seat and a second seat attachment capable of releasably supporting a second child seat. The seat attachments may comprise two seat connector portions for supporting the seat on both sides.

[0013] An still further embodiment of the double stroller comprises at least one first seat attachment adjacent to the front wheel support portion and a second seat attachment adjacent to each folding mechanism and/or the handle portion. The first seat attachment may be above at least one front wheel connected to the wheel support portion.

[0014] A still further embodiment of the stroller comprises a frame, at least one front wheel, at least one rear wheel, a first stroller seat with at least one first attachment portion permanently attached to the frame; and at least one releasably connected second seat attachment portion capable of supporting a second seat in front of the first stroller seat. As in other embodiments, the seat attachment may comprise two seat connectors. Either or both seat attachment portions may be a single part with two seat connectors or two separate pieces each comprising a seat connector.

[0015] In any of the above embodiments, the stroller, double stroller or attachment may comprise one or more of the following features; a sleeve for removably receiving the attachment portion. The seat attachment portion may comprise a protrusion having a complementary shape to the sleeve for inserting into the sleeve. Further, the second seat may be integral to the seat attachment.

[0016] Aspects of the stroller, double stroller and attachment are presented in various embodiments, however one skilled in the art will understand various variation and interchangeability of the components of the various embodiments which are intended to be included in the scope of the invention.

BRIEF DESCRIPTION OF THE FIGURES

[0017] Figure 1 shows an embodiment of a single stroller;

~~[0017]~~ [0018] Figure 1A shows a top view of an embodiment of an attachment portion;

[0019] Figure 2 shows an embodiment of a seat attachment to convert a single stroller into a double stroller;

~~[0018]~~ Figure 2A shows a cross-sectional view of an embodiment of a connector portion;

~~[0019]~~ [0020] Figure 3 shows the combination of the single stroller of Figure 1 attached to the seat attachment of Figure 2;

~~[0020]~~ [0021] Figure 4 shows an embodiment of a seat attachment capable of supporting a car seat on an attachment of Figure 2;

~~[0021]~~ [0022] Figure 5 shows a combination of the single stroller of Figure 1 attached to an embodiment of the attachment in the form of a tricycle-like riding device; and

~~[0022]~~ [0023] Figure 6A shows an accessory attachment for supporting an accessory on a stroller; Figure 6B shows a bag or purse for attaching to the accessory attachment of Figure 6A.

~~[0023]~~ [0024] Figure 7 shows an attachment for supporting a seat comprising one wheel.

~~[0024]~~ [0025] Figure 8 shows an embodiment of a stroller reversibly that is capable of being converted from a single stroller to a double stroller comprising an attachment portion that does not comprise a wheel.

~~[0025]~~ [0026] Figures 9A, 9B, 9C, 9D, 9E, and 9F show various configurations of the embodiments of the stroller shown in Figure 8.

DESCRIPTION

~~[0026]~~ [0027] The invention relates to an accessory, attachment, or conversion kit (hereinafter "seat attachment") for a stroller. As discussed above, parents or guardians may find

themselves in a situation wherein it is more convenient to transport two children in a stroller, but at the same time find it inconvenient to have both a single stroller and double stroller. Embodiments of the seat attachment solve this problem. In one aspect, an embodiment of the seat attachment for a stroller is capable of converting a single stroller into a double stroller. The seat attachment may support a seat such as, but not limited to, a stroller seat, a baby seat, a bassinet, a pram, a baby carrier, or a car seat, for example. Therefore, the parent or guardian does not require both a single stroller and a double stroller. A stroller configured to receive a seat attachment for converting a single stroller into a double stroller provides convenience to the user. The single stroller may be connected to a double stroller by attaching the seat attachment to the single stroller and then attaching the second seat. As such, an embodiment of the seat attachment for converting a single stroller into a double stroller comprises at least one connector portion capable of connecting to a stroller frame and a seat support element capable of supporting a seat. The seat attachment may optionally comprise at least one wheel for additional support and stability, however, for more convenience, embodiments of the attachment do not include a wheel. In certain embodiments, a wheel may stabilize the double stroller, but in other embodiments of the attachment the wheel may not be desirable or necessary. Additional embodiments of the attachment comprise a cart, wagon, tricycle-like attachment, or other riding toy that may be connected to the stroller, for example. A tricycle-like attachment would allow a child to ride or be pushed in front of the stroller.

[0027]-[0028] A side view of an embodiment a single stroller 10 is shown in Figure 1. As a note, Figure 1 shows only one side of the single stroller 10, however, most components include a complementary component on the other side of the single stroller but are not shown in Figure 1. The single stroller 10 comprises a frame 12 that supports seat 13. The frame 12 may, optionally, include at least one, preferably two, folding mechanism 16 that allows the stroller 10 to be folded to a more convenient size for storing or transporting the stroller 10.

[0028]-[0029] In this embodiment, the seat 13 is shown as a typical stroller seat, however, other types of seats may be used in a single stroller. The seat 13 may be permanently affixed to the frame 12 or releasably connected such that it is capable of being removed and substituted with a different seat. As used herein, "releasably connected" or "releasably attached" means the connection is not a permanent connection and that the connection is capable being of connected and disconnected by the user of the stroller without requiring special tools or special

skills. Releasable connections include, but are not limited to, buttons, snaps, friction fittings, interference fits, threaded connections, locking tabs, keyed connections, other fasteners, or the like. On stroller 10 of Figure 1, the frame 12 is supported on a pair of back wheels 14 and a pair of front wheels 15. In this embodiment, back wheels 14 are fixed and do not swivel or pivot on the frame. The pair of front wheels 15 on the single stroller 10 pivot to make turning the single stroller 10 easier and more convenient. Though, pivoting wheels may be preferred in certain strollers, strollers with fixed non-pivoting wheels are also common. It should be noted that a single stroller does not require pairs of front or rear wheels and either the front pair of wheels 15 or the back pair of wheels 14 may be substituted with a single wheel. Conventionally, many single strollers, including umbrella strollers, jogging strollers, all-terrain strollers, as well as other strollers may only include one front wheel. Embodiments of the seat attachment of the invention may be capable of converting any style of stroller to a double stroller, including strollers with one or two front wheels.

~~[0029]~~ [0030] The embodiment of the stroller 10 comprises two ~~attachment frame members 17~~attachment portions 17. The connector portions are preferably on the front of the stroller to allow the seat attachment and the seat to be connected to the front of the stroller 10. The ~~attachment frame members 17~~attachment portions 17 allow a seat attachment such as the seat attachment for converting the single stroller 10 to a double stroller, as shown in Figure 3, to be connected to the stroller. Only one seat attachment is shown in Figure 3, the stroller 10 would use two seat attachments as shown in Figure 3 or one seat attachment comprising two seat support elements. The embodiment of the stroller 10 has a left side and right side ~~attachment frame members 17~~attachment portions 17. An embodiment of a seat attachment of stroller 10 will comprise corresponding connector portions capable of connecting to the stroller frame at the ~~attachment frame members 17~~attachment portions 17. Though the seat attachment for the stroller is described in relation to a single stroller, the attachment may similarly be attached to a double stroller. Embodiments of the seat attachment may therefore be used to convert a double stroller into a triple stroller, if desired.

~~[0030]~~ [0031] An embodiment of a seat attachment 20 of the invention is shown in Figure 2. The seat attachment of Figure 2 is in an unlocked and folded configuration. The seat attachment 20 comprises a pair of connector portions 21 capable of connecting to the attachment frame members ~~12~~24, two seat attachment elements 22 capable of supporting a seat; and a wheel

23. In this embodiment, the connector portions are connected to the rear of the seat attachment 20 allowing the seat attachment 20 to be connected to the front of a stroller, such as stroller 10 shown in Figure 1. Other embodiments of the seat attachment may include more than one wheel, one connector portion, one seat support element, or combinations of these elements. In an embodiment of the stroller with one wheel, the attachment frame member may be on the forks of the front wheel, for example.

~~[0031]~~ [0032] The seat attachment 20 comprises a wheel support frame 26 connecting the wheel 23 to the attachment frame member 24 of the attachment 20. Each attachment frame member 24 has a first and a second end. The first end is capable of connecting to a stroller frame and the second end is connected to the seat support element 22. The embodiment of the seat attachment 20 comprises a wheel support frame 26 that is pivotally connected to two attachment frame members 24. The wheel support frame 26 or the attachment frame 24 may span the width of the stroller between the two ~~attachment frame members 17~~attachment portions 17. The pivotal connection 27 allows the seat attachment to be folded and conveniently stored or transported but is not necessary for the invention. The pivotal connection is optional and provides more convenience, however, embodiments of the attachment may comprise a releasably connected wheel support frame or a rigid frame that may be incorporated to produce a seat attachment that has greater strength for use in situations wherein a stronger seat attachment may be desired such as with all-terrain or jogging strollers, for example. The wheel support frame may be connected at any point on the attachment frame, preferably the wheel support frame is connected near the connector portion 21 or near the middle of the attachment frame 24.

~~[0032]~~ [0033] An embodiment of the seat attachment without a wheel may include connector portion 21 or attachment frame member 24, and seat attachment member 22, for example. In such an embodiment, there would be no need for pivotal connection 27, wheel support frame 26, sliding connector 25, or wheel 23. Figure 1A shows a top view of an embodiment of an attachment portion and Figure 2A shows a cross-sectional view of an embodiment of a connector portion

~~[0033]~~ [0034] The seat attachment 20 comprises a folding mechanism comprising a sliding connector 25 connected to a first end of strut 28. A second end of strut 28 is pivotally connected to wheel support frame 26. In such an embodiment, the sliding connector 25 may be moved between a first position and a second position on the attachment frame member 24. As

the sliding connector 25 is moved, strut 28 pushes the wheel support frame 26 from an in-use position to a storage position. The storage position is more compact as shown in Figure 2. In addition, the embodiment of the seat attachment 20 comprises a locking mechanism 27 that is capable of securing the seat attachment 20 to a stroller, such as stroller 10 shown in Figure 1. The locking mechanism 29 is engaged by moving the sliding connector 25 to the in-use position in which the wheel support frame 28 and wheel 23 are extended. In an embodiment of the seat attachment 20 for the stroller 10, the wheel of the seat attachment 20 is pivotally connected to the connector portion and when the wheel is in the in-use position the releasable connection is locked and when the wheel 23 is moved to the storage position, the releasable connection is unlocked allowing the seat attachment 20 to be removed from stroller 10. The seat attachment 20 may be stored and stroller 10 may be conveniently used as a single stroller. As designed, the seat attachment 20 may be reconnected to stroller 10 for use as a double stroller. In any embodiment of the invention, the seat attachment portion may be secured into position on the stroller frame and a locking mechanism may be used with an embodiment with or without the wheel. Either the seat attachment or the stroller frame may comprise a locking mechanism for securing the stroller and seat attachment together. The locking mechanism may be any mechanism capable of securing the components together during use and may be a friction locking device, threaded connection, peg in a hole, or an interference locking device such as a pin in a hole or ~~slot~~, for example. In embodiment 20 shown in Figure 2, the locking mechanism 29 pivots with wheel support frame 26 as the attachment 20 is moved from an unfolded position to a folded position. The locking mechanism 29 may slide into a hole or notch in the attachment frame member of stroller 10 shown in Figure 1. As such, the attachment 20 may be attached to stroller 10 by positioning attachment portion 21 of attachment 20 in slot 18 of attachment portion 17 of stroller 10. The sliding connector 25 may be moved to the in-use position, wheel support frame is moved and locking mechanism 29 is positioned into locking slot 19 of stroller 10.

~~[0034] [0035]~~ The connector portion 21 of the embodiment of the seat attachment 20 has a cylindrical shape. The connector portion 21 may be inserted into a cylindrical ~~recess~~slot 18 of the attachment ~~frame member~~portion 17 of stroller 10 of Figure 1 to secure the seat attachment and convert the single stroller into a double stroller, as shown in Figure 3. Other embodiments of the seat attachment may include any type of connector portion. The connector portion may be of a solid or tubular construction and may be any cross-sectional shape including,

but not limited to, circular, polygonal, square, rectangular, and triangular, for example. Other attachment mechanisms may be utilized to connect the seat attachment to the stroller such as, but not limited to, a U-shaped bracket, a U-bolt, a pipe clamp, O-shaped bracket, screw, bolt, or other clamping or attachment means. The attachment frame member of the stroller has a complimentary and cooperating shape that allows the connector portion to be secured to the attachment portion of the stroller.

[0035]-[0036] In Figure 3, the seat attachment 20 of Figure 2 is shown connected to the single stroller 10 of Figure 1 forming a double stroller. The double stroller configuration is shown with two stroller seats 13 in an inline configuration, though the other configurations, such as a stroller seat and a bassinet or a pram may also be supported on the double stroller. Further, the seat support element of the seat attachment may be capable of supporting the front stroller seat in either a forward or backward position.

[0036]-[0037] The embodiment of the stroller 10 is shown only as an example of one type of stroller, the frame of the stroller may be any of many possible configurations. Embodiments of the accessory of the invention may be configured to be used on any such configuration of a stroller. For example, a different embodiment of the baby stroller may not include two front wheels, may not include a folding mechanism or may only include only one folding mechanism. In addition, the baby stroller may include additional features not included in baby stroller 10. For example, the stroller may optionally comprise fixed front wheels, an entirely different frame configuration, or a storage basket underneath the seat of the stroller.

[0037]-[0038] The seat support member may be any configuration capable of supporting the seat on the seat attachment. Another embodiment of a seat support member for use with a car seat or other baby seat is shown in Figure 4. The embodiment of the seat support member 40 of Figure 4 comprises a main support 41. The main support 41 comprises a cradle for supporting a central portion of the seat. Another portion of the seat may rest against support bar 42. In this embodiment, support bar 42 may be adjusted to accommodate seats of different shapes and sizes. Support bar 42 may be slid within aperture 43 and locked in place when in the desired position to support a certain seat. The seat is, therefore, supported on two main supports 41 and support bar 42. The seat may be further secured in the seat attachment member 40 by wrapping belts 44 and 45 around the seat and locking the belts in this position with a buckle or other securing means.

[0038]-[0039] Another embodiment of a seat attachment for a stroller is shown in Figure 5. The combination 50 comprises stroller 10 and seat attachment 51. Seat attachment 51 is a tricycle-like attachment comprising an connector portion 52, a frame 53 with a seat support element 56, a seat 57, and wheel 55. The tricycle-like attachment may be attached to stroller 10 to allow one child to be pushed in the stroller 10 and one child to ride the seat attachment 51. The seat attachment may be other shapes also such as cars, trucks, or animal shapes, for example.

[0039]-[0040] The embodiment of the stroller 10 of Figure 5 comprises an additional accessory attachment portion 58. The accessory attachment portion 58 attaches to a frame member of stroller 10. An embodiment of the accessory attachment portion 58 is shown on Figure 6A. This embodiment is particularly useful for attaching a bag or purse 64, as shown in Figure 6B, to stroller 10.

[0040]-[0041] When using a stroller, parents or guardians typically carry other items, such as purses, grocery bags, cell phones, diapers, cleaning wipes, or other personal or baby related items. Some strollers have bottom storage baskets for placing such items. However, these storage baskets can be inconvenient to access or some light weight strollers do not include such storage. Therefore, users of the stroller may hang purses or shopping bags on the handle of the stroller. This is convenient in that the bag is easy to access, but the weight of the bag on the handle may cause the stroller to be unbalanced and increase the tendency of the stroller to topple backwards. A heavy bag hung from the handle of a stroller may cause the stroller to tip backwards even with a child in the seat. The problem is worse if the stroller is facing uphill, on uneven terrain, being pushed up a curb, or occupied by a small child. The attachment portion may be attached to the frame of a stroller by any of the clamping or attachment methods described above, for example. Preferably, accessory attachment 58 is attached near the center of gravity of the stroller 10 to avoid creating an unbalanced condition of the stroller. An embodiment of the accessory attachment 58 is shown in Figure 6A. Accessory attachment 58 is shown connected to stroller frame 12 of stroller 10 in Figure 1 near the folding mechanism. Embodiments of the accessory comprise a first end 61 for connecting to a stroller frame and a second end 62 for releasably connecting to the accessory. The first end 61 comprises an aperture 64 that may be connected to frame 12 of the stroller 10. In certain embodiments, the aperture 64 is on an angle – such that when the axis of the accessory attachment portion 58 is substantially horizontal. The accessory attachment 58 may, optionally, comprise a rib for securing the

accessory to the accessory attachment 58. The rib as shown in Figure 6A may be replaced with any other locking element or securing means including a friction fitting, a screwed fitting, interference fitting, for example.

~~[0041]~~ [0042] One example of an accessory for attaching to an accessory attachment 58 is shown in Figure 6B. The accessory is a bag or purse 64. The accessory includes an attachment portion 65 that is capable of being secured to the attachment portion 62 on the accessory attachment 58. The bag or purse 64 may be secured on stroller 10 by securing attachment portion 65 to attachment portion 62. The attachment portion 65, as shown, slides over the cylindrical attachment portion 62 of accessory attachment 58. Attachment portion 65 may include an interior annular recess that receives rib 63 securing the bag or purse 58 to stroller 10. The bag or purse 64 is thus secured to the stroller 10 in a center portion of the stroller as viewed from the side. Therefore, the bag or purse 64 is conveniently secured to stroller 10 while not contributing to an unbalanced condition of the stroller 10.

[0043] Another embodiment of the seat attachment 70 comprises two seat attachment members 71, two connector portions 72 and a wheel 73. The two seat attachment members and the wheel are in triangular relationship. The wheel 73 provides additional stability to a stroller connected to the seat attachment 70 if a heavier child is placed in a seat attached to the seat attachment members.

~~[0042]~~ [0044] A further embodiment of the stroller 80 is shown in Figure 8. Stroller 80 may be easily converted from a single stroller comprising one seat to a double stroller comprising two seats without addition of another wheel on the attachment. Stroller 80 comprises a frame 81 capable of supporting the stroller seat 86. In this embodiment, the frame 81 comprises a front wheel support portion 81a, a back wheel support portion 81b, and a handle portion 81c. The frame 81 of the embodiment of the stroller 80 further comprises a folding mechanism 81d that connects front wheel support portion 81a, a back wheel support portion 81b, and a handle portion 81c. The folding mechanism 81d allows the stroller to be folded in a more compact size for storing or transportation. Figure 8A shows stroller 80 in a folded configuration.

~~[0043]~~ [0045] Stroller 80 further comprises at least one front wheel 82 (both front wheels 82 of stroller 80 may be seen in Figure 8A), at least one rear wheel 83 (both rear wheels 83 of stroller 80 may be seen in Figure 8A), a stroller seat 86, and a seat support portion 84 capable of supporting a second seat in front of the stroller seat. The stroller 80 may further

comprise a storage basket 87. Seat support portion may be of any design capable of securely supporting a seat on the stroller. For example, the seat support portion 84 may be similar to seat support portion 20 shown in Figure 2 without the wheel 23, the strut 28, pivotal connection 27, and/or the wheel support frame 26. Preferably, the seat support portion is capable of supporting a seat such that a child in the seat is substantially above the frame of the stroller. This provides easier access to the seat, does not block access to the storage basket, allows more versatile configurations of the seats, allows more variety of seats to be attached to the frame, and allows the parent or other guardian to more easily monitor and see the child in each seat.

~~[0044]~~ [0046] Stroller 80 comprises a stroller seat 86. The stroller seat 86 is located adjacent to handle portion ~~81c~~. The stroller seat 86 may be fixedly attached or removably attached to frame 81. In embodiments of the stroller 80 wherein stroller seat 86 is removably attached to frame 81, the stroller seat 86 may be removed and replaced in a backward facing configuration with a second stroller seat 85 connected with seat attachment 84, see Figure 9A, the second stroller seat be replaced by a infant carrier ~~91~~93 and the stroller seat facing forward, see Figure 9B or ~~car seat on seat support element 84~~or the child carrier 91 may be positioned in the first seat position and the stroller seat 85 in the second seat postion, see Figure 9C, or the child carrier 91 may be replaced with a pram 92 ~~on seat support element 84~~, see Figure 9D. In another configuration of the double stroller, two child carriers 93 may connected to the stroller frame 81, see Figure 9E, or one of the child carriers 93 may be replaced with a pram or bassinet 92 as shown in Figure 9F. Embodiments of the stroller 80 may comprise a second seat support element 89 adjacent to the handle portion ~~81c~~. A stroller 80 comprising a second seat support element 89 allows the seat to be easily removed and reconfigured to a different orientation or replaced with a different style seat as shown in Figures 9A to 9F.

~~[0045]~~ [0047] Embodiment of the stroller 80 comprises a first seat support element 84. The seat support element 84 is connected to the stroller 80 front wheel support frame 81a. The seat support element 84 is adjacent to the front wheel support portion 81a of frame 81. The seat support element is capable of supporting a second stroller seat 85 in front of the stroller seat 86. This provides convenience and versatility to a user of stroller 80. Seat support element may be fixedly attached or removably attached to front wheel support portion 81a. The front seat 85 may be positioned substantially over the front wheels so the stroller remains stable. Preferably, the seats should be positioned such that the center of gravity of the stroller is between the front

and rear wheels. If not an additional wheel may be placed on the attachment as previously described. Seat support element 84 comprises a seat connector 88. Seat connector 88 may be a multipurpose general connector that allows different seats to interchanged on the seat support element 84. Any style seat may be configured to connect to the seat connector, such as but not limited to, a stroller seat, a baby seat, a bassinet, a pram, a baby carrier, or a car seat, for example.

[0046]-[0048] An embodiment of the stroller attachment comprises a connector portion, and a seat support element. The connector portion is capable of connecting the seat attachment to the frame.

[0047]-[0049] In the embodiment shown in Figure 8, stroller 80 comprises a first stroller seat 86 and a second stroller seat 85. Stroller seat 86 is shown in the forward facing configuration and second stroller seat 85 is shown in a backward facing configuration. The seat support element 84 is capable of supporting the seat above the front wheel 82 connected to the wheel support portion 81a. Preferably, the front seat is located substantially over the front wheels and the back seat is located substantially over the rear wheels.

[0048]-[0050] Though it can not be seen in the side view of Figure 8, a typical embodiment of the stroller will comprise two seat connector portions. One seat connector portion will support each side of the seat. The connector portion may be one piece or multiple parts.

[0049]-[0051] Figures 9A through 9F show various configurations that are possible with the stroller of the invention. These configurations are not to be considered to be all available configurations of the stroller and one skilled in the art would recognize many additional possibilities based upon this specification and set of drawings. From the foregoing it will be appreciated that, although specific embodiments of the invention have been described herein for purposes of illustration, various modifications may be made without deviating from the spirit and scope of the invention. Accordingly, the invention is not limited except as by the appended claims.

TITLE

SEAT ATTACHMENT FOR A STROLLER

INVENTOR

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RELATED APPLICATIONS

This U.S. patent application claims priority to U.S. Provisional Patent Application Serial No. 61/119920 filed on December 4, 2008 and is hereby incorporated by reference in its entirety.

TECHNICAL FIELD

[0001] The invention is directed to a seat attachment for a stroller, single stroller and double strollers. Such a seat attachment may be used to convert a single stroller into a double stroller. More specifically, embodiments of the invention are directed to a seat attachment for a stroller capable of supporting a seat such as, but not limited to, a stroller seat, a baby seat, bassinet, a pram, a car seat, or a baby carrier, for example. Embodiments of the seat attachment are capable of reversibly converting a single stroller into a double stroller.

BACKGROUND

[0002] Parents with multiple young children may have difficulty transporting their children from place to place. Children are slow, easily distracted and, therefore, may lag behind their parents while the parents are trying to complete shopping tasks or get exercise in a limited amount of time. In response, many parents have purchased double strollers allowing the parent or other guardian to push two children simultaneously and thus allow them to more efficiently run errands, take walks, or jog. As such, a double stroller allows the parents or guardians more freedom than they would have with only a single stroller, especially while trying to manage two sleeping children.

[0003] Though double strollers have certain advantages, double strollers also have disadvantages. Double strollers are substantially larger than single strollers and are, therefore, more difficult to maneuver through doors and down aisles in stores. Typically, the benefits of being able to accommodate two children greatly offset these disadvantages. However, when the parent or guardian has only one child with them, the benefits of the double stroller are not realized but the disadvantages still exist.

[0004] Therefore, parents often buy two or more strollers to use at different times; a single stroller for times when they only have one child with them and a double stroller for when they need a stroller that will accommodate two children. This often creates its own set of problems. The multiple strollers must be stored and there is seldom room for both a folded double stroller and a folded single stroller in the trunk of a typical car or back of a sport utility vehicle.

[0005] Stroller manufacturers have attempted to solve this problem by providing a place for a second child to stand on the back of a single stroller or attachments that provide another seat for the second child that hangs under and slightly behind the seat of the single stroller. This provides a second seat for a child but the child is tucked close to the back of the front seat which may be uncomfortable, reduce the capacity of the under seat storage, and prevent the parent from hanging a bag on the handle bars.

[0006] There exists a need for a single stroller that may be conveniently converted to a double stroller. There is also a need for a conversion kit that converts the single stroller into a full double stroller that is capable of accommodating two children without loss of convenience for the parent or guardian.

SUMMARY OF THE INVENTION

[0007] Strollers are typically single strollers (strollers having one seat for transporting one child) or may also be double strollers (strollers having two seats for transporting two children). Embodiments of the invention are directed to a seat attachment for a stroller comprising an connector portion capable of connecting directly to a stroller frame or to an attachment frame member connected to the stroller frame; and a seat support element capable of supporting a seat. In certain embodiments, the attachment for a stroller comprises an attachment frame member having a first end and a second end. The first end may be capable of connecting

the seat attachment to a stroller frame and the second end may be capable of connecting to the seat support element. The seat support element is thus capable of supporting a seat on the strolle. In more specific embodiments, the seat may be supported in either a forward or backward position.

[0008] Another embodiment comprises a stroller and seat attachment for the stroller, wherein the stroller comprises an attachment frame member connected to the frame of the stroller and the seat attachment for the stroller comprises a connector portion. The attachment frame member and the connector portion comprise components that are capable of being securely connected together. In certain embodiments, the attachment frame member and the connector portion comprise components that are capable of being securely and releasably connected together. In this manner, the seat attachment may be attached to the stroller and a seat, as defined above, may be connected to the seat attachment, thus reversibly converting the single stroller into a double stroller.

[0009] In a further embodiment, the seat attachment for the stroller further comprises at least one wheel. The wheel may be connected to the seat attachment by a wheel support frame which may be rigidly attached or may be pivotally attached to the seat attachment. The wheel support frame may be connected to any section of the seat attachment, preferably the wheel support frame is pivotally connected to the back portion of the seat attachment in an area adjacent to the connector portion or connected near the middle of the attachment portion.

[0010] Embodiments of the seat attachment for a stroller may further comprise a folding mechanism. The folding mechanism may comprise a sliding member slidingly connected to the attachment portion and a folding frame member or strut having a first end connected to the sliding member and a second end connected to the wheel support frame. The folding mechanism allows the wheel support frame to pivot from a first position (in-use position), to a second position (a folded position). The attachment for the stroller also may comprise a locking mechanism that secures the attachment to a stroller in the in-use position and unlocks the attachment to allow the attachment to be connected or removed from the stroller when in the folded position. The locking mechanism may be a small protrusion attached to the wheel support frame that engages a corresponding aperture in the stroller or the stroller attachment portion to secure the attachment to the stroller. In the folded position, the protrusion is not engaged in the aperture.

[0011] A further aspect is directed to a double stroller. The double stroller may comprise a frame, wherein the frame comprises a handle portion, a front wheel support portion, a back wheel support portion, and a folding mechanism. Embodiments of the double stroller comprise a stroller frame comprising wheels, the frame, a first seat and a connector portion connected to the frame. The double stroller may further comprise a seat attachment frame comprising a wheel, a second seat, and a second attachment portion capable of connecting to the connector portion of the stroller frame. The second attachment portion may be releasably connected to the connector portion. Further, the second seat may be releasably connected to the seat attachment frame and is capable of supporting the second seat in either a forward or backward position.

[0012] A further embodiment of the double stroller comprises a first seat attachment capable of releasably supporting a first child seat and a second seat attachment capable of releasably supporting a second child seat. The seat attachments may comprise two seat connector portions for supporting the seat on both sides.

[0013] An still further embodiment of the double stroller comprises at least one first seat attachment adjacent to the front wheel support portion and a second seat attachment adjacent to each folding mechanism and/or the handle portion. The first seat attachment may be above at least one front wheel connected to the wheel support portion.

[0014] A still further embodiment of the stroller comprises a frame, at least one front wheel, at least one rear wheel, a first stroller seat with at least one first attachment portion permanently attached to the frame; and at least one releasably connected second seat attachment portion capable of supporting a second seat in front of the first stroller seat. As in other embodiments, the seat attachment may comprise two seat connectors. Either or both seat attachment portions may be a single part with two seat connectors or two separate pieces each comprising a seat connector.

[0015] In any of the above embodiments, the stroller, double stroller or attachment may comprise one or more of the following features; a sleeve for removably receiving the attachment portion. The seat attachment portion may comprise a protrusion having a complementary shape to the sleeve for inserting into the sleeve. Further, the second seat may be integral to the seat attachment.

[0016] Aspects of the stroller, double stroller and attachment are presented in various embodiments, however one skilled in the art will understand various variation and interchangeability of the components of the various embodiments which are intended to be included in the scope of the invention.

BRIEF DESCRIPTION OF THE FIGURES

[0017] Figure 1 shows an embodiment of a single stroller;

[0018] Figure 1A shows a top view of an embodiment of an attachment portion;

[0019] Figure 2 shows an embodiment of a seat attachment to convert a single stroller into a double stroller;

Figure 2A shows a cross-sectional view of an embodiment of a connector portion;

[0020] Figure 3 shows the combination of the single stroller of Figure 1 attached to the seat attachment of Figure 2;

[0021] Figure 4 shows an embodiment of a seat attachment capable of supporting a car seat on an attachment of Figure 2;

[0022] Figure 5 shows a combination of the single stroller of Figure 1 attached to an embodiment of the attachment in the form of a tricycle-like riding device; and

[0023] Figure 6A shows an accessory attachment for supporting an accessory on a stroller; Figure 6B shows a bag or purse for attaching to the accessory attachment of Figure 6A.

[0024] Figure 7 shows an attachment for supporting a seat comprising one wheel.

[0025] Figure 8 shows an embodiment of a stroller reversibly that is capable of being converted from a single stroller to a double stroller comprising an attachment portion that does not comprise a wheel.

[0026] Figures 9A, 9B, 9C, 9D, 9E, and 9F show various configurations of the embodiments of the stroller shown in Figure 8.

DESCRIPTION

[0027] The invention relates to an accessory, attachment, or conversion kit (hereinafter "seat attachment") for a stroller. As discussed above, parents or guardians may find themselves in a situation wherein it is more convenient to transport two children in a stroller, but at the same

time find it inconvenient to have both a single stroller and double stroller. Embodiments of the seat attachment solve this problem. In one aspect, an embodiment of the seat attachment for a stroller is capable of converting a single stroller into a double stroller. The seat attachment may support a seat such as, but not limited to, a stroller seat, a baby seat, a bassinet, a pram, a baby carrier, or a car seat, for example. Therefore, the parent or guardian does not require both a single stroller and a double stroller. A stroller configured to receive a seat attachment for converting a single stroller into a double stroller provides convenience to the user. The single stroller may be connected to a double stroller by attaching the seat attachment to the single stroller and then attaching the second seat. As such, an embodiment of the seat attachment for converting a single stroller into a double stroller comprises at least one connector portion capable of connecting to a stroller frame and a seat support element capable of supporting a seat. The seat attachment may optionally comprise at least one wheel for additional support and stability, however, for more convenience, embodiments of the attachment do not include a wheel. In certain embodiments, a wheel may stabilize the double stroller, but in other embodiments of the attachment the wheel may not be desirable or necessary. Additional embodiments of the attachment comprise a cart, wagon, tricycle-like attachment, or other riding toy that may be connected to the stroller, for example. A tricycle-like attachment would allow a child to ride or be pushed in front of the stroller.

[0028] A side view of an embodiment a single stroller 10 is shown in Figure 1. As a note, Figure 1 shows only one side of the single stroller 10, however, most components include a complementary component on the other side of the single stroller but are not shown in Figure 1. The single stroller 10 comprises a frame 12 that supports seat 13. The frame 12 may, optionally, include at least one, preferably two, folding mechanism 16 that allows the stroller 10 to be folded to a more convenient size for storing or transporting the stroller 10.

[0029] In this embodiment, the seat 13 is shown as a typical stroller seat, however, other types of seats may be used in a single stroller. The seat 13 may be permanently affixed to the frame 12 or releasably connected such that it is capable of being removed and substituted with a different seat. As used herein, "releasably connected" or "releasably attached" means the connection is not a permanent connection and that the connection is capable being of connected and disconnected by the user of the stroller without requiring special tools or special skills. Releasable connections include, but are not limited to, buttons, snaps, friction fittings,

interference fits, threaded connections, locking tabs, keyed connections, other fasteners, or the like. On stroller 10 of Figure 1, the frame 12 is supported on a pair of back wheels 14 and a pair of front wheels 15. In this embodiment, back wheels 14 are fixed and do not swivel or pivot on the frame. The pair of front wheels 15 on the single stroller 10 pivot to make turning the single stroller 10 easier and more convenient. Though, pivoting wheels may be preferred in certain strollers, strollers with fixed non-pivoting wheels are also common. It should be noted that a single stroller does not require pairs of front or rear wheels and either the front pair of wheels 15 or the back pair of wheels 14 may be substituted with a single wheel. Conventionally, many single strollers, including umbrella strollers, jogging strollers, all-terrain strollers, as well as other strollers may only include one front wheel. Embodiments of the seat attachment of the invention may be capable of converting any style of stroller to a double stroller, including strollers with one or two front wheels.

[0030] The embodiment of the stroller 10 comprises two attachment portions 17. The connector portions are preferably on the front of the stroller to allow the seat attachment and the seat to be connected to the front of the stroller 10. The attachment portions 17 allow a seat attachment such as the seat attachment for converting the single stroller 10 to a double stroller, as shown in Figure 3, to be connected to the stroller. Only one seat attachment is shown in Figure 3, the stroller 10 would use two seat attachments as shown in Figure 3 or one seat attachment comprising two seat support elements. The embodiment of the stroller 10 has a left side and right side attachment portions 17. An embodiment of a seat attachment of stroller 10 will comprise corresponding connector portions capable of connecting to the stroller frame at the attachment portions 17. Though the seat attachment for the stroller is described in relation to a single stroller, the attachment may similarly be attached to a double stroller. Embodiments of the seat attachment may therefore be used to convert a double stroller into a triple stroller, if desired.

[0031] An embodiment of a seat attachment 20 of the invention is shown in Figure 2. The seat attachment of Figure 2 is in an unlocked and folded configuration. The seat attachment 20 comprises a pair of connector portions 21 capable of connecting to the attachment frame members 24, two seat attachment elements 22 capable of supporting a seat; and a wheel 23. In this embodiment, the connector portions are connected to the rear of the seat attachment 20 allowing the seat attachment 20 to be connected to the front of a stroller, such as stroller 10

shown in Figure 1. Other embodiments of the seat attachment may include more than one wheel, one connector portion, one seat support element, or combinations of these elements. In an embodiment of the stroller with one wheel, the attachment frame member may be on the forks of the front wheel, for example.

[0032] The seat attachment 20 comprises a wheel support frame 26 connecting the wheel 23 to the attachment frame member 24 of the attachment 20. Each attachment frame member 24 has a first and a second end. The first end is capable of connecting to a stroller frame and the second end is connected to the seat support element 22. The embodiment of the seat attachment 20 comprises a wheel support frame 26 that is pivotally connected to two attachment frame members 24. The wheel support frame 26 or the attachment frame 24 may span the width of the stroller between the two attachment portions 17. The pivotal connection 27 allows the seat attachment to be folded and conveniently stored or transported but is not necessary for the invention. The pivotal connection is optional and provides more convenience, however, embodiments of the attachment may comprise a releasably connected wheel support frame or a rigid frame that may be incorporated to produce a seat attachment that has greater strength for use in situations wherein a stronger seat attachment may be desired such as with all-terrain or jogging strollers, for example. The wheel support frame may be connected at any point on the attachment frame, preferably the wheel support frame is connected near the connector portion 21 or near the middle of the attachment frame 24.

[0033] An embodiment of the seat attachment without a wheel may include connector portion 21 or attachment frame member 24, and seat attachment member 22, for example. In such an embodiment, there would be no need for pivotal connection 27, wheel support frame 26, sliding connector 25, or wheel 23. Figure 1A shows a top view of an embodiment of an attachment portion and Figure 2A shows a cross-sectional view of an embodiment of a connector portion

[0034] The seat attachment 20 comprises a folding mechanism comprising a sliding connector 25 connected to a first end of strut 28. A second end of strut 28 is pivotally connected to wheel support frame 26. In such an embodiment, the sliding connector 25 may be moved between a first position and a second position on the attachment frame member 24. As the sliding connector 25 is moved, strut 28 pushes the wheel support frame 26 from an in-use position to a storage position. The storage position is more compact as shown in Figure 2. In

addition, the embodiment of the seat attachment 20 comprises a locking mechanism 27 that is capable of securing the seat attachment 20 to a stroller, such as stroller 10 shown in Figure 1. The locking mechanism 29 is engaged by moving the sliding connector 25 to the in-use position in which the wheel support frame 28 and wheel 23 are extended. In an embodiment of the seat attachment 20 for the stroller 10, the wheel of the seat attachment 20 is pivotally connected to the connector portion and when the wheel is in the in-use position the releasable connection is locked and when the wheel 23 is moved to the storage position, the releasable connection is unlocked allowing the seat attachment 20 to be removed from stroller 10. The seat attachment 20 may be stored and stroller 10 may be conveniently used as a single stroller. As designed, the seat attachment 20 may be reconnected to stroller 10 for use as a double stroller. In any embodiment of the invention, the seat attachment portion may be secured into position on the stroller frame and a locking mechanism may be used with an embodiment with or without the wheel. Either the seat attachment or the stroller frame may comprise a locking mechanism for securing the stroller and seat attachment together. The locking mechanism may be any mechanism capable of securing the components together during use and may be a friction locking device, threaded connection, peg in a hole, or an interference locking device such as a pin in a hole or , for example. In embodiment 20 shown in Figure 2, the locking mechanism 29 pivots with wheel support frame 26 as the attachment 20 is moved from an unfolded position to a folded position. The locking mechanism 29 may slide into a hole or notch in the attachment frame member of stroller 10 shown in Figure 1. As such, the attachment 20 may be attached to stroller 10 by positioning attachment portion 21 of attachment 20 in slot 18 of attachment portion 17 of stroller 10. The sliding connector 25 may be moved to the in-use position, wheel support frame is moved and locking mechanism 29 is positioned into locking slot 19 of stroller 10.

[0035] The connector portion 21 of the embodiment of the seat attachment 20 has a cylindrical shape. The connector portion 21 may be inserted into a cylindrical slot 18 of the attachment portion 17 of stroller 10 of Figure 1 to secure the seat attachment and convert the single stroller into a double stroller, as shown in Figure 3. Other embodiments of the seat attachment may include any type of connector portion. The connector portion may be of a solid or tubular construction and may be any cross-sectional shape including, but not limited to, circular, polygonal, square, rectangular, and triangular, for example. Other attachment mechanisms may be utilized to connect the seat attachment to the stroller such as, but not limited

to, a U-shaped bracket, a U-bolt, a pipe clamp, O-shaped bracket, screw, bolt, or other clamping or attachment means. The attachment frame member of the stroller has a complimentary and cooperating shape that allows the connector portion to be secured to the attachment portion of the stroller.

[0036] In Figure 3, the seat attachment 20 of Figure 2 is shown connected to the single stroller 10 of Figure 1 forming a double stroller. The double stroller configuration is shown with two stroller seats 13 in an inline configuration, though the other configurations, such as a stroller seat and a bassinet or a pram may also be supported on the double stroller. Further, the seat support element of the seat attachment may be capable of supporting the front stroller seat in either a forward or backward position.

[0037] The embodiment of the stroller 10 is shown only as an example of one type of stroller, the frame of the stroller may be any of many possible configurations. Embodiments of the accessory of the invention may be configured to be used on any such configuration of a stroller. For example, a different embodiment of the baby stroller may not include two front wheels, may not include a folding mechanism or may only include only one folding mechanism. In addition, the baby stroller may include additional features not included in baby stroller 10. For example, the stroller may optionally comprise fixed front wheels, an entirely different frame configuration, or a storage basket underneath the seat of the stroller.

[0038] The seat support member may be any configuration capable of supporting the seat on the seat attachment. Another embodiment of a seat support member for use with a car seat or other baby seat is shown in Figure 4. The embodiment of the seat support member 40 of Figure 4 comprises a main support 41. The main support 41 comprises a cradle for supporting a central portion of the seat. Another portion of the seat may rest against support bar 42. In this embodiment, support bar 42 may be adjusted to accommodate seats of different shapes and sizes. Support bar 42 may be slid within aperture 43 and locked in place when in the desired position to support a certain seat. The seat is, therefore, supported on two main supports 41 and support bar 42. The seat may be further secured in the seat attachment member 40 by wrapping belts 44 and 45 around the seat and locking the belts in this position with a buckle or other securing means.

[0039] Another embodiment of a seat attachment for a stroller is shown in Figure 5. The combination 50 comprises stroller 10 and seat attachment 51. Seat attachment 51 is a tricycle-like attachment comprising a connector portion 52, a frame 53 with a seat support element 56, a

seat 57, and wheel 55. The tricycle-like attachment may be attached to stroller 10 to allow one child to be pushed in the stroller 10 and one child to ride the seat attachment 51. The seat attachment may be other shapes also such as cars, trucks, or animal shapes, for example.

[0040] The embodiment of the stroller 10 of Figure 5 comprises an additional accessory attachment portion 58. The accessory attachment portion 58 attaches to a frame member of stroller 10. An embodiment of the accessory attachment portion 58 is shown on Figure 6A. This embodiment is particularly useful for attaching a bag or purse 64, as shown in Figure 6B, to stroller 10.

[0041] When using a stroller, parents or guardians typically carry other items, such as purses, grocery bags, cell phones, diapers, cleaning wipes, or other personal or baby related items. Some strollers have bottom storage baskets for placing such items. However, these storage baskets can be inconvenient to access or some light weight strollers do not include such storage. Therefore, users of the stroller may hang purses or shopping bags on the handle of the stroller. This is convenient in that the bag is easy to access, but the weight of the bag on the handle may cause the stroller to be unbalanced and increase the tendency of the stroller to topple backwards. A heavy bag hung from the handle of a stroller may cause the stroller to tip backwards even with a child in the seat. The problem is worse if the stroller is facing uphill, on uneven terrain, being pushed up a curb, or occupied by a small child. The attachment portion may be attached to the frame of a stroller by any of the clamping or attachment methods described above, for example. Preferably, accessory attachment 58 is attached near the center of gravity of the stroller 10 to avoid creating an unbalanced condition of the stroller. An embodiment of the accessory attachment 58 is shown in Figure 6A. Accessory attachment 58 is shown connected to stroller frame 12 of stroller 10 in Figure 1 near the folding mechanism. Embodiments of the accessory comprise a first end 61 for connecting to a stroller frame and a second end 62 for releasably connecting to the accessory. The first end 61 comprises an aperture 64 that may be connected to frame 12 of the stroller 10. In certain embodiments, the aperture 64 is on an angle – such that when the axis of the accessory attachment portion 58 is substantially horizontal. The accessory attachment 58 may, optionally, comprise a rib for securing the accessory to the accessory attachment 58. The rib as shown in Figure 6A may be replaced with any other locking element or securing means including a friction fitting, a screwed fitting, interference fitting, for example.

[0042] One example of an accessory for attaching to an accessory attachment 58 is shown in Figure 6B. The accessory is a bag or purse 64. The accessory includes an attachment portion 65 that is capable of being secured to the attachment portion 62 on the accessory attachment 58. The bag or purse 64 may be secured on stroller 10 by securing attachment portion 65 to attachment portion 62. The attachment portion 65, as shown, slides over the cylindrical attachment portion 62 of accessory attachment 58. Attachment portion 65 may include an interior annular recess that receives rib 63 securing the bag or purse 58 to stroller 10. The bag or purse 64 is thus secured to the stroller 10 in a center portion of the stroller as viewed from the side. Therefore, the bag or purse 64 is conveniently secured to stroller 10 while not contributing to an unbalanced condition of the stroller 10.

[0043] Another embodiment of the seat attachment 70 comprises two seat attachment members 71, two connector portions 72 and a wheel 73. The two seat attachment members and the wheel are in triangular relationship. The wheel 73 provides additional stability to a stroller connected to the seat attachment 70 if a heavier child is placed in a seat attached to the seat attachment members.

[0044] A further embodiment of the stroller 80 is shown in Figure 8. Stroller 80 may be easily converted from a single stroller comprising one seat to a double stroller comprising two seats without addition of another wheel on the attachment. Stroller 80 comprises a frame 81 capable of supporting the stroller seat 86. In this embodiment, the frame 81 comprises a front wheel support portion 81a, a back wheel support portion 81b, and a handle portion 81c. The frame 81 of the embodiment of the stroller 80 further comprises a folding mechanism 81d that connects front wheel support portion 81a, a back wheel support portion 81b, and a handle portion 81c. The folding mechanism 81d allows the stroller to be folded in a more compact size for storing or transportation. Figure 8A shows stroller 80 in a folded configuration.

[0045] Stroller 80 further comprises at least one front wheel 82 (both front wheels 82 of stroller 80 may be seen in Figure 8A), at least one rear wheel 83 (both rear wheels 83 of stroller 80 may be seen in Figure 8A), a stroller seat 86, and a seat support portion 84 capable of supporting a second seat in front of the stroller seat. The stroller 80 may further comprise a storage basket 87. Seat support portion may be of any design capable of securely supporting a seat on the stroller. For example, the seat support portion 84 may be similar to seat support portion 20 shown in Figure 2 without the wheel 23, the strut 28, pivotal connection 27, and/or the

wheel support frame 26. Preferably, the seat support portion is capable of supporting a seat such that a child in the seat is substantially above the frame of the stroller. This provides easier access to the seat, does not block access to the storage basket, allows more versatile configurations of the seats, allows more variety of seats to be attached to the frame, and allows the parent or other guardian to more easily monitor and see the child in each seat.

[0046] Stroller 80 comprises a stroller seat 86. The stroller seat 86 is located adjacent to handle portion. The stroller seat 86 may be fixedly attached or removably attached to frame 81. In embodiments of the stroller 80 wherein stroller seat 86 is removably attached to frame 81, the stroller seat 86 may be removed and replaced in a backward facing configuration with a second stroller seat 85 connected with seat attachment 84, see Figure 9A, the second stroller seat be replaced by a infant carrier 93 and the stroller seat facing forward, see Figure 9B or or the child carrier 91 may be positioned in the first seat position and the stroller seat 85 in the second seat postion, see Figure 9C, or the child carrier 91 may be replaced with a pram 92, see Figure 9D. In another configuration of the double stroller, two child carriers 93 may connected to the stroller frame 81, see Figure 9E, or one of the child carriers 93 may be replaced with a pram or bassinet 92 as shown in Figure 9F. Embodiments of the stroller 80 may comprise a second seat support element 89 adjacent to the handle portion. A stroller 80 comprising a second seat support element 89 allows the seat to be easily removed and reconfigured to a different orientation or replaced with a different style seat as shown in Figures 9A to 9F.

[0047] Embodiment of the stroller 80 comprises a first seat support element 84. The seat support element 84 is connected to the stroller 80 front wheel support frame 81a. The seat support element 84 is adjacent to the front wheel support portion 81a of frame 81. The seat support element is capable of supporting a second stroller seat 85 in front of the stroller seat 86. This provides convenience and versatility to a user of stroller 80. Seat support element may be fixedly attached or removably attached to front wheel support portion 81a. The front seat 85 may be positioned substantially over the front wheels so the stroller remains stable. Preferably, the seats should be positioned such that the center of gravity of the stroller is between the front and rear wheels. If not an additional wheel may be placed on the attachment as previously described. Seat support element 84 comprises a seat connector 88. Seat connector 88 may be a multipurpose general connector that allows different seats to interchanged on the seat support element 84. Any style seat may be configured to connect to the seat connector, such as but not

limited to, a stroller seat, a baby seat, a bassinet, a pram, a baby carrier, or a car seat, for example.

[0048] An embodiment of the stroller attachment comprises a connector portion, and a seat support element. The connector portion is capable of connecting the seat attachment to the frame.

[0049] In the embodiment shown in Figure 8, stroller 80 comprises a first stroller seat 86 and a second stroller seat 85. Stroller seat 86 is shown in the forward facing configuration and second stroller seat 85 is shown in a backward facing configuration. The seat support element 84 is capable of supporting the seat above the front wheel 82 connected to the wheel support portion 81a. Preferably, the front seat is located substantially over the front wheels and the back seat is located substantially over the rear wheels.

[0050] Though it can not be seen in the side view of Figure 8, a typical embodiment of the stroller will comprise two seat connector portions. One seat connector portion will support each side of the seat. The connector portion may be one piece or multiple parts.

[0051] Figures 9A through 9F show various configurations that are possible with the stroller of the invention. These configurations are not to be considered to be all available configurations of the stroller and one skilled in the art would recognize many additional possibilities based upon this specification and set of drawings. From the foregoing it will be appreciated that, although specific embodiments of the invention have been described herein for purposes of illustration, various modifications may be made without deviating from the spirit and scope of the invention. Accordingly, the invention is not limited except as by the appended claims.

Electronic Patent Application Fee Transmittal

Application Number:	12631375
Filing Date:	04-Dec-2009
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Filer:	Bernard Pike
Attorney Docket Number:	DYN005

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 3 months with $0 paid	2253	1	645	645

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
			Total in USD ($)	**645**

Electronic Acknowledgement Receipt

EFS ID:	14635601
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	6980
Filer:	Bernard Pike
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Attorney Docket Number:	DYN005
Receipt Date:	07-JAN-2013
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Time Stamp:	18:05:54
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Payment was successfully received in RAM	$645
RAM confirmation Number	5555
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Amendment/Req. Reconsideration-After Non-Final Reject	DYN005Response.pdf	103676 05233ba27d5a74f4f078c6ab9251d4984e889d69	no	10
Warnings:					
Information:					
2	Drawings-only black and white line drawings	DYN005Figures.PDF	174591 5c2fd8e913538c236916e12ebf5276fe2c33e479	no	8
Warnings:					
Information:					
3	Specification	DYN005SpecificationChanges.pdf	125927 d600484ee7efda8af3f64801740df7c55b296574	no	14
Warnings:					
Information:					
4	Specification	DYN005SpecificationClean.pdf	98094 0520dda75e5dc9183de4de675cef3742e9a20622	no	14
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	30287 b290c9f41ced53bbe9e466f7127b0335c9883439	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	532575		

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.

<u>New Applications Under 35 U.S.C. 111</u>
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.

<u>National Stage of an International Application under 35 U.S.C. 371</u>
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.

<u>New International Application Filed with the USPTO as a Receiving Office</u>
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.

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
12/631,375	12/04/2009	

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY ☒ RATE ($)	SMALL ENTITY ☒ FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	01/07/2013	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 55	Minus	** 62	= 0	X $31 =	0	OR	X $ =	
	Independent (37 CFR 1.16(h))	* 6	Minus	***5	= 1	X $125 =	125	OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE	125	OR	TOTAL ADD'L FEE	

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/TARA WASHINGTON/

This collection of information is required by 37 CFR 1.16. 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 12 minutes 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	12/04/2009	Mark Zehfuss	DYN005	1624

6980 7590 03/28/2013

TROUTMAN SANDERS LLP
600 Peachtree Street
Suite 5200
Atlanta, GA 30308

EXAMINER	
DOLAK, JAMES M	
ART UNIT	PAPER NUMBER
3618	

NOTIFICATION DATE	DELIVERY MODE
03/28/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jim.schutz@troutmansanders.com
ryan.schneider@troutmansanders.com
patents@troutmansanders.com

Office Action Summary	Application No.	Applicant(s)	
	12/631,375	ZEHFUSS, MARK	
	Examiner	Art Unit	
	JAMES M. DOLAK	3618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *07 May 2012*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5)☒ Claim(s) *1-16,18- 28,32,33,35-42,44-51,53* is/are pending in the application.

5a) Of the above claim(s) *20-27 and 54-62* is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-16,18,19,28,32,33,35-42,44-51 and 53* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☒ Claim(s) *20-27 and 54-62* are subject to restriction and/or election requirement.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☒ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

12)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

1. The reply filed on 1/07/2013 cancelled claims 17, 29-31, 34, 43, 52, and amended claims 4-10. Claims 1-16, 18-28, 32, 33, 35-42, 44-51, and 53, are currently pending herein, however claims 20-27 and 54-62 were previously withdrawn in response to a restriction requirement.

Response to Arguments

2. Applicant's arguments filed 1/07/2013 have been fully considered but they are either not persuasive or moot in view of the amendments and new ground(s) of rejection presented below.

Drawings

3. The drawing objections with regard to reference characters "17" and "24" in Figures 1-3, is withdrawn in light of the amendments.

4. The drawing objection with regard to reference character "83" in Figure 8, is withdrawn in light of the amendments.

5. The drawing objections with regard to claimed features in Claim 32, 34, 48, 51, and 52, are withdrawn in light of the amendments

6. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because no reference characters have been used to designate the parts in Figure 7. Applicant has added new paragraph [0043] to the Specification, but failed to amend Figure 7 which pertains to this paragraph. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the

application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

7. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because it is not clear how the seat attachment and stroller mate especially from a frontal view of the stroller. It is not clear why Applicant has only provided side views of the various strollers, but Applicant is encouraged to provide additional views of the stroller and seat attachment which clearly illustrate how the attachment device mates with the stroller. New Figures 1A and 2A fail to illustrate how two separate attachment frame members/portions (as claimed) mate to the stroller frame. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

8. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the following from Claim 16 must be shown or the feature(s) canceled from the claim(s): “wherein one attachment portion is connected adjacent to one front wheel and the other attachment

portion is connected to the frame adjacent to the other front wheel." No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

9. The Specification objections with regard to Figures 7, 9A, and 9F, are withdrawn in light of the amendments.

Claim Objections

10. The previous claim objections are withdrawn in light of the amendments.

11. Claim 18 is objected to because of the following informality: the claim limitation 'seat support element' in line 2 should most likely be in the plural form, as previously recited in claim 16. Appropriate correction is required

12. Claim 33 is objected to because of the following informality: the claim limitation 'seat support element' in line 1 should be preceded by the word 'the' or 'said.' Appropriate correction is required.

Claim Rejections - 35 USC § 112

13. The following is a quotation of 35 U.S.C. 112(b):

(B) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

14. Claim 32 is rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

15. Claim 32 recites the limitation "the seat attachment portion" in line 2. There is unclear and insufficient antecedent basis for this limitation in the claim. It is believed that this limitation should read: "the seat attachment." Appropriate correction is required.

Claim Rejections - 35 USC § 102

16. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

17. **Claims 28, 32, 33, 35-46, 50, and 51 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Cheng (US 7,475,900)**.

[Claim 28] Regarding Claim 28, Cheng discloses a stroller (See, e.g., Fig.4-8), comprising: a frame (See, e.g., Fig.4-8, 3); two front wheels (See, e.g., Fig.4-8, 33); at least one rear wheel (See, e.g., Fig.4-8, 34); a stroller seat (See, e.g., Fig.4-8, 72); and two attachment portions (See, e.g., Fig.4-8, 410) connected to the frame adjacent to the front wheels (See, e.g., Fig.4-8) wherein each attachment portion is capable of reversibly receiving and supporting a seat attachment (See, e.g., Fig.5, 71), wherein the seat attachment comprises a connector portion (See, e.g., Fig.5, 71 near 410) and a seat support element (See, e.g., Fig.5, 71 near seat).

[Claim 32] Regarding Claim 32, Cheng further discloses wherein the attachment portions comprise a slot (See, e.g., Cheng: Fig.4, near top of 410) for removably connecting the seat attachment portion to the frame (See, e.g., Cheng: Fig.4-5).

[Claim 33] Regarding Claim 33, Cheng discloses wherein the seat support element is capable of supporting a second seat (See, e.g., Fig.5, 71), and the second seat is selected from a stroller seat, an infant carrier, a bassinet, a pram, or a car seat (See, e.g., Fig.5&7-8).

[Claim 35] Regarding Claim 35, Cheng discloses a stroller (See, e.g., Fig.4-8), comprising: a first stroller seat (See, e.g., Fig.4-8, 72) reversibly and releasably connected to a stroller frame (See, e.g., Fig.4-8); two attachment portions (See, e.g., Fig.4-8, 410+420), and

a seat attachment (See, e.g., Fig.4-8, 71) for converting the stroller into a double stroller (See, e.g., Fig.4-8), the seat attachment comprising:

a connector portion (See, e.g., Fig.4-8, portion of 71 nearest 410) capable of reversibly connecting to one of the attachment portions above a front wheel of the stroller (See, e.g., Fig.4-8)

a seat attachment element (See, e.g., Fig.4-8, portion of 71 below seat) capable of supporting a second seat (See, e.g., Fig.4-8, 71) in either a forward (See, e.g., Fig.4) or backward position (See, e.g., Fig.8).

[Claim 36] Regarding Claim 36, Cheng discloses wherein the first stroller seat is releasably connected in a backward position (See, e.g., Fig.7-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

[Claim 37] Regarding Claim 37, Cheng discloses wherein the second stroller seat is one of a stroller seat, a car seat, or a bassinet (See, e.g., Fig.5&7-8).

[Claim 38] Regarding Claim 38, Cheng discloses wherein the second seat is a bassinet or a car seat (See, e.g., Fig.7-8).

[Claim 39] Regarding Claim 39, Cheng discloses wherein the frame further comprises two folding mechanisms (See, e.g., Fig.5-8, unlabeled between elements 31 and 32).

[Claim 40] Regarding Claim 40, Cheng discloses wherein the first seat comprises a releasable connection including a button or a locking tab (See, e.g., Fig.5, 410+420).

[Claim 41] Regarding Claim 41, Cheng discloses comprising a pair of front wheels (See, e.g., Fig.4-8, 33) and a pair of back wheels (See, e.g., Fig.4-8, 34).

[Claim 42] Regarding Claim 42, Cheng discloses wherein the front wheels pivot (See, e.g., Fig.4) and the back wheels are fixed (See, e.g., Fig.4).

[Claim 44] Regarding Claim 44, Cheng discloses wherein one of the two attachment flame members is a right side attachment flame member (See, e.g., Fig.4-8) and the other attachment flame member is a left attachment frame member (See, e.g., Fig.4-8).

[Claim 45] Regarding Claim 45, Cheng discloses wherein the seat attachment comprises two seat support elements (See, e.g., Fig.4-8, 410+420).

[Claim 46] Regarding Claim 46, Cheng discloses wherein the connector portion (See, e.g., Fig.4-8, unlabeled where element 41 connects to element 31: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation “connector portion” Cheng meets the limitation)) is capable of connecting to the stroller frame at the attachment frame members (See, e.g., Fig.4-8).

[Claim 50] Regarding Claim 50, Cheng discloses wherein the connector portion is tubular construction (See, e.g., Fig.4-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitations, as best understood the portion of Cheng which connects together the stroller frame with the seat attachment elements is tubular in construction).

[Claim 51] Regarding Claim 51, Cheng discloses wherein the connector portion has a circular cross-sectional shape (See, e.g., Fig.4-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitations, as best understood the portion of Cheng which connects together the stroller frame with the seat attachment elements is tubular in construction and therefore has a circular cross-section).

Claim Rejections - 35 USC § 103

18. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

19. **Claims 1-6, and 8-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rohl (US 7,677,585 B2) in view of Cheng**.

[Claim 1] Regarding Claim 1, Rohl discloses a seat attachment (See, e.g., Fig.6-7, 1) for a stroller (See, e.g., Fig.6, 2), comprising: two separate attachment frame members (See, e.g., Fig.6-7, 1+18+19), wherein each attachment frame member comprises: a connector portion (See, e.g., Fig.6, 4+5+6+18+19) capable of reversibly

connecting to a stroller frame (See, e.g., Fig.5-6) adjacent a front wheel of the stroller (See, e.g., Fig.6-7); and a seat support element (See, e.g., Fig.5-6, 16) capable of supporting a seat (See, e.g., Fig.6, 20).

Rohl fails to teach wherein the seat support element is capable of supporting a seat in either a forward or backward position.

However Cheng teaches a similar stroller attachment device (See, e.g., Cheng: Fig.5-8) comprising a stroller seat (See, e.g., Cheng: Fig.5-8, 71+72+8+9), wherein the seat support element (See, e.g., Cheng: Fig.5-8, 410+420) is capable of supporting the stroller seat in either a forward or backward position (See, e.g., Cheng: Fig.5-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the seat support element of Rohl to feature the ability to support a seat that faces backwards or forwards as taught by Cheng as an obvious matter of design choice. Moreover it would have been desirable to make this modification because doing so would allow the user of the seat attachment to sit facing forward or reverse thereby allowing the passenger/parent choose which view to provide while in use. Furthermore, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398,416 (2007))

[Claim 2] Regarding Claim 2, the combination of Rohl in view of Cheng further teaches comprising: a wheel (See, e.g., Rohl: Fig.6, 30).

[Claim 3] Regarding Claim 3, the combination of Rohl in view of Cheng further teaches further comprising a wheel support frame (See, e.g., Rohl: Fig.6, 10+12+12a) connecting the wheel to the attachment frame member (See, e.g., Rohl: Fig.1).

[Claim 4] Regarding Claim 4, the combination of Rohl in view of Cheng further teaches wherein the wheel support frame is pivotally connected to the attachment frame member (See, e.g., Rohl: Fig.6-7: Applicant should take note that as best understood the wheel frame/chassis elements of Rohl provide a pivoting action which allow for pivoting between the stroller and connection elements; See, e.g., Claim 12: “pivotable wheel mechanism”).

[Claim 5] Regarding Claim 5, the combination of Rohl in view of Cheng further teaches wherein the wheel support frame is pivotally connected near the middle of the attachment frame member (See, e.g., Rohl: Fig.6-7: Applicant should take note that as best understood the wheel frame/chassis elements of Rohl provide a pivoting action which allow for pivoting between the stroller and connection elements; See, e.g., Claim 12: “pivotable wheel mechanism”).

[Claim 6] Regarding Claim 6, the combination of Rohl in view of Cheng further teaches further comprising a folding mechanism (See, e.g., Rohl: Fig.6-7).

[Claim 8] Regarding Claim 8, the combination of Rohl in view of Cheng further teaches wherein the wheel support frame is capable of pivoting from a first position to a second position (See, e.g., Rohl: Fig.6-7).

[Claim 9] Regarding Claim 9, the combination of Rohl in view of Cheng further teaches wherein the first position is a locked and in-use position (See, e.g., Rohl: Fig.6) and the second position is an unlocked and folded position (See, e.g., Rohl: Fig.7).

[Claim 10] Regarding Claim 10, the combination of Rohl in view of Cheng further teaches wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram (See, e.g., Rohl: Fig.6: Applicant should take note that under the broadest reasonable interpretation Rohl discloses a “stroller seat" for children).

[Claim 11] Regarding Claim 11, the combination of Rohl in view of Cheng further teaches wherein the attachment frame member has a first end (See, e.g., Rohl: Fig.2, near 6) and a second end (See, e.g., Rohl: Fig.6, near 5+19).

[Claim 12] Regarding Claim 12, the combination of Rohl in view of Cheng further teaches wherein the first end is capable of connecting to a stroller frame (See, e.g., Rohl: Fig.6).

[Claim 13] Regarding Claim 13, the combination of Rohl in view of Cheng further teaches wherein the second end is connected to the seat attachment member (See, e.g., Rohl: Fig.5).

[Claims 14/15] Regarding Claims 14 and 15 the combination of Rohl in view of Cheng further teaches wherein the seat support element is capable of supporting a seat in either a forward or backward position (See, e.g., Cheng: Fig.5-8: Applicant should

take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

20. **Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Rohl in view of Cheng as applied to claim 6 above**.

[Claim 7] Regarding Claim 7, Rohl teaches in a second embodiment (See, e.g., Fig.8-31, wherein the folding mechanism comprises a sliding connector (See, e.g., Fig.8-11, sliding strut 144+143) slidingly connected to the attachment frame member and a strut (See, e.g., Fig.8-11, via bracing strut 142) having a first end connected to the sliding member and a second end connected to the wheel support frame (See, e.g., Fig.8-11).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the combination of Rohl in view of Cheng to include different embodiments as explained above and as taught by Rohl in order to increase collapsibility of the seat attachment device and in order to allow for added flexibility in the support members. Additionally, Applicant may wish to note that the Federal Circuit has held that it is permissible to combine two different embodiments disclosed in the same piece of prior art and noted that such a combination does not require "a leap of inventiveness." See, e.g., *Boston Scientific Scimed, Inc. v. Cordis Corp.*, 554 F.3d 982, 991 (Fed. Cir. 2009).

21. **Claims 16, 18, and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rohl in view of Cheng (US 7,475,900 B2)**.

[Claim 16] Regarding Claim 16, Rohl discloses a double stroller (See, e.g., Fig. 6), comprising: a stroller frame (See, e.g., Fig.6, 2) comprising two front wheels (See, e.g., Fig.7, 3), a frame (See, e.g., Fig.4-8, 4), a first seat (See, e.g., Fig.4-8, 2) and two attachment portions (See, e.g., Fig.4-8, 1+18+19) connected to the frame (See, e.g., Fig.5-7), wherein one attachment portion is connected adjacent to one front wheel (See, e.g., Fig.6-7); a seat attachment (See, e.g., Fig. 5-6, 16) comprising a wheel (See, e.g., Fig. 5-6, 30), two seat support elements (See, e.g., Fig. 5-6, 23+16, etc), a second seat (See, e.g., Fig. 5-6, 20+21+22), and two connector portions (See, e.g., Fig. 5-6, 4+5+6+18+19) each connector portion capable of releasably connecting to the attachment portion (See, e.g., Fig. 5-6 Abstract), and wherein the second seat is attached in front of the first seat (See, e.g., Fig.5-6: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the second seat attaches to the frame at a position in front of where the first seat is located and thus meets the claimed limitation).

Rohl fails to explicitly teach wherein the other attachment portion is connected to the frame adjacent to the other front wheel.

However Cheng teaches a similar stroller attachment device (See, e.g., Cheng: Fig.5-8) comprising a stroller seat (See, e.g., Cheng: Fig.5-8, 71+72+8+9), wherein the attachment portions (See, e.g., Cheng: Fig.5-8, 410+420) are both connected to the frame adjacent to the two front wheels (See, e.g., Cheng: Fig.5-8, 33).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the attachment portions of Rohl to both be connected to the stroller

frame adjacent to both front wheels as taught by Cheng as an obvious matter of design choice. Moreover it would have been desirable to make this modification because doing so would allow the user of the seat attachment to place the seats in tandem or one beside the other allowing the passenger/parent to choose which configuration to provide while in use. Furthermore, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398,416 (2007)).

[Claim 18] Regarding Claim 18, the combination of Rohl in view of Cheng further teaches wherein the second seat is releasably connected to the seat support element. (See, e.g., Cheng: Fig.5-8, via 410+420).

[Claim 19] Regarding Claim 19, the combination of Rohl in view of Cheng further teaches wherein the seat support element is capable of supporting a seat in either a forward or backward position (See, e.g., Cheng: Fig.5-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

22. **Claims 47-49 and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cheng as applied to claim 35 above, and further in view of Rohl (US 7,677,585)**.

[Claim 47] Regarding Claim 47, Cheng fails to explicitly teach wherein the connector portion of the seat attachment has a cylindrical shape.

However Rohl teaches a similar stroller seat attachment (See, e.g., Rohl: Fig.5-8) wherein the connector portion (See, e.g., Rohl: Fig.5-8, 5) of the seat attachment (See, e.g., Rohl: Fig.5-8, 1) has a cylindrical shape (See, e.g., Rohl: Fig.5-8, 5: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the connector portion of Rohl appears to have a "cylindrical" (i.e., female) connection member as best shown in figure 5).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the connector portion of Cheng to feature a cylindrical shape as taught by Rolf as an obvious matter of design choice. Moreover it would have been desirable to make this modification because such a connector would encourage a an removable mating connection allowing the user to have greater interchangeability with seat attachments as well as provided ease of storage for travel when the attachment is disconnected from the stroller frame. Furthermore, substitution of one well known element for another known in the field, the combination must do more than yield a predictable result. See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 416 (2007) (citing *U.S. v. Adams*, 383 U.S. 39, 50-51 (1966)).

[Claim 48] Regarding Claim 48, the combination of Cheng in view of Rohl further teaches wherein the attachment frame member has a cylindrical slot (See, e.g., Cheng: Fig.5-8, 410+420).

[Claim 49] Regarding Claim 49, the combination of Cheng in view of Rohl fails to explicitly teach wherein the connector portion of the seat attachment is inserted in the cylindrical recess.

However, it would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the connector portion of the combination of Cheng in view of Rohl to feature wherein the connector portion of the seat attachment is inserted into a mating cylindrical recess of the attachment frame member as an obvious matter of design choice. Furthermore, substitution of one well known element (i.e., one connection type) for another commonly known in the field (i.e., a male/female cylindrical recess and connection portion), the combination must do more than yield a predictable result. See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 416 (2007) (citing *U.S. v. Adams*, 383 U.S. 39, 50-51 (1966)).

[Claim 53] Regarding Claim 53, the combination of Cheng in view of Rohl further teaches wherein the connector portion has a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion (See, e.g., Rohl: Fig.5-6, 5: Applicant should take note that based on the broadest reasonable interpretation of the claim limitations, as best understood the attachment frame member of Rohl appear from the figures to have a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion).

Conclusion

23. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action?

24. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure, and can be found on the attached Notice of References Cited.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES M. DOLAK whose telephone number is (571)270-7757. The examiner can normally be reached on M-F 730AM-5PM (first Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J.Allen Shriver can be reached on (571) 272-6698. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. ALLEN SHRIVER II/
Supervisory Patent Examiner, Art Unit 3618

/JAMES M DOLAK/
Examiner, Art Unit 3618.

Notice of References Cited	Application/Control No. 12/631,375	Applicant(s)/Patent Under Reexamination ZEHFUSS, MARK	
	Examiner JAMES M. DOLAK	Art Unit 3618	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-8,251,382	08-2012	Chen et al.	280/47.41
*	B	US-8,336,904	12-2012	Kylstra, Bart	280/647
*	C	US-8,262,103	09-2012	Enserink et al.	280/31
*	D	US-7,377,537	05-2008	Li, Wei-Yeh	280/650
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	Art Unit
	JAMES M DOLAK	3618

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
280	650,657,647,648,658,639,642,643	6/27/2012	JMD
297	130,232,243,463.1	6/28/2012	JMD

SEARCH NOTES		
Search Notes	Date	Examiner
Class280 Search Assist: SPE J.Allen Shriver	5/10/2012	JMD
Inventor Search	6/21/2012	JMD
Class 297 Search Assist: L.Cranmer	6/27/2012	JMD
Updated Search	2/13/2013	JMD

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/JAMES M DOLAK/ Examiner.Art Unit 3618	

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	("20100140902").PN.	USPAT; USOCR	OR	OFF	2011/11/10 17:53
S2	1	("20100140902").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/11/10 17:55
S3	4	(Zehfuss near2 Mark).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/21 11:03
S4	8	("20030025304" | "20070001429" | "20070114738" | "5338096").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/21 11:10
S5	15	("3223431" | "3915493" | "3917312" | "4886209" | "5184835").PN. OR ("5338096").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/06/21 11:19
S6	1	("7320471").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/06/21 11:26
S7	3	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/06/21 11:26
S8	2837	(280/650,657,647,648,658,639,642,643).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/06/27 15:43
S9	37502244	@ad<="20081204"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:43
S10	1861	S8 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:44

S11	1537	S10 and seat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:44
S12	827	S10 and (seat same attach$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:44
S13	427	S10 and (seat near2 attach$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:44
S14	51	S10 and (seat near2 (attach$4 and convert$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/27 15:46
S15	2446	(297/130,232,243,463.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/06/28 19:10
S16	37502315	@ad<="20081204"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 19:17
S17	1076	S15 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 19:17
S18	2837	(280/650,657,647,648,658,639,642,643).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/06/28 19:17
S19	1861	S18 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 19:17
S20	35	S17 and S19	US-PGPUB; USPAT;	OR	ON	2012/06/28 19:17

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S22	2446	(297/130,232,243,463.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/06/28 23:15
S23	37502315	@ad<="20081204"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 23:15
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S26	1861	S25 and S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 23:15
S27	2902	S24 or S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 23:15
S28	657	S27 and ((wheel and seat) same attach$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 23:15
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EAST Search History (Interference)

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	Art Unit
	JAMES M DOLAK	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	07/01/2012	03/19/2013							
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	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
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	32	✓	✓							
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	Art Unit
	JAMES M DOLAK	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.	:	12/631,375
	:	
First Named Inventor	:	Mark Zehfuss
Filing Date	:	December 4, 2009
Art Unit	:	3618
Examiner	:	James M. Dolak
	:	
Docket No.	:	DYN005

June 12, 2013

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Response to Office Action

Sir:

An Office Action dated March 28, 2013 ("Office Action") has been issued from the United States Patent and Trademark Office in the above-referenced patent application ("Subject Application"). Applicant respectfully submits and respectfully requests consideration of this Response to Office Action ("Response") with amendments to the specification, the claims and drawings.

Claim Listing begins on page 2;
Amendment to the Specification begins on page 9; and
Remarks begin on page 10.

CLAIM LISTING

1. (Previously Presented) A seat attachment for a stroller, comprising:

two separate attachment frame members, wherein each attachment frame member comprises:

a connector portion capable of reversibly connecting to a stroller frame adjacent a front wheel of the stroller and a seat support element capable of supporting a seat in either a forward or backward position.

2. (Original) The seat attachment of claim 1, comprising:

a wheel.

3. (Original) The seat attachment for a stroller of claim 2, further comprising a wheel support frame connecting the wheel to the attachment frame member.

4. (Original) The seat attachment for a stroller of claim 3, wherein the wheel support frame is pivotally connected to the attachment frame member.

5. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is pivotally connected near the middle of the attachment frame member.

6. (Original) The seat attachment for a stroller of claim 5, further comprising a folding mechanism.

7. (Original) The seat attachment for a stroller of claim 6, wherein the folding mechanism comprises a sliding connector slidingly connected to the attachment frame member and a strut having a first end connected to the sliding member and a second end connected to the wheel support frame.

8. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is capable of pivoting from a first position to a second position.

9. (Original) The seat attachment for a stroller of claim 8, wherein the first position is a locked and in-use position and the second position is an unlocked and folded position.

10. (Original) The seat attachment for a stroller of claim 1, wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram.

11. (Original) The seat attachment for a stroller of claim 1, wherein the attachment frame member has a first end and a second end.

12. (Original) The seat attachment for a stroller of claim 11, wherein the first end is capable of connecting to a stroller frame.

13. (Original) The seat attachment for a stroller of claim 12, wherein the second end is connected to the seat attachment member.

14. (Original) The seat attachment for a stroller of claim 1, wherein the seat support element is capable of supporting a seat in either a forward or backward position.

15. (Original) The seat attachment for a stroller of claim 1, further comprising a stroller seat, wherein the seat support element is capable of supporting the stroller seat in either a forward or backward position.

16. (Previously Presented) A double stroller, comprising:

a stroller frame comprising two front wheels, a frame, a first seat and two attachment portions connected to the frame, wherein one attachment portion is connected to the frame adjacent to one front wheel and the other attachment portion is connected to the frame adjacent to the other front wheel;

a seat attachment comprising a wheel, two seat support elements, a second seat, and two connector portions, each connector portion capable of releasably connecting to a corresponding ~~the~~ attachment portion, wherein the second seat is attached in front of the first seat.

17. (Cancelled)

18. (Currently Amended) The double stroller of claim 16, wherein the second seat is releasably connected to the two seat support element~~s~~.

19. (Previously Presented) The double stroller of claim 18, wherein the seat support elements are capable of supporting the second seat in either a forward or backward position.

20. (Withdrawn) A double stroller, comprising:
a first seat attachment capable of removably supporting a child seat; and
a second seat attachment capable of supporting a child seat.

21. (Withdrawn) The double stroller of claim 20, wherein each seat attachment comprises two seat connector portions.

22. (Withdrawn) The double stroller of claim 20, wherein the child seat is one of a stroller seat, a baby carrier, a bassinet, a pram, or a car seat.

23. (Withdrawn) The double stroller of claim 20, comprising a frame, wherein the frame comprises a handle portion, a front wheel support portion and a back wheel support portion.

24. (Withdrawn) The double stroller of claim 23, wherein a first seat attachment is adjacent to the front wheel support portion.

25. (Withdrawn) The double stroller of claim 24, wherein the first seat attachment is above at least one front wheel connected to the wheel support portion.

26. (Withdrawn) The double stroller of claim 25, wherein the second seat attachment is adjacent to the handle portion.

27. (Withdrawn) The double stroller of claim 23, further comprising a folding mechanism that connects the handle portion, the front wheel support portion, and the back wheel support portion.

28. (Currently Amended) A stroller, comprising:

a frame;

two front wheels;

at least one rear wheel;

a stroller seat; and

two attachment portions connected to the frame adjacent to the front wheels, wherein each attachment portion is capable of reversibly receiving and supporting a seat attachment member, wherein the seat attachment member comprises a connector portion for removably connecting to the attachment portion and a seat support element for reversibly connecting a stroller seat between the seat attachment members.

29. to 31. (Cancelled)

32. (Currently Amended) The stroller of claim 28, wherein the attachment portions comprise a slot for removably ~~connecting~~ receiving the connector portion of the seat attachment member ~~portion to the frame~~.

33. (Currently Amended) The stroller of claim 28, wherein the seat support element is capable of supporting a second seat and the second seat is selected from a stroller seat, an infant carrier, a bassinet, a pram, or a car seat.

34. (Cancelled)

35. (Currently Amended) A stroller, comprising:

a first stroller seat reversibly and releasably connected to a stroller frame having a left front wheel and a right front wheel;

two attachment portions attached to the stroller frame, wherein one attachment portion is connected adjacent to the left front wheel and the other attachment portion is connected adjacent to the right front wheel, and

a seat attachment for converting the stroller into a double stroller, the seat attachment comprising:

a connector portion capable of reversibly connecting to one of the attachment portions above a front wheel of the stroller, and

a seat attachment element capable of supporting a second seat in either a forward or backward position.

36. (Previously Presented) The stroller of claim 35, wherein the first stroller seat is releasably connected in a backward position.

37. (Previously Presented) The stroller of claim 36, wherein the second stroller seat is one of a stroller seat, a car seat, or a bassinet.

38. (Previously Presented) The stroller of claim 35, wherein the second seat is a bassinet or a car seat.

39. (Previously Presented) The stroller of claim 36, wherein the frame further comprises two folding mechanisms.

40. (Previously Presented) The stroller of claim 36, wherein the first seat comprises a releasable connection including a button or a locking tab.

41. (Currently Amended) The stroller of claim 36, comprising ~~a pair of front wheels and~~ a pair of back wheels.

42. (Previously Presented) The stroller of claim 41, wherein the front wheels pivot and the back wheels are fixed.

43. (Cancelled)

44. (Previously Presented) The stroller of claim 35, wherein one of the two attachment frame members is a right side attachment frame member and the other attachment frame member is a left attachment frame member.

45. (Previously Presented) The stroller of claim 35, wherein the seat attachment comprises a two seat support elements.

46. (Previously Presented) The stroller of claim 45, wherein the connector portion is capable of connecting to the stroller frame at the attachment frame members.

47. (Previously Presented) The stroller of claim 46, wherein the connector portion of the seat attachment has a cylindrical shape.

48. (Previously Presented) The stroller of claim 47, wherein the attachment frame member has a cylindrical slot.

49. (Previously Presented) The stroller of claim 48, wherein the connector portion of the seat attachment is inserted in the cylindrical recess.

50. (Previously Presented) The stroller of claim 46, wherein the connector portion is tubular construction.

51. (Previously Presented) The stroller of claim 46, wherein the connector portion has a circular cross-sectional shape.

52. (Cancelled)

53. (Previously Presented) The stroller of claim 46, wherein the connector portion has a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion.

54. (Withdrawn) The stroller of claim 35, wherein the seat support element is capable of supporting a car seat either a forward or backward position.

55. (Withdrawn) The stroller of claim 35, wherein the seat support member is capable of supporting a car seat or other baby seat.

56. (Withdrawn) The stroller of claim 55, wherein the seat support member comprises a main support.

57. (Withdrawn) The stroller of claim 56, wherein the main support comprises a cradle for supporting the central portion of the car seat.

58. (Withdrawn) A stroller capable of being converted to a double stroller, comprising:

a releasably connected first seat, wherein the seat is one of a stroller seat, a car seat, or a bassinet and the seat may be attached in a forward or backward facing position; and

a releasably connected second seat, wherein the second seat is on of a stroller seat, a car seat, or a bassinet and the car seat or the bassinet may be attached in a forward or backward facing position.

59. (Withdrawn) The stroller of claim 58, wherein the first seat is a stroller seat.

60. (Withdrawn) The stroller of claim 58, wherein the first seat is a bassinet.

61. (Withdrawn) The stroller of claim 59, wherein the second seat is a car seat.

62. (Withdrawn) The stroller of claim 59, wherein the second seat is a stroller seat.

AMENDMENT TO THE SPECIFICATION

Please add the following paragraphs to the specification after paragraph [0026]:

"FIG. 10 shows a perspective view of an embodiment of a stroller comprising two attachment frame members 17 capable of reversibly receiving two separate seat attachments 20 84, wherein the seat attachments each comprise a seat attachment member 22 for converting the stroller into a double stroller, the seat attachment comprising a connector portion capable of reversibly connecting to one of the attachment portions above a front wheel of the stroller and a seat attachment member capable of supporting a second seat in either a forward or backward position;

FIG. 11 shows a close up on the stroller, stroller front wheel, attachment portion 17 of the stroller adjacent to the front wheel comprising slot 18 and the seat attachment 84."

REMARKS

Claims 1 to 62 were pending in the Subject Application. Of the pending claims, Claims 1 to 19 and 28 to 53 were rejected in the Office Action and Claims 20 to 27 and 54 to 62 are withdrawn from consideration due to an election requirement. Applicants respectfully request reconsideration of Claims 1 to 19 and 28 to 53 based upon the amendments and remarks.

Drawings

Applicants have added new drawings, FIG. 10 and FIG. 11, as requested by the examiner to show an additional view of the invention. The drawings do not include new matter but clearly show the stroller in a perspective view, the two separate attachment frame members that each may be removably connected to the stroller adjacent to each front wheel and the stroller seat that may be removably and reversibly connected between the two separate frame attachment members. The separate seat attachment members as shown in FIG. 10 and FIG. 11 are discussed in paragraph [0015] as well as elsewhere in the specification, for example.

Claim Rejections

The claims of the Subject Application have been rejected under 35 U.S.C. § 102 or 35 U.S.C. §103 based upon a US Patent No. 7,677,585 (Rohl), US Patent No. 7,475,900 (Cheng), or a combinations thereof.

Claims 16, 28, 32, 35, and 41 have been amended to clarify the scope. Neither Rohl nor Cheng describe a seat attachment for a stroller comprising two separate attachment frame members. The two separate frame members allow the seat support elements to be reversibly connected to the stroller frame then removed and easily stored. This simplifies the stroller of Cheng and allows use of the stroller as a single stroller then easily and conveniently converted to a double stroller. Cheng is permanently a double stroller. When using the claimed stroller as a single stroller, the seat attachment members will not interfere with the use of the stroller as in Cheng and allows the second seat to be installed in front of the first seat so it does not increase the width of the stroller as attachment described in Rohl.

The seat attachment member is a simple device comprising a connector portion and a seat support element. The connector portion reversibly, or removably, connects to the attachment portion of the stroller to support the seat support element. The connector portion of the seat

attachment member may simply be a frame member that is received in a slot in the attachment portion of the stroller. The connector portion may be removed from the attachment portion of the stroller to remove the seat attachment portion. As can be seen in FIG. 10, the seat attachment comprises two seat attachment members. A stroller seat may be attached and supported between the two seat attachment members. The stroller seat may be removed and then the two seat attachment members may be removed and the stroller is again a single seat stroller with no further complicated mechanisms. To accomplish this, each attachment frame member comprising comprises a connector portion capable of reversibly connecting to an attachment portion of a stroller frame adjacent a front wheel of the stroller. In some embodiments, the seat support element capable of supporting a seat in either a forward or backward position. The attachment frame members are separate, meaning that they are not connected to each other by additional frame members when not connected to the stroller. The seat connectors of Cheng are permanently connected together and the frame of the stroller.

The prior art cited, Cheng and Rohl, describe patentably distinct strollers and attachments. Rohl provides an additional seat for a stroller that must be attached next to the stroller. Since the stroller is attached on the side of the stroller, the width of the stroller is increased and the push handle is now not centered on the device making maneuverability difficult. The auxiliary seat is not attached adjacent to both front wheels and the connector portions are not separate. In Claim 16, "in front" means the second seat is forward of or ahead of the first seat in the typical direction of travel of the stroller.

Further, the seat attachment members of Cheng is not reversibly connected to the stroller frame. The stroller of Cheng has two pairs of seat support elements permanently attached to the stroller frame. The stroller of Cheng thus requires a complicated folding mechanism. There is no seat attachment member reversibly connected to an attachment portion of the stroller frame. Even so, the seat support elements are not connected to the frame adjacent to the front wheels. They are connected to a pivoting frame member 41.

Claim 1 is directed to a seat attachment comprising two separate attachment frame members. Claim 16 comprises a seat attachment that is connected to connection portions adjacent to each front wheel. Claim 28 is directed to a stroller comprising, among other things, each attachment portion is capable of reversibly receiving and supporting a seat attachment member, wherein the seat attachment member comprises a connector portion for removably

connecting to the attachment portion and a seat support element for reversibly connecting a stroller seat between the seat attachment members. Independent Claim 35 also comprises an attachment that may be reversibly connected to an attachment portion of the stroller. In both Rohl and Cheng the seat support elements or the connection portions are permanently connected together by additional frame members. In Rohl, the attachment is removable but is not connected adjacent to the front wheels and is not two separate attachments. Consideration of the amended claims and the remarks is respectfully requested.

CONCLUSIONS

Applicants respectfully request consideration of the claims pending in the Subject Application and issuance of a Notice of Allowability. Should the Examiner have any remaining concerns, he is requested to contact the undersigned at the telephone number given below so that the concerns may be resolved without issuance of an additional Office Action.

Sincerely,

/Bernard G. Pike/

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Registration No. 46,993

Pike IP Law, PLLC
P.O. Box 8592
Richmond, Virginia 23226
804-615-3939

1/8

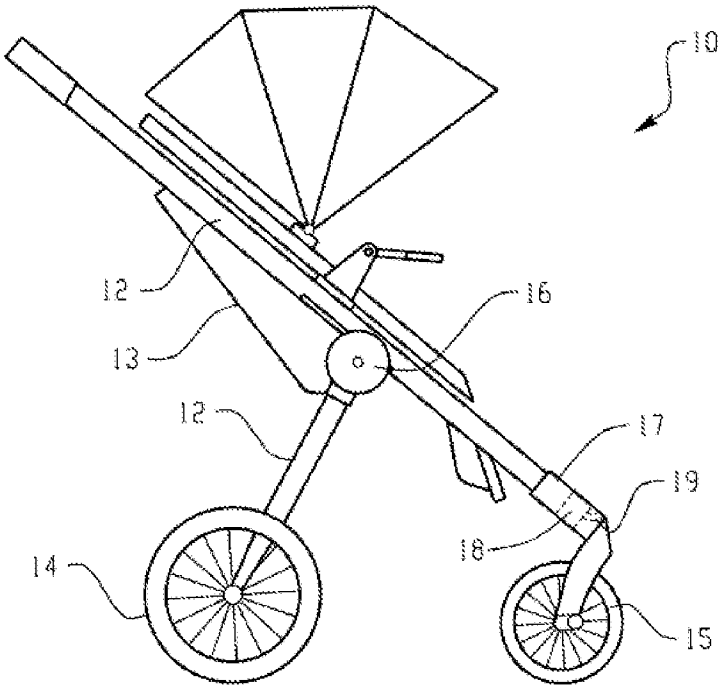


Fig. 1

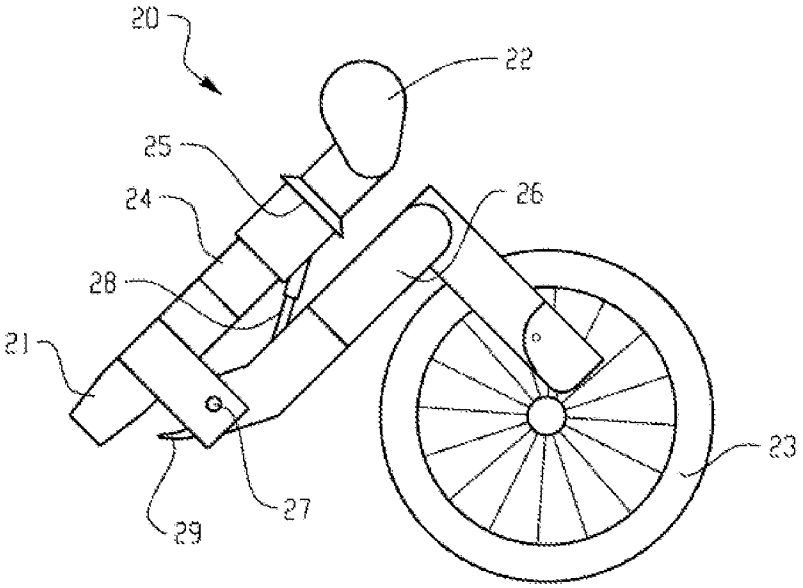


Fig. 2

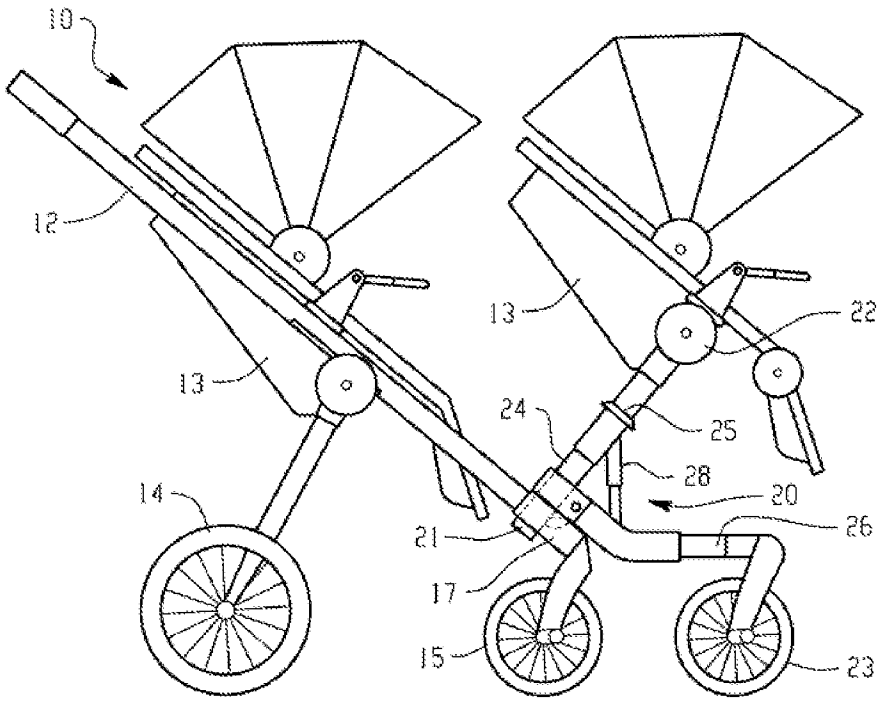


Fig. 3

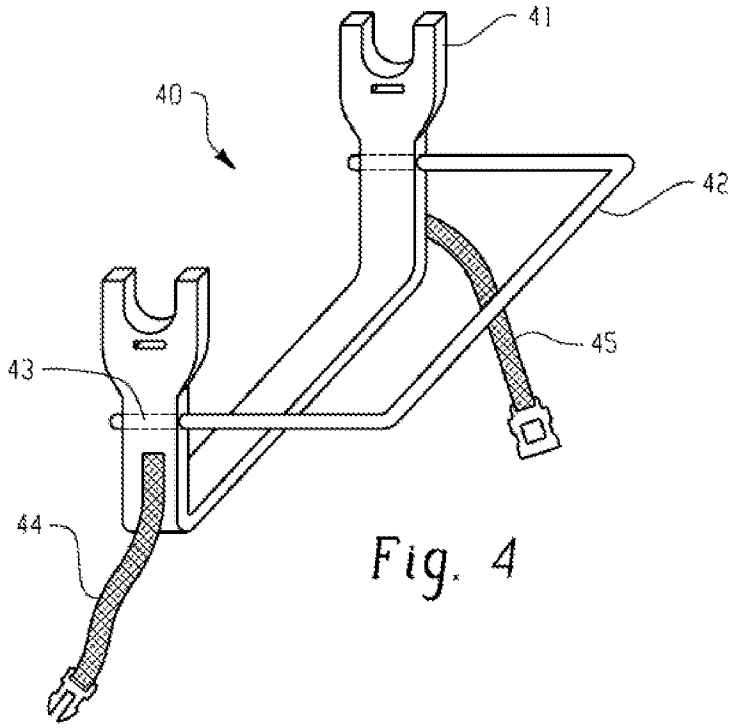


Fig. 4

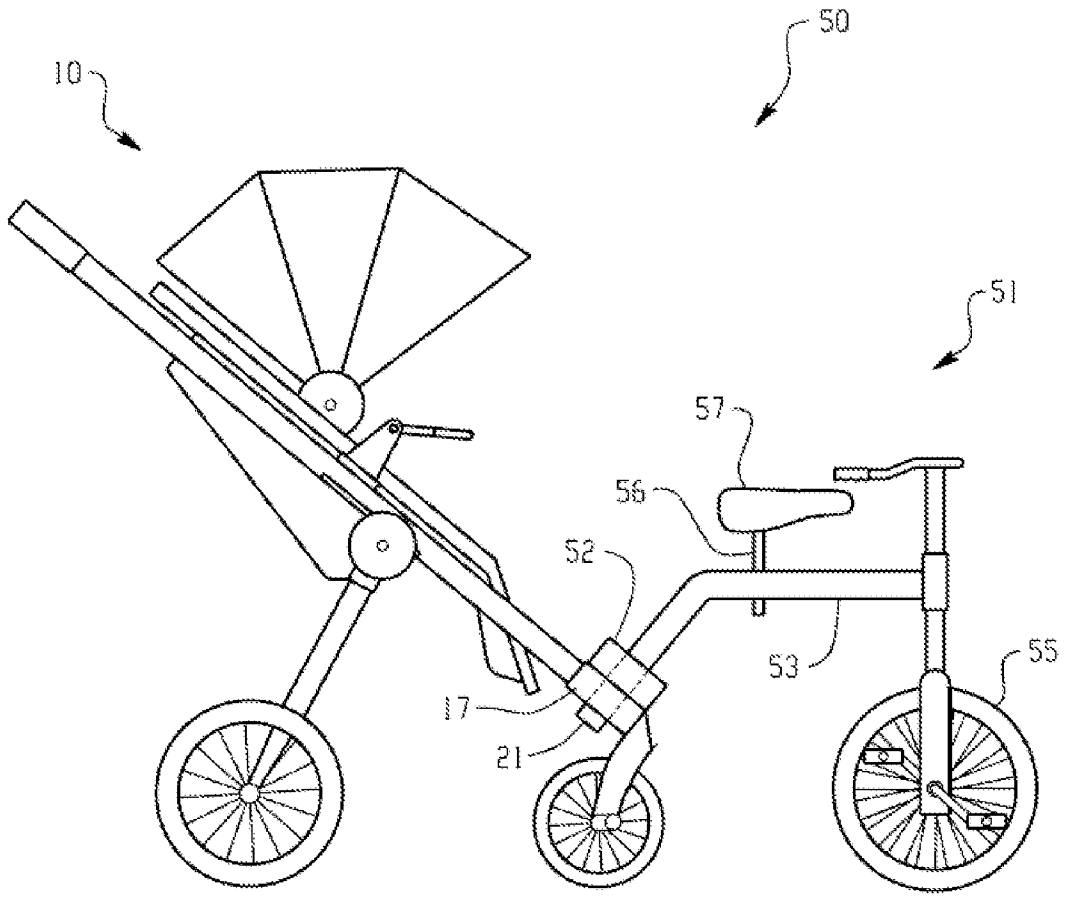


Fig. 5

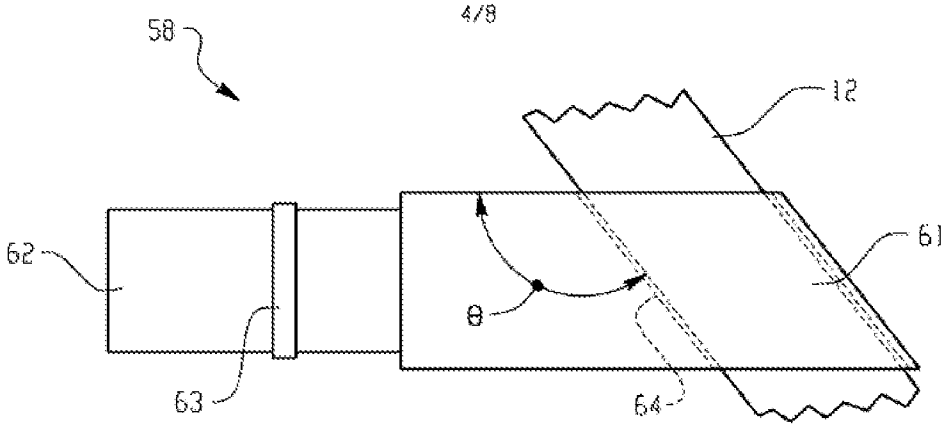


Fig. 6A

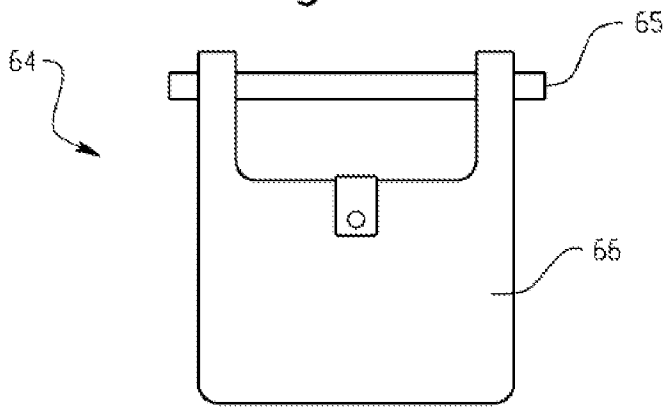


Fig. 6B

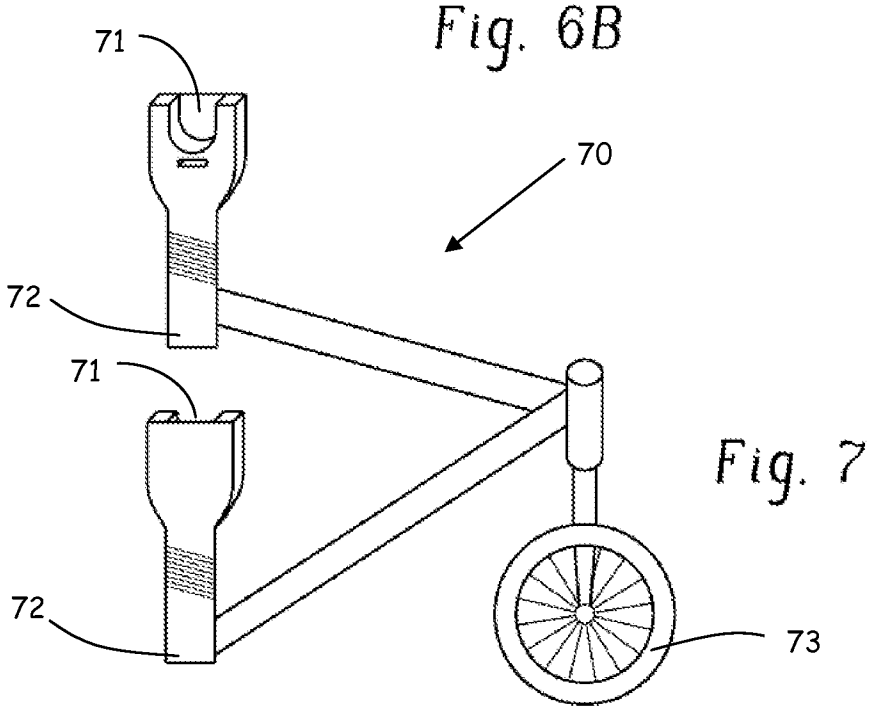


Fig. 7

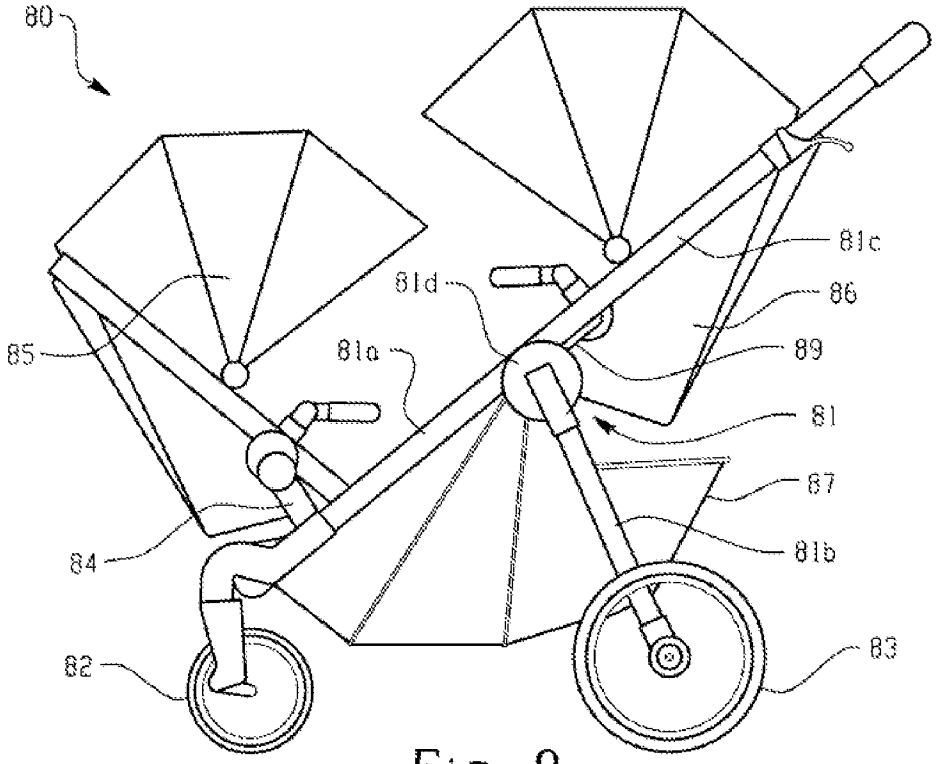

80
81c
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85
81a
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81
87
84
81b
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83

Fig. 8

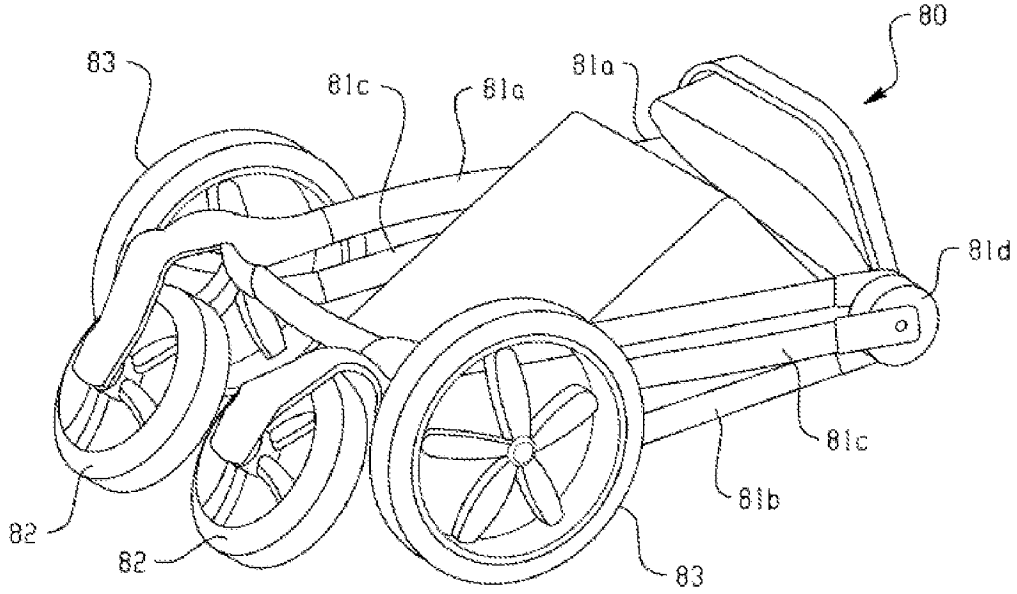

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Fig. 8A

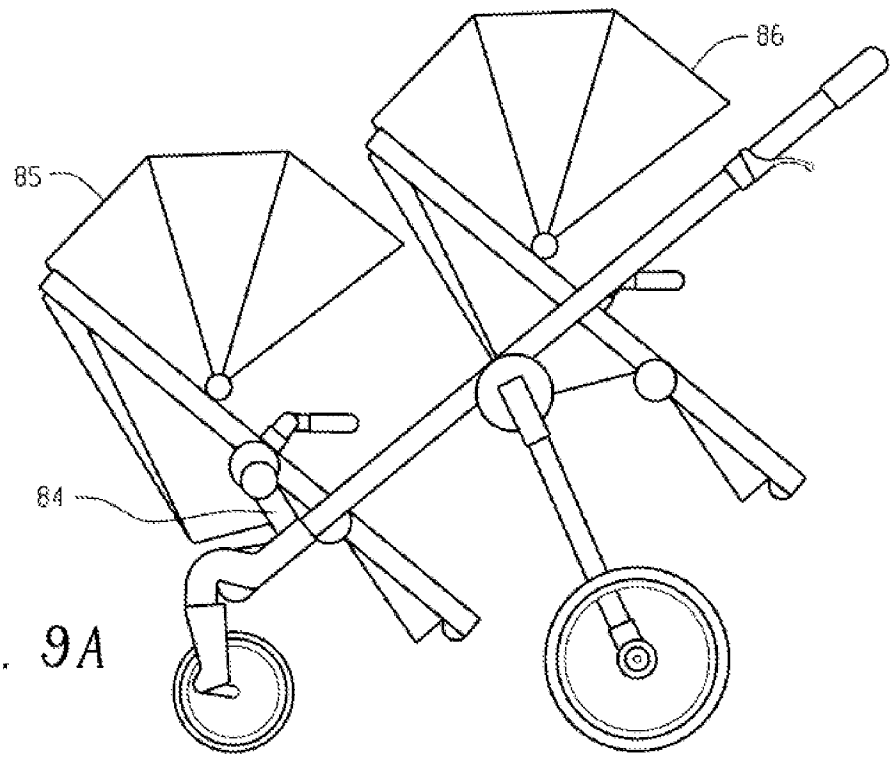


Fig. 9A

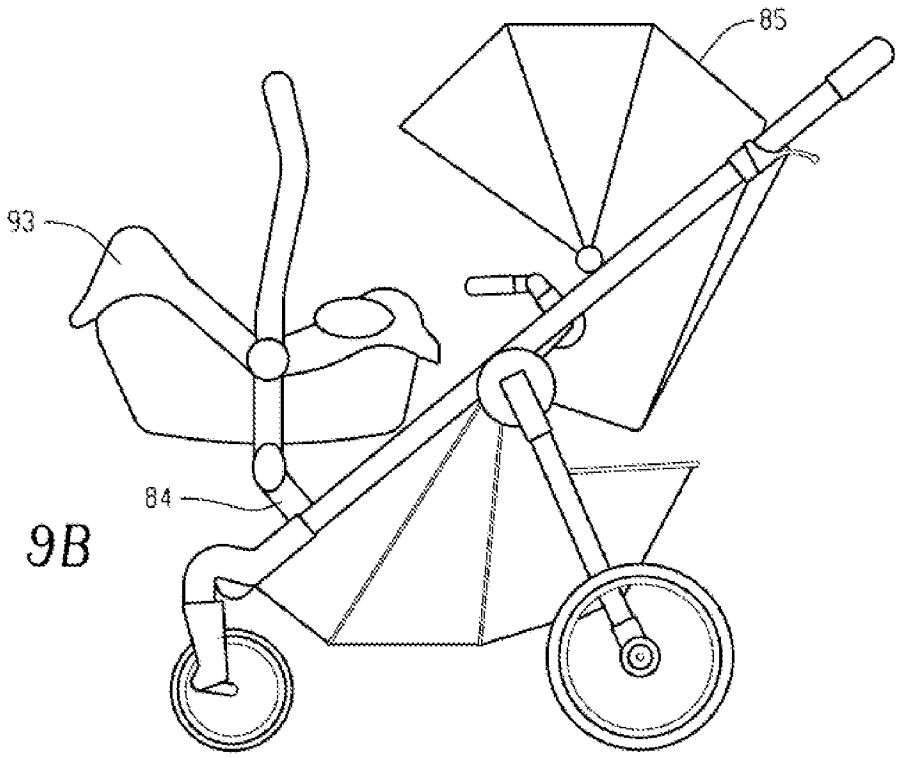


Fig. 9B

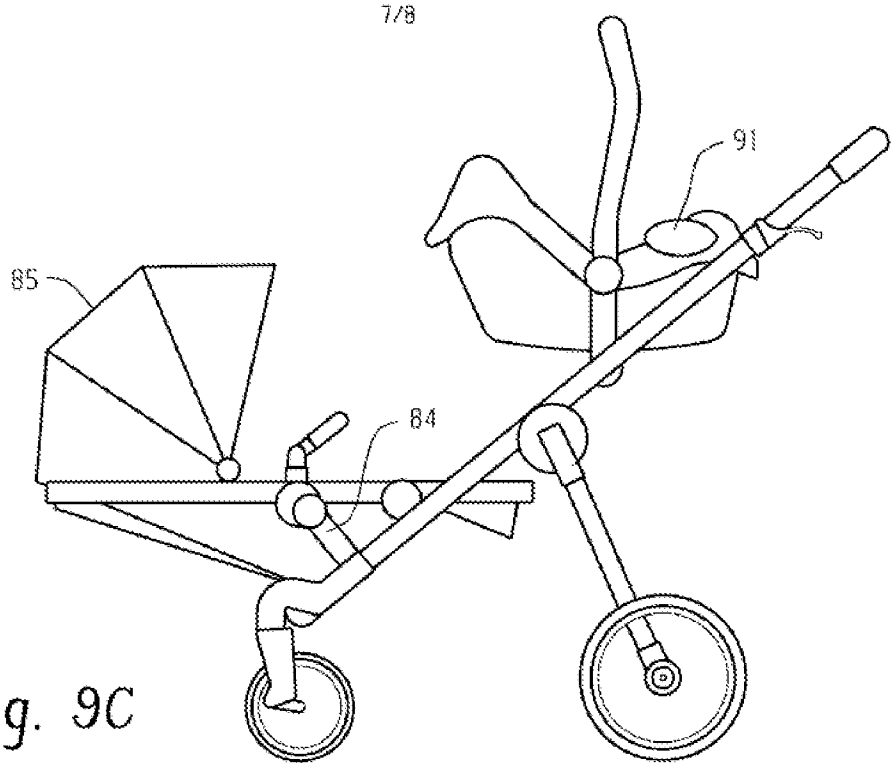


Fig. 9C

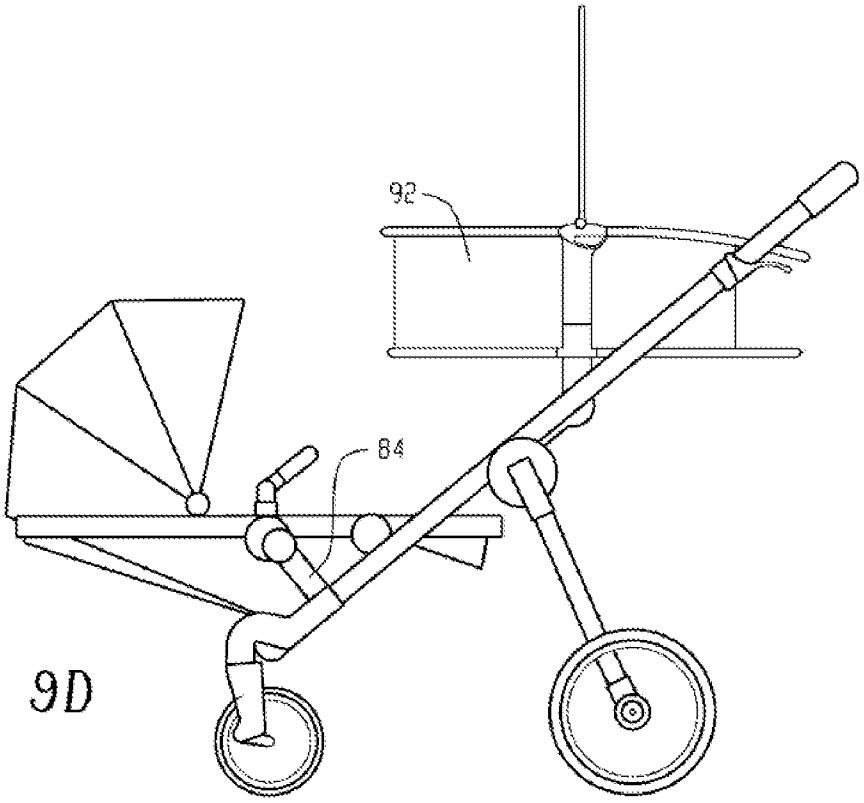


Fig. 9D

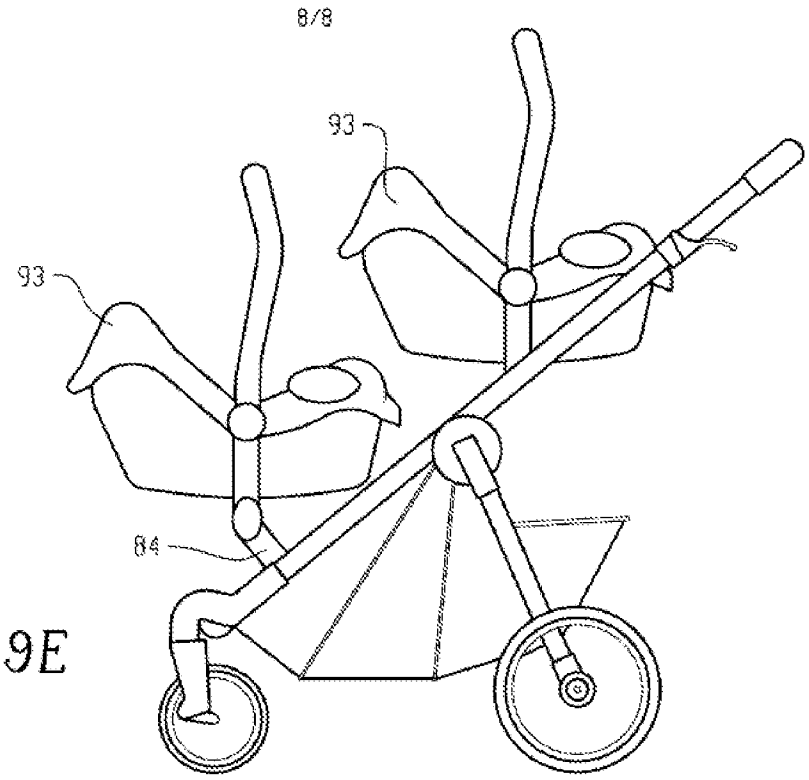


Fig. 9E

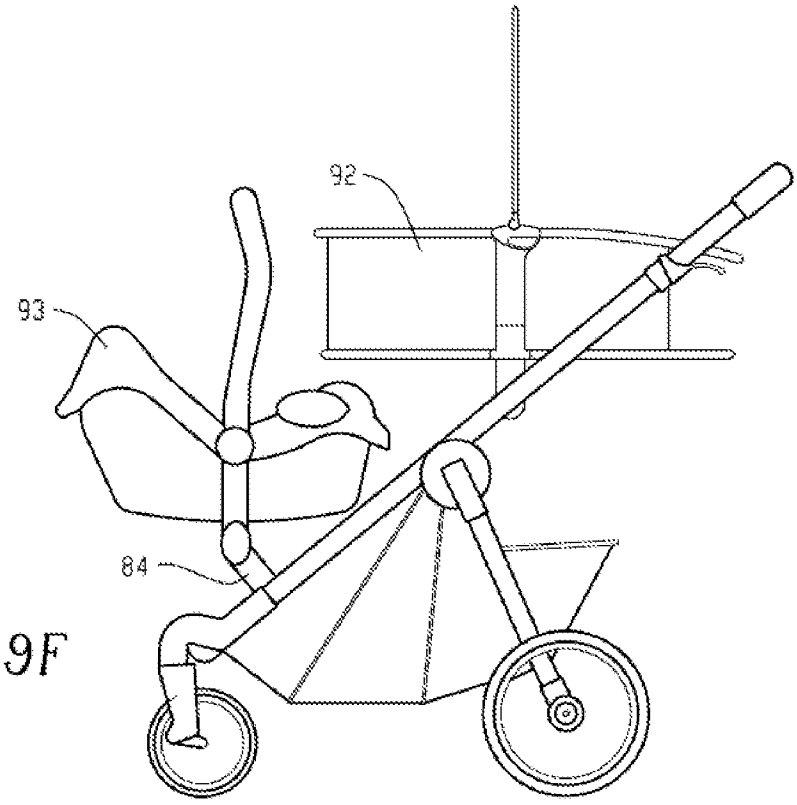


Fig. 9F

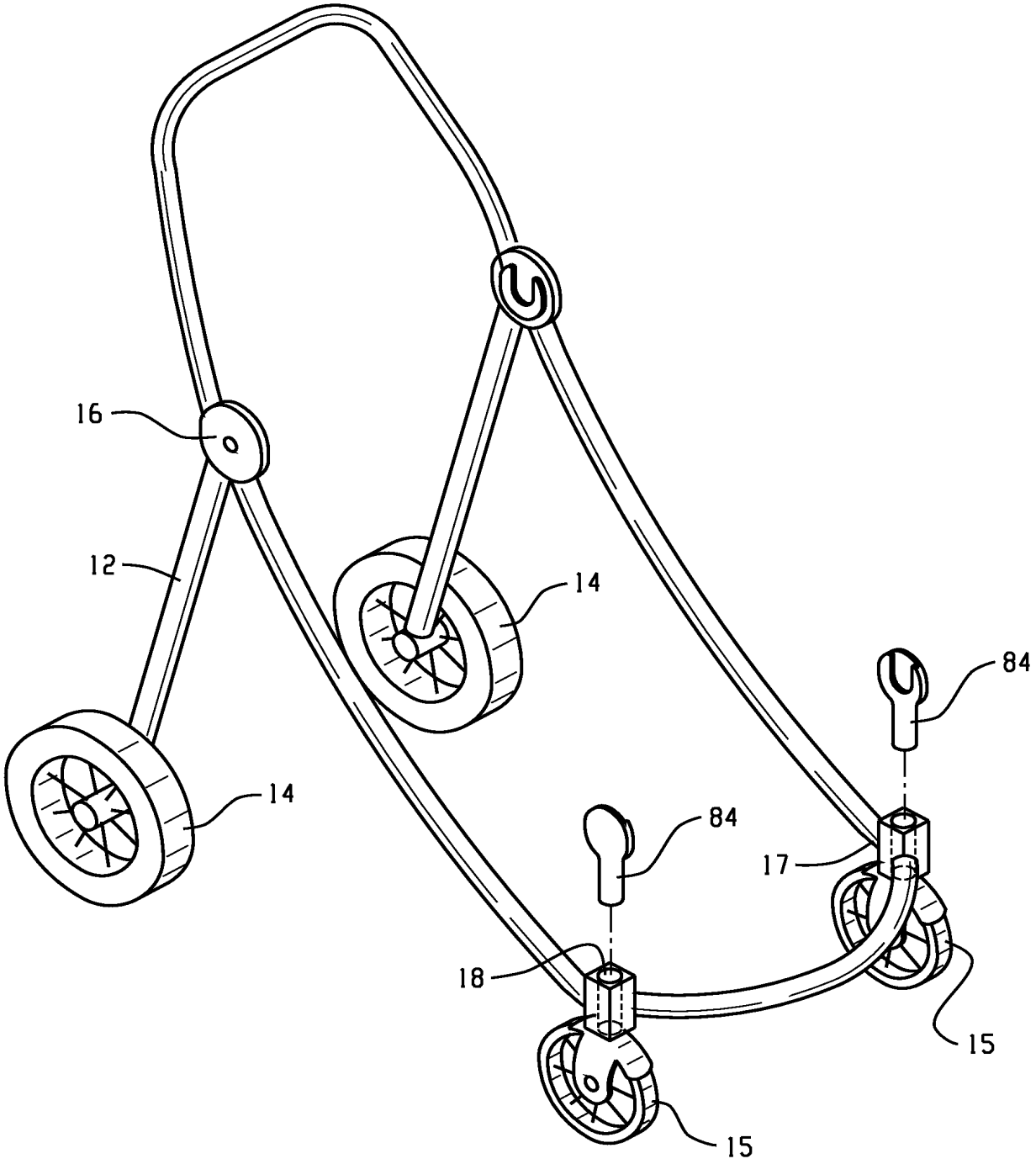


Fig. 10

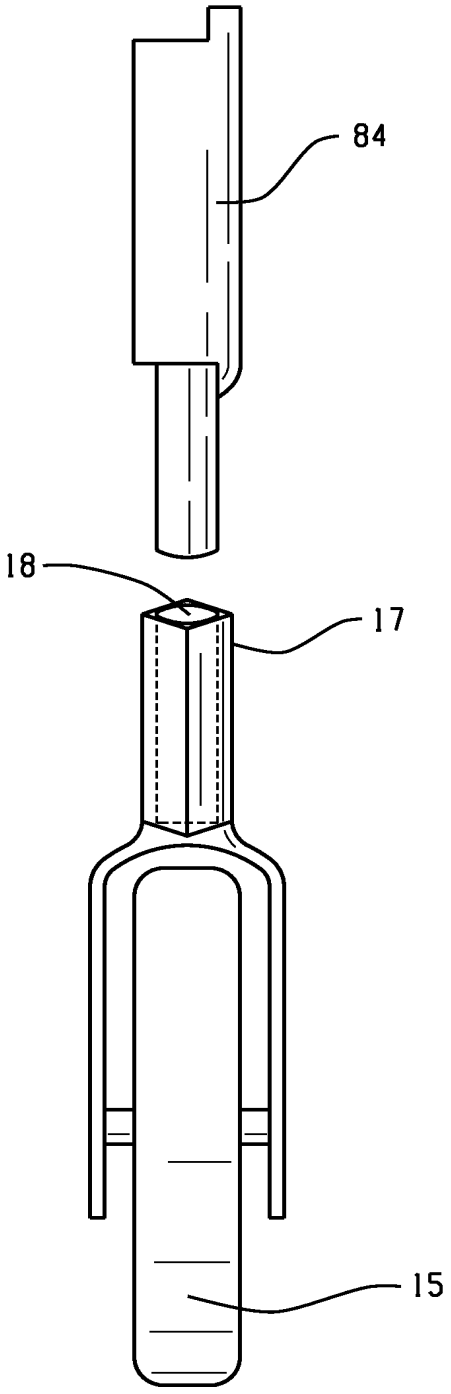


Fig. 11

Electronic Acknowledgement Receipt

EFS ID:	16022572
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	6980
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005
Receipt Date:	12-JUN-2013
Filing Date:	04-DEC-2009
Time Stamp:	17:17:49
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant Arguments/Remarks Made in an Amendment	DYN005Response.pdf	94964 4cccb5a099cea0c32ea50ae41386a13f4b859e40	no	12

Warnings:	
Information:	

2	Drawings-only black and white line drawings	DYN005ReplacementDrawings.pdf	869729 e018a52643127540e969d26c0c67227885ceaccb	no	10

Warnings:	
Information:	
Total Files Size (in bytes):	964693

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.

PTO/SB/06 (07-06)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
12/631,375	12/04/2009	

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY ☒ RATE ($)	SMALL ENTITY ☒ FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
			TOTAL			TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED – PART II

AMENDMENT	06/12/2013	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 54	Minus	** 62	= 0	X $40 =	0	OR	X $ =	
	Independent (37 CFR 1.16(h))	* 6	Minus	***6	= 0	X $210 =	0	OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE	

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/SANDRA GARNETT/

This collection of information is required by 37 CFR 1.16. 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 12 minutes 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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PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/631,375	Filing Date 12/04/2009	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT 06/12/2013

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 54	Minus	** 54	= 0	X $40 =	0
Independent (37 CFR 1.16(h))	* 6	Minus	***6	= 0	X $210 =	0
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/VENICE WILLIAMS/

This collection of information is required by 37 CFR 1.16. 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 12 minutes 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.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	12631375	Filing Date	2009-12-04	Docket Number (if applicable)	DYN005	Art Unit	3618
First Named Inventor	Mark Zehfuss			Examiner Name	James M. Dolak		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☒ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☒ Other Response previously filed

☐ Enclosed

☐ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No _____

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Signature of Registered U.S. Patent Practitioner			
Signature	/Bernard G. Pike/	Date (YYYY-MM-DD)	2013-06-28
Name	Bernard G. Pike	Registration Number	46993

This collection of information is required by 37 CFR 1.114. 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 12 minutes 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.

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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 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 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:	12631375
Filing Date:	04-Dec-2009
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Filer:	Bernard Pike
Attorney Docket Number:	DYN005

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for Continued Examination	2801	1	600	600
		Total in USD ($)		**600**

Electronic Acknowledgement Receipt

EFS ID:	16190692
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	6980
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005
Receipt Date:	28-JUN-2013
Filing Date:	04-DEC-2009
Time Stamp:	15:58:04
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$600
RAM confirmation Number	3581
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Request for Continued Examination (RCE)	DYN005RCETransmittal.pdf	697918 92cf0b838a24e56c3bc5d2ea644f17766abb9b0f	no	3
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30204 796bc8af065756acb4f29a3d807d7d07e64fff70	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	728122	

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	12/04/2009	Mark Zehfuss	DYN005	1624

6980 7590 07/03/2013

TROUTMAN SANDERS LLP
600 Peachtree Street
Suite 5200
Atlanta, GA 30308

EXAMINER	
DOLAK, JAMES M	
ART UNIT	PAPER NUMBER
3618	

NOTIFICATION DATE	DELIVERY MODE
07/03/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jim.schutz@troutmansanders.com
ryan.schneider@troutmansanders.com
patents@troutmansanders.com

Advisory Action Before the Filing of an Appeal Brief	**Application No.** 12/631,375	**Applicant(s)** ZEHFUSS, MARK
	Examiner JAMES M. DOLAK	**Art Unit** 3618

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 12 June 2013 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☒ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:
   a) ☐ The period for reply expires _____months from the mailing date of the final rejection.
   b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
   c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires months from the mailing date of *the prior Advisory Action* or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.
   Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☒ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because
   a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);
   b) ☐ They raise the issue of new matter (see NOTE below);
   c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
   d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.
   NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).
4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☒ For purposes of appeal, the proposed amendment(s): (a) ☒ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
9. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
12. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____
13. ☐ Other: _____.

STATUS OF CLAIMS

14. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed: .
    Claim(s) objected to: .
    Claim(s) rejected: 1-16,18,19,28,32,33,35-42,44-51 and 53.
    Claim(s) withdrawn from consideration: 20-27 and 54-62.

/J. ALLEN SHRIVER II/ Supervisory Patent Examiner, Art Unit 3618	/JAMES M DOLAK/ Examiner, Art Unit 3618

Continuation of 11. does NOT place the application in condition for allowance because: The amendments to independent claims 16, 28, and 35, present new issues which would require further search and consideration. With regard to Applicant's arguments regarding independent claim 1, Examiner reiterates that the previously cited art meets the claim limitations based on the broadest reasonable interpretation of the claims. On page 12 of the Response filed 6/12/2013, Applicant states that: "In Rohl, the attachment is removable but is not connected adjacent to the front wheels and is not two separate attachments." However the Examiner maintains that based on the broadest reasonable interpretation of the claims, the attachment is connected adjacent the front wheels (See, e.g., Fig.6) and that there are two separate attachment frame members (See, e.g., Fig.6-7, 18+19) which attach at separate points to the stroller. Therefore these arguments are not persuasive.

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	12631375	Filing Date	2009-12-04	Docket Number (if applicable)	DYN005	Art Unit	3618
First Named Inventor	Mark Zehfuss			Examiner Name	James M. Dolak		

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SUBMISSION REQUIRED UNDER 37 CFR 1.114

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☒ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☒ Other Response to Office Action filed on June 12, 2013.

☒ Enclosed

☐ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☒ Other Supplemental Response.

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No _____

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-09)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Signature of Registered U.S. Patent Practitioner			
Signature	/Bernard G. Pike/	Date (YYYY-MM-DD)	2013-06-28
Name	Bernard G. Pike	Registration Number	46993

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.	:	12/631,375
	:	
First Named Inventor	:	Mark Zehfuss
Filing Date	:	December 4, 2009
Art Unit	:	3618
Examiner	:	James M. Dolak
	:	
Docket No.	:	DYN005

July 31, 2013

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Supplemental Response to Office Action

Sir:

An Office Action dated March 28, 2013 ("Office Action") and an Advisory Action dated July 3, 2013 have been issued from the United States Patent and Trademark Office in the above-referenced patent application ("Subject Application"). Applicant respectfully submits and respectfully requests consideration of this Supplementary Response to Office Action ("Supplemental Response") and the response to Office Action filed on June 12, 2013 with amendments to the specification, the claims and drawings.

Claim Listing begins on page 2;

Remarks begin on page 10.

CLAIM LISTING

1. (Currently Amended) A seat attachment for a stroller, comprising:

~~two~~ a separate left attachment frame member~~s~~, wherein ~~each~~ the left attachment frame member comprises:

a connector portion capable of reversibly connecting to a stroller frame adjacent a left front wheel of the stroller and a left seat support element capable of supporting a seat in either a forward or backward position; and

a separate right attachment frame member, wherein the right attachment frame member comprises:

a connector portion capable of reversibly connecting to a stroller frame adjacent a right front wheel of the stroller and a right seat support element capable of supporting a seat in either a forward or backward position between the left and right support elements.

2. (Original) The seat attachment of claim 1, comprising:

a wheel.

3. (Currently Amended) The seat attachment for a stroller of claim 2, further comprising a wheel support frame connecting the wheel to one of the attachment frame member~~s~~.

4. (Original) The seat attachment for a stroller of claim 3, wherein the wheel support frame is pivotally connected to the attachment frame member.

5. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is pivotally connected near the middle of the attachment frame member.

6. (Original) The seat attachment for a stroller of claim 5, further comprising a folding mechanism.

7. (Original) The seat attachment for a stroller of claim 6, wherein the folding mechanism comprises a sliding connector slidingly connected to the attachment frame member and a strut having a first end connected to the sliding member and a second end connected to the wheel support frame.

8. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is capable of pivoting from a first position to a second position.

9. (Original) The seat attachment for a stroller of claim 8, wherein the first position is a locked and in-use position and the second position is an unlocked and folded position.

10. (Original) The seat attachment for a stroller of claim 1, wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram.

11. (Original) The seat attachment for a stroller of claim 1, wherein the attachment frame member has a first end and a second end.

12. (Original) The seat attachment for a stroller of claim 11, wherein the first end is capable of connecting to a stroller frame.

13. (Original) The seat attachment for a stroller of claim 12, wherein the second end is connected to the seat attachment member.

14. (Original) The seat attachment for a stroller of claim 1, wherein the seat support element is capable of supporting a seat in either a forward or backward position.

15. (Original) The seat attachment for a stroller of claim 1, further comprising a stroller seat, wherein the seat support element is capable of supporting the stroller seat in either a forward or backward position.

16. (Previously Presented) A double stroller, comprising:

a stroller frame comprising two front wheels, a frame, a first seat and two attachment portions connected to the frame, wherein one attachment portion is connected to the frame adjacent to one front wheel and the other attachment portion is connected to the frame adjacent to the other front wheel;

a seat attachment comprising a wheel, two seat support elements, a second seat, and two connector portions, each connector portion capable of releasably connecting to a corresponding attachment portion, wherein the second seat is attached in front of the first seat.

17. (Cancelled)

18. (Previously Presented) The double stroller of claim 16, wherein the second seat is releasably connected to the two seat support elements.

19. (Previously Presented) The double stroller of claim 18, wherein the seat support elements are capable of supporting the second seat in either a forward or backward position.

20. (Withdrawn) A double stroller, comprising:

a first seat attachment capable of removably supporting a child seat; and

a second seat attachment capable of supporting a child seat.

21. (Withdrawn) The double stroller of claim 20, wherein each seat attachment comprises two seat connector portions.

22. (Withdrawn) The double stroller of claim 20, wherein the child seat is one of a stroller seat, a baby carrier, a bassinet, a pram, or a car seat.

23. (Withdrawn) The double stroller of claim 20, comprising a frame, wherein the frame comprises a handle portion, a front wheel support portion and a back wheel support portion.

24. (Withdrawn) The double stroller of claim 23, wherein a first seat attachment is adjacent to the front wheel support portion.

25. (Withdrawn) The double stroller of claim 24, wherein the first seat attachment is above at least one front wheel connected to the wheel support portion.

26. (Withdrawn) The double stroller of claim 25, wherein the second seat attachment is adjacent to the handle portion.

27. (Withdrawn) The double stroller of claim 23, further comprising a folding mechanism that connects the handle portion, the front wheel support portion, and the back wheel support portion.

28. (Currently Amended) A stroller, comprising:

a frame;

two front wheels;

at least one rear wheel;

a stroller seat; and

two attachment portions connected to the frame adjacent to the front wheels, wherein each attachment portion is capable of reversibly receiving and supporting a seat attachment member, wherein each of the seat attachment members comprises a connector portion for removably connecting to the attachment portion and a seat support element for reversibly connecting a stroller seat between the seat attachment members.

29. to 31. (Cancelled)

32. (Previously Presented) The stroller of claim 28, wherein the attachment portions comprise a slot for removably receiving the connector portion of the seat attachment member.

33. (Previously Presented) The stroller of claim 28, wherein the seat support element is capable of supporting a second seat and the second seat is selected from a stroller seat, an infant carrier, a bassinet, a pram, or a car seat.

34. (Cancelled)

35. (Previously Presented) A stroller, comprising:

a first stroller seat reversibly and releasably connected to a stroller frame having a left front wheel and a right front wheel;

two attachment portions attached to the stroller frame, wherein one attachment portion is connected adjacent to the left front wheel and the other attachment portion is connected adjacent to the right front wheel, and

a seat attachment for converting the stroller into a double stroller, the seat attachment comprising:

a connector portion capable of reversibly connecting to one of the attachment portions above a front wheel of the stroller, and

a seat attachment element capable of supporting a second seat in either a forward or backward position.

36. (Previously Presented) The stroller of claim 35, wherein the first stroller seat is releasably connected in a backward position.

37. (Previously Presented) The stroller of claim 36, wherein the second stroller seat is one of a stroller seat, a car seat, or a bassinet.

38. (Previously Presented) The stroller of claim 35, wherein the second seat is a bassinet or a car seat.

39. (Previously Presented) The stroller of claim 36, wherein the frame further comprises two folding mechanisms.

40. (Previously Presented) The stroller of claim 36, wherein the first seat comprises a releasable connection including a button or a locking tab.

41. (Previously Presented) The stroller of claim 36, comprising a pair of back wheels.

42. (Previously Presented) The stroller of claim 41, wherein the front wheels pivot and the back wheels are fixed.

43. (Cancelled)

44. (Previously Presented) The stroller of claim 35, wherein one of the two attachment frame members is a right side attachment frame member and the other attachment frame member is a left attachment frame member.

45. (Previously Presented) The stroller of claim 35, wherein the seat attachment comprises a two seat support elements.

46. (Previously Presented) The stroller of claim 45, wherein the connector portion is capable of connecting to the stroller frame at the attachment frame members.

47. (Previously Presented) The stroller of claim 46, wherein the connector portion of the seat attachment has a cylindrical shape.

48. (Previously Presented) The stroller of claim 47, wherein the attachment frame member has a cylindrical slot.

49. (Previously Presented) The stroller of claim 48, wherein the connector portion of the seat attachment is inserted in the cylindrical recess.

50. (Previously Presented) The stroller of claim 46, wherein the connector portion is tubular construction.

51. (Previously Presented) The stroller of claim 46, wherein the connector portion has a circular cross-sectional shape.

52. (Cancelled)

53. (Previously Presented) The stroller of claim 46, wherein the connector portion has a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion.

54. (Withdrawn) The stroller of claim 35, wherein the seat support element is capable of supporting a car seat either a forward or backward position.

55. (Withdrawn) The stroller of claim 35, wherein the seat support member is capable of supporting a car seat or other baby seat.

56. (Withdrawn) The stroller of claim 55, wherein the seat support member comprises a main support.

57. (Withdrawn) The stroller of claim 56, wherein the main support comprises a cradle for supporting the central portion of the car seat.

58. (Withdrawn) A stroller capable of being converted to a double stroller, comprising:

a releasably connected first seat, wherein the seat is one of a stroller seat, a car seat, or a bassinet and the seat may be attached in a forward or backward facing position; and

a releasably connected second seat, wherein the second seat is on of a stroller seat, a car seat, or a bassinet and the car seat or the bassinet may be attached in a forward or backward facing position.

59. (Withdrawn) The stroller of claim 58, wherein the first seat is a stroller seat.

60. (Withdrawn) The stroller of claim 58, wherein the first seat is a bassinet.

61. (Withdrawn) The stroller of claim 59, wherein the second seat is a car seat.

62. (Withdrawn) The stroller of claim 59, wherein the second seat is a stroller seat.

REMARKS

Claims 1 to 62 were pending in the Subject Application. Of the pending claims, Claims 1 to 19 and 28 to 53 were rejected in the Office Action and Claims 20 to 27 and 54 to 62 are withdrawn from consideration due to an election requirement. Applicants respectfully request reconsideration of Claims 1 to 19 and 28 to 53 based upon the amendments and remarks.

Claim Rejections

The claims of the Subject Application have been rejected under 35 U.S.C. § 102 or 35 U.S.C. §103 based upon a US Patent No. 7,677,585 (Rohl), US Patent No. 7,475,900 (Cheng), or a combinations thereof.

Neither Rohl nor Cheng describe a seat attachment for a stroller comprising two separate attachment frame members. The two separate frame members allow the seat support elements to be reversibly connected to the stroller frame then removed and easily stored. This simplifies the stroller of Cheng and allows use of the stroller as a single stroller then easily and conveniently converted to a double stroller. Cheng is permanently a double stroller. When using the claimed stroller as a single stroller, the seat attachment members will not interfere with the use of the stroller as in Cheng and allows the second seat to be installed in front of the first seat so it does not increase the width of the stroller as attachment described in Rohl.

The seat attachments members are separate. As used herein, the term "separate" means that they are not connected directly or indirectly by frame members or other components of the seat attachment members; each seat attachment member forms a unit by itself. One may be installed on the stroller and the other may still in your hand. Each separate and independent seat attachment member is a separate simple device comprising a connector portion and a seat support element. The connector portion reversibly, or removably, connects to the attachment portion of the stroller to support the seat support element.

The left seat attachment member is connected adjacent to the left front wheel and the right seat attachment member is connected adjacent to the right front wheel. A stroller seat may then be attached and supported between the two seat attachment members above the front wheels. The stroller seat may be removed and then the two seat attachment members may be removed and the stroller is again a single seat stroller with no further complicated mechanisms.

The prior art cited, Cheng and Rohl, describe patentably distinct strollers and attachments. Rohl provides an additional seat for a stroller that must be attached next to the stroller. The attachment of Rohl is attached to the left side of the stroller. The attachment of Rohl may comprise two connectors but the connectors are connected to left side of the stroller, one in front of the other to secure the attachment to the left side of the stroller. According to the examiner, in the broadest sense the connectors may be considered connected next to a front wheel, the left front wheel. However, one connector cannot be considered to be connected adjacent to the left front wheel and one connected adjacent to the right front wheel even in the broadest sense. Further, the connectors are not separate but connected together by a frame members.

In Rohl, the attachment is removable but is not connected adjacent to the front wheels and is not two separate attachments as claimed. Consideration of the amended claims and the remarks is respectfully requested.

CONCLUSIONS

Applicants respectfully request consideration of the claims pending in the Subject Application and issuance of a Notice of Allowability. Should the Examiner have any remaining concerns, he is requested to contact the undersigned at the telephone number given below so that the concerns may be resolved without issuance of an additional Office Action.

Sincerely,

/Bernard G. Pike/

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Richmond, Virginia 23226
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Electronic Patent Application Fee Transmittal

Application Number:	12631375
Filing Date:	04-Dec-2009
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Filer:	Bernard Pike
Attorney Docket Number:	DYN005

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for Continued Examination	2801	1	600	600
		Total in USD ($)		**600**

Electronic Acknowledgement Receipt

EFS ID:	16463713
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	6980
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005
Receipt Date:	31-JUL-2013
Filing Date:	04-DEC-2009
Time Stamp:	12:55:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$600
RAM confirmation Number	11109
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Request for Continued Examination (RCE)	DYN005RCETransmittal.pdf	697840 4b3ac577ff80558d2da2ebf62d3f3b9220d57b87	no	3
Warnings:					
Information:					
2	Amendment Submitted/Entered with Filing of CPA/RCE	DYN005ResponseJuly.pdf	91106 26a32a46600860bfb29f3e5a8318c1eeea0d3687	no	11
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30205 3d6b9df2fe2ae684293b0167e107930d3bec9acc	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	819151	

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.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/631,375	Filing Date 12/04/2009	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	07/31/2013	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 55	Minus	** 62	= 0	X $40 =	0
	Independent (37 CFR 1.16(h))	* 6	Minus	***6	= 0	X $210 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	0

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/DANTE SMITH/

This collection of information is required by 37 CFR 1.16. 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 12 minutes 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	12/04/2009	Mark Zehfuss	DYN005	1624

6980 7590 08/02/2013

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600 Peachtree Street
Suite 5200
Atlanta, GA 30308

EXAMINER	
DOLAK, JAMES M	
ART UNIT	PAPER NUMBER
3618	

NOTIFICATION DATE	DELIVERY MODE
08/02/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jim.schutz@troutmansanders.com
ryan.schneider@troutmansanders.com
patents@troutmansanders.com

Office Action Summary	Application No.	Applicant(s)	
	12/631,375	ZEHFUSS, MARK	
	Examiner	Art Unit	
	JAMES M. DOLAK	3618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *07 May 2012*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5)☒ Claim(s) *1-16,18- 28,32,33,35-42,44-51,53-62* is/are pending in the application.

5a) Of the above claim(s) *20-27 and 54-62* is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-16,18,19,28,32,33,35-42,44-51 and 53* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☒ Claim(s) *20-27 and 54-62* are subject to restriction and/or election requirement.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☒ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

12)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/12/2013 has been entered.

Response to Amendment

2. The reply filed on 6/12/2013, added replacement drawings, amended the Specification by adding two new paragraphs, and amended claims 16, 18, 28, 32, 33, 35, and 41. Claims 1-16, 18-28, 32, 33, 35-42, 44-51, and 53-62 are currently pending herein, however claims 20-27 and 54-62 were previously withdrawn in response to a restriction requirement.

Response to Arguments

3. Applicant's arguments filed 6/12/2013 have been fully considered but they are either not persuasive or moot in view of the amendments and new ground(s) of rejection presented below. Applicant's arguments not rendered moot have been addressed below:

a. **On pages 10-12 of the reply, regarding Claim 1, Applicant states:**

"*Neither Rohl nor Cheng describe a seat attachment for a stroller comprising two separate attachment frame members…[which] allow the seat support elements to*

be reversibly connected to the stroller frame then removed and easily stored." Applicant is reminded that the arguments should be organized in order to direct the Examiner to the rejections and cited art as applied to the claim limitations in each separate set of independent claims. Currently, the Applicant appears to have argued against each reference individually, however, one cannot show nonobviousness by attacking references individually where the rejections are based on a combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.,* 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). As best understood, the arguments which state the "seat attachment" appear to be directed to independent Claim 1. However, Examiner reiterates, that the seat attachment cited in the Rohl reference provides for two separate attachment frame members (See, e.g., Rohl: Fig.6-7, 1+7+18+19), based on the broadest reasonable interpretation of the claims which are reversibly connected and able to be removed and easily stored (See, e.g., Rohl: Fig.2-6; Abstract: "attachable"). Applicant further states: "*In Rohl, the attachment is removable but is not connected adjacent to the front wheels and is not two separate attachments.*" The Examiner maintains that the two separate seat attachments of Rohl are connected/attached "adjacent a front wheel," as required by Claim 1, based on the broadest reasonable interpretation. Applicant lastly states: "*The prior art cited, Cheng and Rohl, describe patentably distinct strollers and attachments. Rohl provides an additional seat for a stroller that must be attached next to the stroller. Since the stroller is attached on the side of the*

stroller, the width of the stroller is increased and the push handle is now not centered on the device making maneuverability difficult." While the Examiner agrees that both Cheng and Rohl are separate patent references, and therefore patentably distinct, the Examiner maintains that one of ordinary skill in the art would be able to combine the references as cited. Moreover, the recent KSR case stated that "[a] person of ordinary skill is also a person of ordinary creativity, not an automaton" (*KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 421 (2007)), and that those of ordinary skill in the art of vehicle design realized that "[t]he interaction of multiple components means that changing one component often requires the others to be modified as well." *KSR*, 550 U.S. at 424. Thus, a person having ordinary skill in the art here would have the required ability and creativity to modify the stroller seat of one stroller such that it was capable of being used with the stroller of another reference in the same field. Furthermore, it is noted that the features upon which applicant relies (i.e., "the width of the stroller is increased and the push handle is now not centered on the device making maneuverability difficult") are not recited in all of the rejected claims. Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See, *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Applicant is reminded, that "[t]he invention disclosed in [a] written description may be outstanding in its field, but the name of the game is the claim." *In re Hiniker Co.*, 47 USPQ 1523, 1529 (Fed. Cir. 1998). Specifically, if Applicants believe that an invention has decreased

width or better maneuverability over the prior art, Applicant must find a way to convey this argument in the claims. Therefore these arguments are not persuasive.

b. **On pages 10-12 of the reply, regarding Claims 28 and 35, Applicant states:** "*This simplifies the stroller of Cheng and allows use of the stroller as a single stroller then easily and conveniently converted to a double stroller. Cheng is permanently a double stroller.*" Applicant is reminded that the Cheng reference is provided for both the claimed "stroller" (Claim 28) and the "converting the stroller into a double stroller" (Claim 35). Based on the broadest reasonable interpretation of the claim limitations, as best understood the Cheng reference can be used as a single stroller (See, e.g., Cheng: Fig.1) and can then be converted into a double stroller (See, e.g., Cheng: Fig.5). It is not permanently a double stroller as stated by Applicant. Applicant further states: "*The attachment frame members are separate, meaning that they are not connected to each other by additional frame members when not connected to the stroller. The seat connectors of Cheng are permanently connected together and the frame of the stroller... Further, the seat attachment members of Cheng is not reversibly connected to the stroller frame.*" The Examiner maintains that as the claims are currently drafted, the cited elements of the Cheng reference meet the attachment frame members and seat connectors of the present invention based on the broadest reasonable interpretation of the claims. Specifically, Applicant is reminded that the fact that the cited elements could be connected to each other

by additional frame members in the cited reference does not prevent the Cheng reference from meeting the claim limitations as the claimed "stroller" uses the open ended claim term "comprises." Furthermore, the Examiner disagrees with Applicant's statement that the connectors of Cheng are permanently connected or that the seat attachment members are not reversibly connected to the stroller frame, as Figure 5 of Cheng clearly demonstrates based on the broadest reasonable interpretation of the claims. Applicant lastly states: "*The stroller of Cheng has two pairs of seat support elements permanently attached to the stroller frame. The stroller of Cheng thus requires a complicated folding mechanism. There is no seat attachment member reversibly connected to an attachment portion of the stroller frame. Even so, the seat support elements are not connected to the frame adjacent to the front wheels. They are connected to a pivoting frame member 41.*" The Examiner maintains that the seat support elements (See, e.g., Fig.4-8, 71 near seat and arrow) of Cheng are reversibly connected to the attachment portions (See, e.g., Fig.4-8, 410) of the stroller frame in Cheng (See, e.g., Fig.4-5). It is also unclear how the folding mechanisms or lack thereof of the Cheng reference have any bearing on the present claim limitations. Lastly, the Examiner disagrees with the Applicant's statement that the seat support elements of Cheng are not connected adjacent to the front wheels, as Figure 5 clearly provides that even though the cited elements are connected to frame member 41, Cheng still provides for the front seat

connecting adjacent to the front wheel based on the broadest reasonable interpretation. Therefore these arguments are not persuasive.

c. **On pages 10-12 of the reply, regarding Claim 16, Applicant states:** "In Claim 16, 'in front' means the second seat is forward of or ahead of the first seat in the typical direction of travel of the stroller." The Examiner maintains that the Rohl reference provides for the teaching based on the broadest reasonable interpretation of "the second seat is attached in front of the first seat" (See, e.g., Rohl: Fig.6). Furthermore, it is noted that the features upon which applicant relies (i.e., "in the typical direction of travel of the stroller") are not recited in the rejected claim. Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See, *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Applicant further states: "*When using the claimed stroller as a single stroller, the seat attachment members will not interfere with the use of the stroller as in Cheng and allows the second seat to be installed in front of the first seat so it does not increase the width of the stroller as attachment described in Rohl.*" It is noted that the features upon which applicant relies (i.e., "will not interfere with the use of the stroller," and "increase the width") are not recited in all of the rejected claims. Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See, *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Applicant further states: "*In both Rohl and Cheng the seat support elements or the connection portions are permanently*

connected together by additional frame members." Applicant is reminded that the fact that the cited elements could be connected to each other by additional frame members in the cited reference does not prevent the Cheng reference from meeting the claim limitations as the claimed "stroller" uses the open ended claim term "comprises." Therefore these arguments are not persuasive.

Drawings

4. The drawing objections with regard to Figure 7 are withdrawn in light of the amendments.

5. The previous drawing objection with regard to a "frontal view" and "how the seat attachment and stroller mate" are withdrawn in light of the amendments, however in light of the replacement figures see below for new objections.

6. The drawing objections with regard to claimed features in Claim 16 are withdrawn in light of the amendments.

7. The new drawings submitted 6/12/2013 labeled Figures 10 and 11 (along with the previously submitted Figures 1-3) are objected to as failing to comply with 37 CFR 1.84(p)(4). Specifically, it is unclear whether the new Figures are the requested "frontal view" showing "how the seat attachment and stroller mate" pertaining to the elected embodiment in Figures 1-3. As best understood, the new figures appear to be directed to a different embodiment and do not contain the same elements as claimed nor do they illustrate "how the seat attachment and stroller mate." Furthermore, they do not contain the seat attachment or its extra wheel as claimed (See, e.g., Claims 2 and 16). Claim 16, as currently claimed, provides for a stroller with at least three wheels in

the front which the drawings do not currently illustrate. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

8. The disclosure is objected to because of the following informalities: The new paragraphs filed 6/12/2013 directed to new Figures 10 and 11 contain multiple errors. First, Applicant specified that the paragraphs should be added after paragraph [0026] however based on the substitute specification filed 1/07/2013, that would place these new paragraphs in the 'Brief Description of the Figures’ section and it would more logically follow that the new paragraphs should appear after paragraph [0051] in the ‘Description’ section. Furthermore, in lines 2-3 of the first paragraph directed to Figure 10, the seat attachment is provided with both element number 20 and element number 84, however only element number 84 appears in new Figure 10. Furthermore, several elements are mentioned in the Specification that do not appear or are not labeled (or provided with element numbers) in Figures 10 or 11, for example: ‘seat attachment member 22,’ ‘a connector portion’ and ‘the attachment portions.’ Lastly, element 17 is

referred to as the “attachment frame member” in the first paragraph and the “attachment portion” in the second paragraph although they both appear to be directed to the same element. Appropriate correction is required.

Claim Objections

9. The previous claim objections are withdrawn in light of the amendments.

Claim Rejections - 35 USC § 112

10. The rejection of Claim 32 under 35 USC 112 is withdrawn in light of the amendments.

11. The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.
>
> The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:
> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

12. Claims 2 and 16 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention. Specifically, based on the new figures added (see above drawing and specification objections) it is not clear whether the "seat attachment" embodiment as elected on 5/07/2012 and currently claimed provides separately for “a wheel.” As best understood, the wheel 15 provided in Figure 10 appears to be an existing part of the stroller and not part of the seat attachment element as currently claimed. Appropriate correction is required.

Claim Rejections - 35 USC § 102

13. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

14. **Claims 28, 32, 33, 35-46, 50, and 51 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Cheng (US 7,475,900)**.

[Claim 28] Regarding Claim 28, Cheng discloses a stroller (See, e.g., Fig.4-8), comprising: a frame (See, e.g., Fig.4-8, 3); two front wheels (See, e.g., Fig.4-8, 33); at least one rear wheel (See, e.g., Fig.4-8, 34); a stroller seat (See, e.g., Fig.4-8, 72); and two attachment portions (See, e.g., Fig.4-8, 410) connected to the frame adjacent to the front wheels (See, e.g., Fig.4-8) wherein each attachment portion is capable of reversibly receiving and supporting a seat attachment member (See, e.g., Fig.5, 71), wherein the seat attachment member comprises a connector portion (See, e.g., Fig.5, 71 near arrow) for removably connecting to the attachment portion and a seat support element (See, e.g., Fig.5, 71 near seat and arrow) for reversibly connecting a stroller seat between the seat attachment members (See, e.g., Fig.4-5).

[Claim 32] Regarding Claim 32, Cheng further discloses wherein the attachment portions comprise a slot (See, e.g., Cheng: Fig.4, near top of 410) for removably receiving the connector portion of the seat attachment member (See, e.g., Cheng: Fig.4-5).

[Claim 33] Regarding Claim 33, Cheng discloses wherein the seat support element is capable of supporting a second seat (See, e.g., Fig.5, 71), and the second seat is selected from a stroller seat, an infant carrier, a bassinet, a pram, or a car seat (See, e.g., Fig.5&7-8).

[Claim 35] Regarding Claim 35, Cheng discloses a stroller (See, e.g., Fig.4-8), comprising:

a first stroller seat (See, e.g., Fig.4-8, 72) reversibly and releasably connected to a stroller frame (See, e.g., Fig.4-8) having a left and right front wheel (See, e.g., Fig.4, 33);

two attachment portions (See, e.g., Fig.4-8, 410) attached to the stroller frame (See, e.g., Fig.4), wherein one attachment portion is connected adjacent to the left front wheel (See, e.g., Fig.4) and the other attachment portion is connected adjacent to the right front wheel (See, e.g., Fig.4), and

a seat attachment (See, e.g., Fig.4-8, 71) for converting the stroller into a double stroller (See, e.g., Fig.4-8), the seat attachment comprising:

a connector portion (See, e.g., Fig.4-8, portion of 71 nearest 410) capable of reversibly connecting to one of the attachment portions above a front wheel of the stroller (See, e.g., Fig.4-8)

a seat attachment element (See, e.g., Fig.4-8, portion of 71 below seat) capable of supporting a second seat (See, e.g., Fig.4-8, 71) in either a forward (See, e.g., Fig.4) or backward position (See, e.g., Fig.8).

[Claim 36] Regarding Claim 36, Cheng discloses wherein the first stroller seat is releasably connected in a backward position (See, e.g., Fig.7-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

[Claim 37] Regarding Claim 37, Cheng discloses wherein the second stroller seat is one of a stroller seat, a car seat, or a bassinet (See, e.g., Fig.5&7-8).

[Claim 38] Regarding Claim 38, Cheng discloses wherein the second seat is a bassinet or a car seat (See, e.g., Fig.7-8).

[Claim 39] Regarding Claim 39, Cheng discloses wherein the frame further comprises two folding mechanisms (See, e.g., Fig.5-8, unlabeled between elements 31 and 32).

[Claim 40] Regarding Claim 40, Cheng discloses wherein the first seat comprises a releasable connection including a button or a locking tab (See, e.g., Fig.5, 410+420).

[Claim 41] Regarding Claim 41, Cheng discloses comprising a pair of back wheels (See, e.g., Fig.4-8, 34).

[Claim 42] Regarding Claim 42, Cheng discloses wherein the front wheels pivot (See, e.g., Fig.4) and the back wheels are fixed (See, e.g., Fig.4).

[Claim 44] Regarding Claim 44, Cheng discloses wherein one of the two attachment flame members is a right side attachment flame member (See, e.g., Fig.4-8)

and the other attachment flame member is a left attachment frame member (See, e.g., Fig.4-8).

[Claim 45] Regarding Claim 45, Cheng discloses wherein the seat attachment comprises two seat support elements (See, e.g., Fig.4-8, 410+420).

[Claim 46] Regarding Claim 46, Cheng discloses wherein the connector portion (See, e.g., Fig.4-8, unlabeled where element 41 connects to element 31: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation "connector portion" Cheng meets the limitation)) is capable of connecting to the stroller frame at the attachment frame members (See, e.g., Fig.4-8).

[Claim 50] Regarding Claim 50, Cheng discloses wherein the connector portion is tubular construction (See, e.g., Fig.4-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitations, as best understood the portion of Cheng which connects together the stroller frame with the seat attachment elements is tubular in construction).

[Claim 51] Regarding Claim 51, Cheng discloses wherein the connector portion has a circular cross-sectional shape (See, e.g., Fig.4-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitations, as best understood the portion of Cheng which connects together the stroller frame with the seat attachment elements is tubular in construction and therefore has a circular cross-section).

Claim Rejections - 35 USC § 103

15. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

16. **Claims 1-6, and 8-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rohl (US 7,677,585 B2) in view of Cheng (US 7,475,900)**.

[Claim 1] Regarding Claim 1, Rohl discloses a seat attachment (See, e.g., Fig.6-7, 1) for a stroller (See, e.g., Fig.6, 2), comprising: two separate attachment frame members (See, e.g., Fig.6-7, 1+7+18+19), wherein each attachment frame member comprises: a connector portion (See, e.g., Fig.6, 4+5+6+18+19) capable of reversibly connecting to a stroller frame (See, e.g., Fig.5-6) adjacent a front wheel of the stroller (See, e.g., Fig.6-7); and a seat support element (See, e.g., Fig.5-6, 16+17+18+19:

Applicant should take note that the elements of Rohl as best understood meet the claim limitations of “seat support element” based on the broadest reasonable interpretation) capable of supporting a seat (See, e.g., Fig.6, 20).

Rohl fails to teach wherein the seat support element is capable of supporting a seat in either a forward or backward position.

However Cheng teaches a similar stroller attachment device (See, e.g., Cheng: Fig.5-8) comprising a stroller seat (See, e.g., Cheng: Fig.5-8, 71+72+8+9), wherein the seat support element (See, e.g., Cheng: Fig.5-8, 410+420) is capable of supporting the stroller seat in either a forward or backward position (See, e.g., Cheng: Fig.5-8:

Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the seat support element of Rohl to feature the ability to support a seat that faces backwards or forwards as taught by Cheng as an obvious matter of design choice. Moreover it would have been desirable to make this modification because doing so would allow the user of the seat attachment to sit facing forward or reverse thereby allowing the passenger/parent choose which view to provide while in use. Furthermore, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398,416 (2007)).

[Claim 2] Regarding Claim 2, the combination of Rohl in view of Cheng further teaches comprising: a wheel (See, e.g., Rohl: Fig.6, 30).

[Claim 3] Regarding Claim 3, the combination of Rohl in view of Cheng further teaches further comprising a wheel support frame (See, e.g., Rohl: Fig.6, 10+12+12a) connecting the wheel to the attachment frame member (See, e.g., Rohl: Fig.1).

[Claim 4] Regarding Claim 4, the combination of Rohl in view of Cheng further teaches wherein the wheel support frame is pivotally connected to the attachment frame member (See, e.g., Rohl: Fig.6-7: Applicant should take note that as best understood the wheel frame/chassis elements of Rohl provide a pivoting action which allow for

pivoting between the stroller and connection elements; See, e.g., Claim 12: “pivotable wheel mechanism”).

[Claim 5] Regarding Claim 5, the combination of Rohl in view of Cheng further teaches wherein the wheel support frame is pivotally connected near the middle of the attachment frame member (See, e.g., Rohl: Fig.6-7: Applicant should take note that as best understood the wheel frame/chassis elements of Rohl provide a pivoting action which allow for pivoting between the stroller and connection elements; See, e.g., Claim 12: “pivotable wheel mechanism”).

[Claim 6] Regarding Claim 6, the combination of Rohl in view of Cheng further teaches further comprising a folding mechanism (See, e.g., Rohl: Fig.6-7).

[Claim 8] Regarding Claim 8, the combination of Rohl in view of Cheng further teaches wherein the wheel support frame is capable of pivoting from a first position to a second position (See, e.g., Rohl: Fig.6-7).

[Claim 9] Regarding Claim 9, the combination of Rohl in view of Cheng further teaches wherein the first position is a locked and in-use position (See, e.g., Rohl: Fig.6) and the second position is an unlocked and folded position (See, e.g., Rohl: Fig.7).

[Claim 10] Regarding Claim 10, the combination of Rohl in view of Cheng further teaches wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram (See, e.g., Rohl: Fig.6: Applicant should take note that under the broadest reasonable interpretation Rohl discloses a “stroller seat" for children).

[Claim 11] Regarding Claim 11, the combination of Rohl in view of Cheng further teaches wherein the attachment frame member has a first end (See, e.g., Rohl: Fig.2, near 6) and a second end (See, e.g., Rohl: Fig.6, near 5+19).

[Claim 12] Regarding Claim 12, the combination of Rohl in view of Cheng further teaches wherein the first end is capable of connecting to a stroller frame (See, e.g., Rohl: Fig.6).

[Claim 13] Regarding Claim 13, the combination of Rohl in view of Cheng further teaches wherein the second end is connected to the seat attachment member (See, e.g., Rohl: Fig.5).

[Claims 14/15] Regarding Claims 14 and 15 the combination of Rohl in view of Cheng further teaches wherein the seat support element is capable of supporting a seat in either a forward or backward position (See, e.g., Cheng: Fig.5-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

17. **Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Rohl in view of Cheng as applied to claim 6 above**.

[Claim 7] Regarding Claim 7, Rohl teaches in a second embodiment (See, e.g., Fig.8-31, wherein the folding mechanism comprises a sliding connector (See, e.g., Fig.8-11, sliding strut 144+143) slidingly connected to the attachment frame member and a strut (See, e.g., Fig.8-11, via bracing strut 142) having a first end connected to

the sliding member and a second end connected to the wheel support frame (See, e.g., Fig.8-11).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the combination of Rohl in view of Cheng to include different embodiments as explained above and as taught by Rohl in order to increase collapsibility of the seat attachment device and in order to allow for added flexibility in the support members. Additionally, Applicant may wish to note that the Federal Circuit has held that it is permissible to combine two different embodiments disclosed in the same piece of prior art and noted that such a combination does not require "a leap of inventiveness." See, e.g., *Boston Scientific Scimed, Inc. v. Cordis Corp.*, 554 F.3d 982, 991 (Fed. Cir. 2009).

18. **Claims 16, 18, and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rohl (US 7,677,585 B2) in view of Thompson (US 7,481,439 B2)**.

[Claim 16] Regarding Claim 16, Rohl discloses a double stroller (See, e.g., Fig. 6), comprising: a stroller frame (See, e.g., Fig.6, 2) comprising two front wheels (See, e.g., Fig.7, 3), a frame (See, e.g., Fig.4-8, 4), a first seat (See, e.g., Fig.4-8, 2) and two attachment portions (See, e.g., Fig.6-7, 4) connected to the frame (See, e.g., Fig.5-7), wherein one attachment portion is connected to the frame adjacent to one front wheel (See, e.g., Fig.6-7); a seat attachment (See, e.g., Fig. 5-6, 1) comprising a wheel (See, e.g., Fig. 5-6, 30), two seat support elements (See, e.g., Fig. 5-6, 23+16+17+18+19, etc.: Applicant should take note that the elements of Rohl as best understood meet the claim limitations of "seat support elements" based on the broadest reasonable

interpretation), a second seat (See, e.g., Fig. 5-6, 20+21+22), and two connector portions (See, e.g., Fig. 5-6, 4+5+6+7+18+19) each connector portion capable of releasably connecting to a corresponding attachment portion (See, e.g., Fig. 5-6; Abstract), and wherein the second seat is attached in front of the first seat (See, e.g., Fig.5-6: Applicant should take note that as best understood the second seat attaches to the frame at a position in front of where the first seat is located and thus meets the claimed limitation based on the broadest reasonable interpretation).

Rohl fails to explicitly teach wherein the other attachment portion is connected to the frame adjacent to the other front wheel.

However Thompson teaches a stroller attachment device (See, e.g., Thompson: Fig.1-2) comprising a second stroller seat attached in front of the first stroller seat (See, e.g., Thompson: Fig.1-2, 12a), wherein the attachment portions (See, e.g., Thompson: Fig.1-2, 100+36A+34B, etc.) are both connected to the frame adjacent to the two front wheels (See, e.g., Thompson: Fig.1-2, 38B).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the attachment portions of Rohl to both be connected to the stroller frame adjacent to both front wheels as taught by Thompson as an obvious matter of design choice. Moreover it would have been desirable to make this modification because doing so would allow the user of the seat attachment to place the seats in tandem or one beside the other allowing the passenger/parent to choose which configuration to provide while in use. Furthermore, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that

achieves predictable results. (See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398,416 (2007)).

[Claim 18] Regarding Claim 18, the combination of Rohl in view of Thompson further teaches wherein the second seat is releasably connected to the seat support element. (See, e.g., Rohl: Fig.1-5: Applicant should take note that the seat element is releasable in Rohl from at least a portion of the seat support elements based on the broadest reasonable interpretation of the claim limitations).

19. **Claims 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Rohl in view of Thompson and further in view of Cheng (US 7,677,585).**

[Claim 19] Regarding Claim 19, the combination of Rohl in view of Thompson fails to explicitly teach wherein the seat support element is capable of supporting a seat in either a forward or backward position (See, e.g., Cheng: Fig.5-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

However Cheng teaches a similar stroller attachment device (See, e.g., Cheng: Fig.5-8) comprising a stroller seat (See, e.g., Cheng: Fig.5-8, 71+72+8+9), wherein the seat support element (See, e.g., Cheng: Fig.5-8, 410+420) is capable of supporting the stroller seat in either a forward or backward position (See, e.g., Cheng: Fig.5-8: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the seats of Cheng appear from the figures to be able to face both forward and backward).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the seat support element of Rohl in view of Thompson in order to feature the ability to support a seat that faces backwards or forwards as taught by Cheng as an obvious matter of design choice. Moreover it would have been desirable to make this modification because doing so would allow the user of the seat attachment to sit facing forward or reverse thereby allowing the passenger/parent choose which view to provide while in use. Furthermore, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398,416 (2007)).

20. **Claims 47-49 and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cheng as applied to claim 35 above, and further in view of Rohl (US 7,677,585)**.

[Claim 47] Regarding Claim 47, Cheng fails to explicitly teach wherein the connector portion of the seat attachment has a cylindrical shape.

However Rohl teaches a similar stroller seat attachment (See, e.g., Rohl: Fig.5-8) wherein the connector portion (See, e.g., Rohl: Fig.5-8, 5) of the seat attachment (See, e.g., Rohl: Fig.5-8, 1) has a cylindrical shape (See, e.g., Rohl: Fig.5-8, 5: Applicant should take note that based on the broadest reasonable interpretation of the claim limitation, as best understood the connector portion of Rohl appears to have a "cylindrical" (i.e., female) connection member as best shown in figure 5).

It would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the connector portion of Cheng to feature a cylindrical shape as

taught by Rolf as an obvious matter of design choice. Moreover it would have been desirable to make this modification because such a connector would encourage a an removable mating connection allowing the user to have greater interchangeability with seat attachments as well as provided ease of storage for travel when the attachment is disconnected from the stroller frame. Furthermore, substitution of one well known element for another known in the field, the combination must do more than yield a predictable result. See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 416 (2007) (citing *U.S. v. Adams*, 383 U.S. 39, 50-51 (1966)).

[Claim 48] Regarding Claim 48, the combination of Cheng in view of Rohl further teaches wherein the attachment frame member has a cylindrical slot (See, e.g., Cheng: Fig.5-8, 410+420).

[Claim 49] Regarding Claim 49, the combination of Cheng in view of Rohl fails to explicitly teach wherein the connector portion of the seat attachment is inserted in the cylindrical recess.

However, it would have been obvious to one with ordinary skill, in the art at the time of the invention, to modify the connector portion of the combination of Cheng in view of Rohl to feature wherein the connector portion of the seat attachment is inserted into a mating cylindrical recess of the attachment frame member as an obvious matter of design choice. Furthermore, substitution of one well known element (i.e., one connection type) for another commonly known in the field (i.e., a male/female cylindrical recess and connection portion), the combination must do more than yield a predictable

result. See, e.g., *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 416 (2007) (citing *U.S. v. Adams*, 383 U.S. 39, 50-51 (1966)).

[Claim 53] Regarding Claim 53, the combination of Cheng in view of Rohl further teaches wherein the connector portion has a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion (See, e.g., Rohl: Fig.5-6, 5: Applicant should take note that based on the broadest reasonable interpretation of the claim limitations, as best understood the attachment frame member of Rohl appear from the figures to have a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion).

Conclusion

21. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure, and can be found on the attached Notice of References Cited.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES M. DOLAK whose telephone number is (571)270-7757. The examiner can normally be reached on M-F 730AM-5PM (first Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J.Allen Shriver can be reached on (571) 272-6698. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. ALLEN SHRIVER II/
Supervisory Patent Examiner, Art Unit 3618

/JAMES M DOLAK/
Examiner, Art Unit 3618.

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EAST Search History

EAST Search History (Prior Art)

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S57	36	("1486118" | "2769482" | "2993702" | "3253860" | "3497234" | "3612603" | "4155588" | "4181356" | "4288124" | "4381870" | "4596405" | "4632409" | "4711489" | "4813742" | "4946180" | "5161811" | "5201535" | "5213360" | "5374073" | "5401076" | "5547205" | "5848797" | "5988657" | "6135479" | "6276709" | "D340140").PN. OR ("6561526").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/07/01 05:18
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S72	1	("7896384").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:15
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S74	1	("5653460").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:17
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S78	2516	(297/130,232,243,463.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/02/13 17:35
S79	35	S78 and S77	US-PGPUB; USPAT;	OR	ON	2013/02/13 17:36

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S86	34	("20080150247" | "20080179848" | "20080224451" | "20080303232" | "20090102162" | "20090121455" | "20090256323" | "20100001492" | "20100109272" | "20100127480" | "4645371" | "5028061" | "5257799" | "5364137" | "5676386" | "5772279" | "5865447" | "5947555" | "6286844" | "6446990" | "6513827" | "6991248" | "7032922" | "7296820" | "7314247" | "7367581" | "7377537" | "7584985" | "7658399" | "7681894" | "7686323" | "7694996" | "7712765" | "7753398").PN. OR ("8251382").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/02/14 15:19
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S91	1876	S89 and S90	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2013/07/16 15:09
S92	2544	(297/130,232,243,463.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/07/16 15:11
S93	1082	S92 and S90	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2013/07/16 15:11
S94	51	(US-20100052277-$ or US-20070114738-$ or US-20070001429-$ or US-20060290107-$ or US-20030075903-$ or US-20100140902-$ or US-20080303232-$ or US-20070085303-$).did. or (US-5338096-$ or US-6045145-$ or US-3223431-$ or US-6378892-$ or US-5653460-$ or US-6209892-$ or US-5201535-$ or US-4620711-$ or US-6676140-$ or US-6017051-$ or US-1707186-$ or US-7475900-$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2013/07/23 15:10

		7938435-$ or US-D508443-$ or US-7497461-$ or US-4570956-$ or US-6923467-$ or US-6752405-$ or US-8157273-$ or US-7896384-$ or US-7677585-$ or US-8128103-$ or US-7597332-$ or US-7481439-$ or US-6851693-$ or US-5848797-$).did. or (US-3000645-$ or US-8070180-$ or US-7832755-$ or US-7261308-$ or US-5704627-$ or US-5794951-$ or US-5647601-$ or US-2453631-$ or US-6443467-$ or US-8205906-$ or US-8262103-$ or US-8336904-$ or US-8371606-$ or US-8251382-$ or US-7377537-$).did. or (US-3000645-$ or US-2453631-$).did.				
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S109	1	("6168174").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/07/24 13:22
S110	1	("6209892").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/07/24 13:22
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S113	53	("20030192925" | "20050072821" | "2907372" | "3079162" | "3248125" | "3627342" | "3961803" | "3967833" | "4032173" | "4113306" | "4181356" | "4220351" | "4231587" | "4239259" | "4256325" | "4412688" | "4620711" | "4681340" | "4762256" | "4844504" | "4892327" | "5230523" | "5333769" | "5398951" | "5411729" | "5431478" | "5468009" | "5478096" | "5662339" | "5806924" | "5829826" | "5964470" | "5987665" | "6045145" | "6231056" | "6250654" | "6375213" | "6811178" | "6910696" | "D254610" | "D345720" | "D358058" |	US-PGPUB; USPAT; USOCR	OR	ON	2013/07/24 16:08

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S114	22	("3738600" | "3876046" | "4570956" | "4750783" | "5188389" | "5234224" | "5499831" | "5536027" | "5562300" | "5876046" | "6189914" | "6193263" | "6209892" | "6290290" | "6302412" | "6398233" | "6550802" | "D397316" | "D481975" | "D486427" | "D497844").PN. OR ("D508443").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/07/24 16:13
S115	26	("4790548" | "5060967" | "5366274" | "5727848" | "5975225" | "6203054" | "6513827" | "7234722").PN. OR ("7367581").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/07/24 18:30
S116	23	("4657269" | "4836573" | "5184835" | "5338096" | "5664795" | "5911432").PN. OR ("6045145").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/07/24 18:39
S117	55	("4736959" | "4743063" | "4872692" | "4878680" | "5201535" | "5676386").PN. OR ("5947555").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/07/25 10:09
S118	25	("20010040357" | "20020093177" | "20030075903" | "4921261" | "4989888" | "5676386" | "5794951" | "5947555" | "6189914" | "6209892" | "6241274" | "6286844" | "6302412" | "6331032" | "6398233" | "6409205" | "6641164" | "6702316").PN. OR ("6923467").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/07/25 11:03
S119	25	("4570956" | "4836573" | "4921261" | "4946180" | "5121940" | "5188380" | "5676386" | "5772279" | "5947555" | "6070890" | "6155592" | "6286844" | "6398233" | "6409205" | "6478327" | "D345720").PN. OR ("6641164").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/07/25 11:28

EAST Search History (Interference)

<This search history is empty>

7/25/2013 5:19:36 PM
C:\Users\jdolak\Documents\EAST\Workspaces\12631375.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	Art Unit
	JAMES M DOLAK	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	07/01/2012	03/19/2013	07/24/2013						
	1	✓	✓	✓						
	2	✓	✓	✓						
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	31	✓	-	✓						
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	33	✓	✓	✓						
	34	✓	-	✓						
	35	✓	✓	✓						
	36	✓	✓	✓						

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	Art Unit
	JAMES M DOLAK	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	07/01/2012	03/19/2013	07/24/2013						
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	Art Unit
	JAMES M DOLAK	3618

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
280	650,657,647,648,658,639,642,643	6/27/2012	JMD
297	130,232,243,463.1	6/28/2012	JMD

SEARCH NOTES		
Search Notes	Date	Examiner
Class280 Search Assist: SPE J.Allen Shriver	5/10/2012	JMD
Inventor Search	6/21/2012	JMD
Class 297 Search Assist: L.Cranmer	6/27/2012	JMD
Updated Search	2/13/2013	JMD
Updated Search	7/16/2013	JMD

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/JAMES M DOLAK/ Examiner.Art Unit 3618	

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	12/04/2009	Mark Zehfuss	DYN005	1624

6980 7590 11/01/2013

TROUTMAN SANDERS LLP
600 Peachtree Street
Suite 5200
Atlanta, GA 30308

EXAMINER	
DOLAK, JAMES M	
ART UNIT	PAPER NUMBER
3618	

NOTIFICATION DATE	DELIVERY MODE
11/01/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jim.schutz@troutmansanders.com
ryan.schneider@troutmansanders.com
patents@troutmansanders.com

Applicant-Initiated Interview Summary	Application No.	Applicant(s)	
	12/631,375	ZEHFUSS, MARK	
	Examiner	Art Unit	
	JAMES M. DOLAK	3618	

All participants (applicant, applicant's representative, PTO personnel):

(1) *JAMES M. DOLAK(Examiner)*.

(2) *Barney Pike (Applicants' representative)*.

(3)*J.Allen Shriver II (Supervisory Examiner)*.

(4)_____.

Date of Interview: *28 October 2013*.

Type: ☐ Telephonic ☐ Video Conference
☒ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☒ Yes ☐ No.
If Yes, brief description: *Stroller working model*.

Issues Discussed ☐101 ☐112 ☒102 ☒103 ☐Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *1, 16, 28, 35*.

Identification of prior art discussed: *CHENG (US 7,475,900 B2) and ROHL (US 7,677,585 B2)*.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Discussed proposed amendments and previously cited art. It was agreed that the proposed amendments would overome the art of record, however further search and consideration would be required.

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/JAMES M DOLAK/ Examiner, Art Unit 3618	/J. ALLEN SHRIVER II/ Supervisory Patent Examiner, Art Unit 3618

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.	:	12/631,375
	:	
First Named Inventor	:	Mark Zehfuss
Filing Date	:	December 4, 2009
Art Unit	:	3618
Examiner	:	James M. Dolak
	:	
Docket No.	:	DYN005

November 4, 2013

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Response to Office Action

Dear Madam:

An Office Action dated August 2, 2013 ("Office Action") has been issued from the United States Patent and Trademark Office in the above-referenced patent application ("Subject Application"). Applicant respectfully submits and respectfully requests consideration of this Response to Office Action including claim amendments and arguments for patentability.

Claim Listing begins on page 2; and

Remarks begin on page 7.

CLAIM LISTING

1. (Currently Amended) A seat attachment for a stroller, comprising:

~~two~~ a separate left attachment frame member~~s~~, wherein ~~each~~ the left attachment frame member comprises:

a connector portion capable of ~~reversibly~~ removably connecting to a stroller frame adjacent a left front wheel of the stroller and a left seat support element ~~capable of supporting~~removably connecting a seat in either a forward or backward position; and

a separate right attachment frame member, wherein the right attachment frame member comprises:

a connector portion capable of removably connecting to a stroller frame adjacent a right front wheel of the stroller and a right seat support element removably connecting the seat in either a forward or backward position between the left and right support elements.

2. (Original) The seat attachment of claim 1, comprising:

a wheel.

3. (Currently Amended) The seat attachment for a stroller of claim 2, further comprising a wheel support frame connecting the wheel to one of the attachment frame member~~s~~.

4. (Original) The seat attachment for a stroller of claim 3, wherein the wheel support frame is pivotally connected to the attachment frame member.

5. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is pivotally connected near the middle of the attachment frame member.

6. (Original) The seat attachment for a stroller of claim 5, further comprising a folding mechanism.

7. (Original) The seat attachment for a stroller of claim 6, wherein the folding mechanism comprises a sliding connector slidingly connected to the attachment frame member and a strut having a first end connected to the sliding member and a second end connected to the wheel support frame.

8. (Original) The seat attachment for a stroller of claim 4, wherein the wheel support frame is capable of pivoting from a first position to a second position.

9. (Original) The seat attachment for a stroller of claim 8, wherein the first position is a locked and in-use position and the second position is an unlocked and folded position.

10. (Original) The seat attachment for a stroller of claim 1, wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram.

11. (Original) The seat attachment for a stroller of claim 1, wherein the attachment frame member has a first end and a second end.

12. (Original) The seat attachment for a stroller of claim 11, wherein the first end is capable of connecting to a stroller frame.

13. (Original) The seat attachment for a stroller of claim 12, wherein the second end is connected to the seat attachment member.

14. (Original) The seat attachment for a stroller of claim 1, wherein the seat support element is capable of supporting a seat in either a forward or backward position.

15. (Original) The seat attachment for a stroller of claim 1, further comprising a stroller seat, wherein the seat support element is capable of supporting the stroller seat in either a forward or backward position.

16. to 27. (Cancelled)

28. (Currently Amended) A stroller, comprising:

a frame;

two front wheels;

at least one rear wheel;

a stroller seat; and

two attachment portions connected to the frame adjacent to the front wheels, wherein each attachment portion is capable of ~~reversibly~~ removably receiving and supporting a seat attachment member, wherein each of the seat attachment members comprises a connector portion for removably connecting to the attachment portion and a seat support element for ~~reversibly~~ removably connecting a stroller seat between the seat attachment members.

29. to 31. (Cancelled)

32. (Previously Presented) The stroller of claim 28, wherein the attachment portions comprise a slot for removably receiving the connector portion of the seat attachment member.

33. (Previously Presented) The stroller of claim 28, wherein the seat support element is capable of supporting a second seat and the second seat is selected from a stroller seat, an infant carrier, a bassinet, a pram, or a car seat.

34. (Cancelled)

35. (Previously Presented) A stroller, comprising:

a first stroller seat reversibly and ~~releasably~~ removably connected to a stroller frame having a left front wheel and a right front wheel;

two attachment portions attached to the stroller frame, wherein one attachment portion is connected adjacent to the left front wheel and the other attachment portion is connected adjacent to the right front wheel, and

a seat attachment for converting the stroller into a double stroller, the seat attachment comprising:

a connector portion capable of ~~reversibly~~ removably connecting to one of the attachment portions above a front wheel of the stroller, and

a seat attachment element ~~capable of supporting~~removably connecting a second seat in either a forward or backward position.

36. (Previously Presented) The stroller of claim 35, wherein the first stroller seat is releasably connected in a backward position.

37. (Previously Presented) The stroller of claim 36, wherein the second stroller seat is one of a stroller seat, a car seat, or a bassinet.

38. (Previously Presented) The stroller of claim 35, wherein the second seat is a bassinet or a car seat.

39. (Previously Presented) The stroller of claim 36, wherein the frame further comprises two folding mechanisms.

40. (Previously Presented) The stroller of claim 36, wherein the first seat comprises a releasable connection including a button or a locking tab.

41. (Previously Presented) The stroller of claim 36, comprising a pair of back wheels.

42. (Previously Presented) The stroller of claim 41, wherein the front wheels pivot and the back wheels are fixed.

43. (Cancelled)

44. (Previously Presented) The stroller of claim 35, wherein one of the two attachment frame members is a right side attachment frame member and the other attachment frame member is a left attachment frame member.

45. (Previously Presented) The stroller of claim 35, wherein the seat attachment comprises a two seat support elements.

46. (Previously Presented) The stroller of claim 45, wherein the connector portion is capable of connecting to the stroller frame at the attachment frame members.

47. (Previously Presented) The stroller of claim 46, wherein the connector portion of the seat attachment has a cylindrical shape.

48. (Previously Presented) The stroller of claim 47, wherein the attachment frame member has a cylindrical slot.

49. (Previously Presented) The stroller of claim 48, wherein the connector portion of the seat attachment is inserted in the cylindrical recess.

50. (Previously Presented) The stroller of claim 46, wherein the connector portion is tubular construction.

51. (Previously Presented) The stroller of claim 46, wherein the connector portion has a circular cross-sectional shape.

52. (Cancelled)

53. (Previously Presented) The stroller of claim 46, wherein the connector portion has a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion.

54. to 62. (Cancelled)

REMARKS

Claims 1 to 16, 18 to 28, 32, 33, 35 to 42, 44 to 51, and 53 to 62 were pending in the Subject Application. Of the pending claims, Claims 20 to 27 and 54 to 62 were withdrawn in a previous restriction requirement and Claims 1 to 16, 18, 19, 28, 32, 33, 35 to 42, 44 to 51, and 53 to 62 were rejected in the Office Action.

In this response, Applicants have amended the claims such that Claims 1 to 15, 28, 32, 33, 35 to 42, and 44 to 53.

Initially, Applicants wish to thank Examiner James Dolak and Examiner Dolak's supervisor, J. Allen Shiver for participating in a personal interview with Applicant's representative, Bernard Pike. The interview was conducted in the USPTO offices on Monday, October 28, 2013 at 1:30 PM. In the interview, the participants review a commercial embodiment of the invention, reviewed and discussed the prior art, US Patent No. 7,677,585 (Rohl), US Patent No. 7,475,900 (Cheng) and their combination, differences between the commercial embodiment and the prior art, discussed the differences between claims as submitted in the Supplemental Amendment, and resolved issues of patentability. The examiners requested replacing the term "reversibly" with the term "removably" though each was meant to mean the same concept. The term "removably connected" means that the attachment member may be connected to the stroller frame then subsequently removed and that the seat may be connected to the attachment member then subsequently removed.

The Applicant also discussed secondary considerations including the awards given to Applicant based upon the commercial embodiment of the invention. In the interview, the examiner reconsidered the drawing amendments and removed the objection.

The participants agreed in the interview that adding the limitation that the seat attachment is removably connected to the stroller and removably connected to the stroller seat distinguishes the claimed invention from the prior art of record.

Claim Rejections

The claims of the Subject Application have been rejected under 35 U.S.C. § 102 or 35 U.S.C. §103 based upon a US Patent No. 7,677,585 (Rohl), US Patent No. 7,475,900 (Cheng), or a combinations thereof.

Neither Rohl nor Cheng describe a seat attachment for a stroller comprising two separate attachment frame members that is capable of being removably connected to a stroller and removably connected to a stroller seat. The attachment member simplifies the stroller of Cheng and allows use of the stroller as a single stroller then easily and conveniently converted to a double stroller. Cheng is permanently a double stroller with two seat connectors permanently connected to the stroller frame. The Subject Application comprises three independent claims, Claims 1, 28 and 35.

Claim 1 has been amended to claim a seat attachment comprising, among other things, left and right attachment frame members comprising a connector portion capable of removably connecting to a stroller frame and a seat support element removably connecting a seat in either a forward or backward position.

Claim 28 claims a stroller comprising, among other things, two attachment portions connected to the frame adjacent to the front wheels, wherein two attachment portions are capable of removably receiving and supporting a seat attachment member, wherein each of the seat attachment members comprises a connector portion for removably connecting to the attachment portion and a seat support element for removably connecting a stroller seat between the seat attachment members.

Finally, Claim 35 claims a stroller, comprising, among other things, a first stroller seat reversibly and removably connected to a stroller frame having a left front wheel and a right front wheel and a seat attachment for converting the stroller into a double stroller, the seat attachment comprising a connector portion capable of removably connecting to an attachment portion above a front wheel of the stroller, and a seat attachment element removably connecting a second seat in either a forward or backward position.

Thus all the independent claims have been amended as discussed in the interview.

Secondary Considerations

Objective evidence relevant to the issue of obviousness must be evaluated by Office personnel. *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966). Such evidence, sometimes referred to as "secondary considerations," may include evidence of commercial success, long-felt but unsolved needs, failure of others, and unexpected results. The evidence may be provided in a timely manner at some other point during the prosecution.

The CITY SELECT has had significant commercial success and has won the following awards:

The **National Parenting Publications Award ("NAPPA").**

The **National Parenting Publications Award**s' independent panel of judges has extensive experience working with children and parents. Each year they evaluate hundreds of products so that parents can make the best purchasing choices for their families.

The Juvenile Products Manufacturers Association ("JPMA") Innovation Award.

The JPMA Innovation Award highlights the most exciting new products in the juvenile industry. Each year, more than 100 companies enter their latest designs in hopes of winning their coveted award. Entries are judged on their innovation, marketability, trend-setting potential and usefullness.

Parent Tested and Parent Approved ("PTPA") Media.

PTPA Media's professional panel of judges research new products and evaluate them based on functionality, quality, value and appeal. Receipt of this award is a statement that your product is "Parent Tested and Parent Approved."

Mother & Baby Award

The Mother & Baby Awards offers juvenile product manufacturers the opportunity to gain industry and consumer recognition for their outstanding products. Each product is vigorously tested by numerous parents and rated by respected baby experts.

Top 10 Baby Products of 2010

Pregnancy & Newborn Magazine's December 2010 issue included an article naming the Top 10 Baby Products of 2010. Products included in this article were items that stood out above the rest as the magazine evaluated hundreds of products throughout the year.

CraftyShopper's 10 Best Double Strollers

Enclosed with this Response is examples of awards that were won by the CITY SELECT stroller that comprises the claimed invention. The awards are directly related to the versatility of the CITY SELECT due to the invention as claimed. The claimed invention allows the stroller to be converted from a single stroller to a double stroller easily and allows the seat to be removably connected in both a forward and backward position. There is a direct nexus between the claimed invention and the commercial success of the stroller.

Consideration of the amended claims and the remarks is respectfully requested.

CONCLUSIONS

Applicants respectfully request consideration of the claims pending in the Subject Application and issuance of a Notice of Allowability. Should the Examiner have any remaining concerns, he is requested to contact the undersigned at the telephone number given below so that the concerns may be resolved without issuance of an additional Office Action.

Sincerely,

/Bernard G. Pike/

Bernard G. Pike
Registration No. 46,993

Pike IP Law, PLLC
P.O. Box 8592
Richmond, Virginia 23226
804-615-3939

Electronic Acknowledgement Receipt

EFS ID:	17305121
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	6980
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005
Receipt Date:	04-NOV-2013
Filing Date:	04-DEC-2009
Time Stamp:	14:48:08
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		DYN005ResponseNovember4.pdf	125945 a5515fdb1e806c8195be769849fcff49085e5d2e	yes	10

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Applicant Arguments/Remarks Made in an Amendment	1	1
	Claims	2	6
	Applicant Arguments/Remarks Made in an Amendment	7	10

Warnings:					
Information:					
2	Non Patent Literature	DYN005Award.pdf	1835259 a79c1fc542d33f644b461f6e63a08ea84a5c1cc1	no	4
Warnings:					
Information:					
3	Non Patent Literature	DYN005Award2.pdf	381908 ec85a63cb2bd96c1673eca888db320db341a5116	no	1
Warnings:					
Information:					
4	Non Patent Literature	DYN005Award3.pdf	1382159 d33e89c9e48ed4a6e17886f830b8357a47b09715	no	15
Warnings:					
Information:					
5	Non Patent Literature	DYN005Award4.pdf	297246 78acc0dbf9cb86e6f108d64137f65bc5f4de22ca	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	4022517		

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.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/631,375	Filing Date 12/04/2009	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT

11/04/2013	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 35	Minus	** 62	= 0	X $40 =	0
Independent (37 CFR 1.16(h))	* 3	Minus	***6	= 0	X $210 =	0
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/MYRTLE LEIGH/

This collection of information is required by 37 CFR 1.16. 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 12 minutes 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

6980 7590 02/25/2014

TROUTMAN SANDERS LLP
600 Peachtree Street
Suite 5200
Atlanta, GA 30308

EXAMINER
DOLAK, JAMES M

ART UNIT	PAPER NUMBER
3618	

DATE MAILED: 02/25/2014

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	12/04/2009	Mark Zehfuss	DYN005	1624

TITLE OF INVENTION: SEAT ATTACHMENT FOR A STROLLER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	05/27/2014

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

6980 7590 02/25/2014
TROUTMAN SANDERS LLP
600 Peachtree Street
Suite 5200
Atlanta, GA 30308

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	12/04/2009	Mark Zehfuss	DYN005	1624

TITLE OF INVENTION: SEAT ATTACHMENT FOR A STROLLER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	05/27/2014

EXAMINER	ART UNIT	CLASS-SUBCLASS
DOLAK, JAMES M	3618	280-650000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- ❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. The following fee(s) are submitted:
- ❑ Issue Fee
- ❑ Publication Fee (No small entity discount permitted)
- ❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
- ❑ A check is enclosed.
- ❑ Payment by credit card. Form PTO-2038 is attached.
- ❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
- ❑ Applicant certifying micro entity status. See 37 CFR 1.29 — NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
- ❑ Applicant asserting small entity status. See 37 CFR 1.27 — NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
- ❑ Applicant changing to regular undiscounted fee status. — NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

PTO/SB/31 (Rev 07-06) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
334 of 536 EVENFLO ET AL. EX1014

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	12/04/2009	Mark Zehfuss	DYN005	1624

6980 7590 02/25/2014

TROUTMAN SANDERS LLP
600 Peachtree Street
Suite 5200
Atlanta, GA 30308

EXAMINER	
DOLAK, JAMES M	

ART UNIT	PAPER NUMBER
3618	

DATE MAILED: 02/25/2014

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 210 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 210 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. 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 12 minutes 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, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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 disclosure of these records is required by the Freedom of Information Act.
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 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.

Notice of Allowability	Application No. 12/631,375	Applicant(s) ZEHFUSS, MARK	
	Examiner JAMES M. DOLAK	Art Unit 3618	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *11/04/2013*.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on_____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are *1, 10-13, 28, 32, 33, 35-42, 47-51, and 53*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov .
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:
   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
5. ☒ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/JAMES M DOLAK/ Examiner, Art Unit 3618	/J. ALLEN SHRIVER II/ Supervisory Patent Examiner, Art Unit 3618

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

Information Disclosure Statement

2. The listing of references in the response filed 11/4/2013 is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609.04(a) states, "the list may not be incorporated into the specification but must be submitted in a separate paper." Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bernie Pike (Applicant's representative) on 2/4/2014.

The application has been amended as follows:

In the Claims:

Replace Claim 1 with the following:

A seat attachment for a stroller, comprising:

a separate left attachment portion, wherein the left attachment portion comprises:

a connector portion capable of removably connecting to a stroller frame adjacent a left front wheel of the stroller and a left seat support element removably connecting a seat in either a forward or backward position; and

a separate right attachment portion, wherein the right attachment portion comprises:

a connector portion capable of removably connecting to the stroller frame adjacent a right front wheel of the stroller and a right seat support element removably connecting the seat in either a forward or backward position between the left and right seat support elements.

Cancel Claims 2-9.

Replace Claim 11 with the following:

The seat attachment of Claim 1, wherein each attachment portion has a first end and a second end.

Replace Claim 12, line 2 with the following:

of connecting to the stroller frame.

Replace Claim 13, line 2 with the following:

of connecting to the seat.

Cancel Claims 14 and 15.

Replace Claim 28 with the following:

A stroller, comprising:

a frame;

two front wheels;

at least one rear wheel;

a stroller seat; and

two attachment frame members connected to the frame adjacent to the front wheels, wherein the attachment frame members are capable of removably receiving and supporting a separate left and right seat attachment portion, wherein each of the left and right seat attachment portions comprises a connector portion for removably connecting to the attachment frame members and a seat support element for removably connecting the stroller seat between the left and right seat attachment portions.

Replace Claim 32, line 1 with the following:

The stroller of claim 28, wherein the attachment frame members each

Replace Claim 33, line 1 with the following:

The stroller of claim 28, wherein the frame of the stroller is

Replace Claim 35 with the following:

A stroller, comprising: a first stroller seat reversibly and removably connected to a stroller frame having a left front wheel and a right front wheel;

two attachment frame members attached to the stroller frame, wherein one attachment frame member is connected adjacent to the left front wheel and the other attachment frame member is connected adjacent to the right front wheel, and separate left and right seat attachment portions for converting the stroller into a double stroller, the seat attachment portions comprising:

a connector portion capable of removably connecting to one of the attachment frame members above the respective front wheel of the stroller, and

a seat support element removably connecting a second seat in either a forward or backward position.

Cancel Claims 44-46.

Replace Claim 47 with the following:

The stroller of claim 35, wherein each connector portion of the right and left seat attachment portions has a cylindrical shape.

Replace Claim 48 with the following:

The stroller of claim 47, wherein the attachment frame members each have a cylindrical slot.

Replace Claim 49 with the following:

The stroller of claim 48, wherein each connector portion of the right and left seat attachment portions is inserted in the cylindrical slots.

Replace Claim 50 with the following:

The stroller of claim 35, wherein each connector portion is tubular construction.

Replace Claim 51 with the following:

The stroller of claim 35, wherein each connector portion has a circular cross-sectional shape.

Replace Claim 53 with the following:

The stroller of claim 35, wherein each connector portion has a complementary and cooperating shape that allows each connector portion to be secured to the attachment frame members.

Allowable Subject Matter

4. Claims 1, 10-13, 28, 32, 33, 35-42, 47-51, and 53 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record when taken alone or in combination with another does not teach or fairly suggest at this time at least, among other limitations: A seat attachment for a stroller, comprising: a separate left attachment portion, wherein the left attachment portion comprises: a connector portion capable of removably connecting to a stroller frame adjacent a left front wheel of the stroller and a left seat support element removably connecting a seat in either a forward or backward position; and a separate right attachment portion, wherein the right attachment portion comprises: a connector portion capable of removably connecting to the stroller frame adjacent a right front wheel of the stroller and a right seat support element removably connecting the seat in either a forward or backward position between the left and right seat support elements, as claimed in Claim 1 and similarly claimed in Claims 28 and 35.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure and can be found on the attached Notice of References Cited.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES M. DOLAK whose telephone number is (571)270-7757. The examiner can normally be reached on M-F 830AM-530PM (first Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J.Allen Shriver can be reached on (571) 272-6698. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. ALLEN SHRIVER II/
Supervisory Patent Examiner, Art Unit 3618

/JAMES M DOLAK/
Examiner, Art Unit 3618

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	("20100140902").PN.	USPAT; USOCR	OR	OFF	2011/11/10 17:53
S2	1	("20100140902").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/11/10 17:55
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S92	2544	(297/130,232,243,463.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/07/16 15:11
S93	1082	S92 and S90	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2013/07/16 15:11
S94	51	(US-20100052277-$ or US-20070114738-$ or US-20070001429-$ or US-20060290107-$ or US-20030075903-$ or US-20100140902-$ or US-20080303232-$ or US-20070085303-$).did. or (US-5338096-$ or US-6045145-$ or US-3223431-$ or US-6378892-$ or US-5653460-$ or US-6209892-$ or US-5201535-$ or US-4620711-$ or US-6676140-$ or US-6017051-$ or US-1707186-$ or US-7475900-$ or US-7938435-$ or US-D508443-$ or US-7497461-$ or US-4570956-$ or US-6923467-$ or US-6752405-$ or US-8157273-$ or US-7896384-$ or US-7677585-$ or US-8128103-$ or US-7597332-$ or US-7481439-$ or US-6851693-$ or US-5848797-$).did. or (US-3000645-$ or US-8070180-$ or US-7832755-$ or US-7261308-$ or US-5704627-$ or US-5794951-$ or US-5647601-$ or US-2453631-$ or US-6443467-$ or US-8205906-$ or US-8262103-$ or US-8336904-$ or US-8371606-$ or US-8251382-$ or US-7377537-$).did. or (US-3000645-$ or US-2453631-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2013/07/23 15:10
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S132	7295614	@ad<="20081204"	US-PGPUB; USPAT; USOCR	OR	ON	2014/01/29 18:38
S133	2588	(297/130,232,243,463.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/01/29 18:38
S134	3082	(280/650,657,647,648,658,639,642,643).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/01/29 18:38
S135	1082	S132 and S133	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/01/29 18:39
S136	1877	S132 and S134	US-PGPUB; USPAT; USOCR;	OR	ON	2014/01/29 18:39

			FPRS; EPO; JPO; DERWENT			
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S138	2924	S132 and S137	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/01/29 18:41
S139	1012	S138 and stroller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/01/29 18:41
S140	901	S139 and seat$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/01/29 18:41
S141	757	S140 and (insert$4 or attach$4 or detach$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/01/29 18:42
S142	107	S141 and ((double or tandem) same stroller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/01/29 18:42
S143	1	("5816367").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/01/30 09:23
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S154	6	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2014/01/30 18:00
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S156	2	("2008/0231022").URPN.	USPAT	OR	ON	2014/01/31 12:58
S157	14	("20040094923" | "20070057486" | "20080012268" | "20080231022" | "20090127827" | "20090243261" | "20120098219" | "4398748" | "4836573" | "6446990" | "6478321" | "6478327" | "6572134" | "7712765").PN. OR ("8458880").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2014/01/31 12:59
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(seat attachment stroller separate left right attachment portion connector portion removably connecting frame adjacent front wheel seat support element removably connecting seat forward backward position).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2014/02/04 09:35
L2	0	(seat attach$4 stroller separate left right portion connect$4 remov$4 frame adjacent front wheel support$4 element forward backward position).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2014/02/04 09:46
L3	1	(seat attach$4 stroller separate left right connect$4 remov$4 frame wheel support$4).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2014/02/04 09:46
L4	19	(seat attach$4 stroller left right connect$4 remov$4 frame wheel).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2014/02/04 09:47
S163	0	(A seat attachment for a stroller, comprising a separate left attachment portion, wherein the left attachment portion comprises a connector portion capable of removably connecting to a stroller frame adjacent a left front wheel of the stroller and a left seat support element removably connecting a seat in either a forward or backward position and a separate right attachment portion, wherein the right attachment portion comprises a connector portion capable of removably connecting to the stroller frame adjacent a right front wheel of the stroller and a right seat support element removably connecting the seat in either a forward or backward position between the left and right seat support elements).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2014/02/03 17:17

2/4/2014 9:52:32 AM
C:\Users\jdolak\Documents\EAST\Workspaces\12631375.wsp

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	**Art Unit**
	JAMES M DOLAK	3618

CPC						
Symbol					**Type**	**Version**
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CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
			/					
			/					

/JAMES M DOLAK/ Examiner.Art Unit 3618	02/04/2014	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	22	
/J. ALLEN SHRIVER II/ Supervisory Patent Examiner.Art Unit 3618	02/05/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	8 & 10

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	**Art Unit**
	JAMES M DOLAK	3618

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
280	648

CROSS REFERENCE(S)

CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
280	650	647	642	643	
297	130	243			

INTERNATIONAL CLASSIFICATION					
CLAIMED					**NON-CLAIMED**
B	6	2	B	1 / 00 (2006.01.01)	
A	4	7	C	13 / 00 (2006.01.01)	
A	4	7	C	15 / 00 (2006.01.01)	

/JAMES M DOLAK/ Examiner.Art Unit 3618	02/04/2014	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	22	
/J. ALLEN SHRIVER II/ Supervisory Patent Examiner.Art Unit 3618	02/05/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	8 & 10

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	**Art Unit**
	JAMES M DOLAK	3618

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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-	4	-	20	10	36	-	52								
-	5	-	21	11	37	22	53								
-	6	-	22	12	38	-	54								
-	7	-	23	13	39	-	55								
-	8	-	24	14	40	-	56								
-	9	-	25	15	41	-	57								
2	10	-	26	16	42	-	58								
3	11	-	27	-	43	-	59								
4	12	6	28	-	44	-	60								
5	13	-	29	-	45	-	61								
-	14	-	30	-	46	-	62								
-	15	-	31	17	47										
-	16	7	32	18	48										

/JAMES M DOLAK/ Examiner.Art Unit 3618 (Assistant Examiner)	02/04/2014 (Date)	**Total Claims Allowed:** 22	
/J. ALLEN SHRIVER II/ Supervisory Patent Examiner.Art Unit 3618 (Primary Examiner)	02/05/2014 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 8 & 10

U.S. Patent and Trademark Office

Part of Paper No. 20140203

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	Art Unit
	JAMES M DOLAK	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	**Art Unit**
	JAMES M DOLAK	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12631375	ZEHFUSS, MARK
	Examiner	Art Unit
	JAMES M DOLAK	3618

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
280	650,657,647,648,658,639,642,643	6/27/2012	JMD
297	130,232,243,463.1	6/28/2012	JMD

SEARCH NOTES		
Search Notes	Date	Examiner
Class280 Search Assist: SPE J.Allen Shriver	5/10/2012	JMD
Inventor Search	6/21/2012	JMD
Class 297 Search Assist: L.Cranmer	6/27/2012	JMD
Updated Search	2/13/2013	JMD
Updated Search	7/16/2013	JMD
Updated Search	1/29/2014	JMD

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
ALL	See Attached Search History	2/3/2014	JMD

/JAMES M DOLAK/ Examiner.Art Unit 3618	

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

6980 7590 02/25/2014
TROUTMAN SANDERS LLP
600 Peachtree Street
Suite 5200
Atlanta, GA 30308

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	12/04/2009	Mark Zehfuss	DYN005	1624

TITLE OF INVENTION: SEAT ATTACHMENT FOR A STROLLER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	05/27/2014

EXAMINER	ART UNIT	CLASS-SUBCLASS
DOLAK, JAMES M	3618	280-650000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
✔ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1 Bernard G. Pike
2 Pike IP Law, PLLC
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: Baby Jogger, LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Richmond, Virginia US

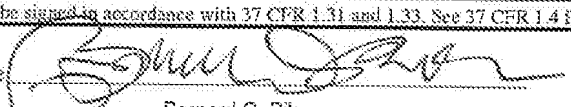
Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:
✓ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies .....

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
☐ A check is enclosed.
✓ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number ..... (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
☐ Applicant certifying micro entity status. See 37 CFR 1.29
NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
✓ Applicant asserting small entity status. See 37 CFR 1.27
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
☐ Applicant changing to regular undiscounted fee status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature: 
Typed or printed name: Bernard G. Pike
Date: April 25, 2014
Registration No.: 46,993

PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PTO/SB/122 (11-08)
Approved for use through 11/30/2011. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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CHANGE OF CORRESPONDENCE ADDRESS
Application

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	12631375
Filing Date	Dec. 4, 2009
First Named Inventor	Mark Zehfuss
Art Unit	3618
Examiner Name	James Dolak
Attorney Docket Number	DYN005

Please change the Correspondence Address for the above-identified patent application to:

☐ The address associated with Customer Number: ____

OR

☑ Firm or Individual Name Pike IP Law, PLLC

Address P.O. Box 8592

City	State	Zip
Richmond	VA	23226

Country US

Telephone	Email
804-615-3939	mail@pikeiplaw.com

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

☐ Applicant/Inventor

☐ Assignee of record of the entire interest.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☑ Attorney or agent of record. Registration Number 46993.

☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number____.

Signature /Bernard G. Pike/

Typed or Printed Name Bernard G. Pike

Date	Telephone
April 25, 2014	804-615-3939

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☑ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.33. 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 3 minutes 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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 disclosure of these records is required by the Freedom of Information Act.
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 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.

Electronic Patent Application Fee Transmittal

Application Number:	12631375
Filing Date:	04-Dec-2009
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Filer:	Bernard Pike
Attorney Docket Number:	DYN005

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl Issue Fee	2501	1	480	480
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
			Total in USD ($)	**480**

Electronic Acknowledgement Receipt

EFS ID:	18863411
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Customer Number:	6980
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005
Receipt Date:	25-APR-2014
Filing Date:	04-DEC-2009
Time Stamp:	15:17:26
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$480
RAM confirmation Number	1320
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Issue Fee Payment (PTO-85B)	DYN005IssueFee.pdf	151497 a6591c93b79aff7d85f6b3a6532a3fe6fbfe0c9c	no	1
Warnings:					
Information:					
2	Change of Address	ChangeofCorrespondenceAddress.pdf	271828 ec81a8ef67c4de66b496cce6e216629dc14d23a4	no	2
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30216 563bbf3013a8b5d842db468aef5d1fc406784feb	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	453541	

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/631,375	06/10/2014	8746731	DYN005	1624

7590 05/21/2014

PIKE IP LAW, PLLC
P.O. BOX 8592
RICHMOND, VA 23226

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 420 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Mark Zehfuss, Glen Allen, VA;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	12631375	Filing Date	2010-12-04	Docket Number (if applicable)	DYN005	Art Unit	3618
First Named Inventor	Mark Zehfuss			Examiner Name	James M. Dolak		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☐ Amendment/Reply
- ☒ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☐ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No _____

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Bernard G. Pike/	Date (YYYY-MM-DD)	2014-06-02
Name	Bernard G. Pike	Registration Number	46993

This collection of information is required by 37 CFR 1.114. 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 12 minutes 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.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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.

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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.

PTO/SB/122 (11-08)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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CHANGE OF CORRESPONDENCE ADDRESS
Application

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	12/631375
Filing Date	Dec. 4, 2009
First Named Inventor	Mark Zehfuss
Art Unit	3618
Examiner Name	James M. Dolak
Attorney Docket Number	DYN005

Please change the Correspondence Address for the above-identified patent application to:

☐ The address associated with Customer Number: [ ]

OR

☑ Firm or Individual Name Bernard G. Pike

Address Pike IP Law, PLLC
P.O. Box 8592

City Richmond | State VA | Zip 23226

Country US

Telephone 804-615-3939 | Email mail@pikeiplaw.com

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

☐ Applicant/Inventor

☐ Assignee of record of the entire interest.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☑ Attorney or agent of record. Registration Number 46993.

☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number_____.

Signature /Bernard G. Pike/

Typed or Printed Name Bernard G. Pike

Date June 2, 2009 | Telephone 804-615-3939

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____forms are submitted.

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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.
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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.
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PTO/SB/08a (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	12631375
Filing Date	12-04-2009
First Named Inventor	Mark Zehfuss
Art Unit	3618
Examiner Name	James M. Dolak
Attorney Docket Number	DYN005

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5338096	08-16-1994	Huang	
		US- 20030025304	02-06-2003	Haeggberg	
		US- 20070001429	01-04-2007	Maciejczk	
		US- 20070085303	04-19-2007	Cheng	
		US- 20070114738	05-24-2007	Jones, et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]–Number[4]–Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
		WO2005105546	11-10-2005	Rohl, et al.		
		ES 2253093	08-06-2004	Jane Stopp		
		GB2309203	07-23-1997	Cabagnero		
		WO2008135974	11-13-2008	Katz, et al.		

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.	:	12/631,375
	:	
First Named Inventor	:	Mark Zehfuss
Filing Date	:	December 4, 2009
Art Unit	:	3618
Examiner	:	James M. Dolak
	:	
Docket No.	:	DYN005

June 2, 2014

Mail Stop Information Disclosure Statement
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Information Disclosure Statement

Dear Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant wishes to submit to the United States Patent and Trademark Office the references listed on the attached form PTO/SB/08a. Applicant does not admit that the listed references are prior art under 35 U.S.C. 102/103 and reserves the right to traverse or antedate any listed reference. Although the references are provided based upon the Applicant's duty to disclose, Applicant believes that the invention as currently claimed is still patentable. None of the listed references disclose a seat attachment for a stroller comprising separate left and right frame attachment members comprising a connector portion capable of removably connecting to a stroller frame adjacent the

front wheels of the stroller and a support elements removably connecting the seat in either a forward or backward position between the left and right support elements.

Please review and sign off on the listed references and kindly make the cited references of record in the above referenced patent application. No fee is believed due with this filing.

Sincerely,

/Bernard G. Pike/

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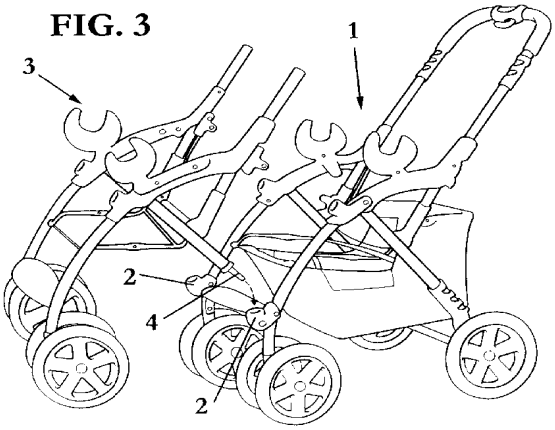
(72) Inventor/es: **Jane Stopp, Joaquim**

(74) Agente: **Ponti Sales, Adelaida**

(54) Título: **Cochecito infantil doble.**

(57) Resumen:
Cochecito infantil doble.
El cochecito comprende un primer cochecito infantil (1) y un segundo cochecito infantil (3) unidos entre sí, y se caracteriza por el hecho de que los dos cochecitos están unidos mediante medios de acoplamiento amovibles (2, 4). Dichos medios de acoplamiento amovibles comprenden un par de casquillos (2) previstos en la parte delantera de dicho primer cochecito infantil (1), donde se alojan un par de varillas (4) previstas en la parte posterior del segundo cochecito infantil (3). Se consigue un cochecito infantil doble que también se puede utilizar de manera individual.

FIG. 3



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DESCRIPCIÓN

Cochecito infantil doble.

La presente invención se refiere a un cochecito infantil doble, que puede utilizarse para llevar dos niños a la vez, o de manera independiente.

Antecedentes de la invención

En la actualidad existen cochecitos infantiles dobles, que habitualmente se utilizan para llevar gemelos, aunque también se pueden usar para llevar niños de diferentes edades.

Estos cochecitos dobles comprenden dos cochecitos infantiles unidos a través de una única estructura, de manera que no se pueden separar.

Esta imposibilidad de separar los cochecitos presenta varios inconvenientes. En primer lugar, no se pueden utilizar los cochecitos por separado, lo que implica que si se han de llevar los dos niños por separado es necesario un cochecito independiente. En segundo lugar, si los niños son de diferente edad, cuando el mayor ya no necesita un cochecito infantil, únicamente se dispone de un cochecito infantil doble, no pudiéndose utilizar de manera individual.

Por lo tanto, es evidente la necesidad de un cochecito infantil que se pueda utilizar como cochecito infantil doble para dos niños a la vez y, al mismo tiempo, si se desea, utilizarlo como dos cochecitos infantiles independientes.

Descripción de la invención

Con el cochecito infantil de la invención se consiguen resolver los inconvenientes citados, presentando otras ventajas que se describirán.

El cochecito infantil doble de la presente invención comprende un primer cochecito infantil y un segundo cochecito infantil unidos entre sí, y se caracteriza por el hecho de que los dos cochecitos infantiles están unidos mediante medios de acoplamiento amovibles.

Gracias a esta característica, el cochecito infantil de la presente invención se puede utilizar con ambos cochecitos unidos o separados, según se desee.

Según una realización preferida, dichos medios de acoplamiento amovibles comprenden un par de casquillos previstos en la parte delantera de dicho primer cochecito infantil, donde se alojan un par de varillas previstas en la parte posterior del segundo cochecito infantil.

De esta manera, el acoplamiento y desacoplamiento de los dos cochecitos puede realizarse cómoda y rápidamente en el momento que se desee utilizar dichos cochecitos unidos o por separado.

Preferentemente, el segundo cochecito infantil comprende un par de ruedas montadas de manera amovible, estando dichas ruedas amovibles de dicho segundo cochecito montadas en dichas varillas.

Ventajosamente, dicho segundo cochecito comprende un manillar montado de manera amovible.

Breve descripción de los dibujos

Para mejor comprensión de cuanto se ha expuesto se acompañan unos dibujos en los que, esquemáticamente y tan sólo a título de ejemplo no limitativo, se representa un caso práctico de realización.

La figura 1 es una vista en perspectiva del primer cochecito de la presente invención;

La figura 2 es una vista en perspectiva del segundo cochecito de la presente invención;

La figura 3 es una vista en perspectiva de los dos cochecitos justo antes de su unión;

La figura 4 es una vista en perspectiva de cochecito doble de la presente invención; y

Las figuras 5 y 6 son vistas en perspectiva de dos cochecitos dobles según dos realizaciones alternativas.

Descripción de una realización preferida

En la figura 1 se ha representado un primer cochecito infantil 1, cuya única diferencia respecto a un cochecito infantil convencional es la presencia de medios de acoplamiento en su parte delantera. En concreto dichos medios de acoplamiento son un par de casquillos 2, cuya función se describirá posteriormente.

El resto del cochecito infantil no se describe, ya que es convencional y no forma parte de la presente invención.

En la figura 2 se ha representado un segundo cochecito infantil 3 que puede acoplarse al primer cochecito infantil 1 citado anteriormente. En este caso, la diferencia entre este segundo cochecito 3 y uno convencional es que comprende medios de acoplamiento en su parte trasera, en concreto un par de varillas 4, que se alojan en los casquillos 2 citados anteriormente cuando se utilizan ambos cochecitos 1, 3 acoplados entre sí, o en las que se colocan las ruedas traseras 5 del segundo cochecito 3, las cuales están montadas de manera amovible.

Además, el manillar 6 también está montado de manera amovible, pudiéndose retirar cuando se utilice el cochecito doble 1, 3.

Como es evidente, los dos cochecitos 1, 3 representados en las figuras 1 y 2 pueden utilizarse de manera independiente. Si se desea utilizarlos conjuntamente, simplemente se han de retirar las ruedas traseras 5 y el manillar 6 del segundo cochecito 3, introduciéndose las varillas 4 en los correspondientes casquillos 2, tal como se muestra en la figura 3. Aunque no se ha representado en las figuras, es evidente que los casquillos 2 comprenden algún sistema de retención para evitar que las varillas 4 se salgan accidentalmente.

Una vez realizada esta operación, el cochecito infantil doble de la presente invención queda tal como se ha representado en la figura 4, listo para utilizarse con dos niños.

Para volver a utilizar los dos cochecitos 1, 3 de manera independiente simplemente hay que realizar la operación inversa a la descrita anteriormente.

En las figuras 5 y 6 se han representado dos ejemplos de utilización del cochecito doble de la presente invención.

En la figura 5, se ha representado el cochecito doble con un asiento trasero 8 y un capazo delantero 7, mientras que en la figura 6 se ha representado con dos asientos 8. Como es sobradamente conocido, el capazo 7 es adecuado para bebés que han de ir echados, mientras que el asiento 8 es adecuado para niños que pueden permanecer sentados.

Es evidente que las combinaciones representadas en las figuras 5 y 6 son solamente a modo de ejemplo, pudiéndose utilizar cualquier combinación adecuada además de las representadas.

A pesar de que se ha hecho referencia a una realización concreta de la invención, es evidente para un experto en la materia que el coche infantil descrito es susceptible de numerosas variaciones y modifica-

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ciones, y que todos los detalles mencionados pueden ser substituidos por otros técnicamente equivalentes, sin apartarse del ámbito de protección definido por las reivindicaciones adjuntas.

REIVINDICACIONES

1. Cochecito infantil doble, que comprende un primer cochecito infantil (1) y un segundo cochecito infantil (3) unidos entre sí, **caracterizado** por el hecho de que los dos cochecitos están unidos mediante medios de acoplamiento amovibles (2, 4).

2. Cochecito infantil doble según la reivindicación 1, **caracterizado** por el hecho de que dichos medios de acoplamiento amovibles comprenden un par de casquillos (2) previstos en la parte delantera de dicho primer cochecito infantil (1), donde se alojan un par de varillas (4) previstas en la parte posterior del segundo cochecito infantil (3).

3. Cochecito infantil doble según la reivindicación 1 ó 2, **caracterizado** por el hecho de que el segundo cochecito infantil (3) comprende un par de ruedas (5) montadas de manera amovible.

4. Cochecito infantil doble según las reivindicaciones 2 y 3, **caracterizado** por el hecho de que dichas ruedas amovibles (5) de dicho segundo cochecito están montadas en dichas varillas (4).

5. Coche infantil doble según la reivindicación 1, **caracterizado** por el hecho de que dicho segundo cochecito (3) comprende un manillar (6) montado de manera amovible.

FIG. 1

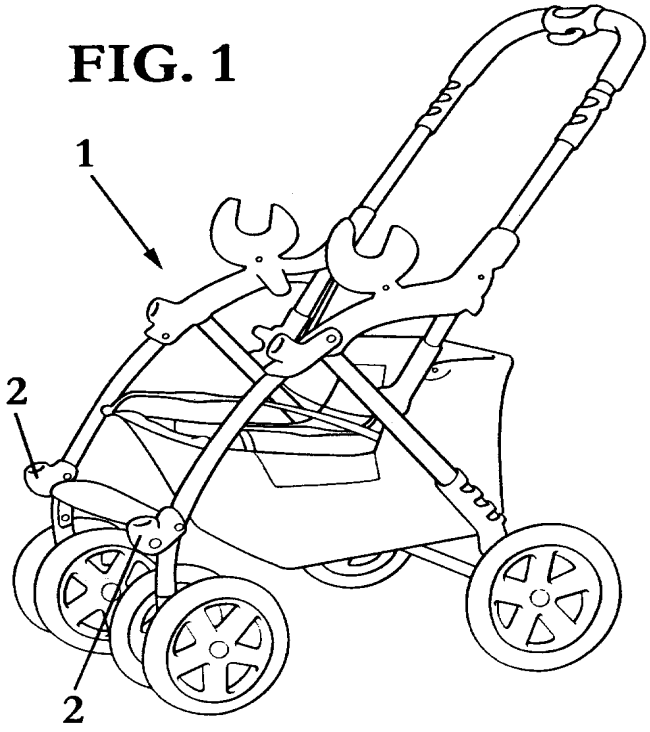


FIG. 2

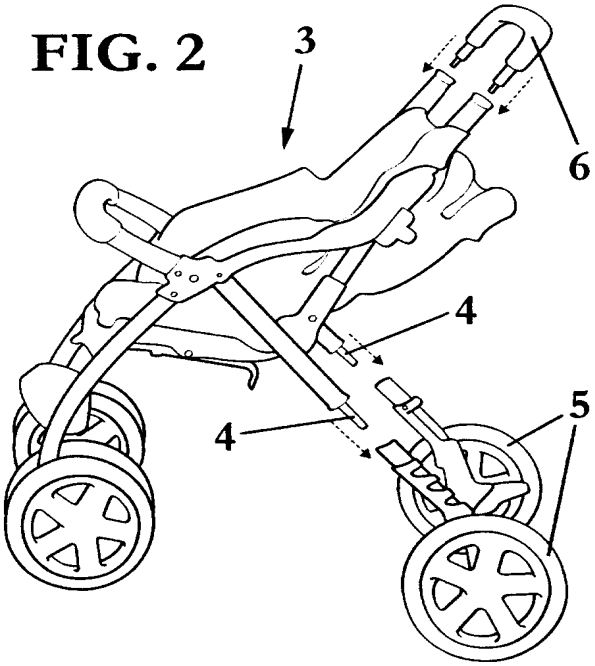


FIG. 3

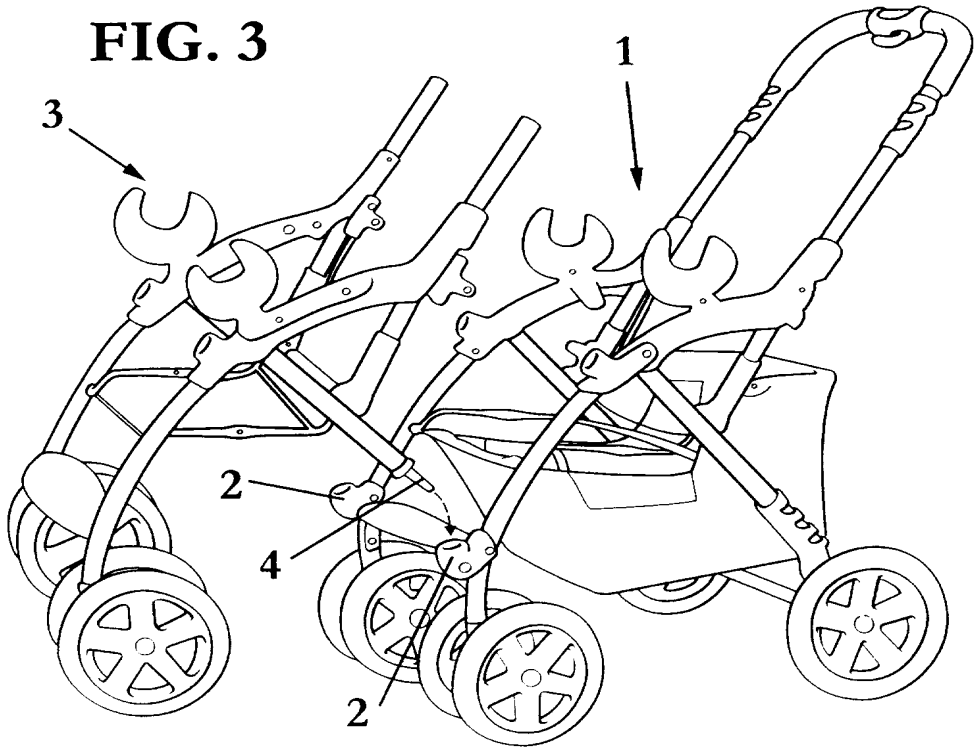


FIG. 4

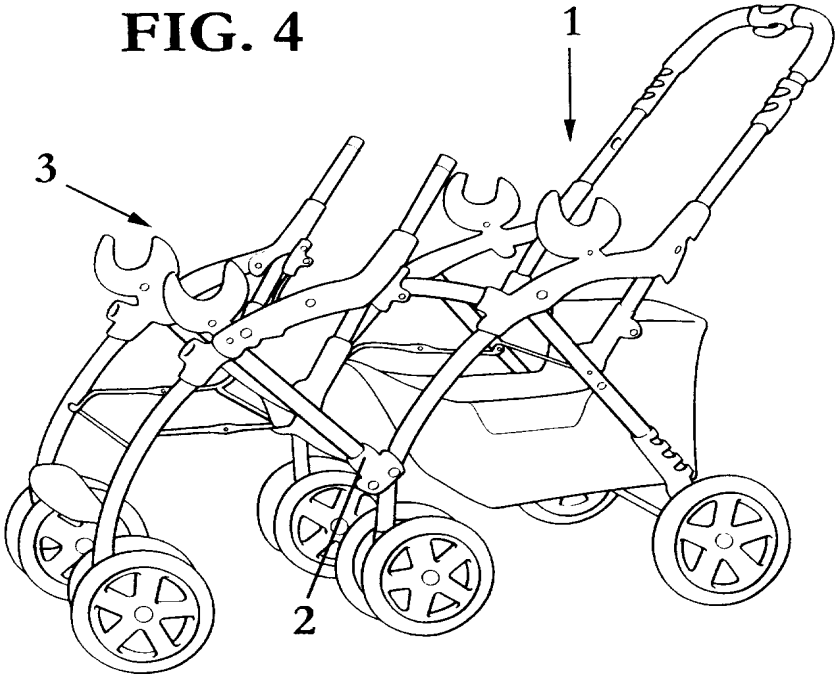


FIG. 5

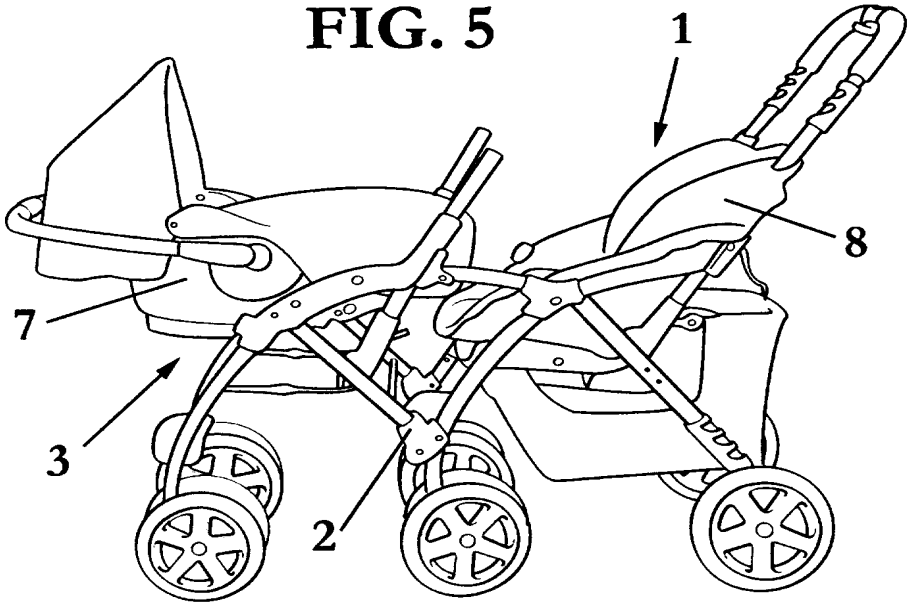
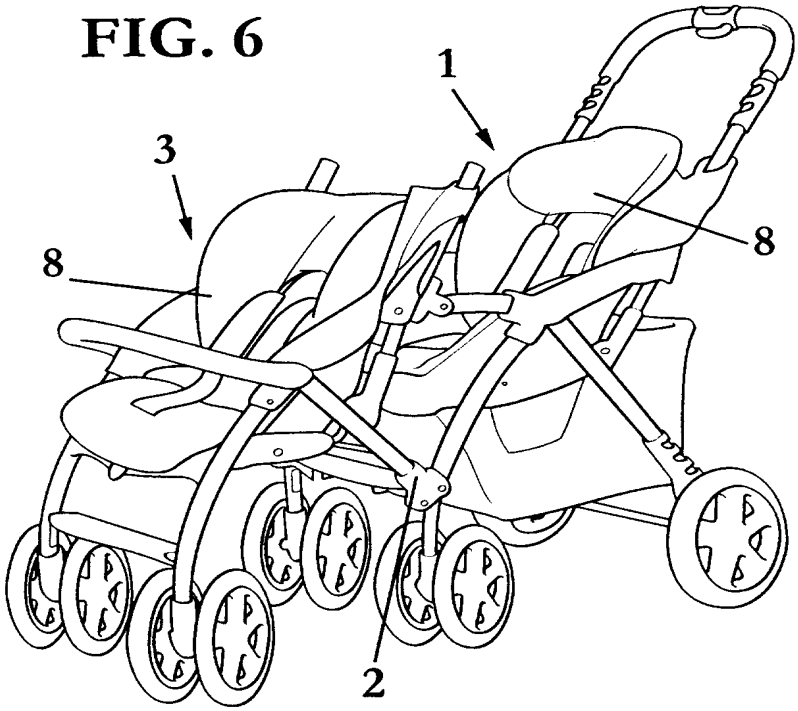


FIG. 6



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(21) Nº de solicitud: 200401973

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INFORME SOBRE EL ESTADO DE LA TÉCNICA

(51) **Int. Cl.:** ***B62B 9/12*** (2006.01)

DOCUMENTOS RELEVANTES

Categoría	Documentos citados	Reivindicaciones afectadas
X	GB 2368824 A (LACKEY) 15.05.2002, página 8, línea 29 - página 12, línea 20; figuras 4,5,7.	1,5
A		2
X	US 5522121 A (FRAYND) 04.06.1996, columna 1, líneas 30-37; figura 1.	1
A	US 6449801 B1 (DURRIN) 17.09.2002, columna 1, línea 50 - columna 2, línea 62; figuras 3,4.	3,4

Categoría de los documentos citados

X: de particular relevancia
Y: de particular relevancia combinado con otro/s de la misma categoría
A: refleja el estado de la técnica
O: referido a divulgación no escrita
P: publicado entre la fecha de prioridad y la de presentación de la solicitud
E: documento anterior, pero publicado después de la fecha de presentación de la solicitud

El presente informe ha sido realizado

☒ para todas las reivindicaciones ☐ para las reivindicaciones nº:

Fecha de realización del informe	Examinador	Página
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(52) UK CL (Edition O)
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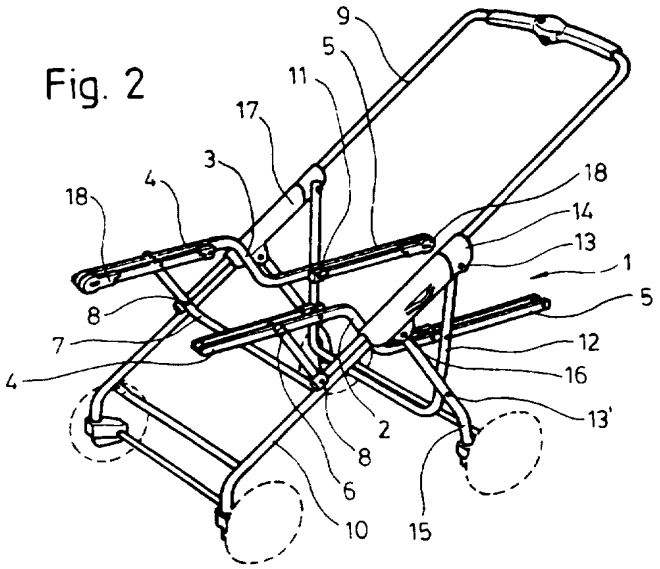
(56) Documents Cited
FR 002615155 A1 US 5033761 A US 4753453 A
US 4728112 A US 4542915 A

(58) Field of Search
UK CL (Edition O) B7B BTF1 BTX1
INT CL^6 B62B 7/00 7/04 9/00 9/10 9/12 9/28
Online: WPI

(54) Compact two seater pushchair

(57) A two-seater pushchair comprises a foldable frame 1 upon which can be mounted two seats (figures 3 and 4) or a seat and a carry cot (figure 5), which frame has two side bars 2, 3 each having an upper portion 4 for mounting one seat/carry cot and a lower portion 5 at a different level for mounting the other seat/carry cot. The seats can be mounted variously to face one another or otherwise (figures 3 to 5). The portions may include devices 18 for locking the seats and/or carry cot in place. The upper portions and lower portions of the side bars may be linked by respective U-shaped supports 7 and 12. A backrest (R figure 3) and legrest (P figure 3) of the seat(s) may recline and a hood (T figures 3A and 5) may be provided on the seat(s)/carry cot.

Fig. 2



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Fig. 1

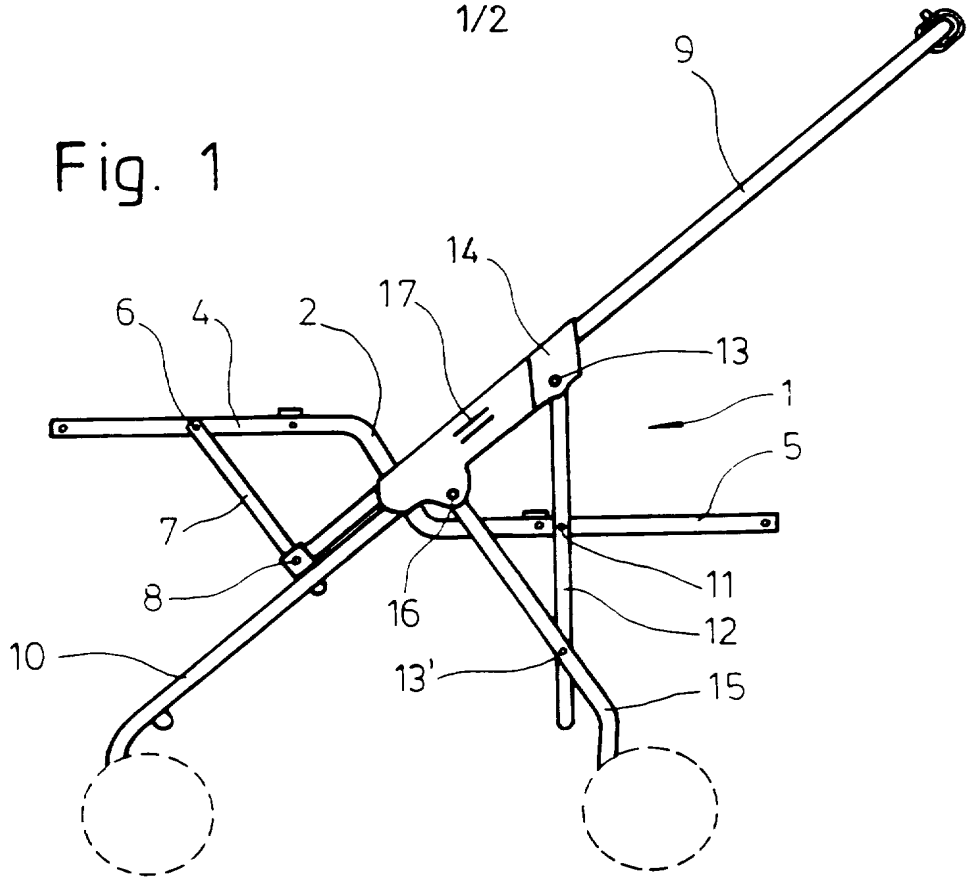
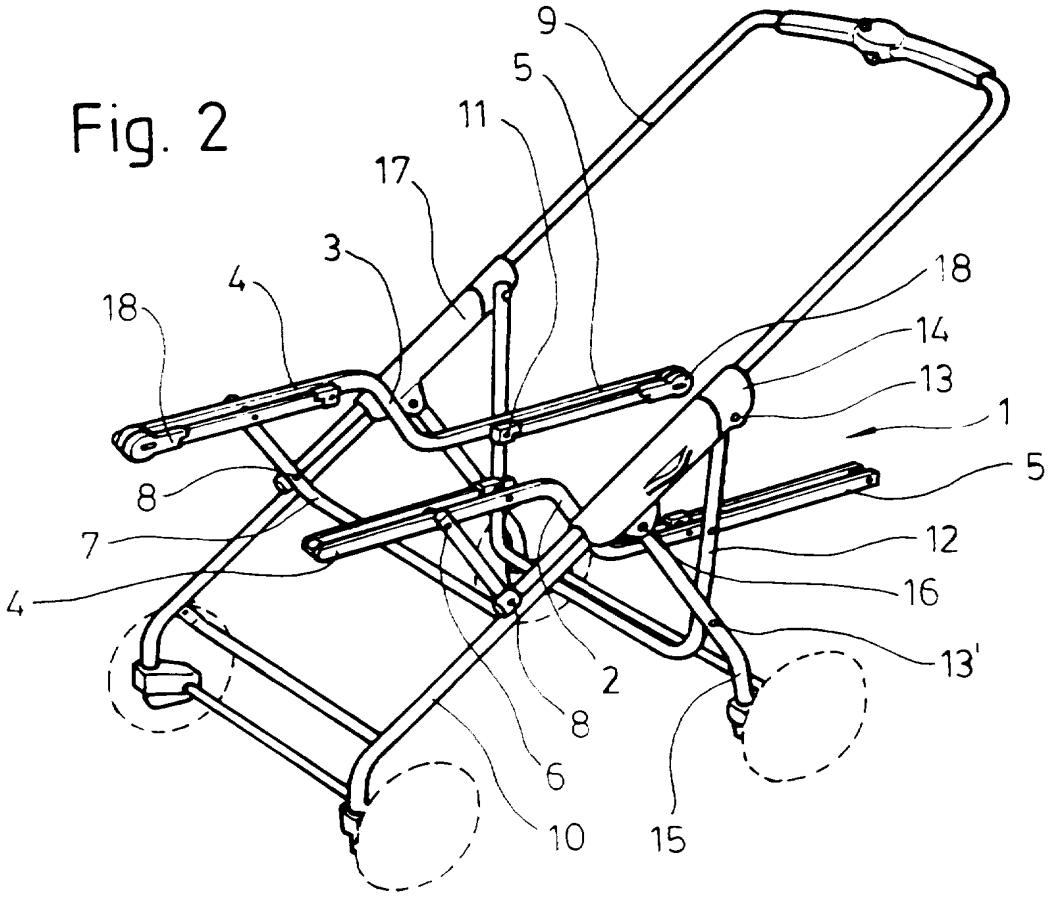

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Fig. 2


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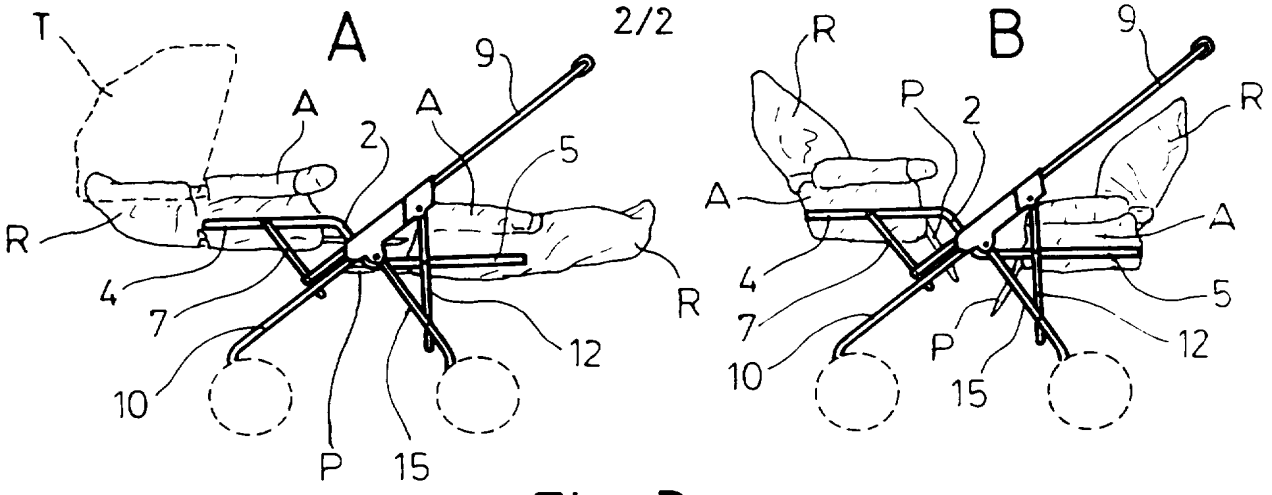


Fig. 3

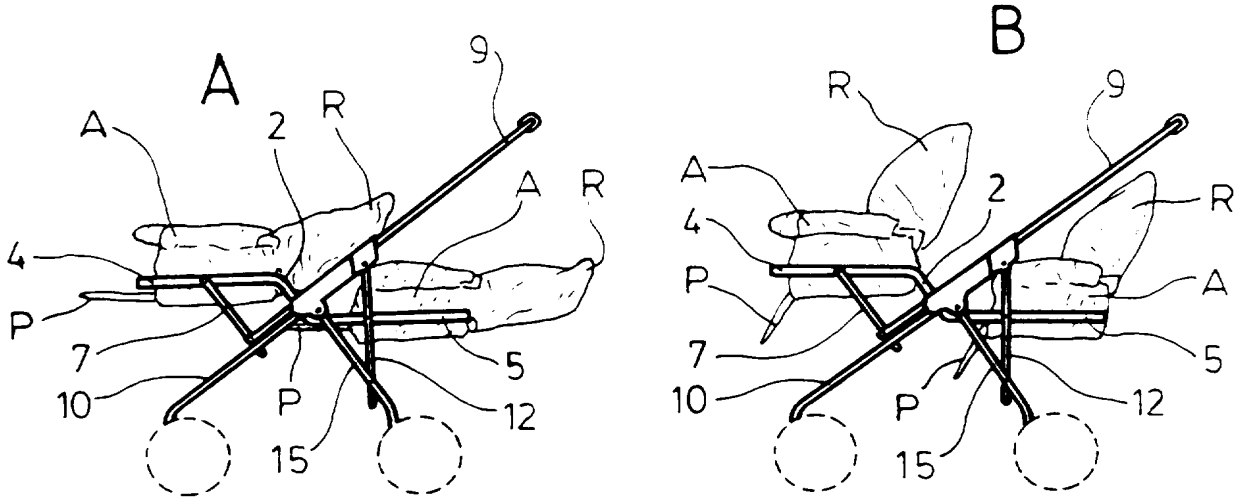


Fig. 4

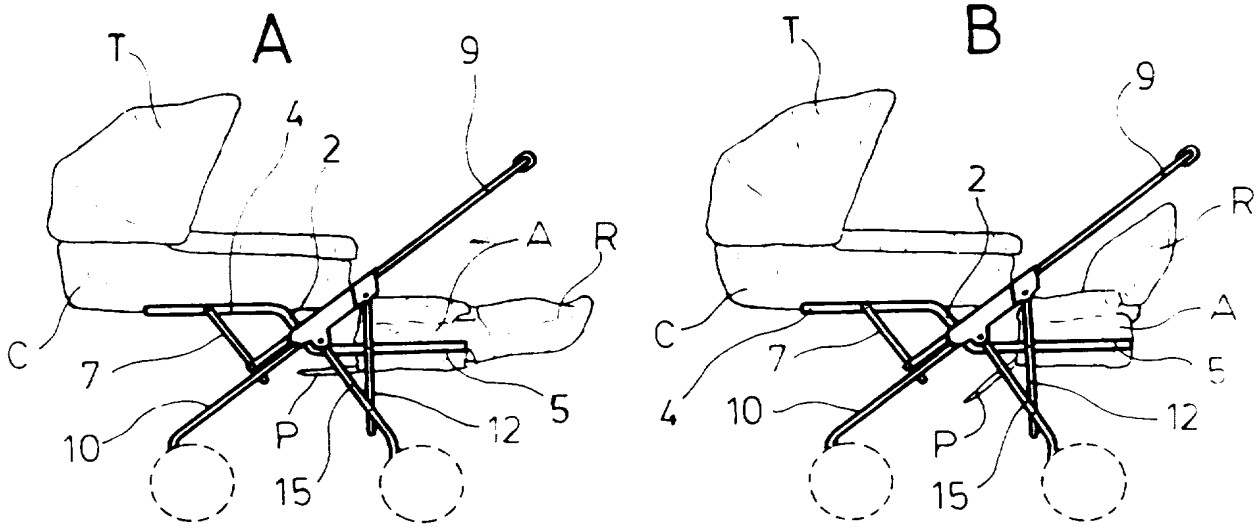


Fig. 5

Two-seater children's pram-pushchair

This invention refers to a two-seater children's pram-pushchair.

Different models of two-seater children's pram-pushchairs are already known, created for twins, usually comprising a frame with four or six sets of wheels upon which one double-width seat or two single seats or two carry-cots are assembled side by side. These seats or carry-cots are usually placed looking forwards or backwards.

The problem with these pram-pushchairs is their width which hinders their passing through normal-width doors. To solve this problem, there are also two-seater pushchairs whose width is similar to that of conventional pram-pushchairs, where the seats are arranged one behind the other. In this case the pushchair is particularly long, making it difficult to fold up and with its not fitting into a car boot. In order to reduce this length in as far as possible, in some cases the matter of the child's comfort has been simplified using seats in which the child cannot lie flat.

The object of this invention is to achieve a two-seater children's pram-pushchair in which the children can lie down without the device being excessively long and of a normal width, with the additional advantage that the children can sit one in front of the other or looking at each other, and with its even being possible to use one seat and one carry-cot for transporting two children of different ages.

For this purpose, the common feature is that the chassis of the pram-pushchair has two side bars, each one of them formed by two stretches on different levels, with the two seats or one seat and one carry-cot being coupled firmly on the higher stretches of the two bars and on the lower of them respectively.

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The two stretches of the two side bars on the different levels include a device to lock and unlock the fixture of the seats and carry-cot assembled on them.

These and other features are better understood from the detailed description that follows, to facilitate which two sheets of drawings are attached where a practical case of the embodiment mentioned is shown; this is provided merely as a non-restrictive example of the scope of this present invention.

In the drawings :

Figure 1 shows the side elevation of the frame of the pushchair in question.

Figure 2 shows a perspective view of that frame, and

Figures 3, 4 and 5 represent, schematically, some of the different positions of the seats and carry-cot.

According to the drawings, the pram-pushchair includes a foldable frame -1- presenting, characteristically, two side bars -2- and -3- each one of which formed by facing stretches -4- and -5- on different levels. Of these, stretches -4-, which are higher, are the front ones whereas stretches -5-, which are lower, are the rear ones.

In this case, the side bars are coupled by means of joints to the frame of the pram-pushchair. Thus, the higher front stretches -4- are jointed at an intermediate point -6- at the ends of the branches of a first U-shaped support -7- which is jointed underneath by points -8- to the ends of the branches of the handle in an inverted U-shape -9-, sliding along those branches along the front feet -10- of the frame when the pram-pushchair is folded up.

Meanwhile, the lower rear stretches -5- of the side bars -2- and -3- are jointed at an intermediate point -11- to an intermediate point of the branches of a second support in a U-shape -12- ; at the higher end -13- these

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are jointed to different brackets -14- coupled to the front feet -10- and underneath -13- they are jointed to the rear feet -15- ; these, at their higher end -16- are jointed to different brackets -17- linked to the brackets of the handle -9-.

The stretches -4- and -5- of the side bars are equipped with devices -18- to lock and unlock the fixtures of the corresponding seats -A- comprising a jointed back-rest -R- and leg-rest -P- and a carry-cot -C-; the seats and the carry-cot can be equipped with a hood -T-.

This structure and design of the side bars -2- and -3- make it possible to arrange the seats in front of each other and lying down (figure 3-A) or in front of each other and with the back-rest raised and the leg-rest lowered (figure 3-B), or to have one seat behind the other lying down (Figure 4-A) or with the back-rest raised and the leg-rest lowered (figure 4-B). It is also possible to arrange a carry-cot and a lying seat (Figure 5-A) or with the seat with the back-rest raised and the leg-rest lowered (Figure 5-B). Logically, other combinations can also be made such as for example one seat looking forwards and other looking backwards.

It is to be understood that the frame -1- may present a different structure to the one that is shown here as the essential factor of this pram-pushchair is the coupling of the side bars with its facing stretches on different levels of the frame.

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CLAIMS

1. Two-seater children's pram-pushchair comprising a foldable frame upon which the seats are assembled, characterized in that the frame has two side bars, each one of them formed by facing stretches on different levels, coupling fixedly on the higher stretches of the two bars and on the lower stretches thereof the corresponding seats or one seat and one carry-cot, where the seats can be arranged facing one another or otherwise.

2. Two-seater children's pram-pushchair, according to Claim 1, characterized in that the two stretches on different levels of the two side bars include devices for locking and unlocking the coupling of the seats and carry-cot assembled on them.

3. Two-seater children's pram-pushchair, according to Claim 1, characterized in that the front stretches of the side bars are linked by a joint at an intermediate point of the higher ends of the branches of the first support in a U-shape, articulated underneath the frame of the pram-pushchair.

4. Two-seater children's pram-pushchair, according to claim 1, characterized in that the rear stretches of the side bars are linked in a jointed way on an intermediate point of the branches of a second U-shapep support above and below the frame of the pram-pushchair.

5. Two-seater children's pram-pushchair, substantially as described herein with reference to the drawings.

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Amendments to the claims have been filed as follows

CLAIMS

1. A two-seater children's pram-pushchair comprising a foldable frame adapted to receive two seats, wherein the frame has two side bars, each one of which has two parts located at different heights, the two seats or one seat and one carry-cot being detachably mountable on the upper and lower parts of the side bars in such a manner as to face one another or be located one behind the other.

2. A two-seater children's pram-pushchair according to claim 1, wherein the said two parts of each of the side bars include devices for locking and unlocking the seats or carry-cot detachably mounted on said parts.

3. A two-seater children's pram-pushchair according to claim 1 or claim 2, wherein the upper parts of the side bars are located towards the front and are articulatedly linked at an intermediate point by a U-shaped joint which is articulated at a lower point to the frame of the pram-pushchair.

4. A two-seater children's pram-pushchair according to any one of the preceding claims, wherein the lower parts of the side bars are located towards the rear and are linked at an intermediate point by a second U-shaped joint which is articulatedly located at its upper point and at its lower point to the frame of the pram-pushchair.

5. A two-seater children's pram pushchair substantially as described herein with reference to the drawings.

The Patent Office

-6-

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Other: Online database: Derwent World Patents Index accessed via Questel

Documents considered to be relevant:

Category	Identity of document and relevant passage		Relevant to claims
X	US 4728112	(WYNENS) see especially figures 1 & 3	1 at least
X	US 4753453	(SCHILBACH) see especially figures 5-8	1 at least
X	US 4542915	(WHEELER et al) see especially 2	1 at least
X	FR 2615155 A1	(BOIDIN) see especially figures 1 & 2	1 at least
A	US 5033761	(KELLY) see especially figures 2-4	

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
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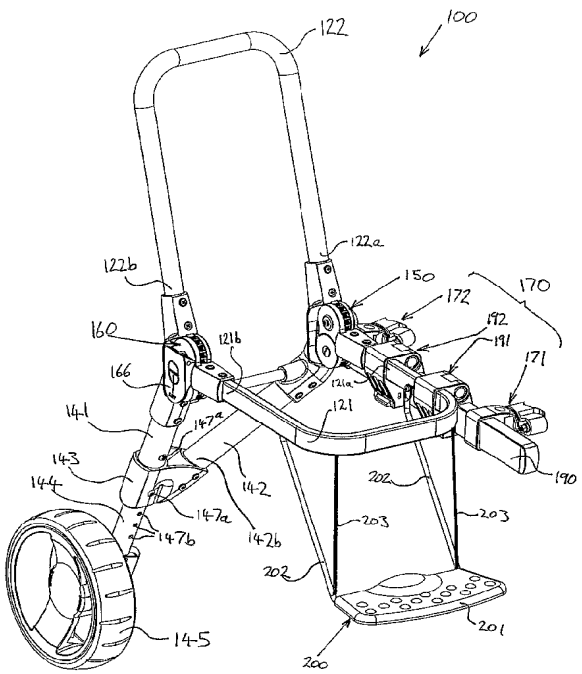
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[Continued on next page]

(54) Title: AUXILIARY PUSHCHAIR SEAT



(57) Abstract: An auxiliary seat (1) attachable to a pushchair (2) to enable it to accommodate two children seated side-by-side. The seat comprises a frame (10) having a backrest (22) and a base (21) and a wheel (30) in contact with the ground in an operative position. A child seated on the base is supported with their back against the backrest (22). The frame (10) is configured so that the backrest (22) and the base (21) fold substantially flat when the auxiliary seat is not in use. The auxiliary seat (1), including the base (21) and backrest (22), can pivot relative to the pushchair (2) to be folded against the side thereof in a storage position with the wheel (30) off the ground, once the base (21) and backrest (22) of the seat have been folded substantially flat.

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Auxiliary Pushchair Seat

Description

The present invention relates to a pushchair, and more specifically, to an add-on seating device for pushchairs.

It is often the case with parents having more than one child that the age gap between the children is such that the older child is not fully able to walk by the time the second child is born or is reluctant to do so for an extended period of time. During the first child's initial years, the parents will most probably have bought a single-seat pushchair to transport the child around in until it learns to walk properly. Modern pushchairs can be an expensive outlay, and perhaps difficult to afford, especially for young couples or those on low income. Therefore, when the second child is born, the parents find themselves requiring another pushchair so that both children can be transported together. Therefore, they must either buy another single-seat pushchair in addition to the first, which means having to use two pushchairs each time both children are taken out together or, buy a new double-seat pushchair, which means the original single-seat pushchair is then redundant. In either case, it involves another significant financial outlay for the parents.

One solution to this problem is to provide an add-on device that can be attached to the existing single-seat pushchair to adapt it to be able to carry both children simultaneously. Recently, pushchair add-on products have become commercially available and one such device comprises a wheeled platform that attaches to the rear of the pushchair, on which the elder child can stand whilst the younger child is seated.

However, this platform type of device has a number of disadvantages. Firstly, as the device is a platform and not a seat, it requires the elder child to remain standing, which can quickly tire them out and become uncomfortable for them. This has a safety implication as well, since the elder child is not provided with a harness to stop them falling off the device. Secondly, the device is positioned at the rear of the

pushchair between the pushchair and the parent. This means that the parent has to lean forward and stoop over and/or around the standing child in order to push the pushchair, and this can quickly cause backache and stiffness, and is generally uncomfortable over anything but the shortest distances. Thirdly, the wheels of the platform are positioned behind the rear wheels of the pram, which means that it can be difficult to push the pushchair up or down kerbs, as the device hinders the ability of the pushchair to be pivoted about the rear wheel axle. This device can also unbalance the pushchair and cause it to tip over very easily

It is therefore an object of the present invention to provide an add-on pushchair seating device that substantially alleviates or overcomes the problems mentioned above.

Accordingly, the present invention provides an auxiliary seat attachable to a pushchair to enable it to accommodate two children seated side-by-side, the seat comprising a frame having a backrest and a base and a wheel in contact with the ground in an operative position to support a child seated on the base with their back against the backrest, wherein the frame is configured so that the backrest and the base fold substantially flat when the auxiliary seat is not in use and wherein the auxiliary seat, including the base and backrest, can pivot relative to the pushchair to be folded against the side thereof in a storage position with the wheel off the ground, once the base and backrest of the seat have been folded substantially flat.

In a preferred embodiment, the base and the backrest are pivotable relative to one another such that they are collapsible from the erect operative position to the collapsed folded position by means of a scissor-like mechanism, and the scissor-like mechanism preferably includes at least one sliding joint to enable the base and backrest to be erected and collapsed.

Conveniently, the backrest is attached to one end of a first support strut and the base is attached to one end of a second support strut, and in which said first and second support struts are pivotable relative to each other and the end of the first support strut remote from the backrest is connected to the at least one sliding joint.

A locking mechanism is preferably provided to retain the seat in the erect operative position, and preferably, a locking mechanism locks the at least one sliding joint in place and may comprise a latch extending from the at least one sliding joint, operable to lock onto a fixed shaft on the frame. The latch is preferably located at one end of an arm, the arm rotatably mounted to the at least one sliding joint and operable to move from a first locked position in which the latch snags on the fixed shaft, to a second unlocked position in which the latch is clear of the fixed shaft to allow movement of the at least one sliding joint.

In an alternative embodiment of the invention, the backrest and the base are pivotably connected to one another by hinge joints to be pivotable from the erect operative position to the collapsed storage position in which the backrest lies flat against the base.

The base conveniently comprises a base frame and a seat covering attached thereto, and the backrest preferably comprises a backrest frame with a backrest covering attached thereto.

In a preferred embodiment, the wheel is secured to the frame by a pivotable wheel mechanism which can pivot from an extended operative position to a folded storage position in which the wheel mechanism lies substantially flat against the frame.

The wheel mechanism preferably includes a telescopic strut to allow the distance of the wheel from the frame to be telescopically adjusted independently of the pivoting of the wheel mechanism from the operative position to the storage position, and the telescopic strut conveniently includes a locking mechanism to lock the strut in the desired position.

In a preferred embodiment, in the storage position, the wheel mechanism lies flat against the base on the opposite side thereto to the backrest.

The wheel mechanism is preferably connected to the frame at said hinge joints, and the backrest and the wheel mechanism are advantageously mechanically connected to one another to be moveable from their respective operative positions to their folded storage position together.

At least one hinge joint preferably includes a locking means to lock the backrest, and preferably also the associated wheel mechanism, in the operative position or in the storage position. The locking means preferably includes a pair of ratchet plates operated by a cam lever to move from a locked position in which the ratchets of each plate engage with each other, to an unlocked position in which the ratchets of each plate are out of engagement with each other to allow the backrest and/or wheel mechanism to pivot about the hinge joints.

The frame may be attached to the pushchair by a first clamping means extending from one side of the frame, and the first clamping means may be attached to a first support strut which is hingedly attached to the frame. The frame is preferably further attached to the pushchair by a second clamping means extending from said one side of the frame and the second clamping means is conventiently hingedly attached to the frame. The first and second clamping means are preferably attachable to a supplementary pushchair frame bar which includes further attachment means operable to fix the bar and seat attached thereto, to the conventional pushchair. Alternatively, the first and second clamping means may be attachable to a replacement pushchair frame bar which can be fitted in place of an existing section of frame of a conventional pushchair to fix the seat thereto.

The auxiliary seat may include at least one clamp to secure the add-on seat to a frame of a pushchair, and the at least one clamp is preferably attached to a connection bar, and the frame is attached to the connection bar by at least one hinge connector to be pivotable relative to the connection bar. The at least one clamp and/or the at least one hinge connector are preferably slidable relative to the connection bar allow the position of the frame to be adjusted relative to the pushchair. The frame and connection bar are advantageously releasably attached to

the connection bar. At least one hinge connector preferably includes a locking mechanism to lock the auxiliary seat in the operative position.

The auxiliary seat of the invention is preferably releasably attachable to said pushchair. A preferred embodiment of the invention includes a locking mechanism to secure the auxiliary seat in the storage position.

In a preferred embodiment, the at least one wheel is detachable, and the at least one wheel is preferably positioned such that when the auxiliary seat is mounted on the pushchair in an operative position, the at least one wheel is in alignment with a rear wheel of the pushchair, and more preferably, coaxial with an axle of a rear wheel of the pushchair.

The seat conveniently includes a safety harness to retain a child in position thereon, and may also include a rain cover attached to the seat to at least partially surround a child sitting on the seat. A sunshade may also be attached to the seat to shade a child sitting on the seat, and a toy steering wheel or a toy hobby-horse style attachment may be positionable in front of a child sitting on the seat.

Preferred embodiments of the present invention will now be described, by way of examples only, with reference to the accompanying drawings, in which:

Figure 1 shows a perspective view of a pushchair add-on device according to a first embodiment of the invention, in an erected operative position;
Figure 2 shows the pushchair add-on device of Figure 1 in a collapsed position;
Figure 3 shows a side view of the pushchair add-on device of Figure 1;
Figure 4 shows a side view of the pushchair add-on device of Figure 2;
Figure 5 shows a rear perspective view of the pushchair add-on device of Figures 1 and 3;
Figure 6 shows the pushchair add-on device in the erect position attached to a conventional pushchair;
Figure 7 shows the pushchair add-on device in the collapsed position attached to a conventional pushchair, and folded up in a storage position;

Figure 8 is a perspective view of a second embodiment of a pushchair add-on device according to the invention, in an operative position with the base and backrest removed;

Figure 9 is a plan view from above of the seat of Figure 8;

Figure 10 is a side view of the seat of Figures 8 and 9;

Figure 11 is a front view of the seat of Figures 8 – 10;

Figure 12 is a perspective view of the seat of Figures 8 – 11 in a collapsed position;

Figure 13 is a plan view from above of the seat of Figure 12;

Figure 14 is a side view of the seat of Figures 12 and 13;

Figure 15 is a front view of the seat of Figures 12 – 14;

Figure 16 is a perspective view of the seat of Figures 8 – 15, collapsed and folded up in a storage position;

Figure 17 is a plan view from above of the seat of Figure 16;

Figure 18 is a side view of the seat of Figures 16 and 17;

Figure 19 is a front view of the seat of Figures 16 – 18;

Figures 20A – 20B are side views of the left hinge bracket;

Figure 21 is an exploded perspective view of the left hinge bracket of Figures 20A and 20B;

Figures 22A – 22E are various perspective views of the right hinge bracket showing the locking mechanism;

Figure 23 is an exploded perspective view of the right hinge bracket of Figures 22A – 22E;

Figure 24 is an exploded perspective view of a frame clamp;

Figure 25 is a plan view from above of an assembled frame clamp of Figure 24;

Figure 26 is a side view of the frame clamp of Figure 25;

Figure 27 is an exploded perspective view of a hinged frame clip;

Figure 28 is an end view of an assembled frame clip of Figure 27;

Figure 29 is a side view of the frame clip of Figure 28;

Figure 30 is an exploded perspective view of the wheel; and

Figure 31 is a perspective view of the seat of Figures 8 – 19 with the base and backrest covers in place.

Referring now to Figures 1 – 7 of the drawings, a pushchair add-on device 1, for attachment to any type of conventional pushchair 2 (see Figures 6 and 7), is shown, comprising a chassis frame 10, a seat portion 20 and a wheel 30. The chassis 10 comprises first and second generally curved L-shaped tubular chassis members 11, 12 arranged so that long sides 11a, 12a of each member 11, 12 are parallel to one another, and short sides 11b, 12b are parallel to one another. Each end of each chassis member 11, 12 is connected to a correspondingly opposite end of the other member so as to form a generally rectangular chassis frame 10.

The seat portion 20 comprises a base 21 and a backrest 22. It can also include a seat harness (not shown) comprising a strap extending from either side of the backrest 22 and one extending from the middle of the base 21 at the front thereof, in which all three straps meet in a 'T' – shaped clasp.

The chassis frame 10 includes two collars, 14a, 15a, one slideably received on each of the long sides 11a, 12a of the L-shaped chassis members 11, 12. Each collar 14a, 15a includes a pivot joint integrally formed therewith, and a backrest support stanchion 14, 15 is pivotably attached to each of the collar pivot joints 14a, 15a respectively, and extends therefrom. The backrest 22 is attached at either side to the backrest support stanchions 14, 15 and the backrest 22 is thereby pivotable about the collar pivot joints 14a, 15a.

The chassis 10 also includes a seat support stanchion 16 pivotably attached at one end by a pivot joint 16a to the short side 11b of the first L-shaped chassis member 11 at the rear of the chassis frame 10. The base 21 is rigidly secured to the other end of the seat support stanchion 16 and a lug 23 extends from the rear of the base 21. A hinge rod 23a extends through the lug 23 and each end of the hinge rod 23a extends through the backrest support stanchions 14, 15 respectively. The base 21 is thereby pivotable relative to the backrest support stanchions 14, 15 about said hinge rod 23a and lug 23.

The mechanism described above allows the seat portion 20 to be moveable from a collapsed position shown in Figures 2 and 4 in which the base 21 and backrest 22 lie

substantially flat against the chassis frame 10, to an operative position as shown in Figures 1, 3, 5 and 6 in which the seat portion 20 is erected and the plane of the base 21 is substantially at right angles to the plane of the backrest 22. The arrangement of the components is such that the backrest support stanchions 14, 15 and the seat support stanchion 16, are moveable relative to one another in a scissor-like action, wherein the central pivot point of the scissor action is the hinge rod 23a and the lug 23 on the base 21. The end of the seat support stanchion 16 remote from the base 21 is only pivotable relative to the chassis member 11, and is not moveable laterally relative to it. Therefore, to enable the scissor-action mentioned above, the collar pivot joints 14a, 15a, to which the backrest support stanchions 14, 15 are attached, slide along a section L_{11}, L_{12} of the chassis members 11, 12 respectively as the seat portion 20 is moved from the erect position to the collapsed position.

The chassis 10 further includes a horizontal axle shaft 31 that extends from the long side 11a of the first chassis member 11 through the long side 12a of the second chassis member 12 and protrudes a short distance out of the other side of the second chassis member 12. A section of the protruding end of the axle shaft 31 is threaded in order to receive a retaining nut 32. The wheel 30 includes a central aperture through which the protruding end of the axle shaft 31 can be received. The retaining nut 32 can then be screwed onto the threaded end of the axle shaft 31 to retain the wheel 30 in place whilst allowing it to be freely rotatable about the axle shaft 31. The wheel 30 is therefore easily removable from the axle shaft 31 by removal of the retaining nut 32. It will be appreciated that other such retaining means may be used instead of a screw thread and retaining nut, for example, a snap-fit retaining cap.

A clamp strut 17 is attached at one end to the first chassis member 11 and extends outwardly therefrom away from the second chassis member 12. An attachment clamp 18 is disposed on the other end of the clamp strut 17 and is operable to detachably clamp onto a frame of a conventional pushchair 2. Furthermore, a second attachment clamp 19 is disposed at the end of the short side 12b of the second chassis member 12, and, as with the first attachment clamp, is operable to

detachably clamp onto a frame of a conventional pushchair 2. The two attachment clamps 18, 19 together can thereby secure the device 1 of the invention to the side of the conventional pushchair 2. Each attachment clamp 18, 19 is pivotable relative to the clamp strut 17/chassis member 12 respectively, for reasons which will become apparent from the description hereafter.

The device 1 includes a locking mechanism 40 to enable the seat portion 20 of the device 1 to be retained in the erected operative position (see Figures 5 and 6). The locking mechanism 40 comprises a locking shaft 41 that extends between the slidable collar pivot joints 14a, 15a and is rotatable about its axis relative to the collar pivot joints 14a, 15a. The locking shaft 41 therefore restricts the movement of one collar pivot joint 14a relative to the other 15a, so they can only be moved together and in the same direction. Two locking arms 42, 43 are rigidly secured to the locking shaft 41 and extend rearwardly therefrom, substantially parallel to the long sides 11a, 12a of the chassis members 11, 12. Each arm 42, 43 includes a latch portion 42a, 43a at an end distal from the locking shaft 41. A fixed shaft 44 extends between the chassis members 11, 12 and parallel to the locking shaft 41, and is positioned rearwardly of the locking shaft 41 such that the latch portions 42a, 43a of the arms 42, 43 are just able to be clipped over the fixed shaft 44 and held in this locked position hooked over the fixed shaft 44 by friction therewith. Therefore, when the arms 42, 43 are in this locked position, the collar pivot joints 14a, 15a are prevented from sliding along sections L_{11}, L_{12} of the chassis members 11, 12 respectively, and thereby retain the seat portion 20 in the erect operative position.

As described above, the locking mechanism 40 enables the seat portion 20 of the device 1 to be locked in the erected operative position, and thereby capable of supporting a child thereon in a sitting position next to a child sitting in the pushchair 2 so that they are both facing in the same direction. When the device 1 is not in use, the locking mechanism 40 can be released by unclipping the latch portions 42a, 43a from the fixed shaft 44 and rotating the arms 42, 43 downwards. This can be done by pushing lever release tabs 42b, 43b which are formed on the end of the rotating arms 42, 43 perpendicular thereto and at the end distal from the latch portions 42a, 43a. This will allow the collar pivot joints 14a, 15a to freely slide

along sections L_{11}, L_{12} of the chassis members 11, 12 respectively. The base 21 and seat stanchion 16 can then pivot downwards about the pivot joint 16a, and the backrest 22 and backrest stanchions 14, 15 can pivot downwards about the collar pivot joints 14a, 15a, the backrest stanchions 14, 15 pivoting relative to the seat stanchion 16 about the hinge rod 23a in a scissor-like motion as described above, until the seat portion 20 of the device 1 is in the collapsed position.

Once the device 1 has been put into the collapsed position shown in Figures 2 and 4 and as described above, it can be folded up against the side of the conventional pushchair 2 into the storage position, as shown in Figure 7. This is possible due to the attachment clamps 18, 19 being pivotable relative the clamp strut 17/chassis member 12 respectively, as described above. Once the device 1 has been folded into this storage position, is can be held in place by a retaining means such as a clip (not shown).

With the device 1 in the storage position, the pushchair 2 has a much slimmer profile and will fit through normal doorways with ease. However, if a user wishes to neaten the appearance of the pushchair 2 and device 1 combination further, and make it even slimmer, they may unscrew the wheel retaining nut 32 and remove the wheel 30 from the axle shaft 31.

As can be seen in Figure 6, one of the advantages of the present invention is that when it is attached to a pushchair 2 and is not in the folded storage position, the wheel 30 of the device 1 is aligned with or is coaxial with wheels 3 of the pushchair 2. This means that the pushchair 2 and device 1 combination can be tilted backwards on all three wheels 30, 3 about their common contact line on the ground or their common axis, in order to get up a kerb, for example, and so is much more easily manoeuvrable than a conventional pushchair 2 would be with any of the other known add-on devices.

It is intended that the attachment clamps 18, 19 of the device 1 are suitable to attach to a frame of any conventional pushchair 2. However, some pushchairs currently available may not have side frames compatible with the attachment clamps

18, 19, and so it is envisaged that the device may be supplied with a replacement section of pushchair frame 4 that can be substituted for the relevant section of the original frame to allow the device to be attachable thereto. The specific replacement section of frame 4 could be pushchair-specific, so that a user could identify which pushchair they already own, and purchase a device of the present invention that comes with the appropriate replacement frame section.

In an alternative attachment mechanism to that described above, a universal supplementary section of frame 4 could be provided. This supplementary section 4 would be attachable to the attachment clamps 18, 19 and could further include pushchair-specific attachment means 5, 6 to couple the device 1, via the supplementary frame section 4, to the pushchair 2. Therefore, instead of replacing a section of the existing pushchair frame, there would be an additional section of frame 4. In this case, the user would identify which pushchair they already own, and purchase a device 1 of the present invention that comes with the appropriate pushchair-specific attachment means 5, 6 to enable the device 1 to be fitted to their pushchair 2.

In a further embodiment of the invention, a strap 7 may be connected between a top part 22a of the backrest 22 and a part of the pushchair 2 which is higher than the top 22a of the backrest 22 (see Figure 6). This strap 7 prevents the auxiliary seat device 1 from pivoting downwards about the attachment clamps 18, 19 relative to the pushchair 2 if the wheel 30 runs over a hole or drops off a kerb, for example. In such a scenario, the weight of the auxiliary seat device 1 (and a child thereon) is transferred through the strap 7 to the pushchair 2 and is balanced out by the weight of said pushchair 2 and of a child in the pushchair seat. It will be appreciated that this means of preventing the auxiliary seat device 1 from pivoting downwards beyond a certain angle does not necessarily need to be a strap 7 as shown in Figure 6. For example, a rigid rod could be used secured to the pushchair 2 and some suitable point on the auxiliary seat device 1.

Referring now to Figures 8 – 31, a second embodiment 100 of an add-on pushchair seat of the invention is shown. As with the first embodiment described above, the

second embodiment is also attachable to a frame of any conventional pushchair to provide a secondary side seat for a second child to sit on, in addition to a first child seated in the pushchair itself.

The second embodiment of an add-on seat 100 of the invention generally comprises a folding support frame 120 having a seat or base frame member 121 and a backrest frame member 122, and a wheel mechanism 140 including a wheel 145 in contact with the ground when the add-on seat 100 is in an operative position. An attachment mechanism 170 is provided to enable the add-on seat 100 to be secured to a conventional pushchair.

The base frame member 121 and the backrest frame member 122 are both substantially 'U'-shape frame members, each having a respective first (left-side) distal end 121a, 122a, and respective second (right-side) distal end 121b, 122b. The base frame member 121 and the backrest frame member 122 are pivotally connected to each other at their first distal ends 121a, 122a and at their second distal ends 121b, 122b by left and right hinge brackets 150, 160 respectively.

A seat covering 123 is attached to the base frame member 121, and a backrest covering 124 is attached to the backrest frame member 122 (see Figure 31). The seat covering 123 provides the seat for a child to sit on when the add-on seat 100 is in use, and the backrest covering 124 provides a surface for the seated child to lean against. Both the seat covering 123 and the backrest covering 124 are preferably made of a flexible material such as a fabric or a flexible plastic and are attached to each other at their adjacent edges 123a, 124a. The seat covering 123 and the backrest covering 124 are both tensioned across the base frame member 121 and backrest frame member 122 respectively. Alternatively, the seat covering and backrest covering could be made from a rigid plastic material.

A wheel mechanism 140 is connected to the folding support frame 120 at the hinge brackets 150, 160 and comprises a main wheel strut 141 pivotally attached at one end 141a to the right hinge bracket 160, and a diagonal bracing strut 142 pivotally attached at one end 142a to the left hinge bracket 150. The other end 142b of the

bracing strut 142 is secured to the other end 141b of the main wheel strut 141 by a V-shaped moulded connector 143. This enables the main wheel strut 141 and the bracing strut 142 to be pivotable together about the left and right hinge brackets 150, 160 from an operative position in which they extend away from the frame 120 (see Figures 8 – 11), to a collapsed position (see Figures 12 – 15) and a storage position (see Figures 16 – 19) in which they lie flat against the base frame member 121 of the folding support frame 120.

A third sliding wheel strut 144 is telescopically received in the main wheel strut 141 and is slidable relative thereto to move in and out thereof. A wheel 145 is rotatably and detachably attached to an axle 146 at the free end 144a of the sliding strut 144 remote from the main wheel strut 141. An axle bracket 146a is secured to the free end 144a of the sliding wheel strut 144 to support the axle 146 thereon. The sliding strut 144 is locked in a desired position within the main strut 141 by means of securing bolts 147a extending though the main strut 141 and through apertures 147b in the sliding strut 144. To alter the position of the sliding strut 144 within the main strut 141, and thereby the distance of the wheel 145 from the hinge brackets 150, 160, the securing bolts 147a are removed, the sliding strut 144 moved to the new position with the appropriate apertures 147b aligned with the bolts 147a in the main strut 141, and the bolts 147a are screwed in again through the apertures 147b. It will be appreciated that other unillustrated means of securing the sliding strut 144 within the main strut 141 are possible, for example, spring-biased buttons on the sliding strut 144 being received in apertures in the main strut 141. In such an embodiment, the sliding strut 144 could be adjusted by depressing the buttons into the sliding strut 144 so that they are clear of the holes in the main strut 141, and when the sliding strut 144 was located in the new desired position, the buttons would spring out into the nearest holes in the main strut 141 under spring bias to lock the sliding strut 144 in position.

The wheel 145 is releasably attached to the axle 146, and includes the attachement mechanism as shown in Figure 30. The wheel 145 comprises a tyre 145a attached to a rim 145b. The rim 145b has a spring-biased button 145c at its centre (see Figure 10 for example) which can be depressed into the rim 145b. The wheel also

comprises two bearings 148 and two over-lapping axle-plates 149a, 149b, each with a hole therethrough, all contained within the rim 145b by a retaining plate 145d. In use, the wheel 145 is secured to the axle 146 by depressing the button 145c which is configured so as to push the two axle-plates 149a, 149b together so that the holes in each plate are aligned. The axle 146 can then be passed through a hole in the retaining plate 145d, through the first bearing 148, through the aligned holes in the axle-plates 149a, 149b, and through the second bearing 148. The button 145c is then released and the axle-plates move apart under the action of resilient spring arms on their sides pushing against a portion of the rim 145b, and lips on the axle-plates 149a, 149b then locate in a circumferential groove (not shown) in the axle 146 to hold the wheel 145 onto the axle 146. To release the wheel 145 from the axle 146, the process described above is reversed.

The left and right hinge brackets 150, 160 will now be described in more detail with reference to Figures 20 – 23. The left hinge bracket 150 comprises a housing plate 151, a backrest arm 152 and a wheel strut arm 153. The backrest arm 152 and the wheel strut arm 153 each include an integrally formed toothed cog portion 152a, 153a, and are rotatably secured to the housing plate 151 with the teeth of each cog portion 152a, 153a meshing. Therefore, when one arm is rotated, it causes the other arm to rotate. In use, the left side distal end 122a of the backrest frame member 122 is secured in an aperture in the backrest arm 152, and the one end 142a of the diagonal bracing strut 142 is secured in an aperture in the wheel strut arm 153. The housing plate 151 includes an aperture 151a which, in use, receives the left distal end 121a of the base frame member 121. The toothed cog portion 152a of the backrest arm 152 also includes a central aperture 152c, around which ratchet ridges 152d are radially arranged. A ratchet plate 154 is connected to the toothed cog portion 152a and has its own set of ratchet ridges 154a which engage with the ratchet ridges 152d of the toothed cog portion 152a so that the ratchet plate 154 rotates when the toothed cog portion 152a of the backrest arm 152 rotates. A wire guide 155 is attached to the side of the ratchet plate 154 remote from the toothed cog portion 152a, and a wire 156 extends from the ratchet plate 154, through the wire guide 155 and through a guide lug 151b on the left housing plate 151. The wire 156 is attached to the ratchet plate 154 such that when the left backrest arm 152 is

pivoted from the operative position to the collapsed position, the wire 156 is pulled through the wire guide 155 and though the guide lug 151b, for reasons which will be explained in more detail below.

The right hinge bracket 160 is similar to the left hinge bracket 150 and comprises a backrest arm 162 and a wheel strut arm 163. The backrest arm 162 and the wheel strut arm 163 each include an integrally formed toothed cog portion 162a, 163a, and are rotatably secured to the housing plate 161 with the teeth of each cog portion 162a, 163a meshing. Therefore, when one arm is rotated, it causes the other arm to rotate. In use, the right side distal end 122b of the backrest frame member 122 is secured in an aperture in the backrest arm 162, and the one end 141a of the main wheel strut 141 is secured in an aperture in the wheel strut arm 163. The housing plate 161 includes an aperture 161a which, in use, receives the right distal end 121b of the base frame member 121. Any suitable means may be used to secure the backrest frame member 122 in the backrest arms 152, 162 and the diagonal bracing strut 142 and the main wheel strut 141 in the wheel strut arms 153, 163, such as screws, rivets or bolts. Similarly, the same suitable means can be used to secure the base frame member 121 to the apertures 151a, 161a in the left and right housing plates 151, 161 respectively.

The above arrangement allows the base and backrest frame members 121, 122 to be pivotable relative to one another about the hinge brackets 150, 160 from an operative position (see Figures 8 – 11), in which each frame member 121, 122 is spaced from the other, to a collapsed position and a storage position, in which the backrest frame member 122 is folded substantially flat and lies against the base frame member 121 (see Figures 12 - 19). In the operative position, the backrest arms 152, 162 and the wheel strut arms 153, 163 extend away from each other (see Figures 20A and 22A) and are at their maximum angular displacement from the base frame member 121, limited by end faces 152b, 162b of the backrest arms 152, 162 adjacent the toothed cog portions 152a, 162a, contacting end faces 153b, 163b of the wheel strut arms 153, 163 adjacent the toothed cog portions 153a, 163a (indicated at arrows 'A'). In the collapsed position and the storage position, the backrest arms 152, 162 and the wheel strut arms 153, 163 lie close to each other

either side of their respective housing plate 151, 161 (see Figures 20B and 22E). The backrest arms 152, 162 and the wheel strut arms 152, 163 can be locked in the operative or storage position by a locking mechanism, described in detail below.

The right hinge bracket 160 includes a locking mechanism to lock the backrest arm 162 and the wheel strut arm 163 in a chosen position relative to each other. The locking mechanism comprises a locking plate 164 with a central post 164a, a spring 165 and a locking lever 166. The toothed cog portion 162a of the backrest arm has a central aperture 162c, around which ratchet ridges 162d are radially arranged. The locking plate 164 has a corresponding set of ratchet ridges (not shown) radially disposed around where the central post 164a joins the locking plate 164. The ratchet ridges 162d are located on the side of the toothed cog 162a that faces the ratchet ridges on the locking plate 164. The backrest arm 162 is rotatably attached to the housing plate 161 by the post 164a of the locking plate 164 passing though the spring 165, through the aperture 162c in the centre of the toothed cog portion 162a, through an aperture 161b in the housing plate 161 and is secured to the locking lever 166 by a pin 167 which extends though the locking lever 166 and through an aperture in the end of the post 164a.

Once assembled as described above, the locking lever 166 is pivotable about the pin 167. However, the distance $D_{unlocked}$ between the axis of the pin 167 and an upper angled face 166b of the locking lever 166 is less than a distance D_{locked} between the axis of the pin 167 and a rear face 166c of the locking lever 166. Therefore, when the locking lever 166 is moved from a locked position (see Figures 22A and 22E) to an unlocked position (see Figures 22C and 22D), the locking lever 166 acts as a cam against the housing plate 161 and the pin 167 moves towards the housing plate 161 by a distance equal to $[D_{locked} - D_{unlocked}]$. This moves the post 164a and therefore the locking plate 164 away from the toothed cog portion 162a by a corresponding distance which is sufficient to ensure that the two sets of ratchet ridges are spaced from one another. The backrest arm 162 and the wheel strut arm 163 are therefore free to rotate relative to the housing plate 161. The spring 165 ensures that the locking plate 164 is held away from the toothed cog portion 162a when the locking lever 166 is in the unlocked position.

When the locking lever 166 is moved from the unlocked position to the locked position, the cam action moves the pin 167 by a distance equal to $[D_{locked} - D_{unlocked}]$ away from the housing plate 161. This pulls the central post 164a and the locking plate 164 towards the toothed cog portion 162a and the ratchet ridges 162d on the toothed cog portion 162a into engagement with the ratchet ridges on the locking plate 164. Neither the locking plate 164 nor the locking lever 166 can rotate about the axis of the central post 164a. The locking plate 164 is shaped to abut a portion of the housing plate 161 and is thereby prevented from rotating relative to the housing plate 161. The wheel strut arm 163 is rotatably attached to the housing plate 161 by a shaft 168. The end of the shaft 168 proximate the locking lever 166 has a mushroom head 168a which projects from the end of the shaft 168 away from the wheel strut arm 163. The locking lever 166 includes a locking aperture 166a to receive the mushroom head 168a at the end of the shaft 168, and a latch mechanism within the locking lever 166 (not shown) engages with the rim of the mushroom head 168a to secure the locking lever 166 thereto. The locking lever also includes a release button 169 which disengages the latch mechanism from the mushroom head 168a to allow the locking lever to be pivoted about the pin 167 as described above. Therefore, when the locking lever 166 is secured to the mushroom head 168a at the end of the shaft 168 as described above, it is unable to rotate about the axis of the central post 164a. As a result, the backrest arm 162 and the wheel strut arm 163 are locked in position until the locking lever 166 is again moved to the unlocked position as described above, so that the ratchet ridges are moved out of engagement with each other. As the backrest frame member 122 connects the left backrest arm 152 to the right backrest arm 162, and the wheel struts 141, 142 connect the left wheel strut arm 153 to the right wheel strut arm 163, the locking mechanism locks the movement of the both the wheel mechanism 140 and the backrest frame member 122 about the hinge brackets 150, 160.

The add-on seat 100 is provided with an attachment mechanism 170 to enable it to be secured to a conventional pushchair. The attachment mechanism 170 comprises front and rear pushchair clamps 171, 172, a connection bar 190, and front and rear hinges 191, 192. The pushchair clamps 171, 172 can be secured to a side frame of a

pushchair and are releasably attachable to the connection bar 190. They are also designed to be able to be securely attached to pushchair frames of different cross-sections and dimensions, for example, they can attach to circular, oval, square and rectangular cross-section pushchair frames. The front and rear hinges 191, 192 are pivotally attached to the base frame member 121 and also to the connection bar 190. Therefore, when the two pushchair clamps 171, 172 are secured to the pushchair frame and to the connection bar 190, and the two hinges 191, 192 are secured to the base frame member 121 and to the connection bar 190, the add-on seat 100 is secured to the pushchair.

The connection bar 190 may also be provided with an articulated section 190a (see Figures 9 and 10) which is of the same cross-sectional dimension as the connection bar 190, but which is connected to one end thereof by an articulated joint 190b to be pivotable about a vertical axis of the joint 190b relative to the connection bar 190. This articulated section is designed to enable the add-on seat 100 to be connected to a pushchair whose side frame may not lie parallel with the forward direction of travel of the pushchair. For example, modern three-wheeled pushchairs have two rear wheels and the side frames taper inwards towards a single front wheel. To enable the add-on seat 100 to be attached to such a pushchair, the rear pushchair clamp 172 can be connected to the rear of the side frame of the pushchair and to the rear of the connection bar 190, and the front pushchair clamp 171 can be connected to the front of the pushchair and to the articulated section 190a of the connection bar 190, so that the front pushchair clamp 171 and articulated section 190a would be inset from the rear pushchair clamp 172 due to the shape of the pushchair. The articulated section 190a of the connection bar 190 would thus be pivoted towards the pushchair at an angle to the connection bar 190. The add-on seat 100 would still be secured to the pushchair, but the connection bar 190, and therefore the folding support frame 120 and wheel mechanism 140, would be in alignment with the direction of travel of the pushchair, and not angled inwards parallel to the tapered side of the pushchair. It will be appreciated that the articulated section 190a could equally be connected to the rearmost end of the connection bar 190 instead of the front end if necessary, for example, if the side of

the pushchair to which is it so be attached, tapered inwardly towards the rear of the pushchair.

The two pushchair clamps 171, 172 are identical and so only one will be described in detail hereafter. The pushchair clamps 171, 172 comprise a first body 173 with a flexible metal band 174 ridgedly secured at one end 174a to one side of the first body 173, and the other free end 174b removably received in an aperture 173a in the opposite side of the first body 173. The aperture 173a houses a threaded screw 175 and the other free end 174b of the band 174 is received in the aperture 173a in contact with the threaded screw 175. The side of the band 174 adjacent the threaded screw 175 is provided with a series of parallel grooves 174c which cooperate with the thread of the threaded screw 175 such that when the threaded screw 175 is turned clockwise, the band 174 is pulled through the aperture 173a, reducing the size of the loop of band 174 between the rigidly secured one end 174a of the band 174 and the threaded screw 175. Conversely, when the threaded screw is turned anticlockwise, the other free end 174b of the band 174 is pushed through the aperture 173a, enlarging the size of the loop of band 174 between the rigidly secured one end 174a of the band 174 and the threaded screw 175, until the other end 174b of the band 174 is pushed free of the threaded screw 175. This function is similar to that of known 'jubilee clips'.

A second body 176 is secured to the first body 173 and can rotate relative to the first body 173 so that the second body 176 can be positioned in a specific orientation about a horizontal axis, regardless of at which angle the first body 173 is secured to a pushchair. The second body 176 includes a front opening to an internal cavity, and an upper and lower circular hole 176a, 176b in the upper and lower faces respectively leading to the internal cavity. A shaft 177 is disposed vertically within the internal cavity and includes side wings 177a which are received in corresponding slots 177b in the side walls of the internal cavity. A bolt 178 extends through a hole in the middle of the shaft 177 and through the rear wall of the second body portion 176, and is secured to the first body portion 173, providing the rotateable coupling described above. Upper and lower ends of the shaft 177 are provided with buttons 179a, 179b respectively, which are slidably received thereon and biased away from

each other by upper and lower springs 180a, 180b respectively. When assembled, the upper and lower buttons 179a, 179b extend through the upper and lower holes 176a, 176b and are prevented from being pushed all of the way through their respective hole by a lip 181a, 181b at the base of each button which abuts the rim of the hole 176a, 176b on the inside of the internal cavity.

The pushchair clamps 171, 172 further include a third body 182 comprising a box section with a rectangular aperture 183 therethrough, and upper and lower arms 184a, 184b extending perpendicularly from the upper and lower faces of the box section. Each arm 184a, 184b has a circular aperture 185a, 185b therethrough sized slightly larger than the diameter of the buttons 179a, 179b of the second body 176. The third body 182 can be releasably secured to the second body 176 by depressing the buttons 179a, 179b towards each other so that they sit within the apertures 176a, 176b, and then sliding the third body 182 to engage with the second body 176 with the upper and lower arms 184a, 184b above and below the upper and lower surfaces of the second body 176. When the upper and lower circular holes 176a, 176b in the second body 176 are aligned with the upper and lower circular apertures 185a, 185b in the arms 184a, 184b respectively, the buttons 179a, 179b can spring outwards under the biasing force of the springs 180a, 180b through both upper and lower holes 176a, 176b and upper and lower apertures 185a, 185b to secure the second and third bodies 176, 182 together.

The front and rear hinges 191, 192 are similar to each other and will be described in detail hereafter. Both hinges 191, 192 comprise a first part 193 and a second part 194, pivotally connected to one another by a hinge rod 195 and pivotable relative to one another from an operative position in which the first and second part 193, 194 lie adjacent to each other, to a storage position in which the first and second parts 193, 194 extend away from each other.

The first part 193 has a rectangular aperture 193a therethrough of the same cross sectional dimension as that of the base frame member 121 to allow, in use, the base frame member 121 to make a press fit in the aperture 193a to be secured thereto. The second part 194 has a rectangular aperture 194a therethrough of the same cross

sectional dimension as that of the connection bar 190 to allow, in use, the connection bar 190 to make a press fit in the aperture 194a to be secured thereto.

The first part 193 of the rear hinge 192 has a latch plate 198 which is received in a slot 196 in the bottom of the first part 193, and is spring biased out of the slot 196. The latch plate 198 is prevented from being pushed out of the slot 196 by a small retaining pin 198a which is located in a small vertical slot 193b in the side of the first part 193 of the hinge 192. The second part 194 has a flange 197 extending perpendicularly from the side of the second part 194 opposite the latch plate 198, and an upstanding lip 197a extends from the flange 197. As the hinge 192 is pivoted to the operative position, the lip 197a contacts the latch-plate 198 and pushes it upwards against the force of the spring bias, until the lip 197a passes the latch plate 198 and the latch plate 198 clicks into place between the lip 197a and the second part 194 of the hinge 192. The hinge 192 is thereby retained in the operative position until the latch plate 198 is lifted up and retracted into the slot 196 to release the lip 197a and allow the first and second parts 193, 194 to pivot freely. The latch plate 198 is attached to the wire 156 from the left hinge bracket 150 at a wire fastening point 198b on the top of the latch plate 198. The wire 156 extends from the wire fastening point, through the slot 196, out of the first part 193 of the rear hinge 192 and to the guide lug 151b, the wire guide 155 and ratchet plate 154 as described previously. Therefore, when the wire 156 is pulled by rotation of the ratchet plate 154 on rotation of the backrest arm 152, the latch plate 198 is pulled upwards in the direction of arrow 'B' into the slot.

The front hinge 191 does not have the latch plate 198 and lip 197a arrangement of the rear hinge 192. Instead, the front hinge only has a flange without an upstanding lip, and when the front hinge 191 is in the operative position, a lower face of the first part 193 sits on the flange 197 and is supported by it, but is not locked in that position. However, it is possible, in an alternative embodiment of the invention, for both front and rear hinges 191, 192 to include the latch 198 and lip 197a arrangement of the rear hinge 192.

The pushchair also includes a footrest 200, comprising a foot plate 201 and two support arms 202 pivotably attached to the base frame member 121. The footrest 200 can pivot from an operative position in which a seated child can rest their feet on the foot plate 201 (see Figures 8 – 11), to a folded position in which the footrest 200 is folded flat against the base frame member 121 (see Figures 12 – 19). The footrest 200 can be retained in the folded position by the wheel struts 153, 163 sandwiching it between them and the base frame member 121. The footrest also includes two wires or strings 203 extending from the footplate 201, or proximate the footplate 201, to the base frame member 121 to limit the maximum degree to which the footrest 200 can pivot away from the base frame member 121.

The add-on pushchair seat 100 of the invention is used as described hereafter. First, the two pushchair clamps 171, 172 are secured to the side frame of a pushchair. Once in place, the clamps 171, 172 are designed to remain secured to the pushchair at all times, even when the add-on seat 100 is not attached to the pushchair, and also when the pushchair itself is folded away for storage. The pushchair clamps 171, 172 are secured to the pushchair by unscrewing the threaded screw 175 so that the free end 174b of the steel band 174 is free of the first body 173. The steel band is then passed around an appropriate part of the pushchair frame and the free end 174b of the band 174 pushed into the aperture 173a so that the grooves 174c in the band 174 engage with the thread of the screw 175. The threaded screw 175 is then rotated clockwise to pull the band through the aperture 173a in the first body 173, which tightens the band 174 around the frame of the pushchair and grips the frame clamp 171, 172 thereto. An important feature of this system is that the pushchair clamps 171, 172 are attachable to pushchair frames of varying shapes and sizes, allowing the add-on seat 100 of the invention to be universally used with any commercially available pushchair. Although the add-on seat is adjustable to allow the pushchair clamps to be positioned at a range of heights on the side of the pushchair frame, it is important that each pushchair clamp 171, 172 is placed at the same height as the other.

Next, the second bodies 176 are rotated about their securing bolts 178 so that each one is positioned with the upper button 179a directly above the lower button 179b

and the axis of the shaft 177 lying vertically. The two third bodies 182 are secured to the connection bar 190 and/or the articulated section 190a of the connection bar 190 if necessary, with the connection bar 190 and articulated section 190a making a press fit in the rectangular apertures 183. The third bodies 182 can be forced to slide along the connection bar 190 and articulated section 190a against the resistance of the press fit, so that they are horizontally spaced to align with the first and second bodies 173, 176 on the pushchair. The third bodies 182 are then attached to the second bodies 176 as described above, by depressing the upper and lower buttons 179a, 179b, sliding the upper and lower arms 184a, 184b above and below the upper and lower surfaces of the second bodies 176, and releasing the buttons 179a, 179b so that they spring though the upper and lower holes 176a, 176b in the second bodies 176, and also through the upper and lower apertures 185a, 185b in the arms 184a, 184b respectively. The third bodies 182 are thereby secured to the first and second bodies 173, 176, and so the connection bar 190 and articulated section is secured to the pushchair frame. As described above, the hinges 191, 192 are also secured to the connection bar 190 and to the base frame member 121, thereby connecting the whole add-on seat 100 to the pushchair.

The add-on seat 100 must be adjusted so that it is positioned correctly with respect to the pushchair. First the whole device is folded into the operative position as shown in Figures 8 – 11, with hinges 191, 192 in the operative position so the base frame member 121 is positioned in a horizontal plane, the backrest frame member 122 folded away from the base frame member 121, and the wheel mechanism 140 fully folded away from the base frame member 121. Next, the sliding wheel strut 144 is telescopically adjusted within the main wheel strut 141 until the wheel 145 contacts the ground. It will be appreciated that if the pushchair clamps 171, 172 are positioned either higher or lower on the pushchair frame, the sliding wheel strut 144 will need to be either extended out of, or retracted into the main wheel strut 141 for the wheel 145 to contact the ground. Once the sliding wheel strut 144 is in the correct position, it is secured in that position by the securing bolts 147a extending though the main strut 141 and through apertures 147b in the sliding strut 144. Finally, the add-on seat 100 is positioned so that the wheel 145 is aligned with the rear wheels of the pushchair to which it is attached. This can be done by sliding

either the hinges 191, 192 along the connection bar 190 and/or articulated section 190a, or by sliding the third bodies 182 of the pushchair clamps 171, 172 along the connection bar 190. This allows the add-on seat 100 to be moved forwards or backwards with respect to the pushchair, until the correct position is obtained.

It is an important feature of the add-on seat 100 of the invention that it is constructed so that the rear wheel 145 and axle 146 can be positioned in line with and/or co-axial with the rear wheels of the pushchair. This enables the pushchair and attached add-on seat 100 to easily mount kerbs because a user can tilt the pushchair backwards towards themselves so that the pushchair and add-on seat 100 all pivot about a common axis – i.e. the line of contact on the ground of the pushchair wheels and the add-on seat 100 wheel 145. If the wheel 145 of the invention is not aligned with the rear wheels of the pushchair, the combined apparatus of the pushchair and add-on seat 100 would not tilt backwards (or forwards, to descend kerbs) easily.

It will be appreciated that if the height at which the add-on seat 100 is attached on the pushchair is changed, then the extension of the sliding wheel strut 144 within the main wheel strut 141, and the position of the base frame member 121 relative to the pushchair will have to be changed if the wheel 145 is to remain in line/co-axial with the rear wheels of the pushchair. More specifically, if the pushchair clamps 171, 172 are positioned higher up on the pushchair, the sliding wheel strut 144 will need to be extended out of the main wheel strut 141 further so that the wheel 145 contacts the ground, and consequently, the wheel 145 will be positioned further back relative to the pushchair. The base frame member 121 will then need to be moved forwards relative to the pushchair to re-align the wheel 145 with the wheels of the pushchair. Conversely, if the pushchair clamps 171, 172 are positioned lower down on the pushchair, the sliding wheel strut 144 will need to be retracted into the main wheel strut 141 for the wheel 145 to contact the ground, and consequently, the wheel 145 will be positioned further forwards relative to the pushchair. Therefore, the base frame member 121 will then need to be moved backwards relative to the pushchair to re-align the wheel 145 with the wheels of the pushchair.

Once in this operative position, the backrest frame member 122 is locked relative to the base frame 121 by the cam action of the locking lever 166 pulling the ratchet ridges of the locking mechanism into engagement as described above. The locking lever 166 is also held in the locked position by the internal latch engaging with the mushroom head 168a of the shaft 168 of the right hinge bracket 160, as described above. A child can then sit on the seat covering 123 with their back against the backrest covering 124 to be transported around on the add-on seat.

When the pushchair is to be used to carry only one child and the add-on seat 100 is not required, the add-on seat 100 can be folded from the operative position to a collapsed position (as shown in Figures 12 – 15) and then folded up to a storage position (as shown in Figures 16 - 19) as described hereafter.

The release button 169 is depressed (Figure 22B), releasing the internal latch within the locking lever 166 which allows the locking lever 166 to pivot about the pin 167 (Figure 22C) and free the mushroom head 168a of the shaft 168 from the locking aperture 166a. As described above, this cam action of the locking lever 166a allows the locking plate 164 to move away from the toothed cog portion 162a of the backrest arm 162 under the biasing force of the spring 165, and thereby disengage the ratchet ridges 162d on the toothed cog portion 162a from the ratchet ridges on the locking plate 164. This allows the two backrest arms 152, 162 and the two wheel strut arms 153, 163 to pivot about the hinge brackets 150, 160 respectively (Figure 22D), and therefore allows the associated backrest frame member 122 and wheel mechanism 140 to pivot about the hinge brackets 150, 160.

The wheel mechanism 140 and the backrest frame member 122 can then be folded into the collapsed position in which they both lie flat against the base frame member 121 (see Figures 12 – 15). Once in this collapsed position, the locking lever 166 can be pivoted back to the locked position (Figure 22E), pulling the locking plate 164 back towards the locking lever 166 and thereby engaging the ratchet ridges 162d on the toothed cog 162a with the ratchet ridges on the locking plate 164. This locks the backrest arms 152, 162 and associated backrest frame member 122, and the wheel strut arms 153, 163 and associated wheel mechanism 140, in the collapsed

position. As mentioned previously, the footrest 200 is folded up with the wheel mechanism 140 in the collapsed position and is held between the main and bracing wheel struts 141, 142 and the base frame member 121.

Once in the collapsed position as described above, the add-on seat 100 can be folded up against the side of the pushchair into the storage position (see Figures 16 – 19). By moving the backrest frame member 122 to the folded collapsed position as described above, the wire 156 is pulled though the wire guide 155 and though the guide lug 151b, which pulls the latch plate 198 into the slot 196 in the rear hinge 192 to release the lip 197a, and thereby release the second part 194, of the rear hinge 192 from the first part 193. The collapsed folding support frame 120 and wheel mechanism 140 can then be pivoted upwards about the front and rear hinges 191, 192 to the storage position to lie flat against the side of the pushchair in a substantially vertical plane.

The add-on seat can be retained in the storage position described above by using a strap (not shown) to hold it to the pushchair. In addition, the wheel 145 can be removed from the axle as described above, and attached to a 'false axle' 146b protruding from the side of the connection bar 190 (see Figures 16 and 18). The side of the wheel 145 thereby abuts the hinges 191, 192 and prevents them from pivoting back to the operative position.

If the pushchair is to be transported, for example, in the boot of a car, it will most probably be necessary to remove the main body of the add-on seat 100 from the pushchair to allow the pushchair to be folded. This is done by detaching the third bodies 182 from the second bodies 176 of the pushchair clamps 171, 172 as described above. The only part of the add-one seat 100 that then remains attached to the pushchair is the first and second bodies 173, 176 of the pushchair clamps 171, 172 which are intended to be small enough to not hinder the folding mechanism of modern pushchairs.

Other unillustrated embodiments of the present invention may include additional features or accessories. For example, a rain cover could be provided, attachable to

the auxiliary seat device 1/100, to partially or entirely surround a child seated on the device to shelter the child from wind/rain/sleet/snow. The rain cover could incorporate a supporting frame structure attachable to the device. Alternatively, the device could be provided with a sunshade or parasol.

The add-on seat 1/100 would preferably include a seat belt or a 3- or 5- point safety harness to secure around the child's waist and/or shoulders when seated, to prevent the child from falling off the seat and being injured.

The wheel struts 141, 142, 144 and folding frame members 121, 122 are intended to be made from light-weight steel tubing for optimum strength and rigidity, whilst also remaining light enough to carry easily. This also has the benefit of minimising the weight of the accessory exerted on the side of the pushchair so that when it is in the storage position, it does not cause the pushchair to tip over. It is also envisaged that the seat cover 123 and the backrest cover 124 are easily removable for cleaning, and replaceable when worn or to change the aesthetic appearance of the invention.

In addition to the functional accessories mentioned above, the auxiliary seat device 1 may also include an accessory intended to amuse the child whilst the child is in the seat. This could include a toy steering wheel or dashboard arrangement, or a hobby-horse style attachment positionable in front of the child.

Claims

1. An auxiliary seat attachable to a pushchair to enable it to accommodate two children seated side-by-side, the seat comprising a frame having a backrest and a base and a wheel in contact with the ground in an operative position to support a child seated on the base with their back against the backrest, wherein the frame is configured so that the backrest and the base fold substantially flat when the auxiliary seat is not in use and wherein the auxiliary seat, including the base and backrest, can pivot relative to the pushchair to be folded against the side thereof in a storage position with the wheel off the ground, once the base and backrest of the seat have been folded substantially flat.

2. An auxiliary seat according to claim 1 wherein the base and the backrest are pivotable relative to one another such that they are collapsible from the erect operative position to the collapsed folded position by means of a scissor-like mechanism.

3. An auxiliary seat according to claim 2 wherein the scissor-like mechanism includes at least one sliding joint to enable the base and backrest to be erected and collapsed.

4. An auxiliary seat according to claim 3 wherein the backrest is attached to one end of a first support strut and the base is attached to one end of a second support strut, and in which said first and second support struts are pivotable relative to each other and the end of the first support strut remote from the backrest is connected to the at least one sliding joint.

5. An auxiliary seat according to any preceding claim comprising a locking mechanism to retain the seat in the erect operative position.

6. An auxiliary seat according to claim 3 or claim 4 comprising a locking mechanism to retain the seat in the erect operative position and which locks the at least one sliding joint in place.

7. An auxiliary seat according to claim 6 wherein the locking mechanism comprises a latch extending from the at least one sliding joint, operable to lock onto a fixed shaft on the frame.

8. An auxiliary seat according to claim 7 wherein the latch is located at one end of an arm, the arm rotatably mounted to the at least one sliding joint and operable to move from a first locked position in which the latch snags on the fixed shaft, to a second unlocked position in which the latch is clear of the fixed shaft to allow movement of the at least one sliding joint.

9. An auxiliary seat according to claim 1 wherein the backrest and the base are pivotably connected to one another by hinge joints to be pivotable from the erect operative position to the collapsed storage position in which the backrest lies flat against the base.

10. An auxiliary seat according to claim 9 wherein the base comprises a base frame and a seat coving attached thereto.

11. An auxiliary seat according to claim 9 or claim 10 wherein the backrest comprises a backrest frame with a backrest covering attached thereto.

12. An auxiliary seat according to any of claims 9 – 11 wherein the wheel is secured to the frame by a pivotable wheel mechanism which can pivot from an extended operative position to a folded storage position in which the wheel mechanism lies substantially flat against the frame.

13. An auxiliary seat according to claim 12 wherein the wheel mechanism includes a telescopic strut to allow the distance of the wheel from the frame to be telescopically adjusted independently of the pivoting of the wheel mechanism between the operative position and the storage position.

14. An auxiliary seat according to claim 13 wherein the telescopic strut includes a locking mechanism to lock the strut in the desired position.

15. An auxiliary seat according to any of claims 12 to 14 wherein, in the storage position, the wheel mechanism lies flat against the base on the opposite side thereto to the backrest.

16. An auxiliary seat according to any of claims 12 to 15 wherein the wheel mechanism is connected to the frame at said hinge joints.

17. An auxiliary seat according to claim 16 wherein the backrest and the wheel mechanism are mechanically connected to one another to be moveable together between their respective operative position and their folded storage position.

18. An auxiliary seat according to claim 16 wherein at least one hinge joint includes a locking means to lock the backrest in the operative position or in the storage position.

19. An auxiliary seat according to claim 17 wherein at least one hinge joint includes a locking means to lock the backrest and the mechanically associated wheel mechanism in the operative position or in the storage position.

20. An auxiliary seat according to claim 18 or claim 19 wherein the locking means includes a pair of ratchet plates operated by a cam lever to move from a locked position in which the ratchets of each plate engage with each other, to an unlocked position in which the ratchets of each plate are out of engagement with each other to allow the backrest and/or wheel mechanism to pivot about the hinge joints.

21. An auxiliary seat according to any preceding claim wherein the frame is attached to the pushchair by a first clamping means extending from one side of the frame.

22. An auxiliary seat according to claim 21 wherein the first clamping means is attached to a first support strut which is hingedly attached to the frame.

23. An auxiliary seat according to claim 21 or claim 22 wherein the frame is further attached to the pushchair by a second clamping means extending from said one side of the frame.

24. An auxiliary seat according to claim 23 wherein the second clamping means is hingedly attached to the frame.

25. An auxiliary seat according to claim 23 or claim 24 wherein the first and second clamping means are attachable to a supplementary pushchair frame bar which includes further attachment means operable to fix the bar and seat attached thereto, to the conventional pushchair.

26. An auxiliary seat according to claim 23 or claim 24 wherein the first and second clamping means are attachable to a replacement pushchair frame bar which can be fitted in place of an existing section of frame of a conventional pushchair to fix the seat thereto.

27. An auxiliary seat according to any of claims 1 – 20 including at least one clamp to secure the add-on seat to a frame of a pushchair.

28. An auxiliary seat according to claim 27 wherein the at least one clamp is attached to a connection bar, and the frame is attached to the connection bar by at least one hinge connector to be pivotable relative to the connection bar.

29. An auxiliary seat according to claim 28 wherein the at least one clamp and/or the at least one hinge connector are slidable relative to the connection bar to allow the position of the frame to be adjusted relative to the pushchair.

30. An auxiliary seat according to claim 28 or 29 wherein the frame, at least one hinge connector and connection bar are releasably attached to the at least one clamp.

31. An auxiliary seat according to any of claims 28 to 30 wherein the at least one hinge connector includes a locking mechanism to lock the auxiliary seat in the operative position.

32. An auxiliary seat according to any preceding claim which is releasably attachable to said pushchair.

33. An auxiliary seat according to any preceding claim wherein the at least one wheel is detachable.

34. An auxiliary seat according to any preceding claim including locking mechanism to secure the auxiliary seat in the storage position.

35. An auxiliary seat according to any preceding claim wherein the at least one wheel is positioned such that when the auxiliary seat is mounted on the pushchair in an operative position, the at least one wheel is in alignment with a rear wheel of the pushchair.

36. An auxiliary seat according to any preceding claim wherein the at least one wheel is positioned such that when the auxiliary seat is mounted on the pushchair in an operative position, an axle of the at least one wheel is coaxial with an axle of a rear wheel of the pushchair.

37. An auxiliary seat according to any preceding claim attachable to a pushchair to enable two children to be seated side-by-side and facing the same direction.

38. An auxiliary seat according to any preceding claim wherein the seat includes a safety harness to retain a child in position thereon.

39. An auxiliary seat according to any preceding claim including a rain cover attached to the seat to at least partially surround a child sitting on the seat.

40. An auxiliary seat according to any preceding claim including a sunshade attached to the seat to shade a child sitting on the seat.

41. An auxiliary seat according to any preceding claim including a toy steering wheel positionable in front of a child sitting on the seat.

42. An auxiliary seat according to any preceding claim including a toy hobby-horse style attachment positionable in front of a child sitting on the seat.

43. A pushchair incorporating an auxiliary seat according to any preceding claim.

44. An auxiliary seat substantially as hereinbefore described with reference to the accompanying drawings.

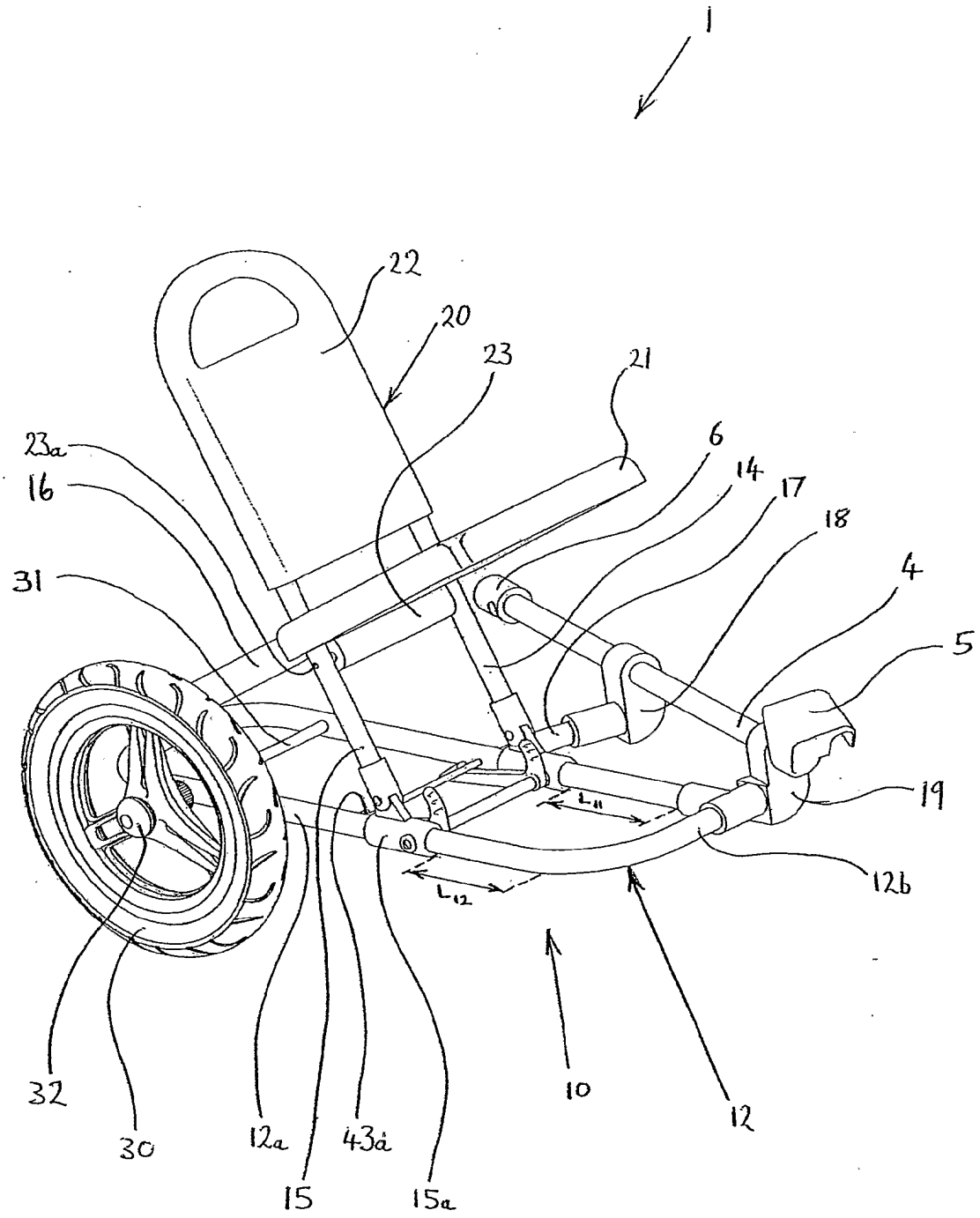


FIGURE 1

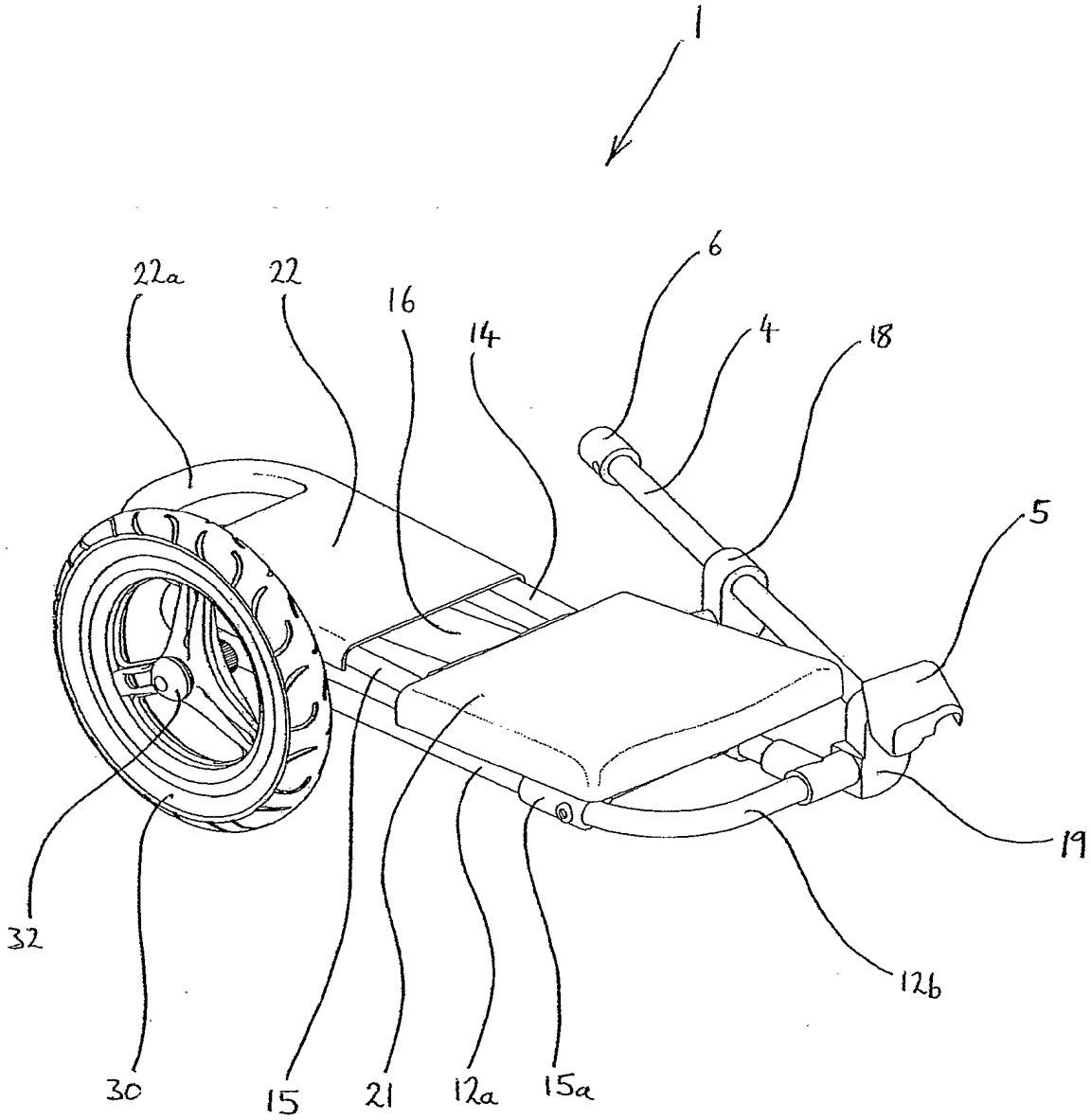


FIGURE 2.

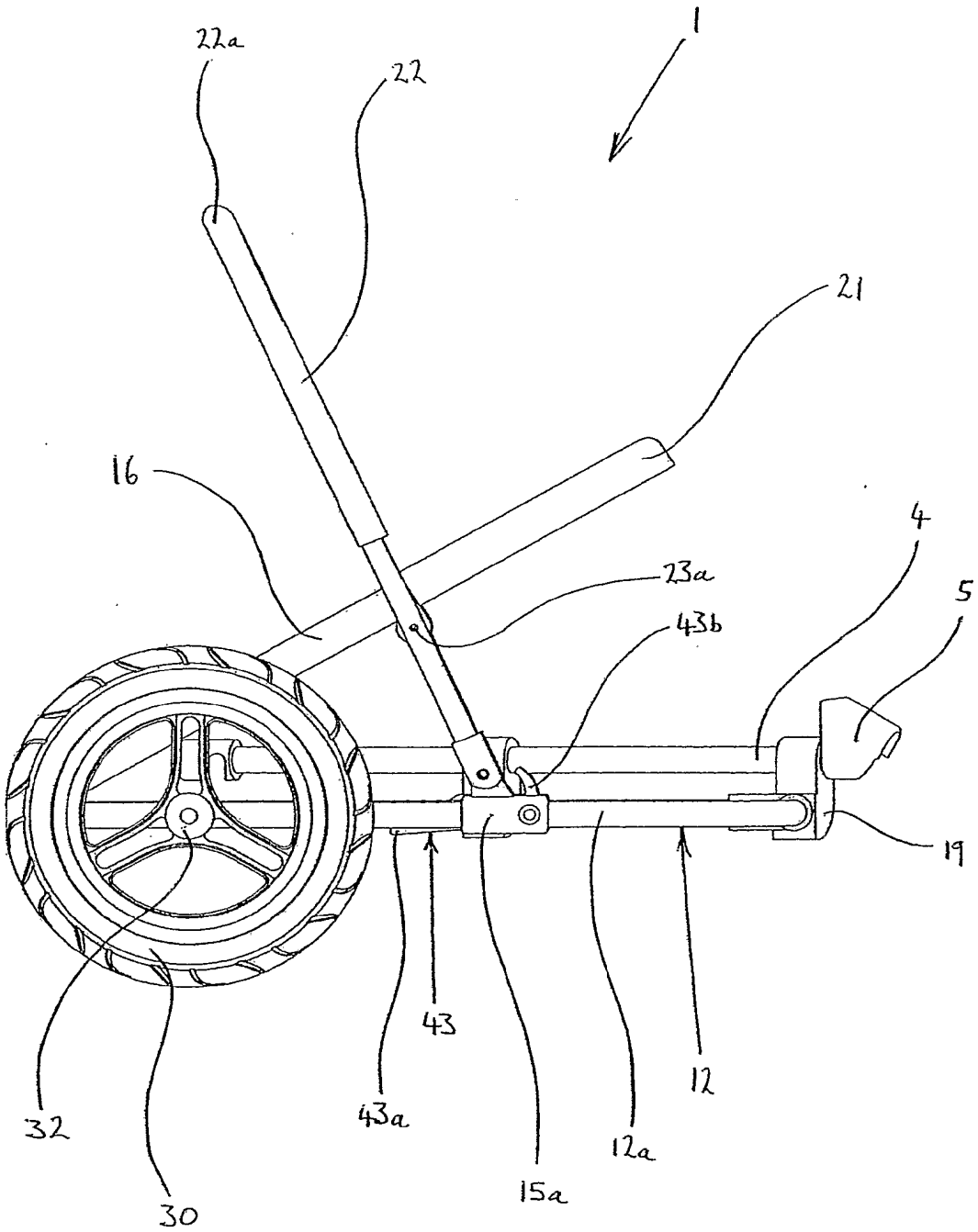


FIGURE 3

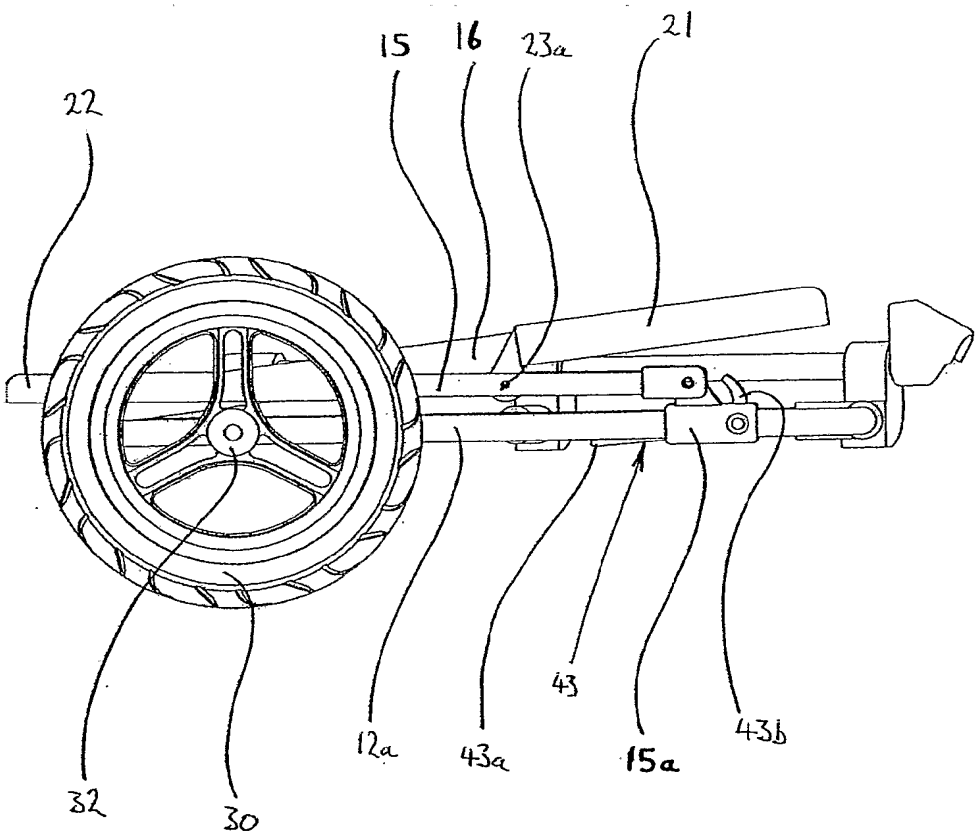


FIGURE 4

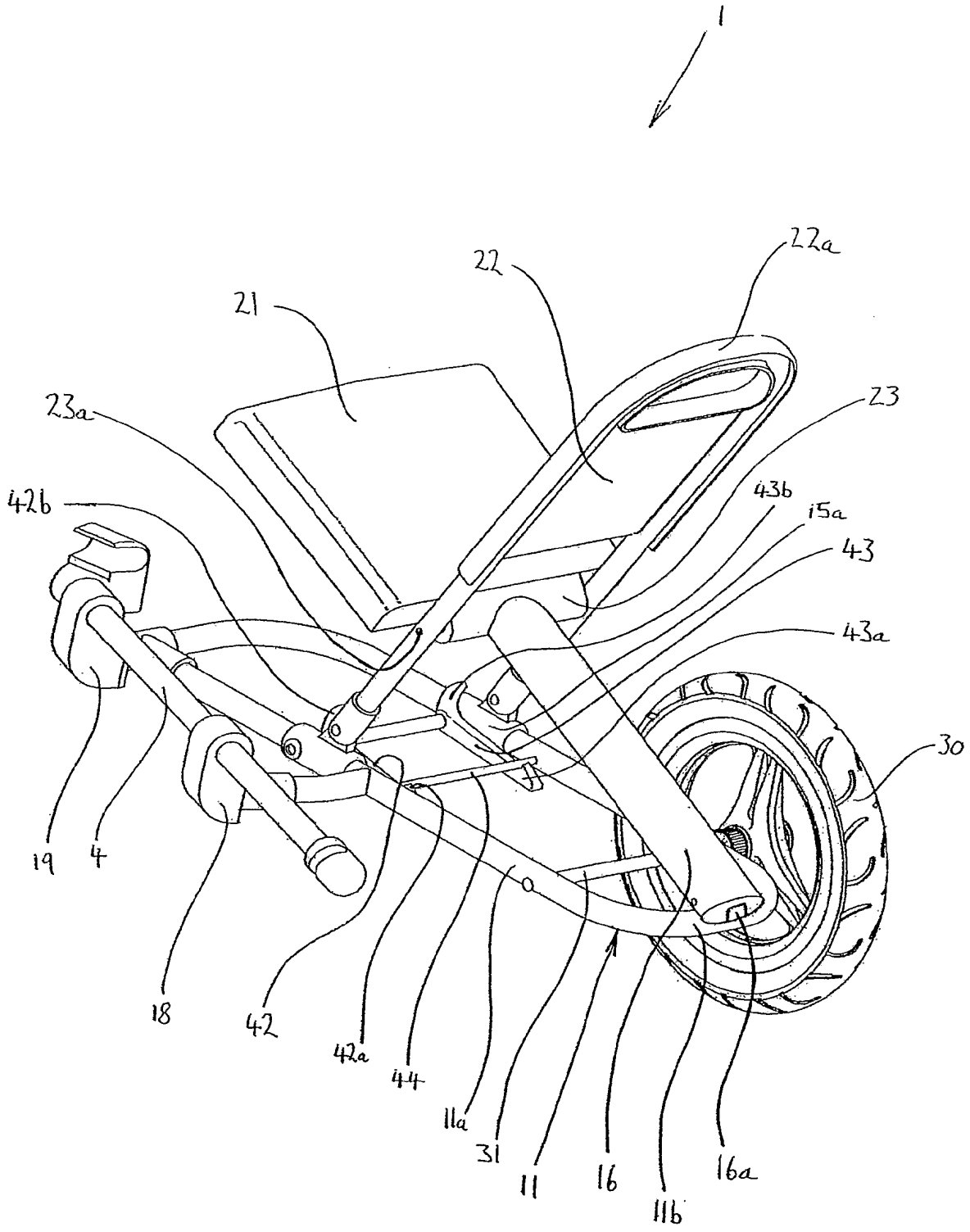

1
22a
22
21
23a
23
42b
43b
15a
43
43a
30
19
4
18
42
42a
44
11a
31
11
16
11b
16a

FIGURE 5

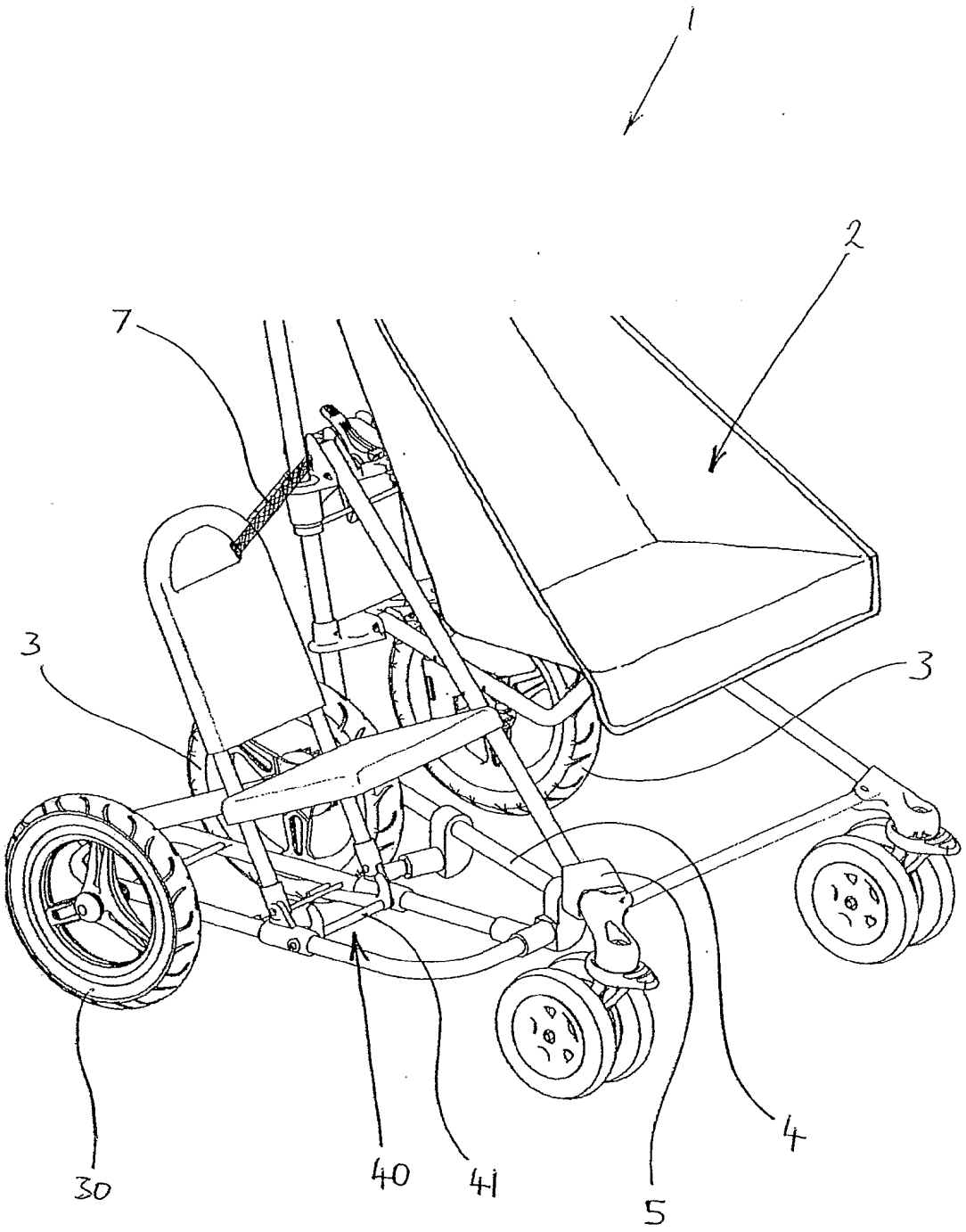


FIGURE 6.

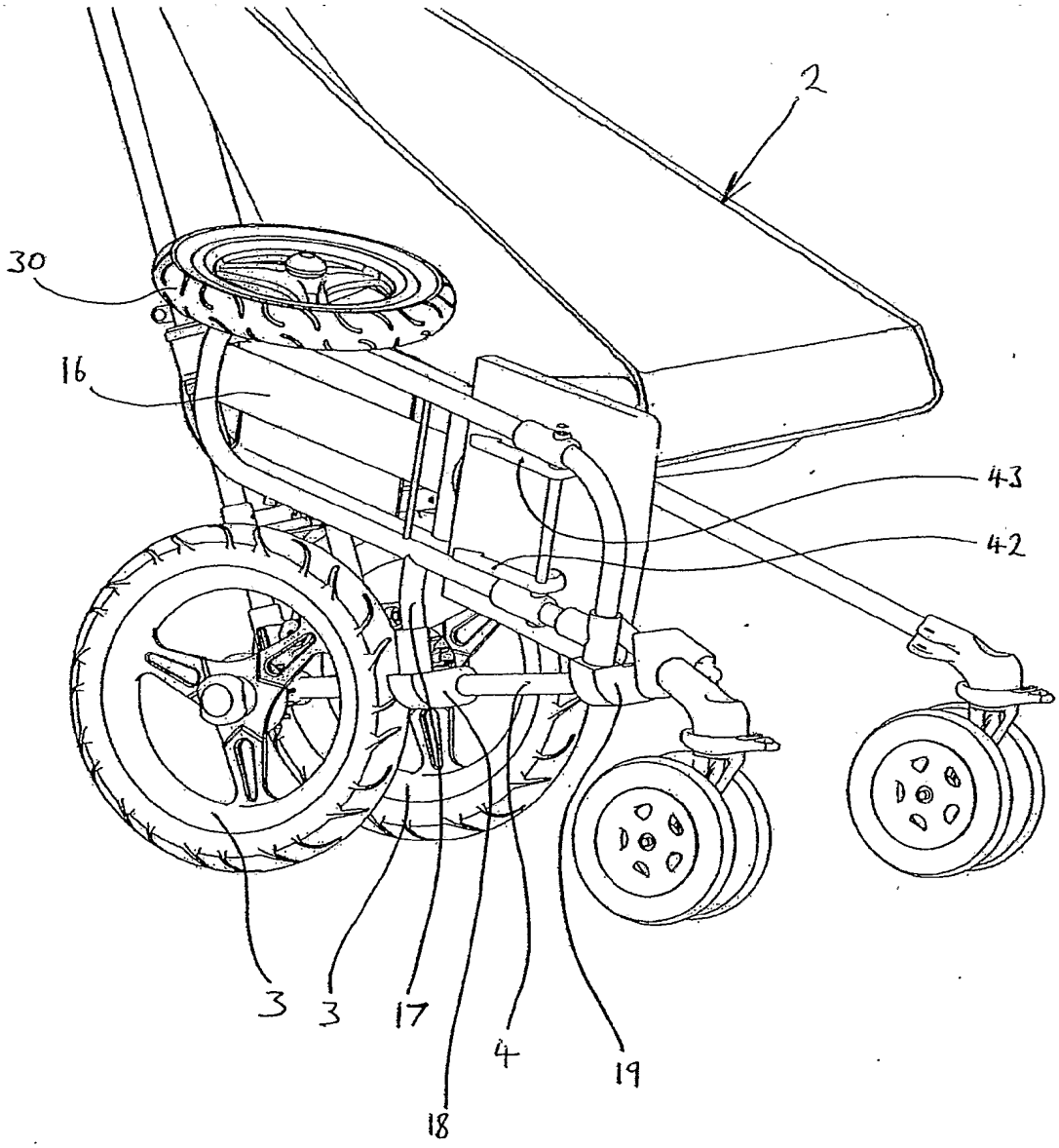


FIGURE 7

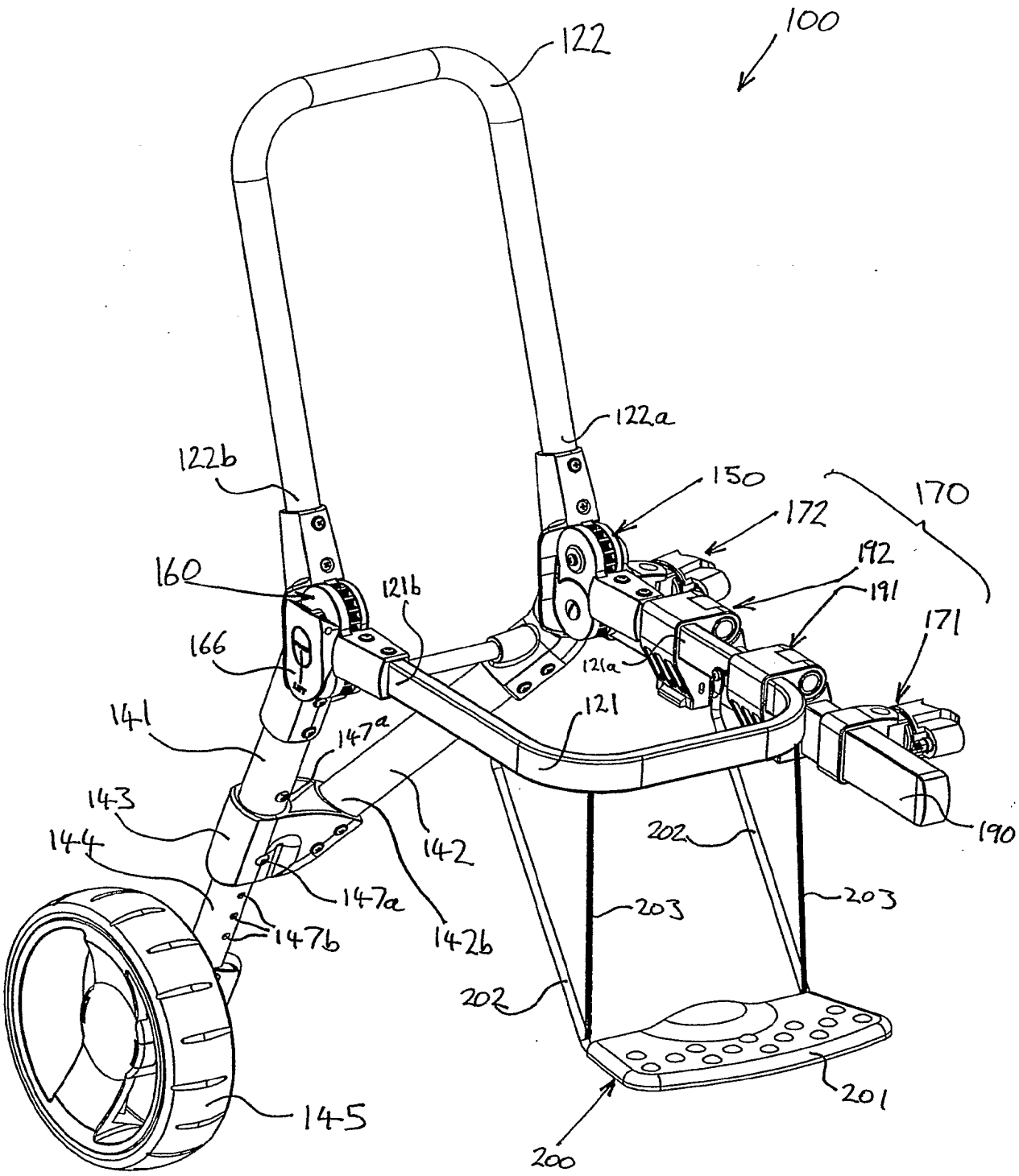

100
122
122a
122b
150
170
172
192
191
160
121b
171
166
121a
141
147a
121
143
142
144
190
202
147a
203
203
147b
142b
202
201
145
200

FIGURE 8

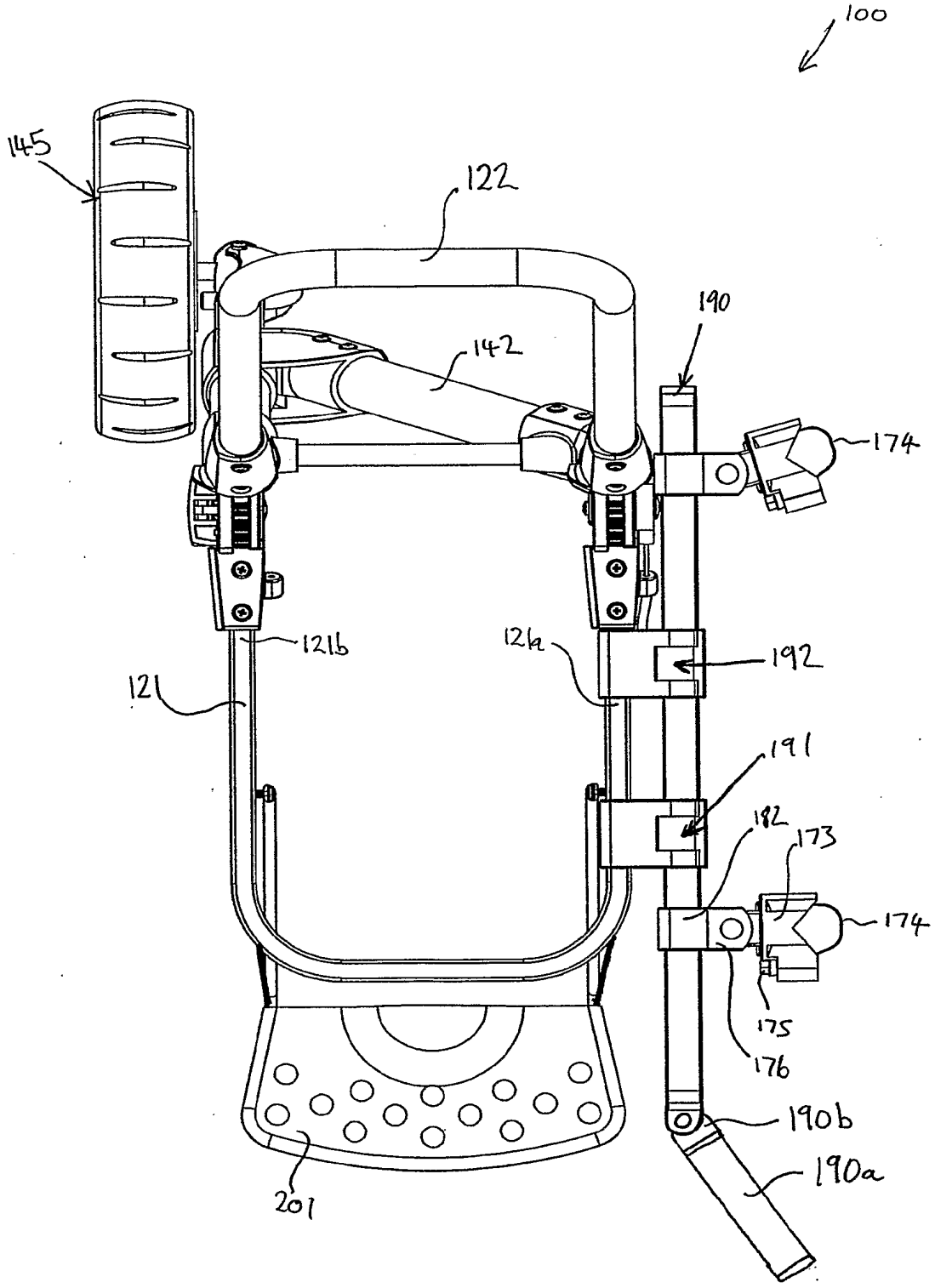

100
145
122
190
142
174
121b
126
192
121
191
182
173
174
175
176
190b
190a
201

FIGURE 9

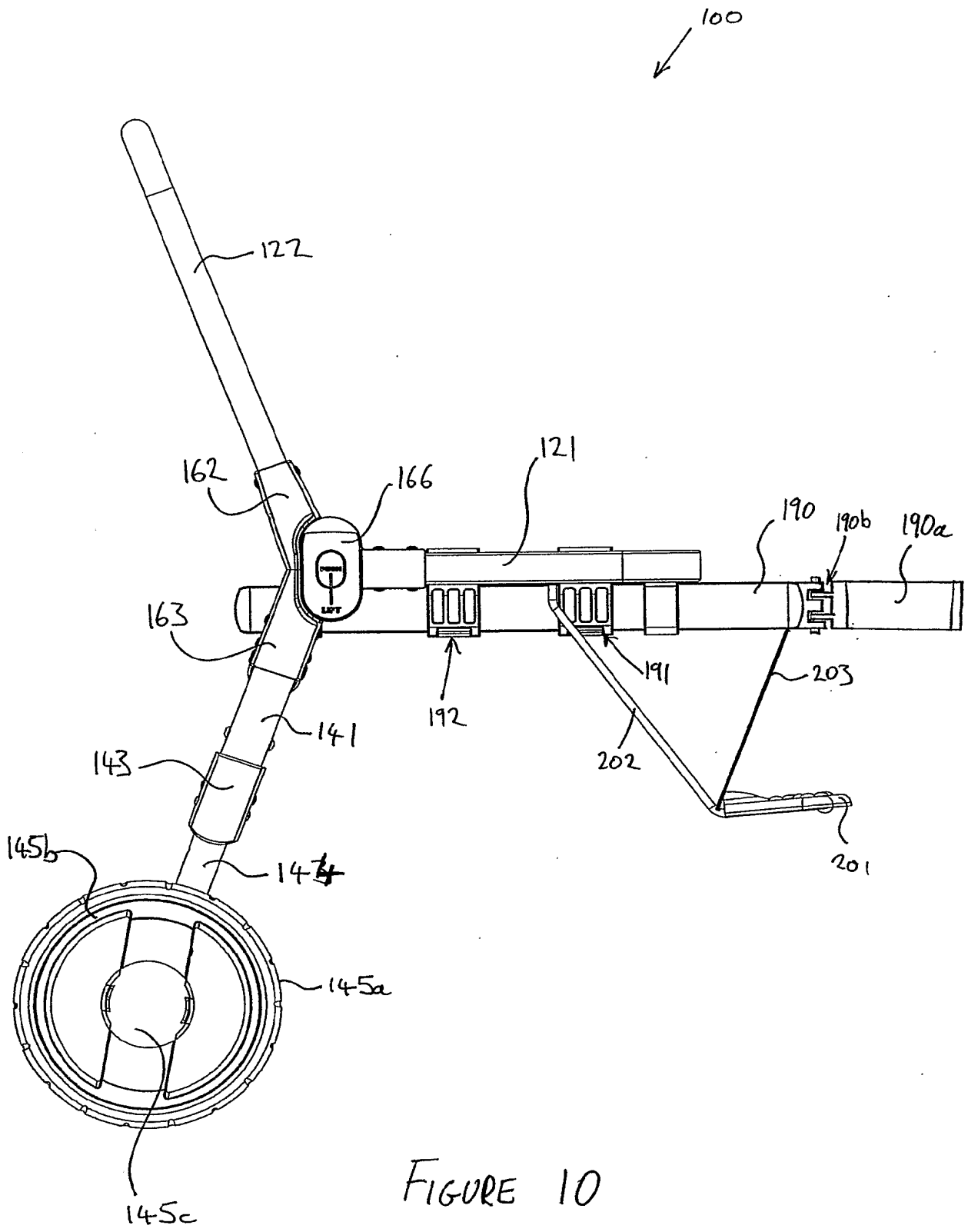

100
122
162
166
121
190
190b
190a
163
191
203
192
141
202
143
145b
147
145a
145c
201

FIGURE 10

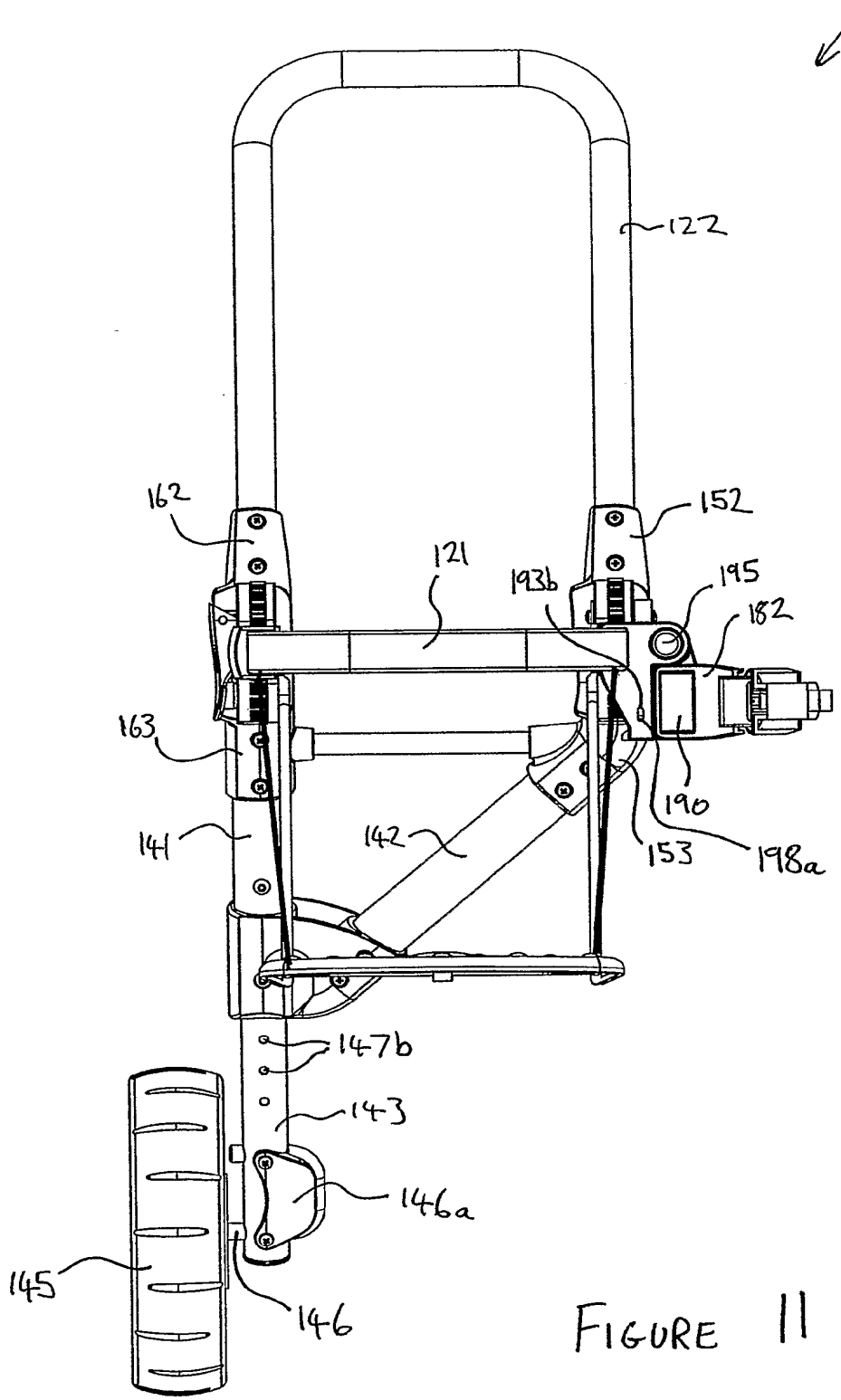

100
122
162
152
121
193b
195
182
163
190
141
142
153
198a
147b
143
146a
145
146

FIGURE 11

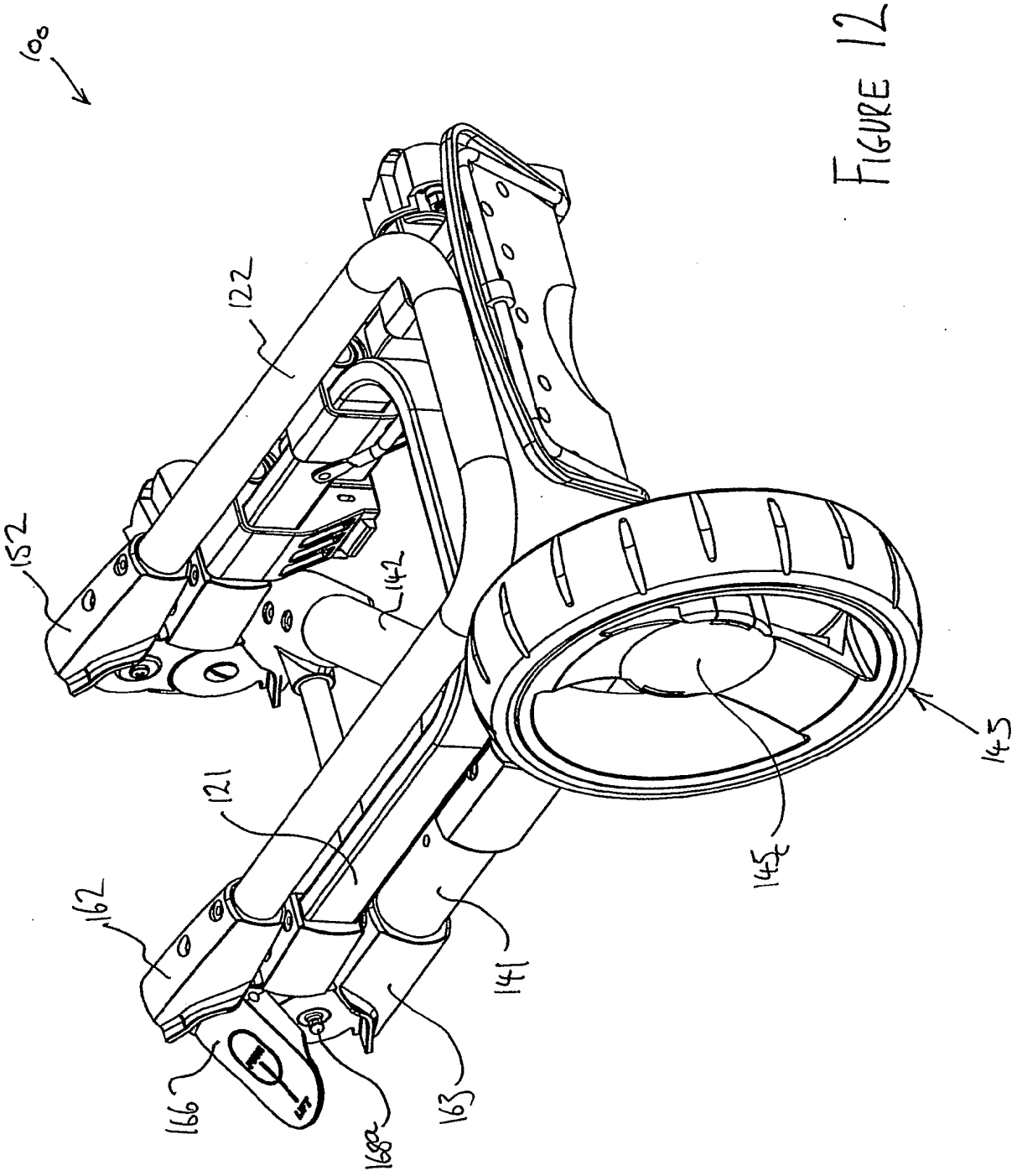


FIGURE 12

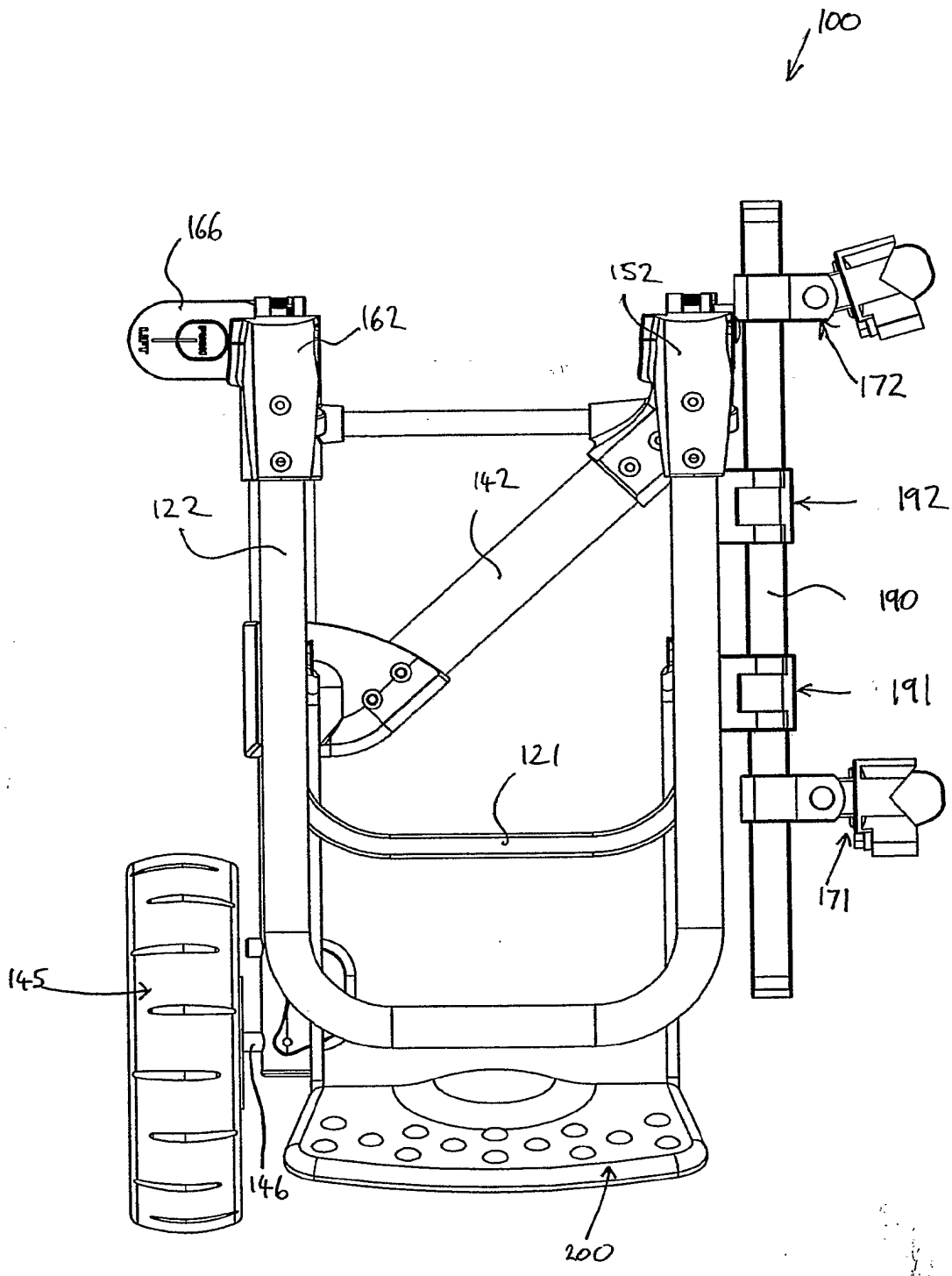


FIGURE 13

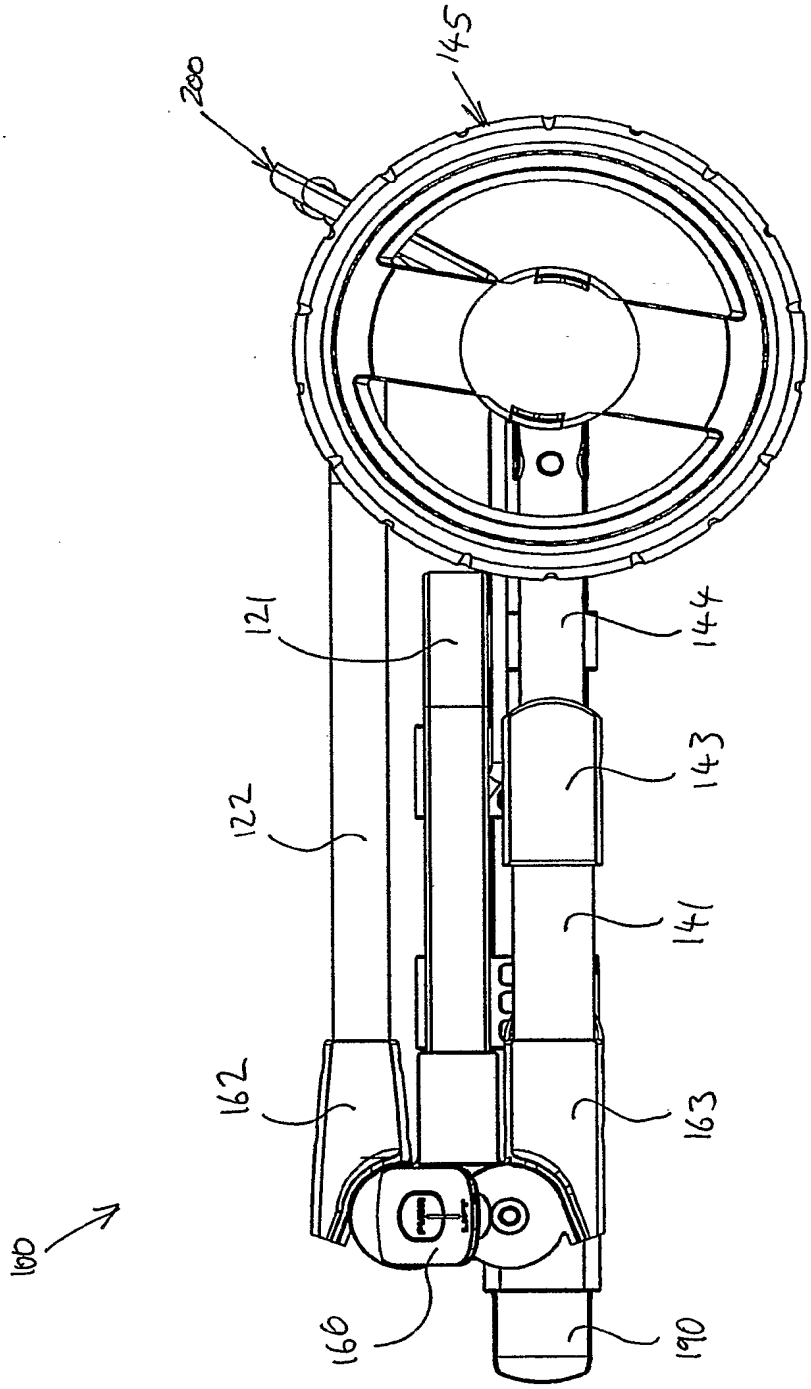


FIGURE 14

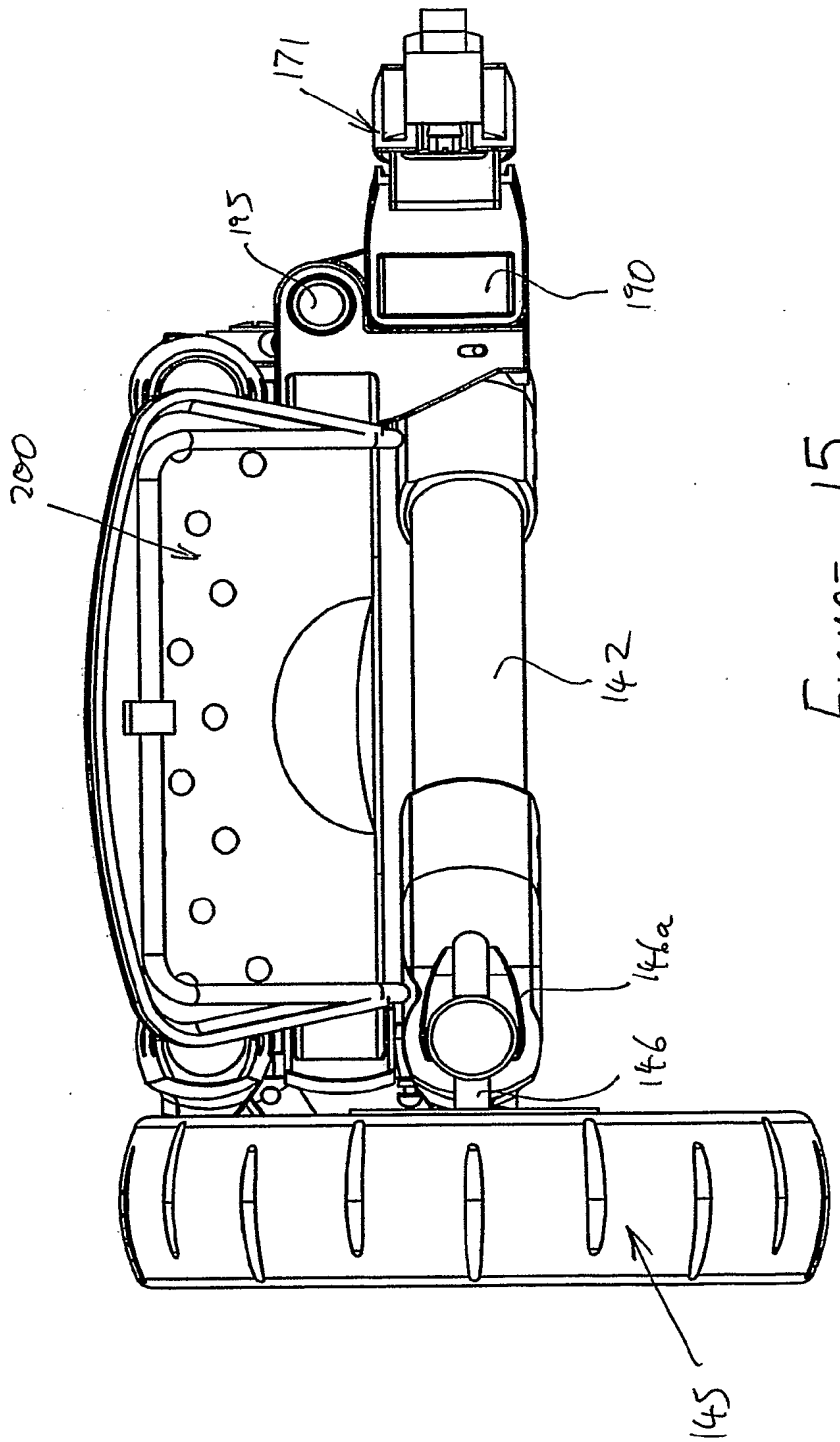


FIGURE 15

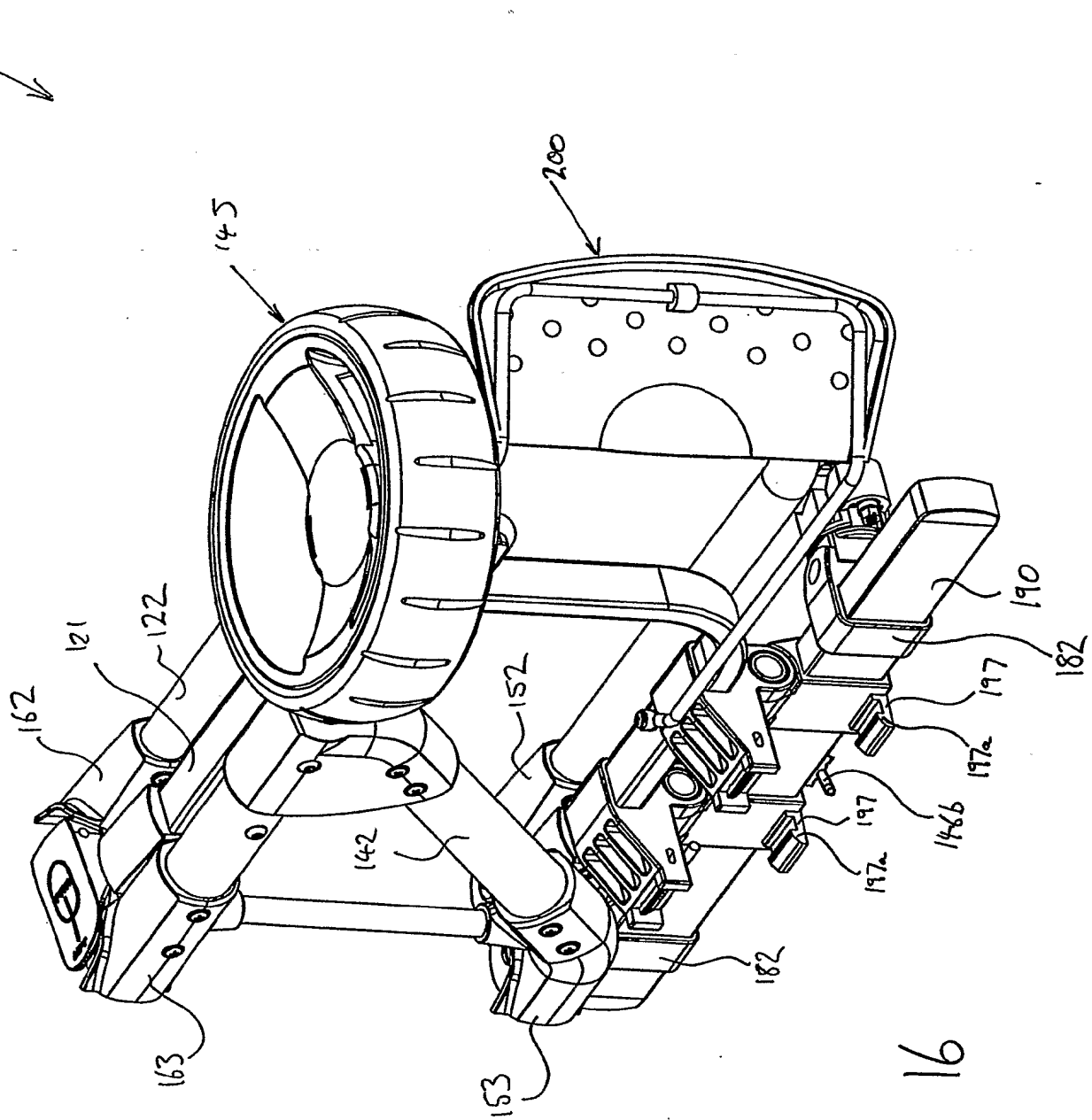

100
200
145
190
182
197
197a
146b
197
197a
182
152
142
162
121
122
163
153

FIGURE 16

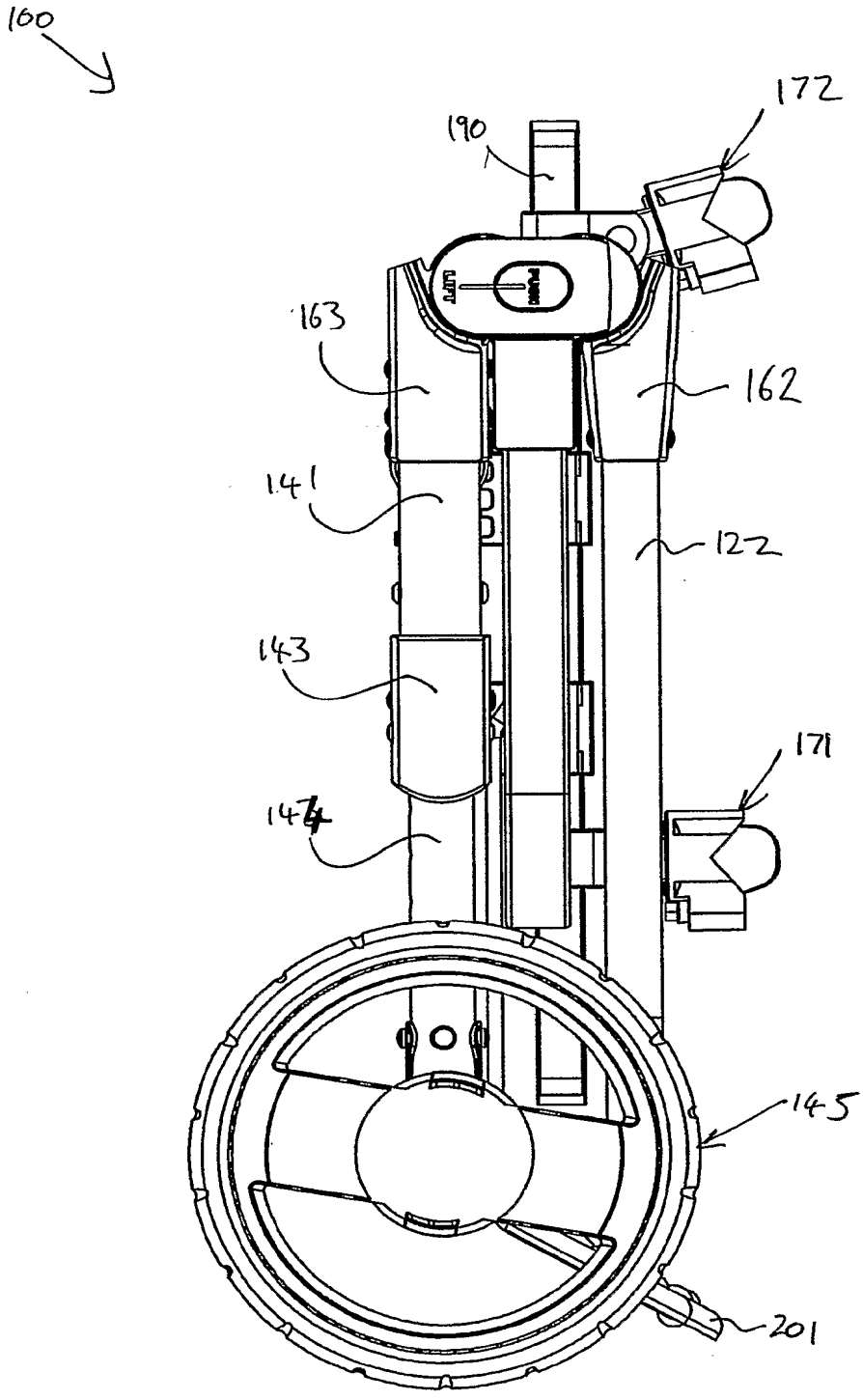


FIGURE 17

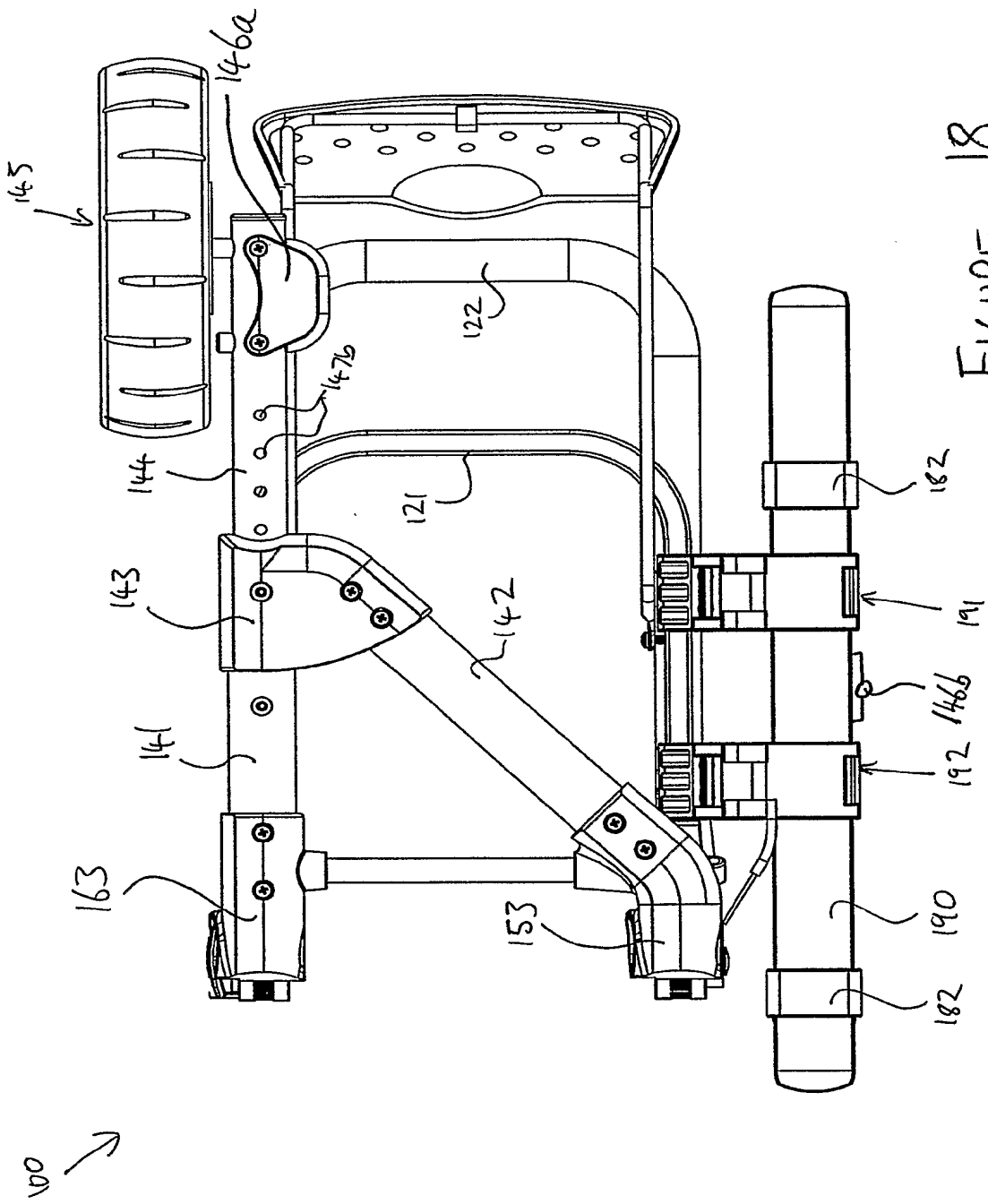

145
146a
122
147b
144
121
182
143
142
191
146b
141
192
163
153
190
182
100

FIGURE 18

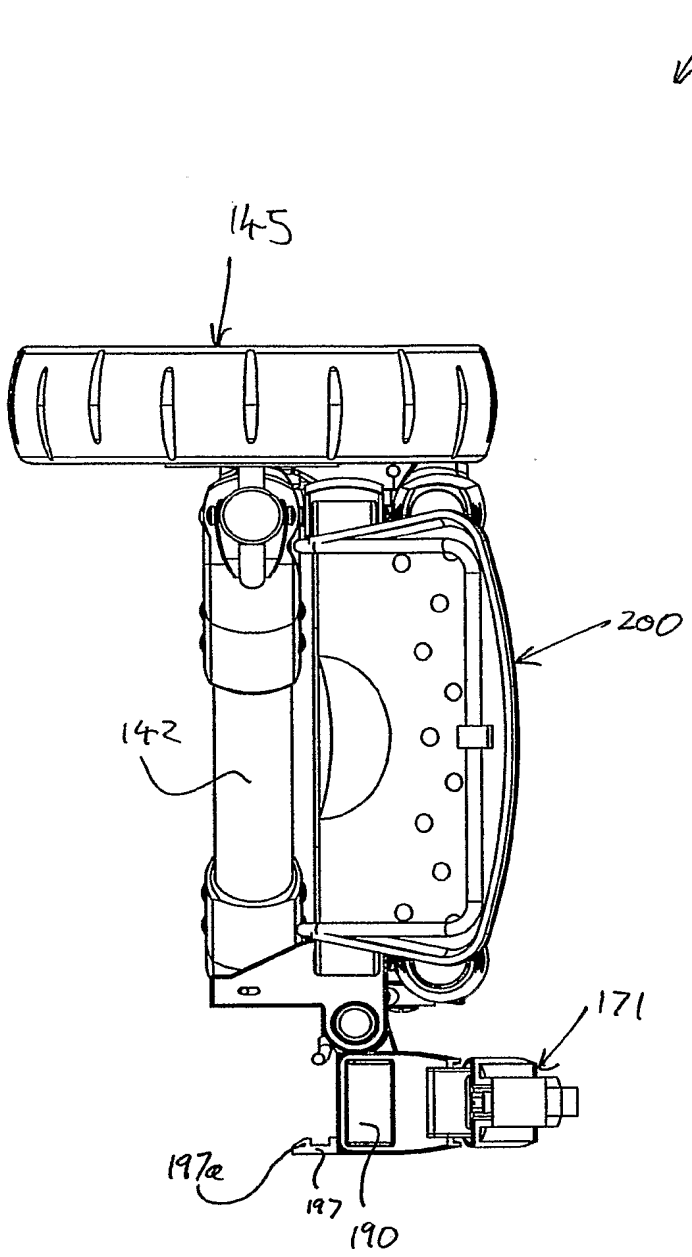


FIGURE 19

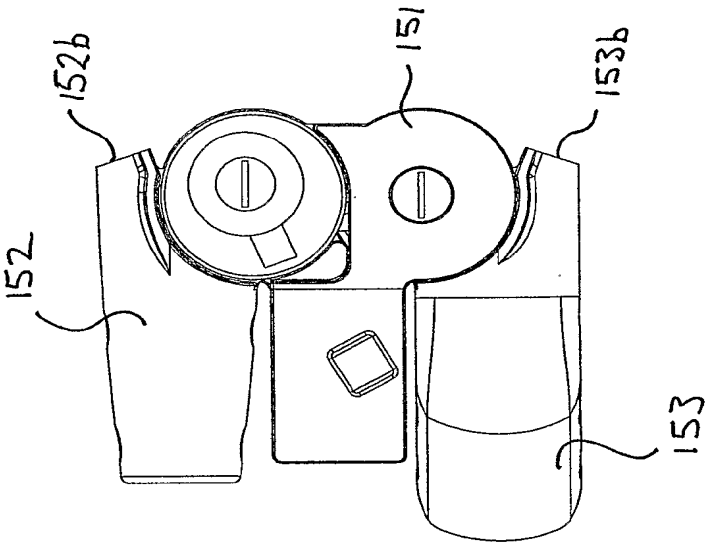


FIGURE 20B

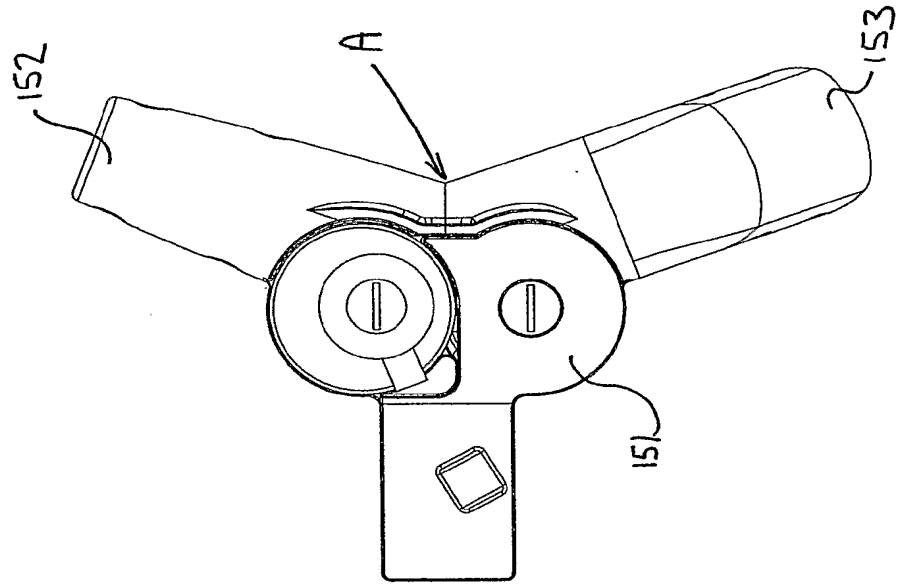


FIGURE 20A

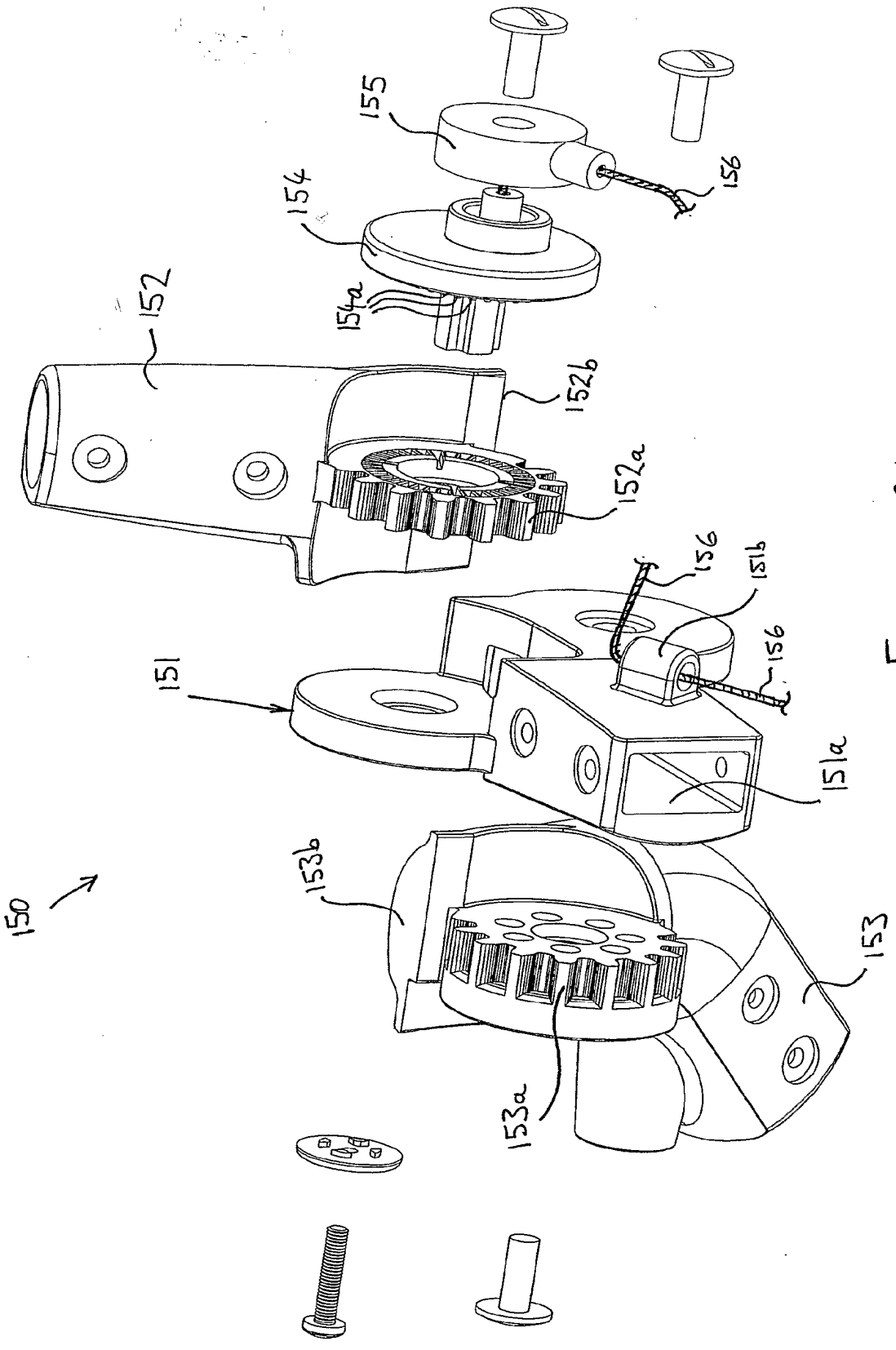

155
156
154
154a
152
152b
152a
156
151b
156
151
151a
153b
150
153
153a

FIGURE 21

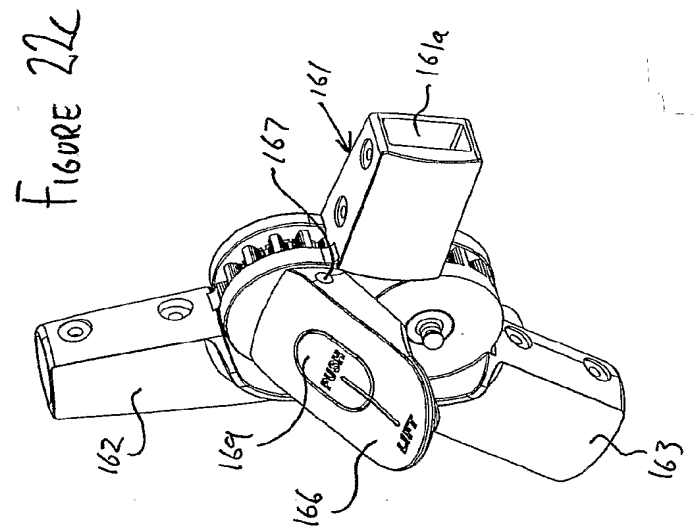


FIGURE 22C

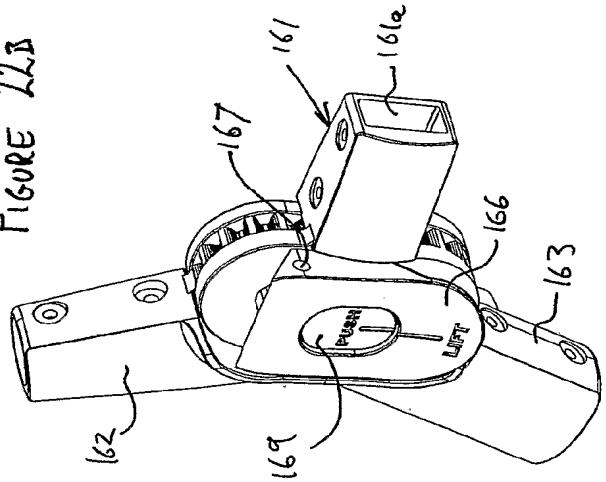


FIGURE 22B

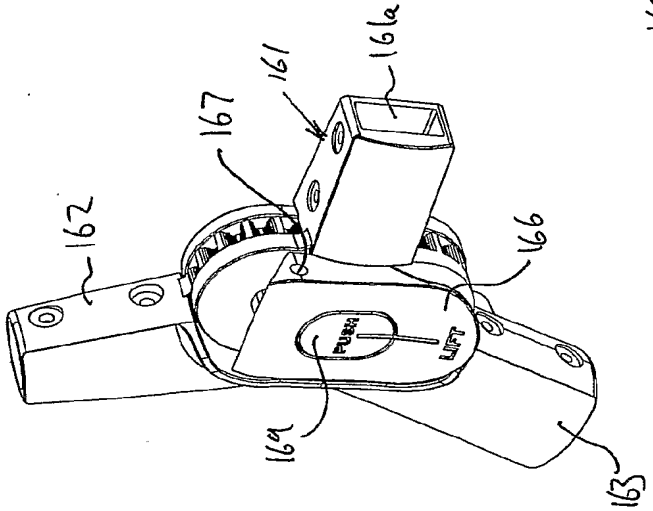


FIGURE 22A

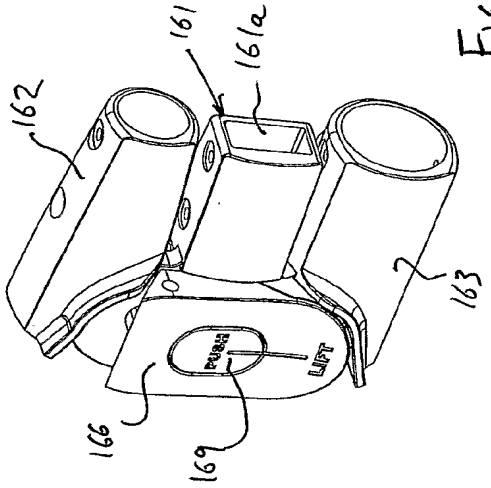


FIGURE 22E

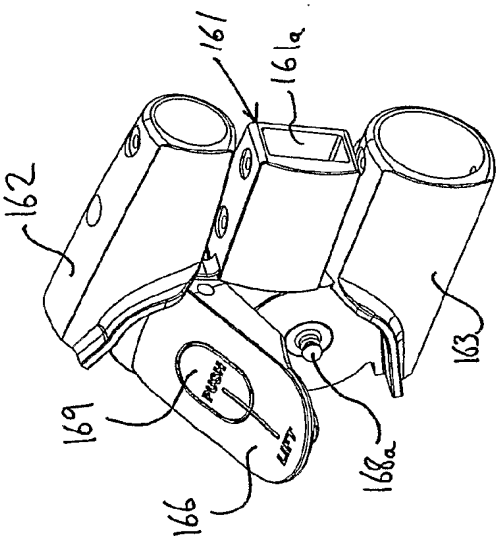


FIGURE 22D

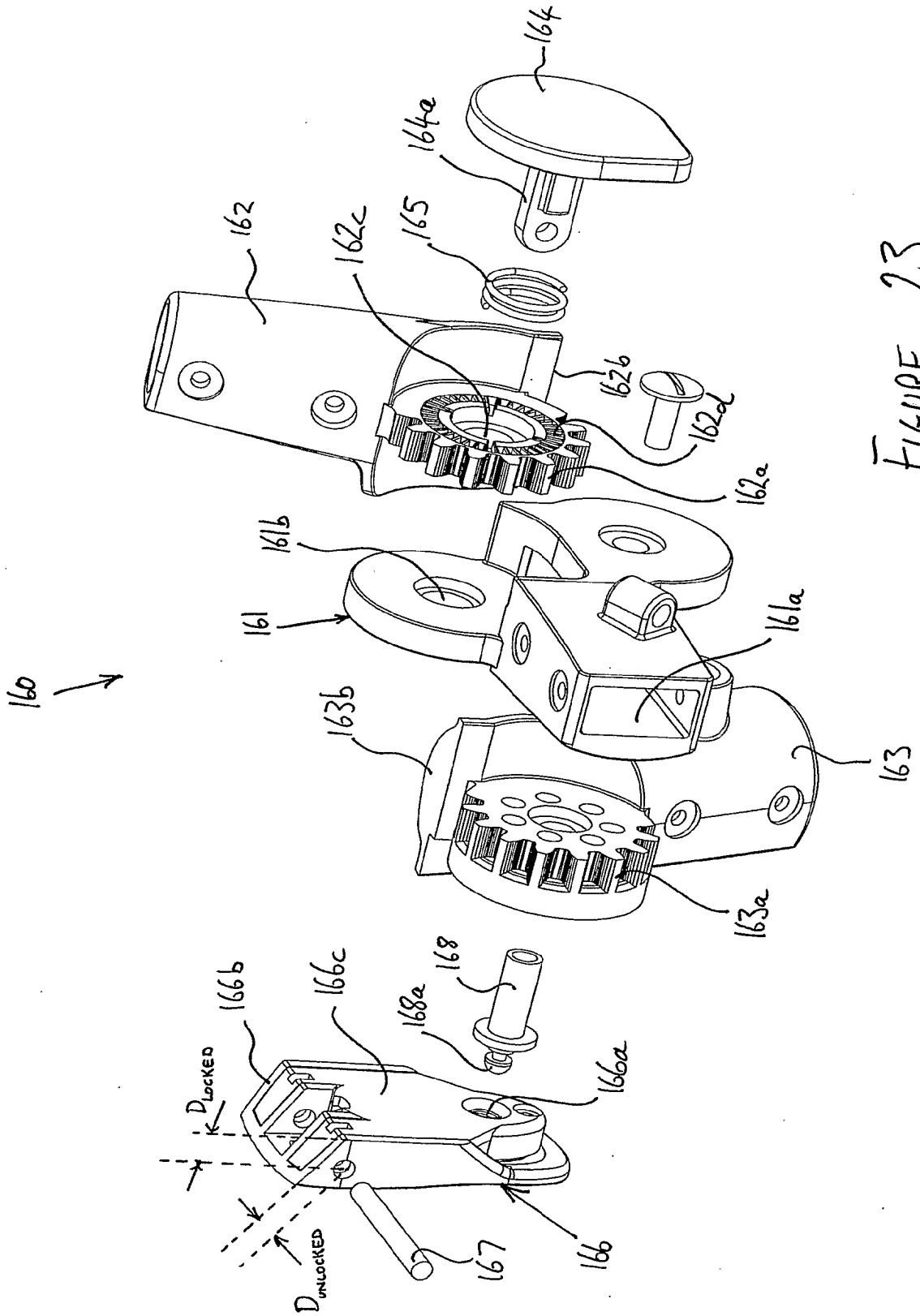

160
161
161a
161b
162
162a
162b
162c
162d
163
163a
163b
164
164a
165
166
166a
166b
166c
167
168
168a
D_{LOCKED}
$D_{UNLOCKED}$

FIGURE 23

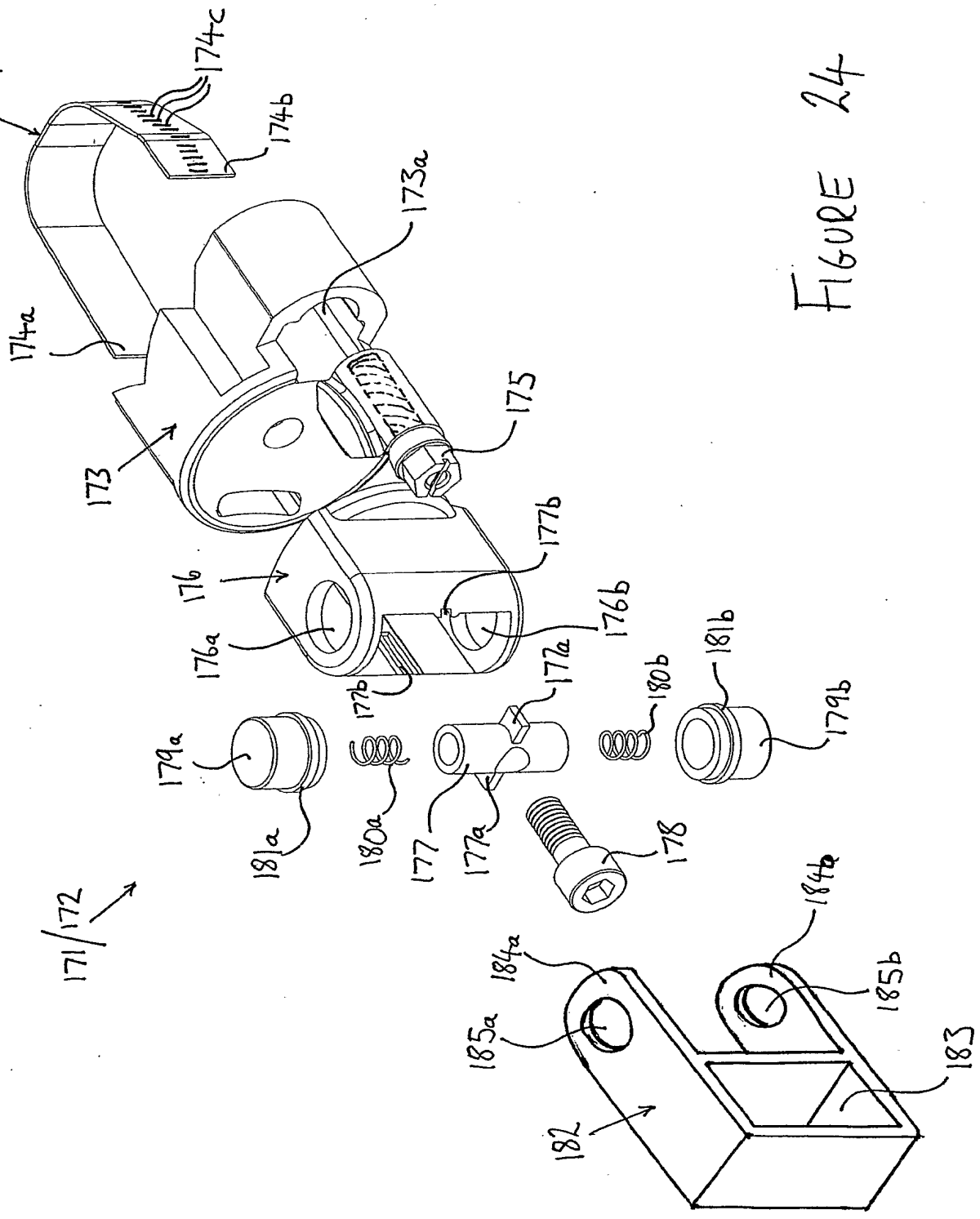

174
174c
174b
173a
174a
175
173
177b
176
176a
176b
177a
177b
180b
181b
179b
179a
181a
180a
177
177a
178
171/172
184b
184a
185b
185a
183
182

FIGURE 24

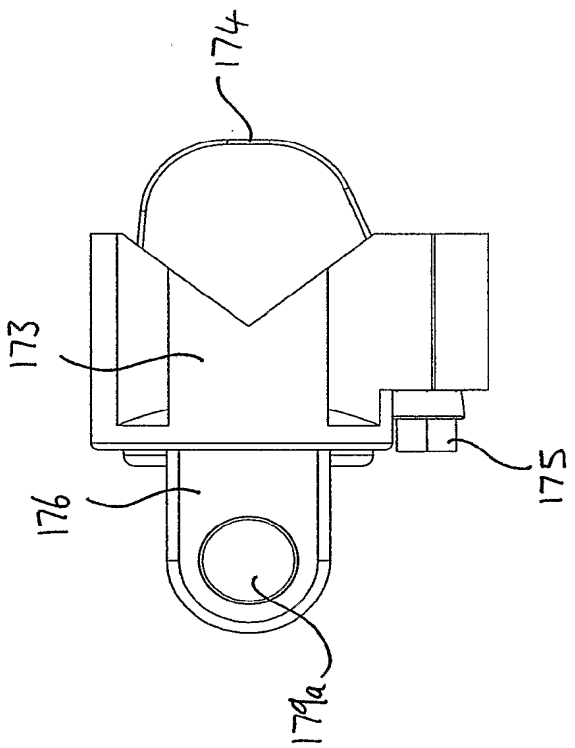


FIGURE 25

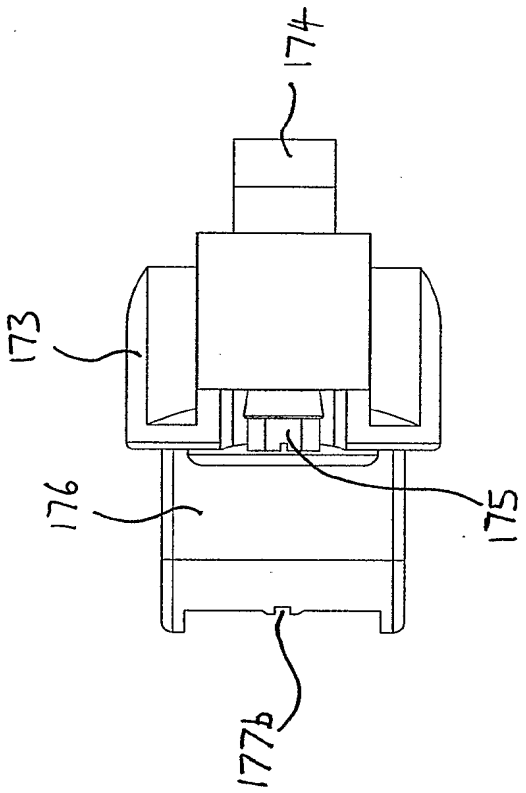


FIGURE 26

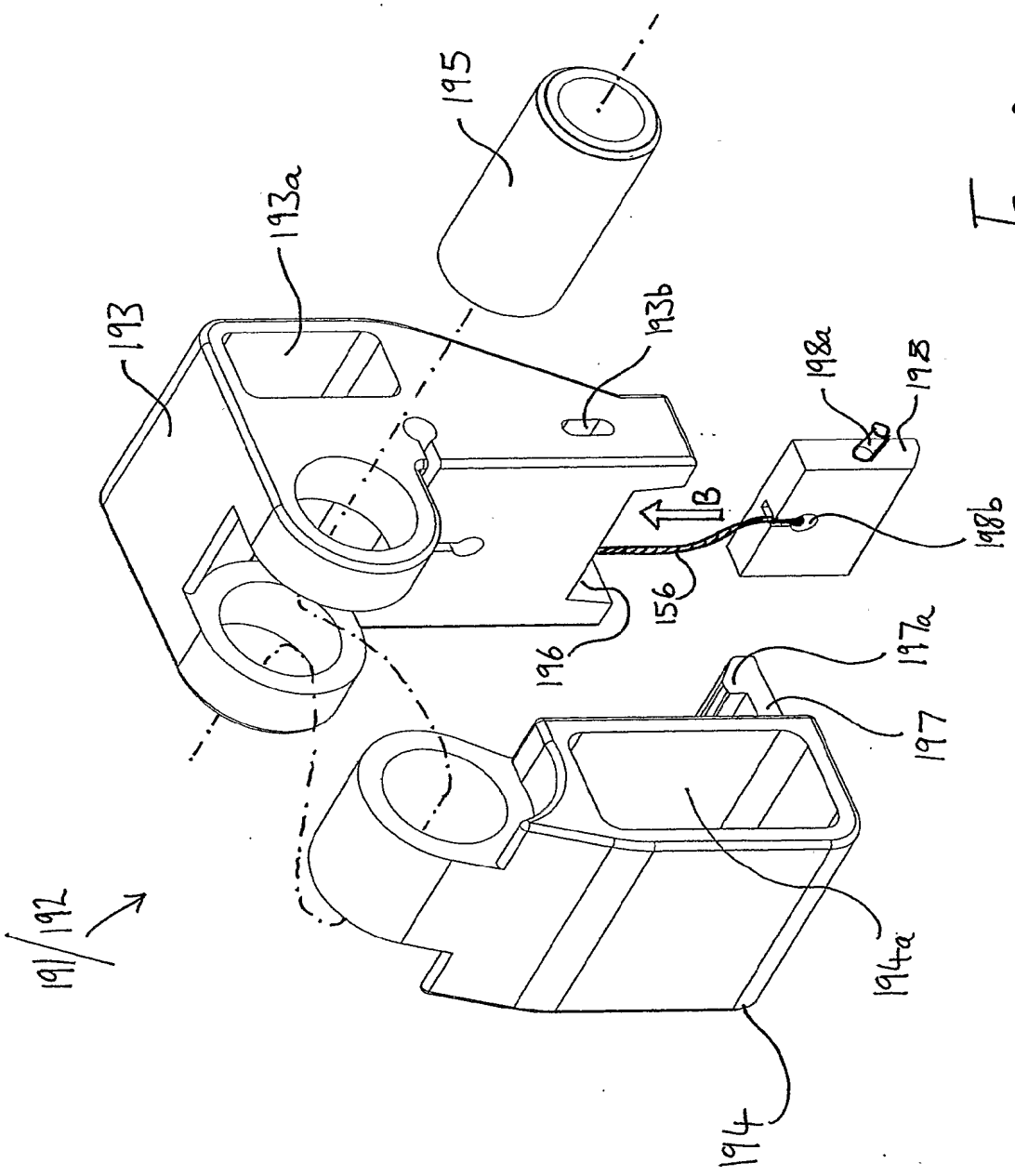

195
193a
193
193b
198a
198
198b
B
156
196
197a
197
191/192
194a
194

FIGURE 27

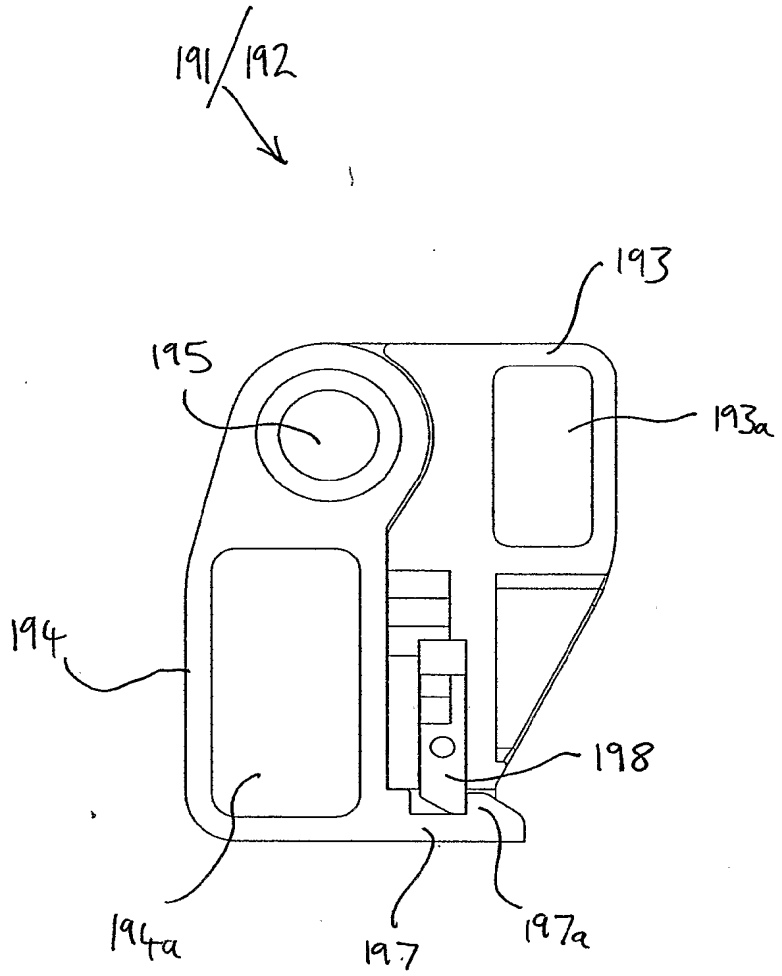


FIGURE 28

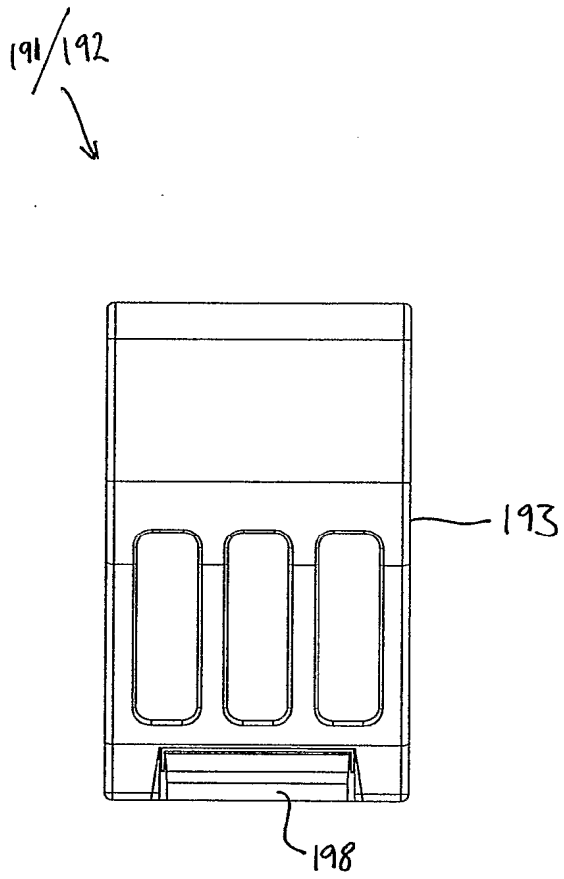


FIGURE 29

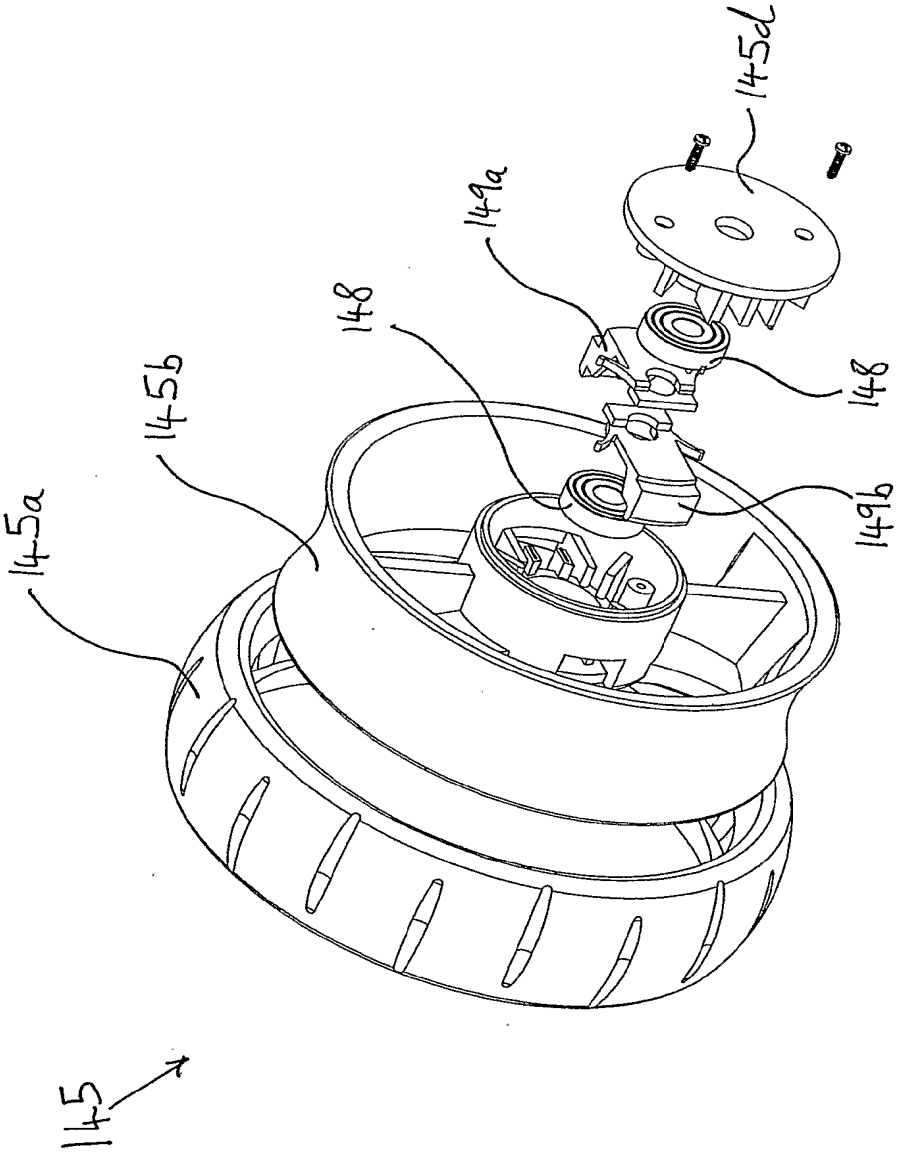


FIGURE 30

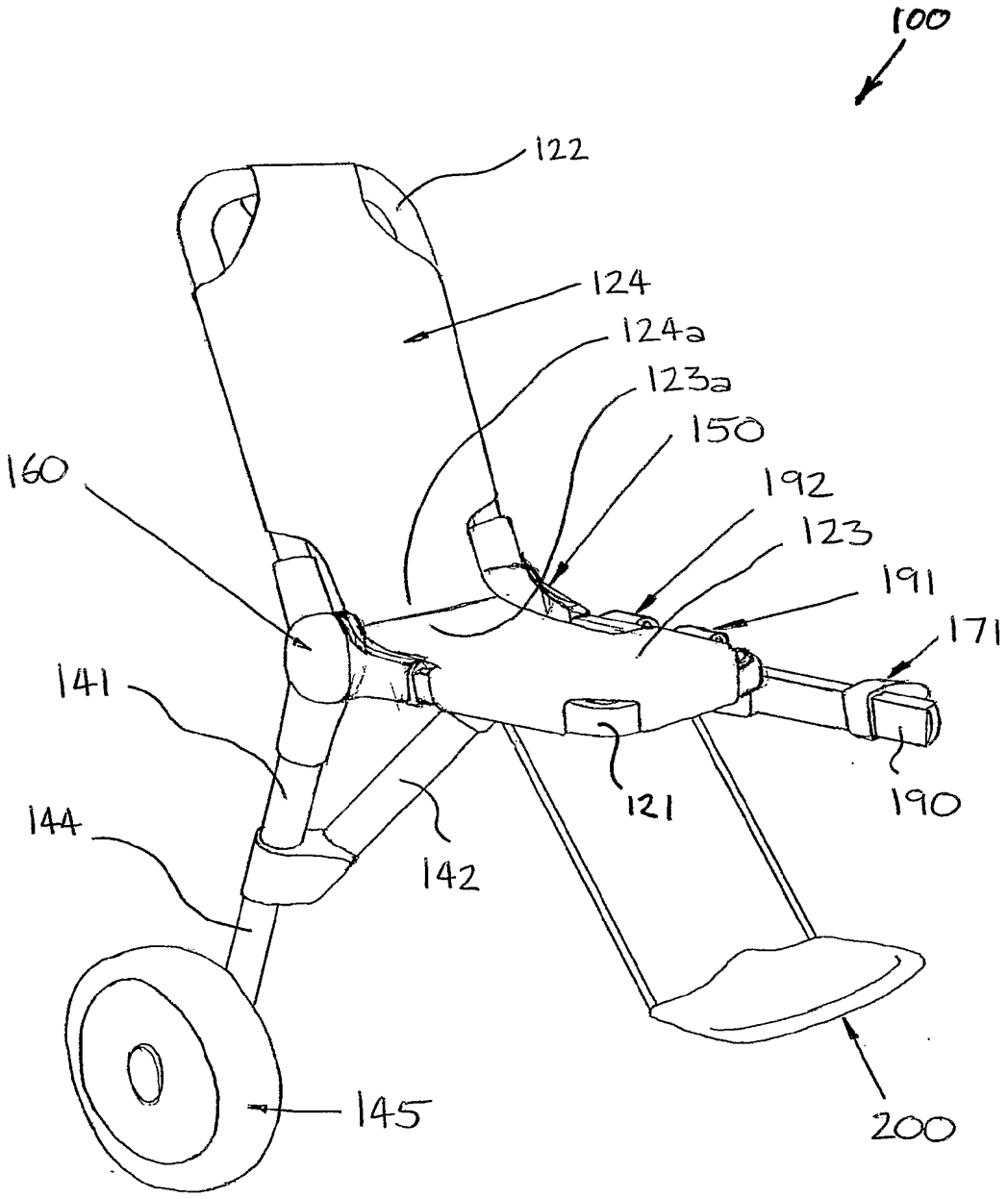

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FIGURE 31

INTERNATIONAL SEARCH REPORT

Intel Application No
PCT/GB2005/001276

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B62B9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B62B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 000 645 A (SCHMIDT CARL O) 19 September 1961 (1961-09-19) abstract; figures 1,2,4,7	1,5, 9-12, 15-19, 21-28, 30-35, 37,43,44
Y	figures 1,2,4,7	2-4,6
Y	US 6 715 783 B1 (HANSON WAYNE H ET AL) 6 April 2004 (2004-04-06) abstract; figures 4,8,10	2-4,6
A	figures	1
A	DE 40 33 548 A1 (TROAX-AXO AB, HILLERSTORP, SE) 25 April 1991 (1991-04-25) abstract; figure 1	1-4

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

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"E" earlier document but published on or after the international filing date

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Date of the actual completion of the international search	Date of mailing of the international search report
8 June 2005	15/06/2005

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Lindner, V

Form PCT/ISA/210 (second sheet) (January 2004)

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 89 08 113 U1 (COMBIPRODUKT TEXTILVERARBEITUNGS GMBH, 5750 MENDEN, DE) 10 August 1989 (1989-08-10) abstract; figure 1	1-4
A	US 5 125 712 A (STAMOUTSOS ET AL) 30 June 1992 (1992-06-30) abstract; figures	1,38-42
A	US 2003/209885 A1 (SZMIDT LESZEK G ET AL) 13 November 2003 (2003-11-13) abstract; figures	1,38-42
A	DE 202 10 943 U1 (WEGNER, CHRISTIANE) 21 November 2002 (2002-11-21) abstract; figure 1	1

INTERNATIONAL SEARCH REPORT

Inte Application No
PCT/GB2005/001276

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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DE 4033548 A1	25-04-1991	SE 468429 B FR 2653401 A1 NO 904526 A ,B, SE 8903477 A	18-01-1993 26-04-1991 22-04-1991 21-04-1991
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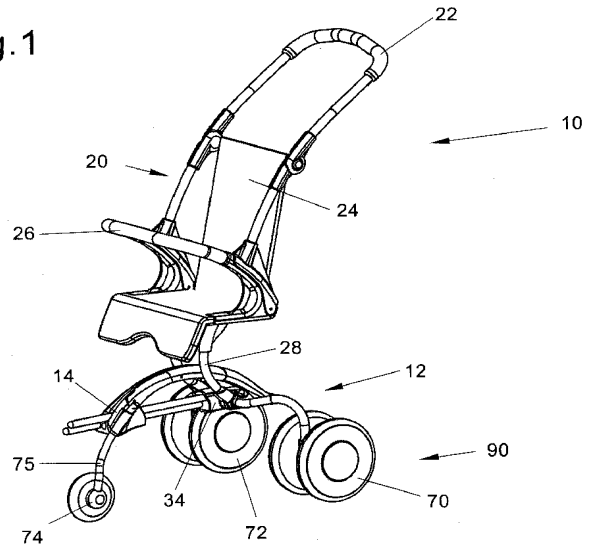
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(54) **Title:** CONVERTIBLE SINGLE AND MULTI-SEAT STROLLER

Fig.1



(57) **Abstract:** A stroller device comprising at least one carriage, the carriage comprising a support unit for supporting at least one person, typically an infant, a wheels assembly coupled to the support unit, an engagement element for engaging the carriage to another such carriage and a pivoting element coupled to the support unit allowing rotating the support unit with respect to the carriage. The support unit may be rotatably reoriented so as to allow transporting the stroller device such that the support unit of the carriage and the other support unit of the other carriage can be aligned in a train state or alternatively in a side-by-side state.

WO 2008/135974 A2

CONVERTIBLE SINGLE AND MULTI-SEAT STROLLER

FIELD OF THE INVENTION

[0001] The present invention relates to strollers and carriages. More specifically the present invention relates to a convertible single and multi-seat stroller

BACKGROUND OF THE INVENTION

[0002] Strollers and carriages (hereinafter referred to as "strollers") for the transportation of infants and small children have been in use for many years. Also in common use are strollers offering seating options for two children. Typically present day strollers are designed so as to have children seated in different and desired inclination angles and in a fixed-angle position facing frontward, in the direction of the advancement of the stroller. Various assemblies and designs have been developed for reversibly connecting two single strollers to a single double-seat stroller-unit, thus providing a choice of using a two-seater stroller only when necessary and increasing the ease and safeness of maneuverability when transporting two small children, not necessarily of the same age.

[0003] Given below are prior art patents listing different techniques for the connection of two single strollers to a single stroller unit:

[0004] In 1928 Chatfield R., in US 1,707,186 invented a device comprising a stretchable wheel axis composed of a shaft with a sliding bar on which, at will, a single or two strollers could be positioned.

[0005] In US 4,805,938 Redmond T. and Redmond R. invented a device for connecting two baby strollers together consisting of a pair of bars or poll bracket units spaced apart and clamped between frames of the baby strollers so that a single person can operate the strollers simultaneously for transporting two babies therein.

[0006] In Patent Application WO2005/021351 Thompson J. and Peterson T. describe a device in which two strollers are reversibly connected by aligning and interlocking the front wheels of a stroller with the rear wheels of second stroller, thus more than two strollers can be connected in a column forming "a train" of strollers.

[0007] In GB 2,368,824 Colin A. describes a device comprising two independent strollers, referred to as "pushchairs", that can be linked together in either a side-by-side or a column

"train arrangement. The linkage is done by "securement members" that interlock the two strollers without any structural adjustments or changes in either of the pushchairs.

[0008] In GB 2,373,484 Sear L. and Croot C. describe a device comprising rails with a generally rectangular or tubular cross-section that reversibly secure and fasten frames of two strollers in a parallel side-by-side position. In the joint strollers formation one of the two wheels in the front and one of the two wheels in the rear may be inwardly folded by pivots so as to enable the maneuvering of single-stroller unit having just 6 wheels.

[0009] Typically, the present technology of connecting two strollers to a single stroller-unit, as described in the quoted patents, predetermines the fixation of the two strollers in either a side-by-side positioning or a longitudinal, "train" positioning.

[0010] In order to be conveniently store and easily transport various mechanical devices have been developed to enable the folding and collapsing of strollers. An example of such a prior art technique for folding is given in US 5,221,106 by Shamie L. in which a stroller comprises two side frames supporting a fabric seat between them; the frames having the ability to fold inwardly by a scissor-motion of a support structure that connects the side frames together. Typically in present day strollers, either collapsible or fixed-frame stroller-units, are composed so that the length dimension of the strollers is predetermined and fixed.

[0011] The advantage of a stroller in accordance to the present invention is the ability to reversibly connect two independent strollers to a single stroller-unit and when doing so to have the ability to choose a desired state, either a side-by-side or longitudinal, "train" position. In addition to determining the state of two strollers, it is possible in accordance to the device of the present invention, by varying the swirl-angle of the seats to determine the direction-position of two children in connected strollers, either facing each other, facing opposite directions or partially facing each other.

[0012] Another advantage of a stroller in accordance to the present invention is the ability to change at will the longitude distance between two connected strollers, thus having the possibility of reducing the footprint of the connected strollers by shortening the length dimension of the stroller-unit, facilitating better maneuverability when required.

[0013] The ability to change at will the distance between two connected strollers has a significant bearing on tempering with the interaction between the children in the strollers, a factor that can be of major importance in transporting children.

SUMMARY OF THE INVENTION

[0014] There is thus provided, in accordance with some preferred embodiments of the present invention, a stroller device comprising at least one carriage, the carriage comprising a support unit for supporting at least one person, typically an infant, a wheels assembly coupled to the support unit, an engagement element for engaging the carriage to another carriage of said at least one carriage, and a pivoting element coupled to the support unit allowing rotating the support unit with respect to the carriage, facilitating the support unit to be rotatably reoriented so as to allow transporting the stroller device such that the support unit of the carriage and the other support unit of the other carriage can be aligned in a train state or alternatively in a side-by-side state.

[0015] Furthermore, in accordance with some preferred embodiments of the present invention, the device comprises at least two carriages of said at least one carriage.

[0016] Furthermore, in accordance with some preferred embodiments of the present invention, the engagement element comprises at least one bar and a connector provided with a bore for receiving a matching bar.

[0017] Furthermore, in accordance with some preferred embodiments of the present invention, the engagement element comprises a hollow bar with an opening into which a matching bar may be inserted and slide.

[0018] Furthermore, in accordance with some preferred embodiments of the present invention, the device comprises a compacting mechanism so as to facilitate reducing and alternatively increasing the footprint of the stroller device, when the stroller device comprises at least two carriages.

[0019] Furthermore, in accordance with some preferred embodiments of the present invention, the compacting mechanism comprises a foot actuator.

[0020] Furthermore, in accordance with some preferred embodiments of the present invention, the wheels assembly comprises at least three wheels.

[0021] Furthermore, in accordance with some preferred embodiments of the present invention, the wheels assembly comprises four wheels.

[0022] Furthermore, in accordance with some preferred embodiments of the present invention, the carriage comprises a push-handle.

[0023] Furthermore, in accordance with some preferred embodiments of the present invention, the push-handle is foldable.

[0024] Furthermore, in accordance with some preferred embodiments of the present invention, the length of the push-handle is adjustable.

[0025] Furthermore, in accordance with some preferred embodiments of the present invention, the wheels assembly comprises an elevating mechanism for elevating at least one of the wheels with respect to the other wheels.

[0026] Furthermore, in accordance with some preferred embodiments of the present invention, at least one of the wheels is detachable from the wheels assembly.

[0027] Furthermore, in accordance with some preferred embodiments of the present invention, at least some of the wheels of the wheels assembly comprise swivel wheels.

[0028] Furthermore, in accordance with some preferred embodiments of the present invention, the swivel wheels have a fixed position allowing fixing the swivel wheels in at least one orientation.

[0029] Furthermore, in accordance with some preferred embodiments of the present invention, the swivel wheels can be fixed in four perpendicular orientations.

[0030] Furthermore, in accordance with some preferred embodiments of the present invention, the support unit comprises a seat with an adjustable back-rest.

[0031] Furthermore, in accordance with some preferred embodiments of the present invention, the support unit comprises an adjustable leg-rest.

[0032] Furthermore, in accordance with some preferred embodiments of the present invention, the carriage is foldable.

BRIEF DESCRIPTION OF THE DRAWINGS

[0033] In order to better understand the present invention, and appreciate its practical applications, the following Figures are provided and referenced hereafter. It should be noted that the Figures are given as examples only and in no way limit the scope of the invention. Like components are denoted by like reference numerals. In the Figures the term "frontal side" refers to the side of the single, small wheel, in a single stroller state, as illustrated in Fig. 1 given below and does not necessarily relate to the direction of motion of the stroller. The "rear side" refers to the side of a single stroller state with the relatively larger wheels and does not necessarily relate to the direction of motion of the stroller.

[0034] Fig. 1 is an illustration of a single stroller in accordance with a preferred embodiment of the present invention.

[0035] Fig. 2A is an illustration of a Wheels Assembly Construction (WAC) of an infant stroller in accordance with the present invention, as viewed from the front. The WAC is shown in a stretched state.

[0036] Fig. 2B is a detailed illustration of the frontal section of a WAC, as shown in Fig. 1, with a securing-pin in an opened state.

[0037] Fig. 2C is a detailed illustration of the frontal section of a WAC, as shown in Fig. 1, with a securing-pin in a closed state.

[0038] Fig. 3A is an illustration of a WAC viewed from the rear. The WAC is shown in a stretched state.

[0039] Fig. 3B is an illustration of a WAC viewed from the rear. The WAC is shown in a compact state.

[0040] Fig. 4A is an illustration of two stretched-state WACs placed in a front to front position prior to being connected.

[0041] Fig. 4B is a detailed illustration of a section of a frontal wheel axial structure (FWAS) that serves in connecting two WACs, thus connecting two strollers to a single stroller unit.

[0042] Fig. 5 is an illustration of two stretched-state WACs connected front to front.

[0043] Fig. 6 is an illustration of two compact-state WACs connected front to front.

[0044] Fig. 7 is an illustration of two strollers in accordance to the present invention, connected in a stretched longitudinal train-state with the frontal seat swirled perpendicularly to the rear seat.

[0045] Fig 8 is an illustration of two strollers in accordance to the present invention, connected in a compact longitudinal train-state.

[0046] Fig. 9 is an illustration of two strollers in accordance to the present invention; connected in a side-by-side state.

[0047] Fig. 10A is an illustration of an apparatus for connecting the push-handle of two strollers in accordance to the present invention in a locked position.

[0048] Fig. 10B is an illustration of an apparatus for connecting the push-handles of two strollers in accordance to the present invention in a semi-opened position.

[0049] Fig. 10C is an illustration of an apparatus for connecting the push-handles of two strollers in accordance to the present invention in an opened position.

[0050] Fig. 11A is an illustration of an assembled swirl-wheel apparatus used in a stroller in accordance to the present invention.

[0051] Fig. 11B is an illustration of a disassembled swirl-wheel apparatus used in a stroller in accordance to the present invention.

[0052] Fig. 12A is a detailed illustration of the components of the seat apparatus shown in Fig. 8 and Fig. 9.

[0053] Fig. 12B is a detailed illustration of an assembled seat apparatus shown in Fig. 8 and Fig. 9.

[0054] Fig. 13 is a detailed illustration of two not identical strollers positioned to be connected in a longitudinal train-state.

[0055] Fig. 14 is an illustration of the components of two not identical strollers, positioned to be connected in a longitudinal train-state.

[0056] Fig. 15A is an illustration of two not identical strollers connected in a stretched longitudinal train-state.

[0057] Fig. 15B is an illustration of two not identical strollers connected in a compact longitudinal train-state.

[0058] Fig. 16 is an illustration of two not identical strollers connected in a stretched longitudinal train-state with the seats facing each other.

[0059] Fig 17A is a side-view illustration of a single, compactable stroller, as shown in Fig. 14 in an assembled and ready to be rolled state.

[0060] Fig 17B is a side-view illustration of the stroller in Fig. 17A in a folded and minimized state.

[0061] Fig. 17C is an illustration of the components of two not identical strollers, connected in a side-by-side configuration.

[0062] Fig. 18 is an illustration of a single stroller with a wheels axial-structure with a two parallel-bars assembly.

[0063] Fig. 19 is an illustration of two connected strollers as shown in Fig. 18, in a longitudinal train-state.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

[0064] The present invention is directed at a stroller device that enables the user to reversibly engage or connect (i.e. may be disconnected later) with ease two strollers to obtain a single stroller-unit. The connection can be by either coupling the two strollers in a longitudinal train-state or in a side-by-side state. When connecting, the distance between the connected strollers can be varied at will, from a "compacted" state, referred to as a state where the seats are close to each other, to a "stretched" state, where the seats are wide apart. In the "stretched" state the back of the seats of the frontal seating-position may be reclined substantially more than in the "compacted" state, adding to the comfort of transport. In the compacted state the footprint of the stroller-unit is considerably reduced as compared when in the extended "stretched" state, enabling easier maneuverability in crowded and narrow locations such as when traveling in narrow elevators or strolling along aisles in a shop.

[0065] When in a longitudinal train-state the direction of the two seats in the stroller-unit can be varied to either having both seats facing the direction of advancing, having the front seat facing the back seat, or having the seats perpendicular to each other. Together with the side-by-side state of the stroller unit, where the seats are positioned in parallel to the direction of advancing, the person guiding the stroller-unit can at will determine the sitting interaction between the two children in the stroller-unit, depending on circumstances and mood of the children.

[0066] Given below are schematic illustrations of the stroller in accordance with the present invention. It should be clear that the description of the embodiments and attached Figures set forth in this specification serves only for a better understanding of the invention, without limiting its scope.

[0067] In order to simplify the text describing and explaining the present invention the following abbreviations are used:

[0068] Seat Support Unit: SSU. The term "seat" refers to include both a proper seat and a cradle or crib for infants. The proper seat can be adjusted and fixed in various sitting states from up right sitting to reclining.

[0069] Wheels Assembly Construction: WAC. The term "wheels" refers to either a single wheel or a pair wheels assembled in parallel in a single functional unit.

[0070] Rear Wheel Axial Structure: RWAS,

[0071] Frontal Wheel Axial Structure: FWAS

Fig. 1 is an illustration of a single stroller 10 in accordance with the present invention. The stroller is composed of a SSU 20 and a WAC 12 connected between them by poles or bars designated 28 (of swirling seat support unit 144, see Fig. 12A). The SSU is composed of a push-handle 22 a seat 24 and a sitting support-rail 26. The WAC is composed of an FWAS 14 and RWAS 34. Two pairs of relatively large side-wheels 70 and 72 are connected to both sides of the RWAS by a curved bar or pole 46 and 48 (seen in Fig. 2A). Each pair of wheels is connected to the end of the connection-bar by a pivot that enables to have the wheels in either a locked, pre-determined position or in freed position, allowing a full free circular movement. The angle of positioning of the wheels 70 and 72 depends on the desired state of connecting two strollers; the implication of which is clarified later in the text. The smaller wheel 74 is either a free swivel wheel or a wheel that can be altered between a free swirl wheel state and a locked, pre-determined position connected by an arm 75 to the FWAS. Further description of the construction of the WAC is given below in the description and explanation of Fig. 2.

[0072] Fig. 2A is detailed illustration of the WAC 12 viewed from the front. The WAC is composed of two parallel and diagonally running poles 30 and 32 rigidly connected at one end to a RWAS 34 and near the other end, running through, without being permanently fixed in place, to a FWAS 14. The FWAR has a securing-pin 36 on its vertical sidewall with an opened and closed positions and a release lever 38 for opening the securing-pin. On being closed the securing- pin locks rigidly in place the poles 30 and 32 of the adjacent stroller, running through the FWAR. Two bores run through the FWAS 40 and 42 parallel and diagonally to poles 30 and 32. The bores, seen more clearly in Fig 2B and 2C, are used for connecting two strollers to obtain a single stroller-unit by joining the WACs of the strollers. The connection mechanism is elaborated in Fig. 4 and Fig. 5, given later in the text. The FWAS and the RWAS are bridged by a segmented bar 50 connected by a hinge 51 to the FWAS and by bearing-rings 44 and 45 (45 seen in Fig. 3A) positioned around the two wheels-connector bars, 46 and 48, running perpendicular from both sides of the RWAS. Bar 50 terminates on the RWAS end with a foot-activator 52 that serves as a step-lever for the compaction of the WAC. The compacting mechanism of the WAC is clarified in Fig. 3A and Fig. 3B given below. The segments of bar 50 are connected by a pivot, designated 58, seen in Fig. 3A and 3B.

[0073] Fig. 2B is a detailed illustration of the frontal section of a WAC, as shown in Fig. 1, with a securing-pin in the FWAS in an opened state.

[0074] Fig. 2C is a detailed illustration of the frontal section of a WAC, as shown in Fig. 1, with a securing-pin in the FWAS in a closed state.

[0075] To further clarify Fig. 2A, Fig. 3A is an illustration of a WAC 12 viewed from the rear and shown in a stretched state. FWAS 14 and RWAS 34 are bridged by a segmented bar 50 connected by a hinge 51 to the FWAS and by bearing-rings 44 and 45 positioned around two bars, 46 and 48, running perpendicular from both sides of the RWAS. Bar 50 terminates on the RWAS end with a protruding foot-activator 52 that serves as a step-lever for the compaction of the WAC.

[0076] Fig. 3B is an illustration of a WAC viewed from the rear, shown in a compact state. Compaction of the WAC is obtained by pushing the step-lever foot-activator 52 groundwards. The movement of the step-lever to a vertical position causes the bar bridging the FWAS 14 to the RWAS 34 to fold at a hinge 58. The bar folding causes overlapping segments of the bar, 60 and 62, to disengage. With bar 50 folding FWAS is slid on the poles, 30 and 32, towards the RWAS till both units are in contact. With FWAS slid towards the RWAS the two polls protrude in a "bare" state. The compact state is elaborated in Fig. 6.

[0077] Fig. 4A is an illustration of two stretched-state WACs 12 placed in a front to front position prior to being to engaged with the poles of each WAC, 30 and 32, placed so as to fit into the bores 40 and 42 of the adjacent and matching WAC. The securing-pins 36 in the FWAS 14 of both WACs are opened automatically – pushed by the head of the adjacent stroller-inserting pole and close automatically when the secure pin meets the pole hole (by spring or by the elastic of the material-snap). A detailed illustration of the configuring of the poles 30 and 32, and bores 40 and 42 in a stretched state of a FWAS 14 shown in Fig. 4A is given in Fig. 4B. The securing-pins 36 of each of the FWAS, respectively, is inserted into hole, 19, in poles 30 of the adjacent stroller.

[0078] Fig. 5 is an illustration of two stretched-state WACs 12 connected front to front. Poles 30 and 32 of each WAC are inserted into the matching cavities 40 and 42 (seen in Fig. 2A and 4B) in the adjacent WAC and the securing-pins 36 in both WAC in a locked state.

[0079] Fig. 6 is an illustration of two compact-state WACs engaged front to front. With the FWAS 14 and the RWAS 34 drawn close to each other in both WACs the poles 30 and 32 in each WAC are inserted into the cavities 40 and 42 (seen in Fig. 2A and 4B) of the other WAC in a state that places the four poles in a fixed and tight parallel bundle.

[0080] Reversing the activities detailed above reverses the connection of compact-state strollers and reverses the compact state of each of the stroller. The bridging bar 50 is stretched by stepping on segment 62, illustrated in Fig. 3B, and the RWAS is distanced from FWAS by sliding on the polls 30 and 32. The polls 30 and 32 of each stroller are withdrawn from the cavities of the adjacent stroller, 40 and 42 after the releasing of the securing pins 36. In order to separate the strollers the securing pin is released and the strollers are pulled away from each other simultaneously.

[0081] Fig. 7 is an illustration of two strollers 10 engaged in a stretched longitudinal train-state to form a single stroller-unit 11. The SSU 20 and the WAC 12 in each stroller are connected by vertical poles or bars 28 connected to the RWAS. Bar 28 connects to the RWAS by a ring around the wheel-axial bar, 46 and 48, as is further illustrated in Fig 3A, Fig 3B and Fig. 8. The connection of the SSU to the RWAS and the structure of the seat support section and its swirling ability are clarified in detail in Fig. 12A and Fig. 12B. The swirling of the seats enable a full circular motion with ability to fix the seats in 90 degree swirling increments, facilitating to seat two infants in either a facing position, a back-to-front position, a side by side position or in a perpendicular 90 degree angle sitting positions, as shown in the Figure. The push-handle 22 in the SSU can be folded by the aid of a pivot 23 on both sides of the handle, thus eliminating obstruction when two strollers are connected. The folding of the push-handle also assists in maneuvering with the stroller in a narrow and/or crowded location. When WAC are connected wheel 74 of each stroller is drawn near the FWAS by pulling the bar-arm connection 75 (see Fig. 1) through a position-fixing tube 77. The placement of the fixing tube 77 in the FWAS is shown in 2B, and 4B When two WAC are connected the side wheels 70 and 72 roll on the ground while the wheel 74 of both WAC are kept in an elevated position, not touching the ground. The side wheels 70 and 72 in the front, in the direction of movement, may be left to swirl freely while the side wheels at the back are fixed in place in the direction of movement. The ability to lock or fix the wheels in 90 degrees increments is elaborated in Fig. 11B.

[0082] Fig 8 is an illustration of two strollers 10 connected in a compact longitudinal train-state to a single stroller unit 11. Figure 8 illustrates the positioning of the two SSU of the

strollers in closer vicinity than the positioning in stretched-state, as shown in Fig. 7, thus enabling easier maneuverability with the stroller-unit 10. A leg-rest (17a, 17b) is provided for supporting the legs of the infant sitting on the stroller, bearing in mind the fact that in the process of growing the legs become longer, rendering the leg-rest unnecessary, in which case it is folded away, leaving room for the longer legs (also see Fig. 15A).

[0083] Fig. 9 is an illustration of two strollers 10 connected in a side-by-side state to form a single stroller-unit 11. The WAC of the two strollers are connected in a compact-state, as illustrated in Fig. 6 and Fig. 8, and wheels 70 and 72 positioned in the breadth-direction of advancement of the stroller-unit 11. To improve the maneuverability of the stroller 11 in a side-by-side state, depending on circumstances, the frontal direction wheels and/or the back direction wheels of the connected strollers can either be pre-directionally fixed in place of left to be rotationally free to swirl in the advancing direction of movement. See bellow Fig. 11A and Fig. 11B for illustration and explanation of the wheels apparatus. The push-handles 22 of both strollers are connected by a bridging apparatus 80 illustrated in detail in Fig. 10A, 10B and 10C. The mechanism of connecting the push-handles 22 can be of various constructions. The connection, as shown in Fig 10A to Fig. 10C, is a typical example of such a connection mechanism.

[0084] Fig. 10A, 10B and 10C illustrate in a sequence the opening (or closing, if viewed from 10C to 10A) of the bridging apparatus 80 connecting the push-handles of two strollers, as shown in Fig. 9.

[0085] Fig. 10A is an illustration of an apparatus for connecting the push-handle of two strollers in a side-by-side state in accordance to the present invention in a locked position. Apparatus 80 comprises two units, 88 and 89 each positioned on another stroller. Each of the units is hinged by a tube that surrounds push-handle tubes 83 and 85, respectively, and has an extending plate 84 and 86 (shown in Fig. 10C). An elongated knob on a pivot 82, positioned on plate 86, is inserted into an elongated narrow cavity 87 in plate 84. By turning the knob by 90 degrees it can no longer exit the cavity and plates 86 and 84 are interlocked.

[0086] Fig. 10B is an illustration of an apparatus for connecting the push-handle of two strollers in a semi-opened position. The knob 82 is turned to be aligned with the narrow cavity 87.

[0087] Fig. 10C is an illustration of an apparatus for connecting the push-handle of two strollers in accordance to the present invention in an opened position. Knob 82 is turned and aligned with the narrow cavity 87. Plate 84 is swirled upwards around tube 85 and liberates the knob 82. Plate 86 is swirled downwards and the push-handles of the two strollers are disengaged.

[0088] Fig. 11A is an illustration of an assembled swirl-wheel apparatus used in a stroller in accordance to the present invention. The connection of a swirl-wheel apparatus 90 in both of the large wheel pairs in the RWAS is illustrated in Fig. 1.

[0089] Fig. 11B is an illustration of a disassembled swirl-wheel apparatus 90, shown in Fig. 11A. Bar or pole 46 and 48 of the RWAS, as illustrated in Fig. 3A and 3B are each inserted into ring fixture 92 which is mounted on a protruding tube 94 extending from an axial-block 96. Ring 92 has a hollow hole 106 running through it and a framed slit on its side 109 opened at the bottom. The protruding tube 94 has four equally circumference-spaced vertically framed slits that have the exact width of the slit on tube 92. A rectangular plate 107 with a handle-ring is inserted trough the slit on ring 92 and into one of the four slits of the protruding tube 94. The slit of choice in the protruding tube determines the connection-direction of the wheels in 90-degree increments. If the rectangular plate is not inserted into the protruding tube 94 the wheels are free to swirl around pole 46, with no pre-determined orientation. On insertion of the plate 106 the angle of the wheels in respect to the RWAS is determined. A securing-pin 108 is inserted trough the ring 92 and through hole 113 in bar or pole 46 of the RWAS, thus connecting and fixing the swirl-wheel apparatus 90 to the RWAS. A pair of cogwheels 100 (only one seen in the figure) connects to the axially center of the internal facing side of the pair of wheels 98 and 99. A stop-paddle is pivotally connected (105) to the axial-block and has protruding bulges that, on lowering the paddle, insert amongst the cogs of the cogwheels 100 and the stroller comes to a stop.

[0090] Fig. 12A is a detailed illustration of some of the components of the Seat Support Unit: SSU designated 20 in Fig. 1. The seat-connection apparatus comprises a seat-base unit 174 and a swirling-seat-support unit 144. The seat-support unit comprises a ring frame 176 positioned horizontally and connected by protruding platform-plates 196 to two vertical support bars 28 that connect to the RWAS. The ring frame 176 has four evenly spaced horizontal holes 192 in the circumference running horizontally through the middle of the wall of the ring. A securing-pin with a handle 182, having a spring 184 and a screw

nut 186 are provided for securing the seat-base unit in place in the seat-support unit. The seat-base unit 174 comprises a ring 188 that fits and "wraps around" the circumference of the seat-base unit 144 and protrudes from a plate 190 in which the ring is embedded. The seat-support ring 188 has horizontal two holes in the circumference running horizontally through the middle of the wall of the ring placed across from each other and both fit to align with the holes of the seat-support frame ring 176. The locking and securing of the swirl seat-support unit 144 to the seat-base unit 174 is done by inserting the securing-pin 182 through one of the holes, designated 194, in the "wrapping" ring 188 and through an aligned hole in the "Wrapped" 176. The decision which of the holes in ring 176 will be aligned with the insertion hole in ring 188 determines the direction positioning of the seat-base unit 174 of the swirl-seat support unit. In connecting the seat-base unit 174 with the seat support unit 144, spring 184 is compacted and keeps the securing-pin 182 in tension so that when hole 194 is aligned with hole 192 by the swirling of ring 188, the securing-pin will be automatically inserted into 192 by the power of the spring. Spring 184 is connected to nut 186, so that when pin 182 is drawn out from the hole spring 184 pulls the pin inwardly, so that when the pin is in front of a hole the pin locks the seat in position.

[0091] Fig. 12B is a detailed illustration of an assembled seat-connection apparatus whose components are shown in Fig. 12A.

[0092] Another embodiment of the present invention is an easy and comfortable connection of two not identically composed strollers, shown in Fig. 13 through Fig. 17B

[0093] Fig. 13 is an illustration of two disassembled strollers, designated 120 and 122, having different compositions in a position to be engaged in a longitudinal train-state. For a better understanding Fig. 13 should be viewed together with Fig. 14. Stroller 122 comprises a hollow bar 124, encompassed on one end by sliding ring-bar 128 and on the other end having two "L"-shaped plates, designated 143 and 145, that protrude vertically on both sides of bar 124. The "L"-shaped plates are pivotally connected to connector 227 on bar 124 and wheel axis designated 47. The sliding ring bar 128 has a reversible snapping mechanism 250 that snaps into bar 124 and locks ring bar into place on bar 124. On releasing the snapping the sliding bar is free to move. Sliding ring bar 128 has two flanks 132 running diagonally downward in both side-directions. Wheels 134, 136, are connected by connecting-support bar 150, which can be locked in an engaged lower position or raised to a disengaged position through slots 148 of each flank and (see Fig. 14 for elaboration). The wheels can be folded and lifted upward, towards bars 124 pulling and

changing the state of the support bar 150 in slot 148. Stroller 120 comprises a hollow bar 126, encompassed on one end by sliding ring-bar 130 adjacent to a sliding ring bar 152 and having on the other end having two "L"-shaped plates, designated 142 and 140, that protrude vertically on both sides of bar 126. The sliding ring bar 152 has a reversible snapping mechanism 252 that snaps into bar 126 and to sliding bar 130, locking the ring bar into place on bar 126. On half releasing the snapping the sliding bar is free to move connected sliding bar ring 152. Full releasing, allows removing the sliding bar 130 with the connected wheels 138,139 (the wheels of the other stroller can also be removed similarly). A "U" shaped bar 141 is pivotally connected at 141a to the axis points of connector 227 and points 141b are connected to connection points 155a of "U" shaped bar 155. Points 155b of "U" shaped bar 155 are connected to connecting points 152a of sliding ring bar 152 (see Fig. 14 for further clarification). By stepping down on bar 141 sliding bars 152 and 130 slide along bar 126 towards the "L"-shaped plates and bar 155 rises vertically from bar 126, so that the two strollers are drawn together to a compact state. In order to return to the stretched position bar 155 is activated, forcing the compacting mechanism back.

[0094] The "L" plates 140 and 142 of stroller 120 and plates 143 and 145 of stroller 122 are pivotally connected to connector 227 of bar 126 (and similarly to bar 124).

[0095] Curved bar 47 is perpendicularly and fixedly connected to the corners of the "L" shaped plates, 140 and 142. The bar runs through the "L" plates and has swirl wheel mechanisms 90 connected at both ends. The swirl wheel mechanism 90, as clarified in Fig. 11B, can be fixed at different angles.

[0096] Sliding ring bar 130 has two flanks 132 running diagonally downward in both side-directions. Wheels 138, 140, are connected to the bottom end of the flanks by a slot 148 (better seen in Fig. 14) and the flanks of each two wheels are held rigidly in place by a connecting-support bar 150 engaging the two flanks (see illustrated in Fig. 14 of elaboration). The wheels can be folded and lifted upward, towards bars 124 pulling and changing the state of the support bar 150.

[0097] To connect stroller 120 to stroller 122, sliding ring bar 128 is connected to sliding bar 130 using reversible locking mechanism (protruding snap pin 256 on bar 128 and catcher 258 on bar 130). The reversible snapping mechanism 252 and snap 250 (on sliding ring bar 128) are released from bar 124 and 126. Bar 126 is inserted into bar 124 and simultaneously, bar 124 is inserted into sliding bar 130 and sliding bar 152. When bar 124

reaches inside sliding bar 152, the reversible snapping mechanism 252 locks it in position. The wheels 134, 136 of stroller 122 and wheels 138, 139 of stroller 120 can be disengaged by raising them.

[0098] The sliding ring bars 128 and 130 of strollers 122 and 120, respectively, that support the wheels, can be individually of both removed when connecting the two strollers 120 and 122, leaving four ground rolling wheel-units without additional suspended wheels. The "L" plates (140, 142 in stroller 120 and 143, 145 in stroller 122) in both strollers support on the top a swirling seat-connection unit 135, which supports a seat 146. The push-handles 220 of the strollers, 120 and 122, comprise of folded open-ended rectangle bar 222 that can be either stretched or inserted, at will, through connection tubes 226 and into receiving tubes 224, fixed on both sides of the seat 146. See Fig. 14 for the stretched and compacted states of the push-handles.

[0099] The seat 146 has either an opened, "seatable" state or a folded, compacted state. To understand the transition from one state to the other Figures 13, 14A, 14B, 17A and 17B should be viewed. When in an opened position bar 232 is locked at an angel of about 45 degrees by bar 230, which is pivotally connected to the seat 146. Bar 232, on both sides of the seat, holds the push- handles 220 in an upright "pushable" angle. When folding the seat, a securing pin protruding from opposite sides of the seat, and which resides inside groove 232a of bar 232 (bars 232 are symmetrical) is disengaged so that the groove is allowed to slide over it until bars 230 and 232 are aligned in a horizontal position.

[00100] To fully fold and compact the stroller (stroller 120) the "L" shaped plates 140 and 142 are folded. See Fig. 17A and Fig. 17B for further clarification.

[00101] Fig. 14 is a detailed illustration of two strollers 120 and 122 positioned to be joined together in a longitudinal train-state. Fig. 14 should be viewed in conjunction with Fig. 15A and Fig. 15B. Stretched state joining of the two strollers is illustrated in Fig. 15A, a compact joining of the strollers is given in Fig. 15B.

[00102] Disengaging of the two strollers, 120 and 122, is done by reversing the activities described above for the joining of the strollers.

[00103] Fig. 16 is an illustration of two strollers 120 and 122 joined in a stretched longitudinal train-state with the seats facing each other. The changing of the angles of the seats 146 is obtained by changing the relative angle of the swirl-seat 146 in respect to the swirling seat-connection unit 135, seen in Fig. 13.

[00104] Fig 17A is a side-view illustration of stroller 120, shown disassembled in Fig. 13 and assembled in Fig. 14. The stroller is illustrated in stretched state and ready for use.

[00105] Fig 17B is a side-view illustration of one of the stroller 120 shown in Fig. 13 and in Fig. 14 in a folded and minimized state. Wheel 90 is raised and reoriented sideways, reducing the overall profile of the folded stroller. The seat and the push handles are horizontally aligned.

[00106] Fig. 17C is an illustration of the components of two not identical strollers, connected in a side-by-side configuration

[00107] Another embodiment of a stroller that can connect to form a multi-seat stroller, in accordance to the present invention, is given in Fig. 18 and Fig. 19.

[00108] Fig 18 is an illustration of a single stroller 200 with a two parallel-bars wheels axial-structure 206. The axial-structure 206 is designed two parallel bars 202 and 204. The bars enable two independent strollers 200 to be connected and form a single stroller state, as seen in Fig.19.

[00109] Fig. 19 is an illustration of two connected strollers 200 as seen in Fig 18, forming a single stroller state 210. The connection of the strollers is done by the attachment of the parallel bars of both strollers.

[00110] The present invention introduces a novel design for strollers, allowing connecting two strollers in a side-by-side and alternatively in train configuration. At the same time, in some preferred embodiments of the present invention the joined strollers can be compacted offering greater maneuverability and comfort.

[00111] Conveniently, the two joined strollers can be easily disengaged and used separately.

[00112] It should be clear that the description of the embodiments and attached Figures set forth in this specification serves only for a better understanding of the invention, without limiting its scope.

[00113] It should also be clear that a person skilled in the art, after reading the present specification could make adjustments or amendments to the attached Figures and above described embodiments that would still be covered by the present invention.

CLAIMS

1. A stroller device comprising at least one carriage, the carriage comprising a support unit for supporting at least one person, typically an infant, a wheels assembly coupled to the support unit, an engagement element for engaging the carriage to another carriage of said at least one carriage, and a pivoting element coupled to the support unit allowing rotating the support unit with respect to the carriage, facilitating the support unit to be rotatably reoriented so as to allow transporting the stroller device such that the support unit of the carriage and the other support unit of the other carriage can be aligned in a train state or alternatively in a side-by-side state.

2. The device as claimed in claim 1, comprising at least two carriages of said at least one carriage.

3. The device as claimed in claim 1, wherein the engagement element comprises at least one bar and a connector provided with a bore for receiving a matching bar.

4. The device as claimed in claim 1, wherein the engagement element comprises a hollow bar with an opening into which a matching bar may be inserted and slide.

5. The device as claimed in claim 1, comprising a compacting mechanism so as to facilitate reducing and alternatively increasing the footprint of the stroller device, when the stroller device comprises at least two carriages.

6. The device as claimed in claim 5, wherein the compacting mechanism comprises a foot actuator.

7. The device as claimed in claim 1, wherein the wheels assembly comprises at least three wheels.

8. The device as claimed in claim 1, wherein the wheels assembly comprises four wheels.

9. The device as claimed in claim 1, wherein the carriage comprises a push-handle.

10. The device as claimed in claim 9, wherein the push-handle is foldable.

11. The device as claimed in claim 9, wherein the length of the push-handle is adjustable.

12. The device as claimed in claim 1, wherein the wheels assembly comprises an elevating mechanism for elevating at least one of the wheels with respect to the other wheels.

13. The device as claimed in claim 1, wherein at least one of the wheels is detachable from the wheels assembly.

14. The device as claimed in claim 1, wherein at least some of the wheels of the wheels assembly comprise swivel wheels.

15. The device as claimed in claim 14, wherein the swivel wheels have a fixed position allowing fixing the swivel wheels in at least one orientation.

16. The device as claimed in claim 15, wherein the swivel wheels can be fixed in four perpendicular orientations.

17. The device as claimed in claim 1, wherein the support unit comprises a seat with an adjustable back-rest.

18. The device as claimed in claim 1, wherein the support unit comprises an adjustable leg-rest.

19. The device as claimed in claim 1, wherein the carriage is foldable.

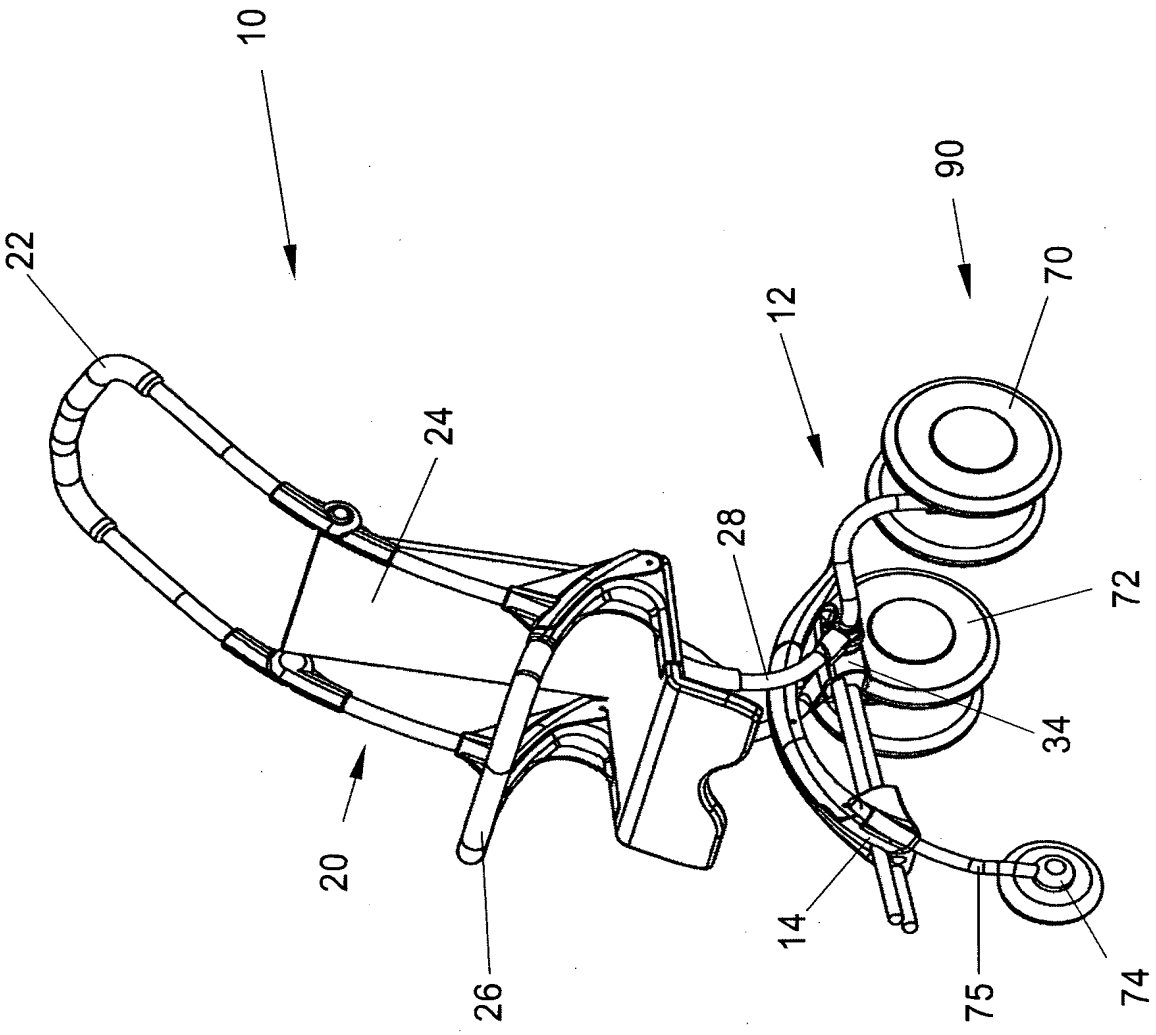


Fig.1

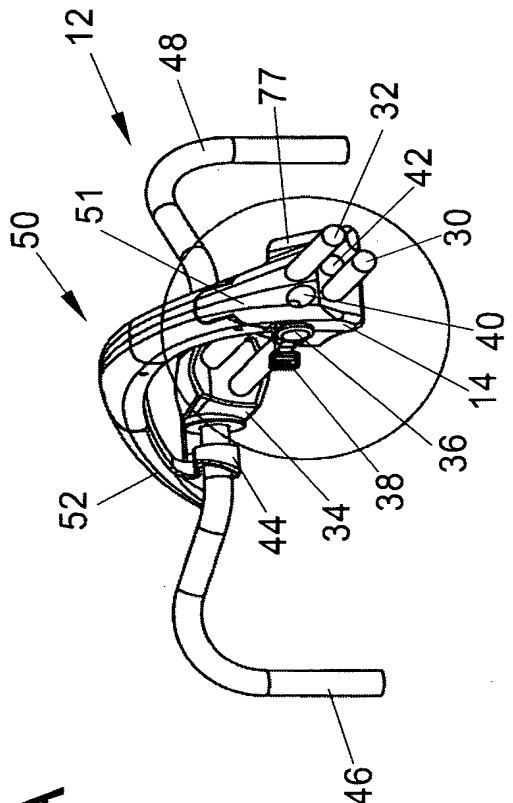


Fig.2A

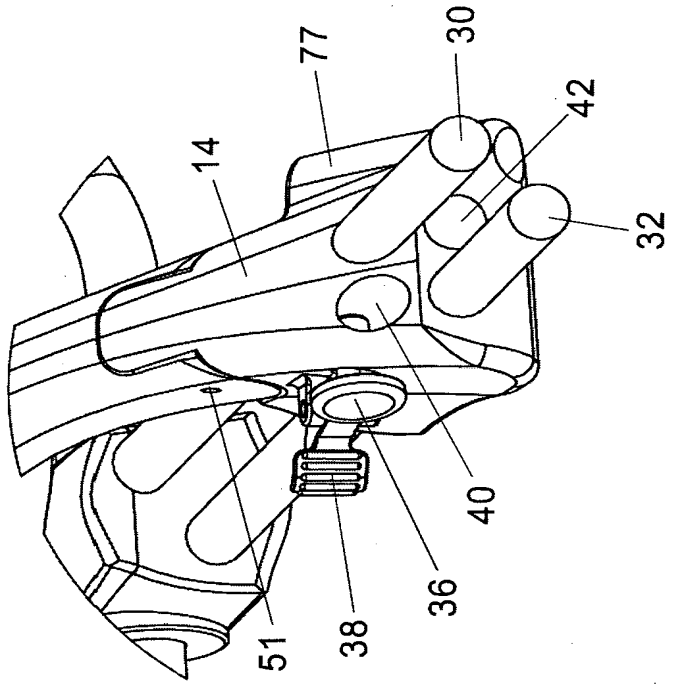


Fig.2C

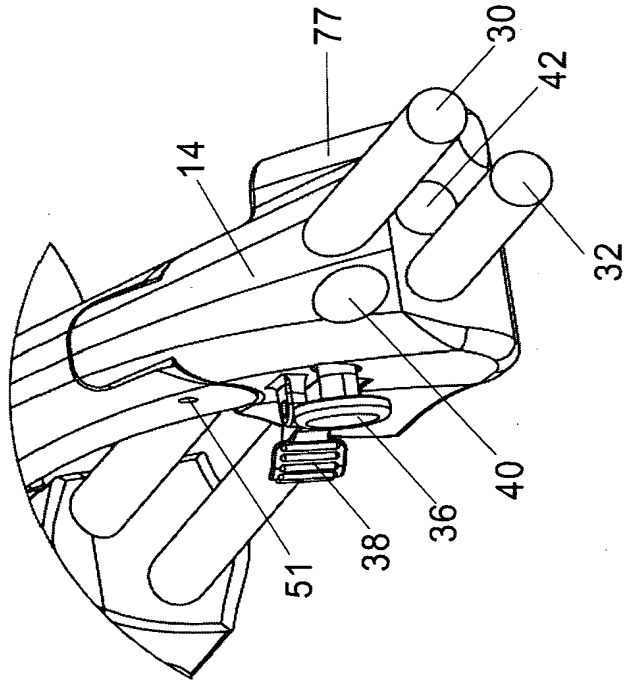


Fig.2B

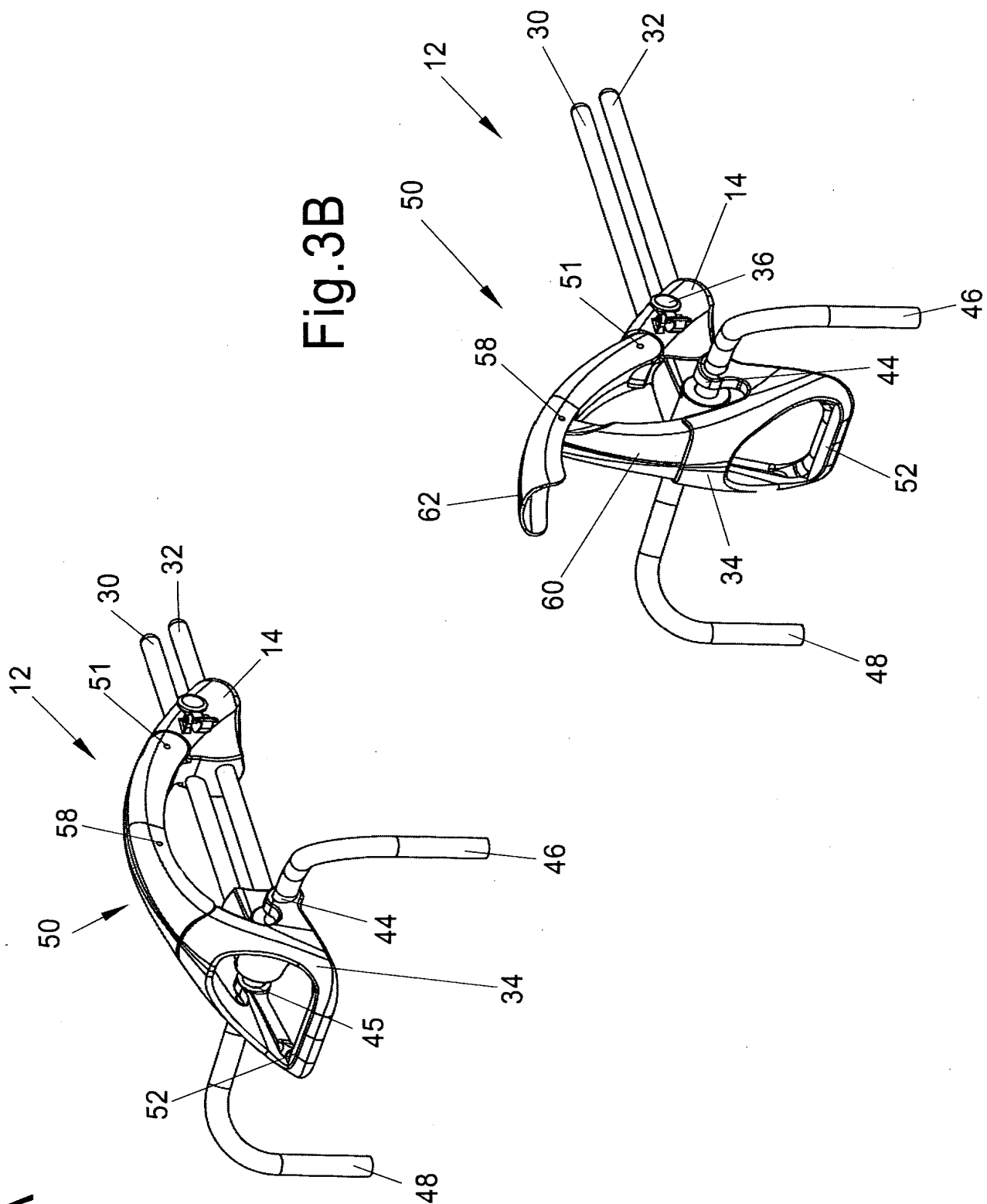


Fig.3A

Fig.3B

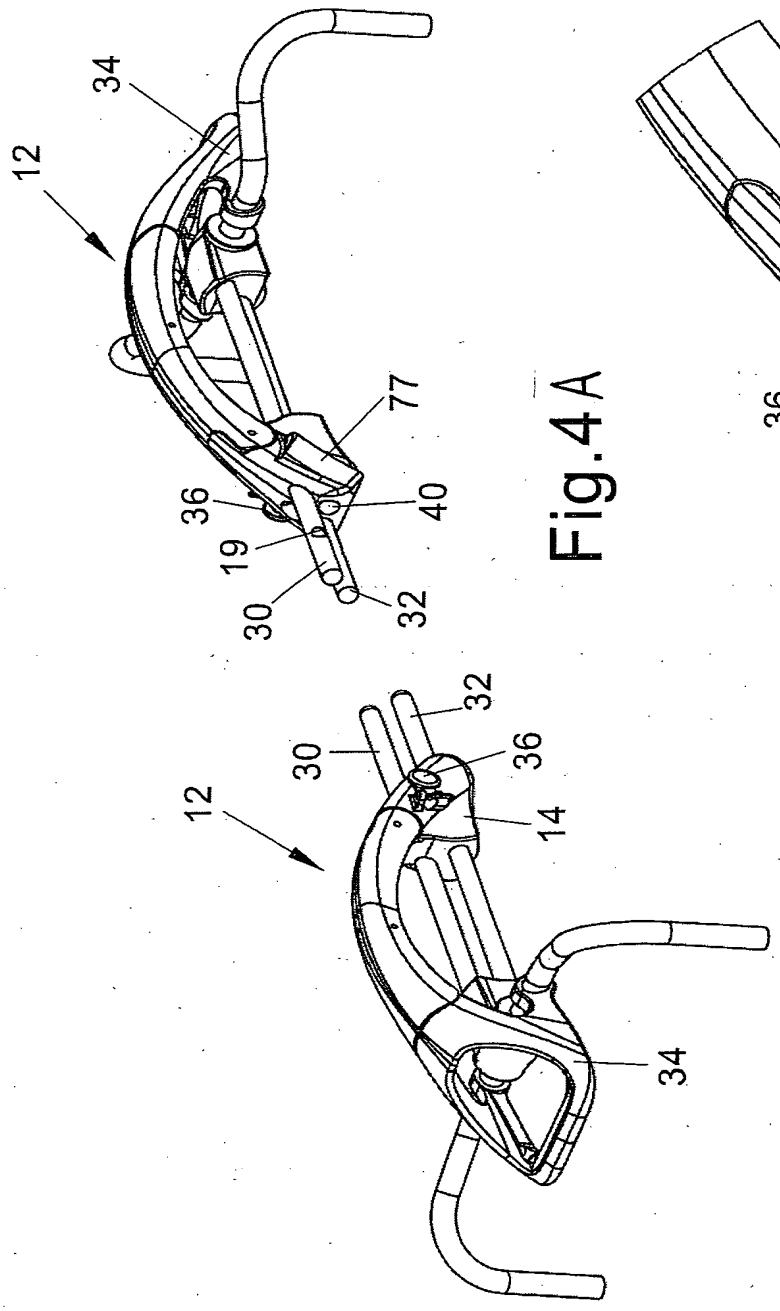


Fig.4A

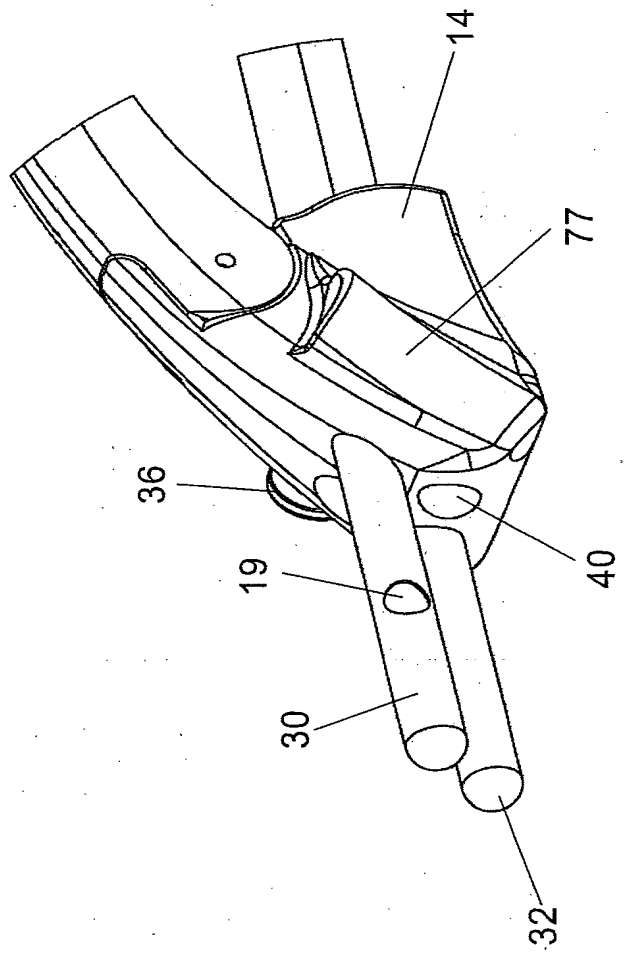


Fig.4B

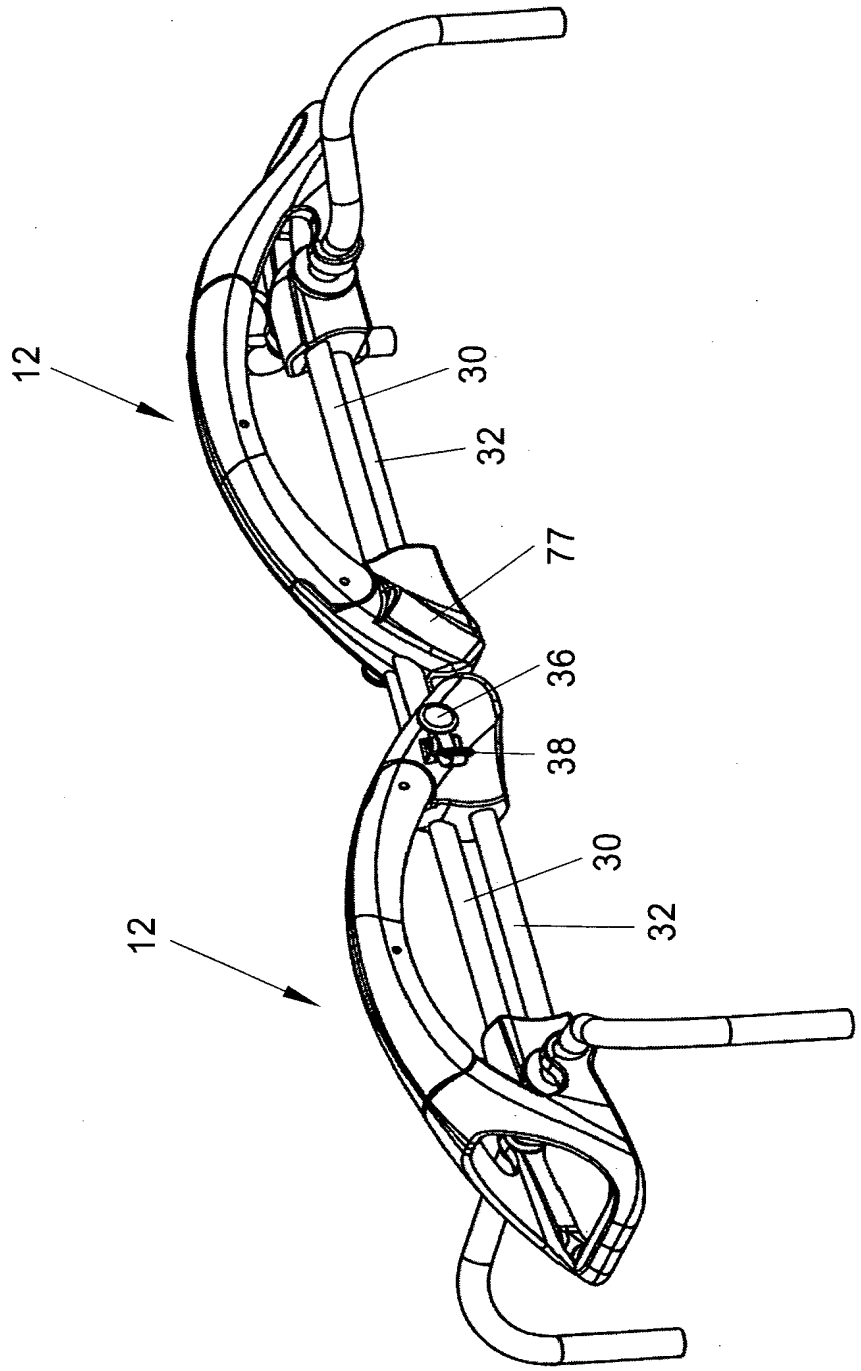


Fig.5

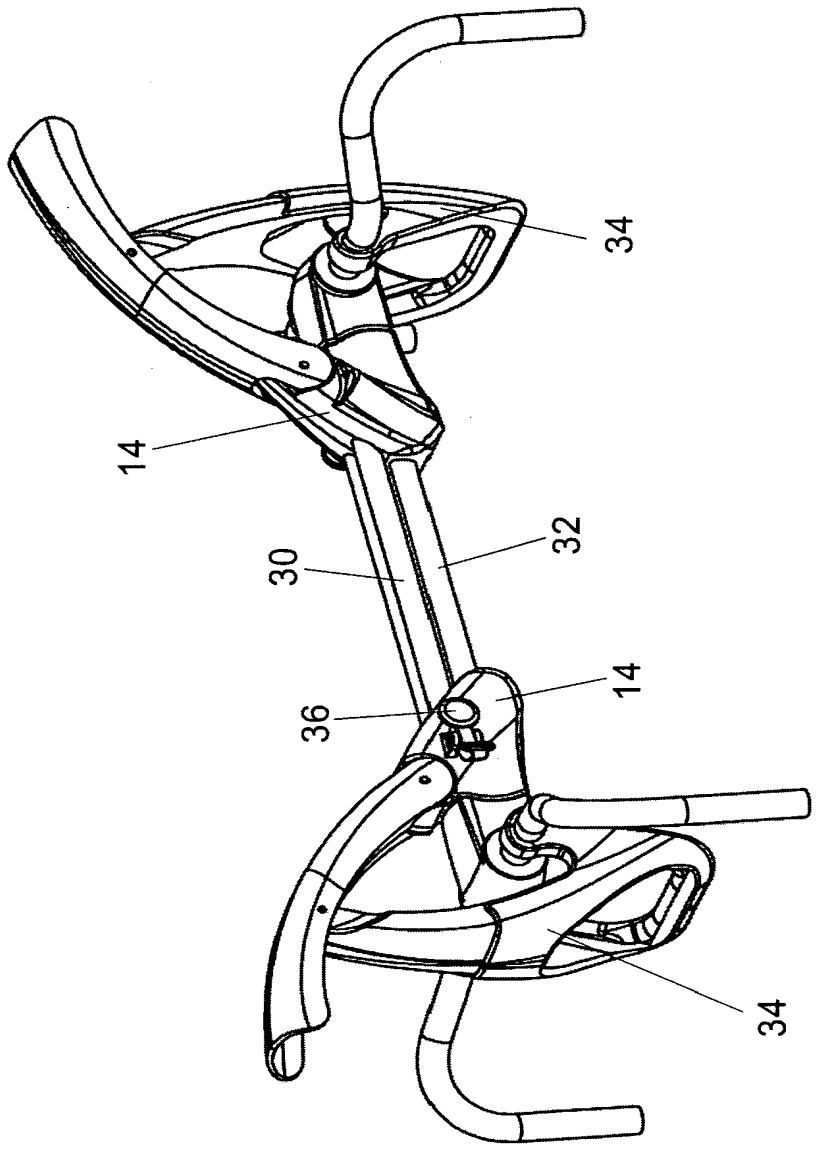


Fig.6

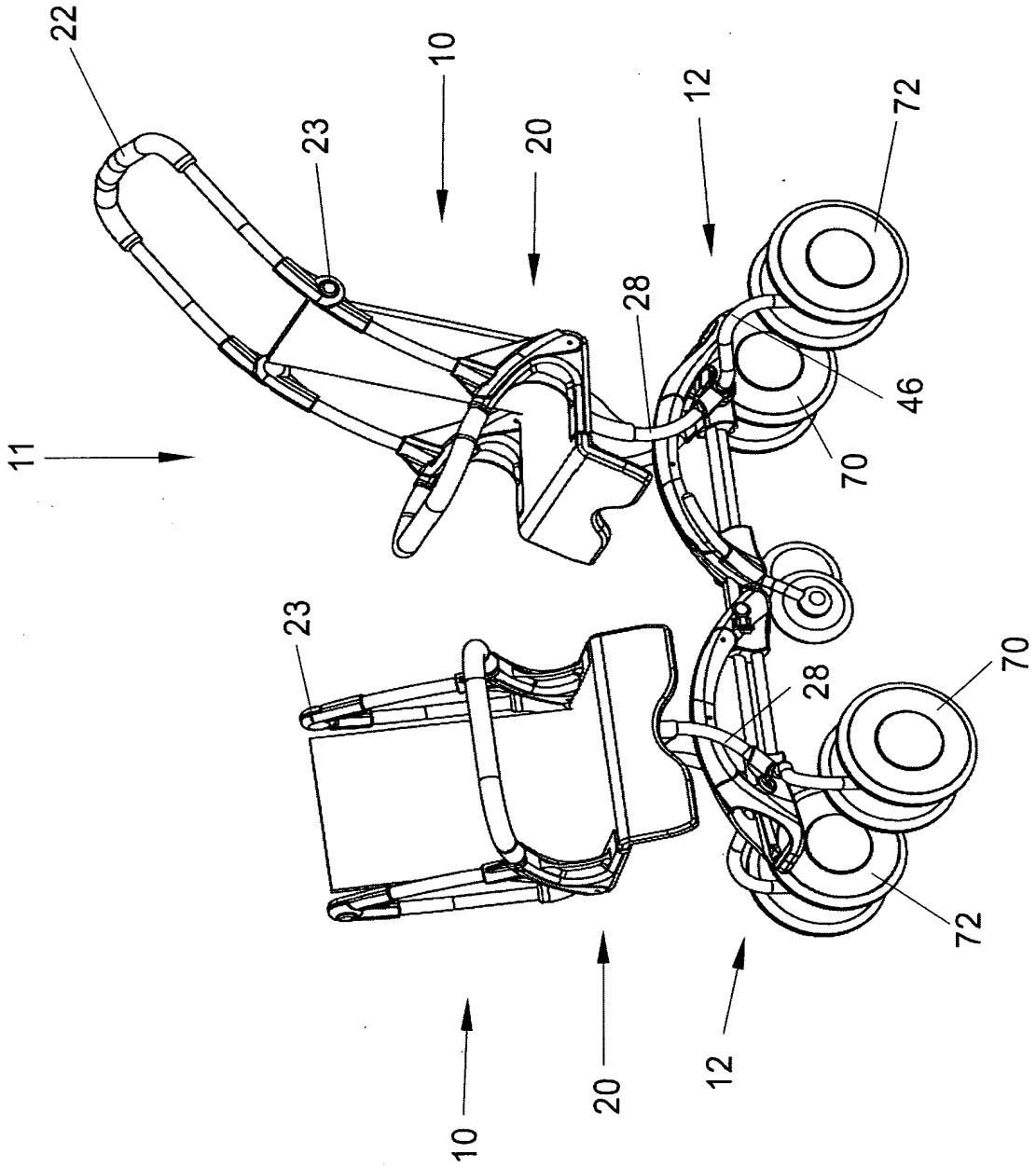


Fig.7

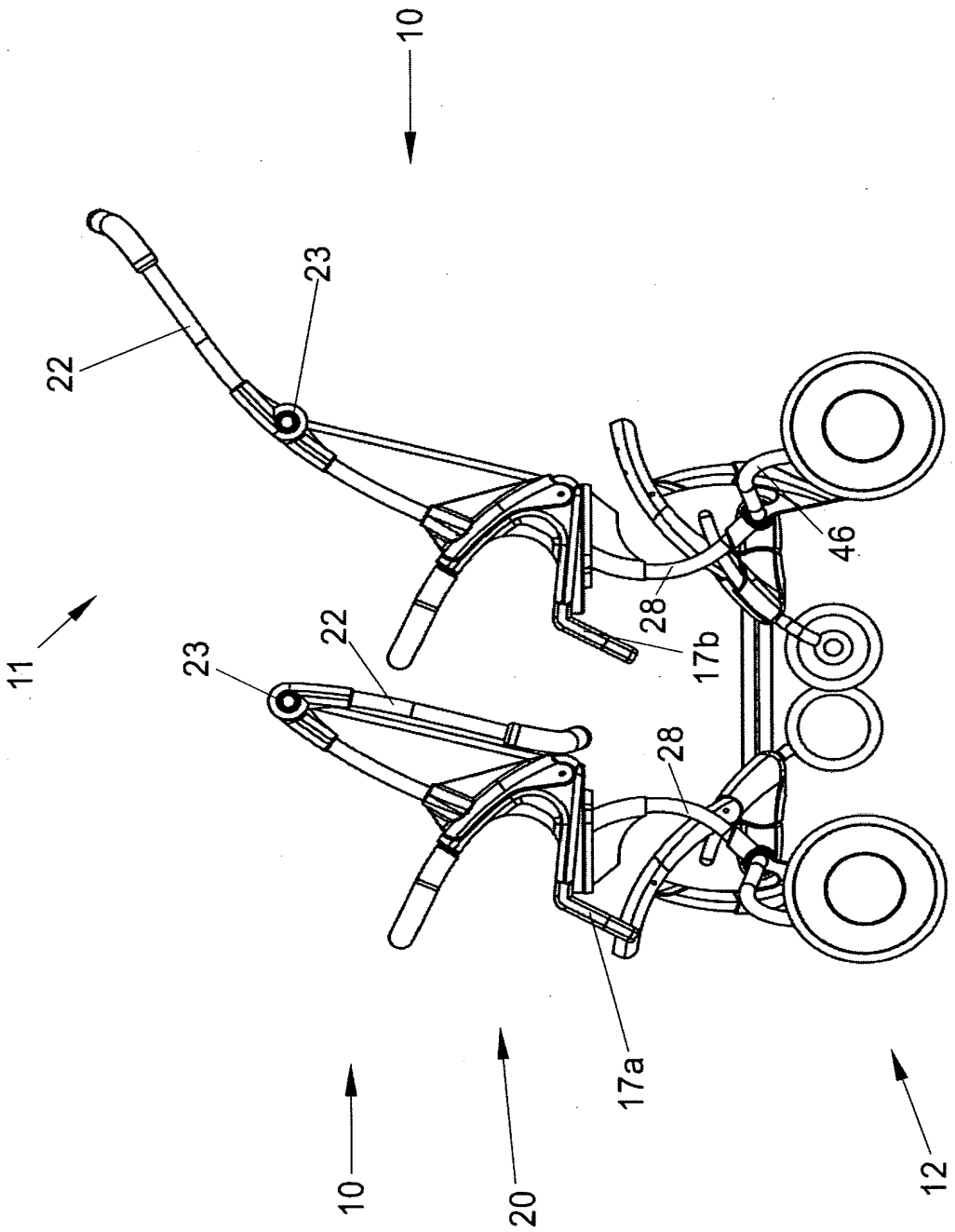


Fig.8

Fig.9

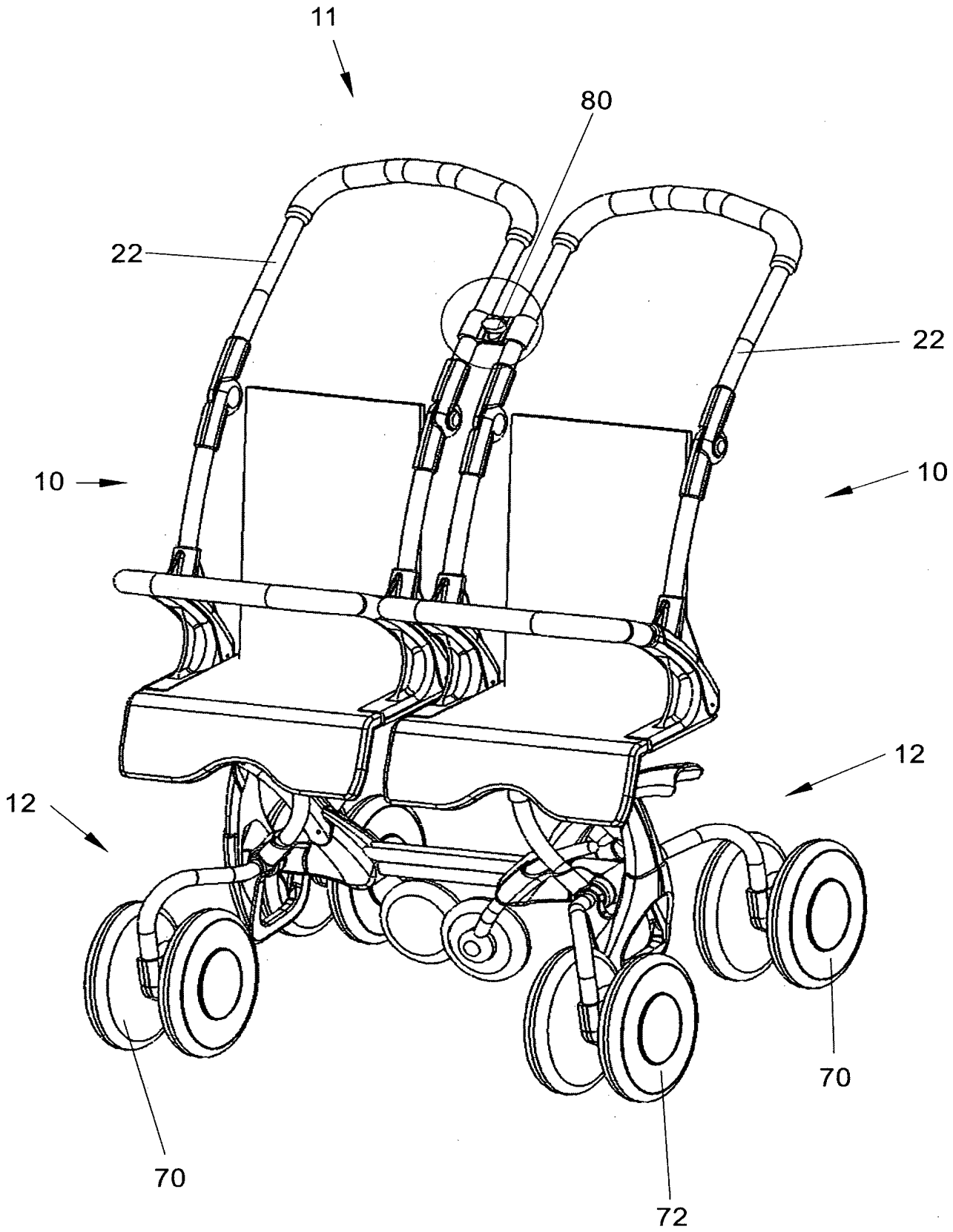


Fig.10A

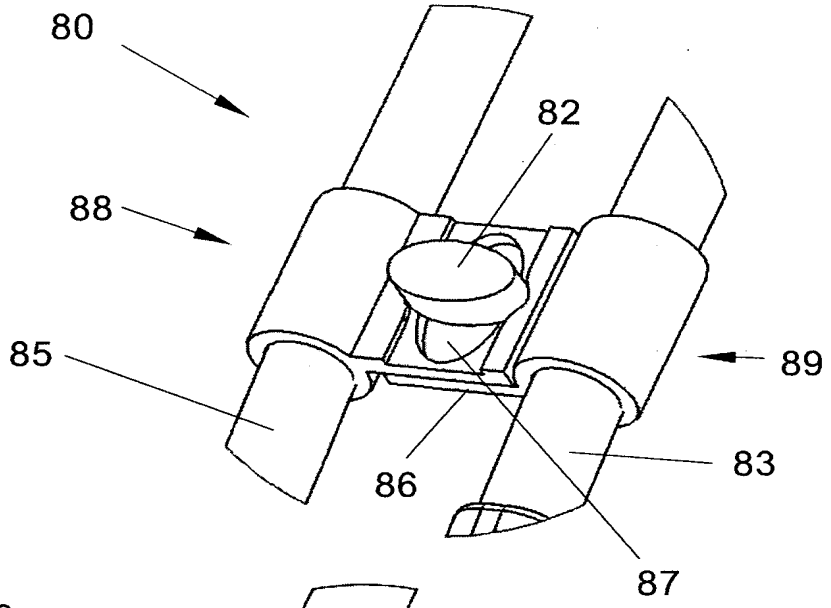


Fig.10B

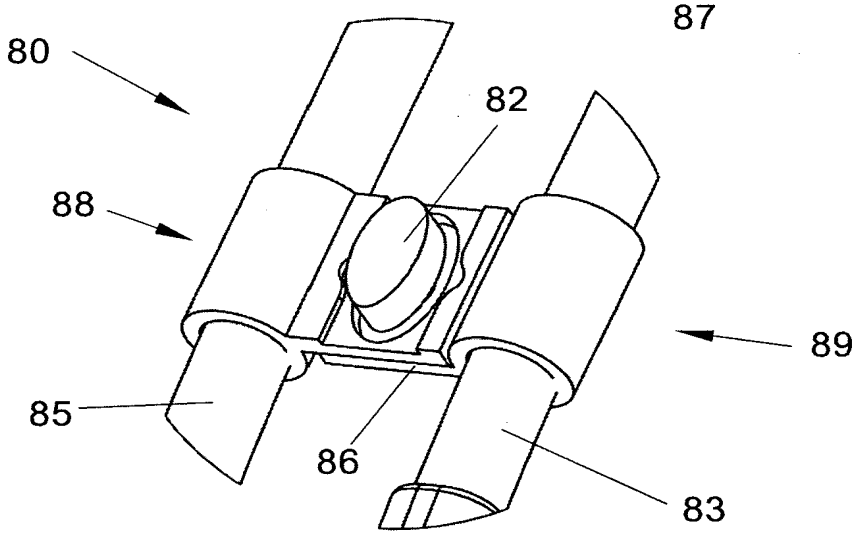


Fig.10C

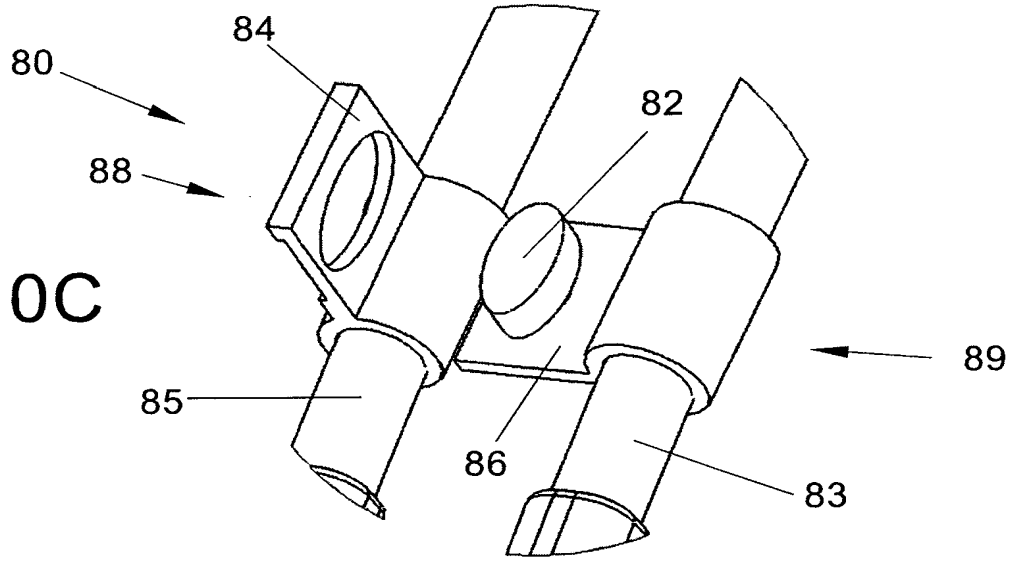


Fig.11A

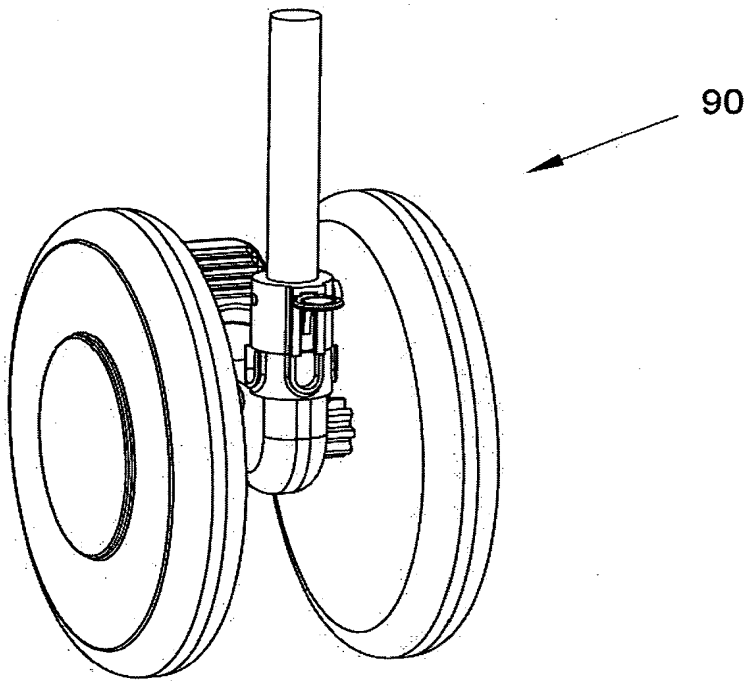


Fig.11B

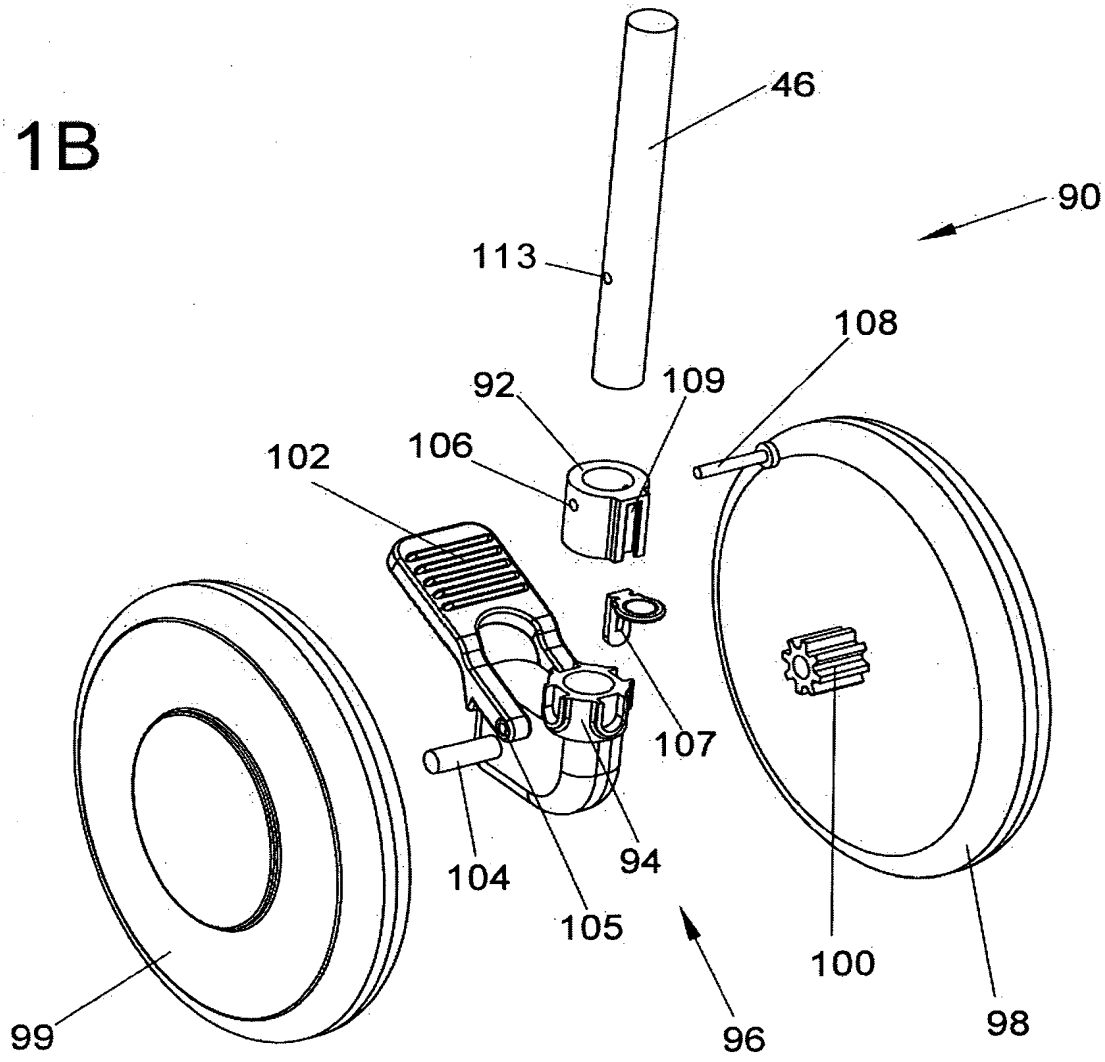


Fig.12A

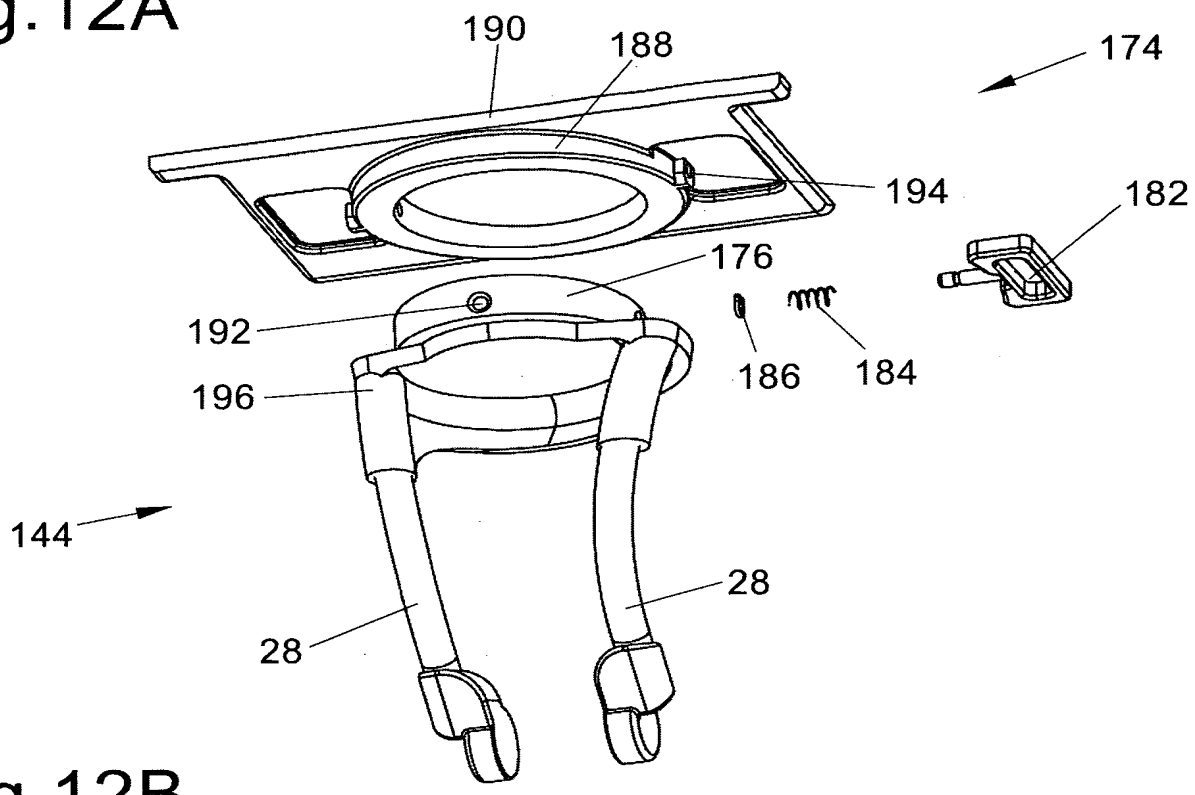
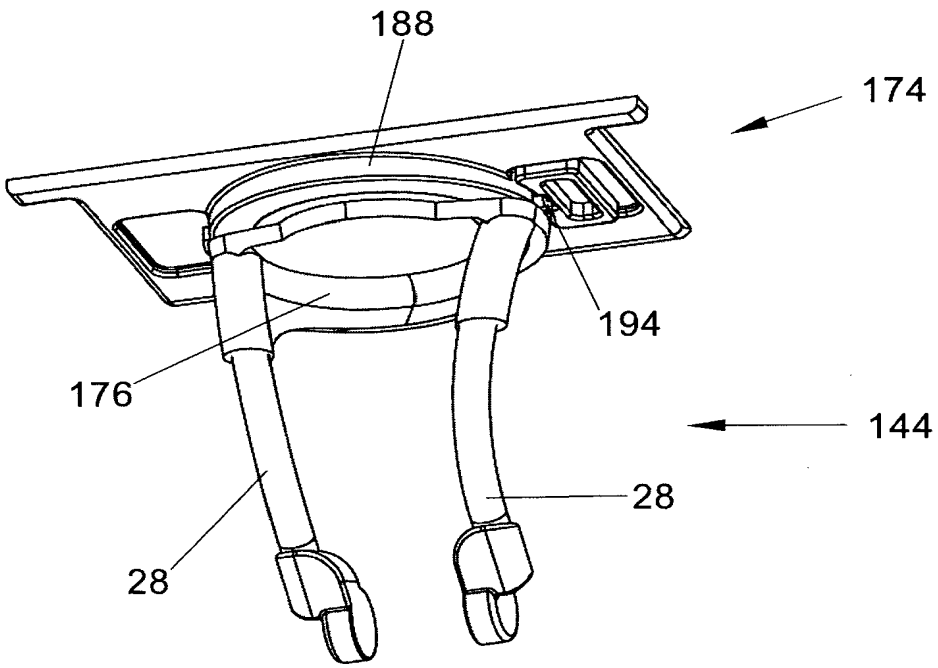


Fig.12B



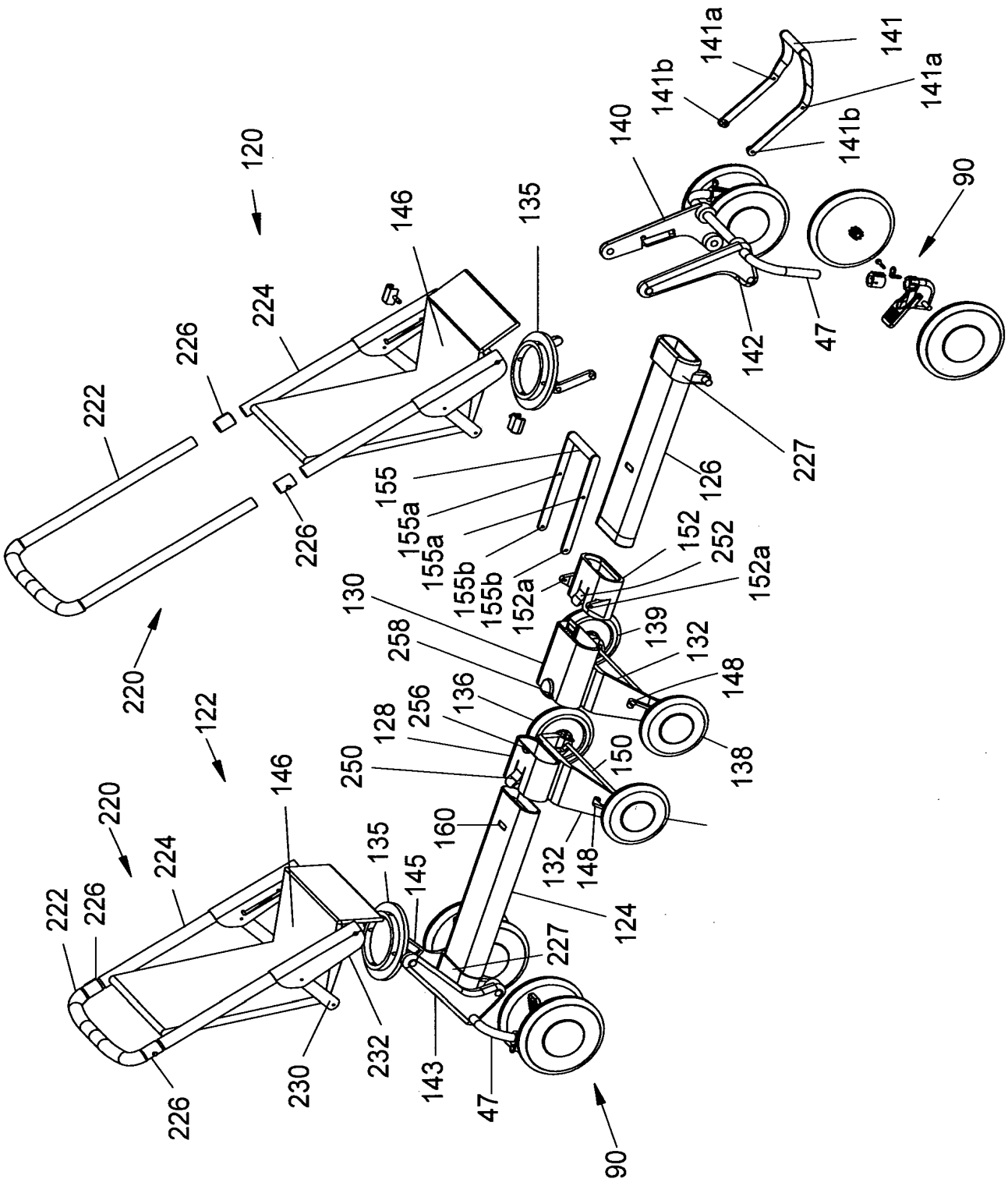

120
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141a
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Fig.13

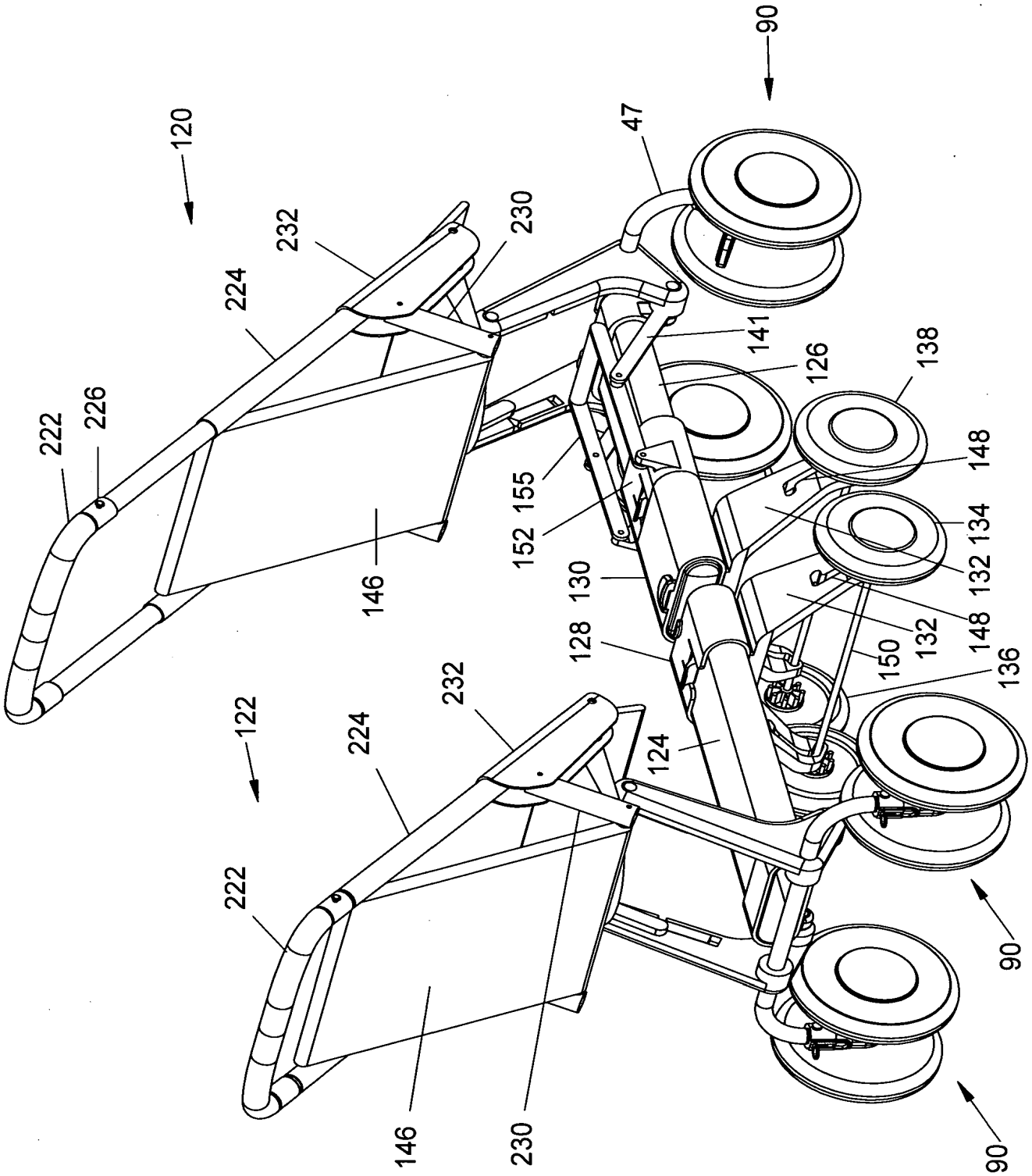

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90

Fig.14

Fig.15A

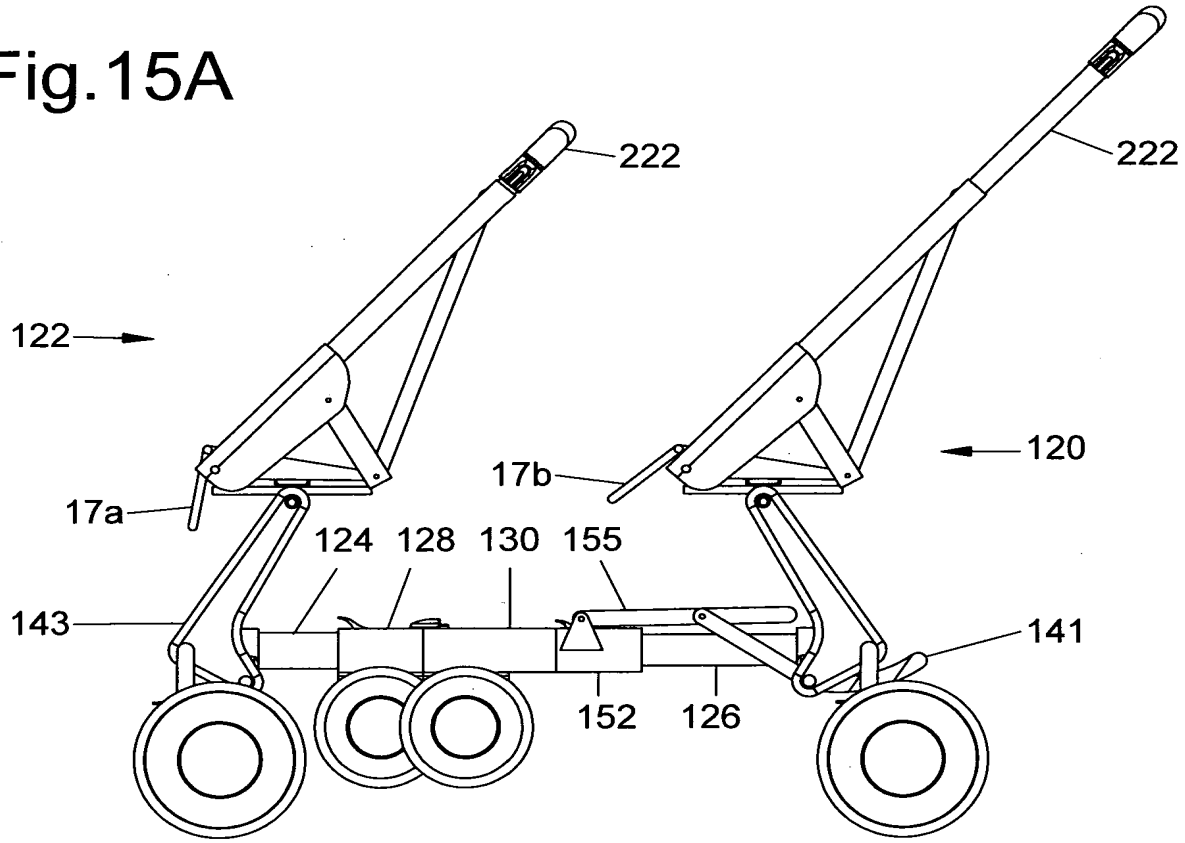
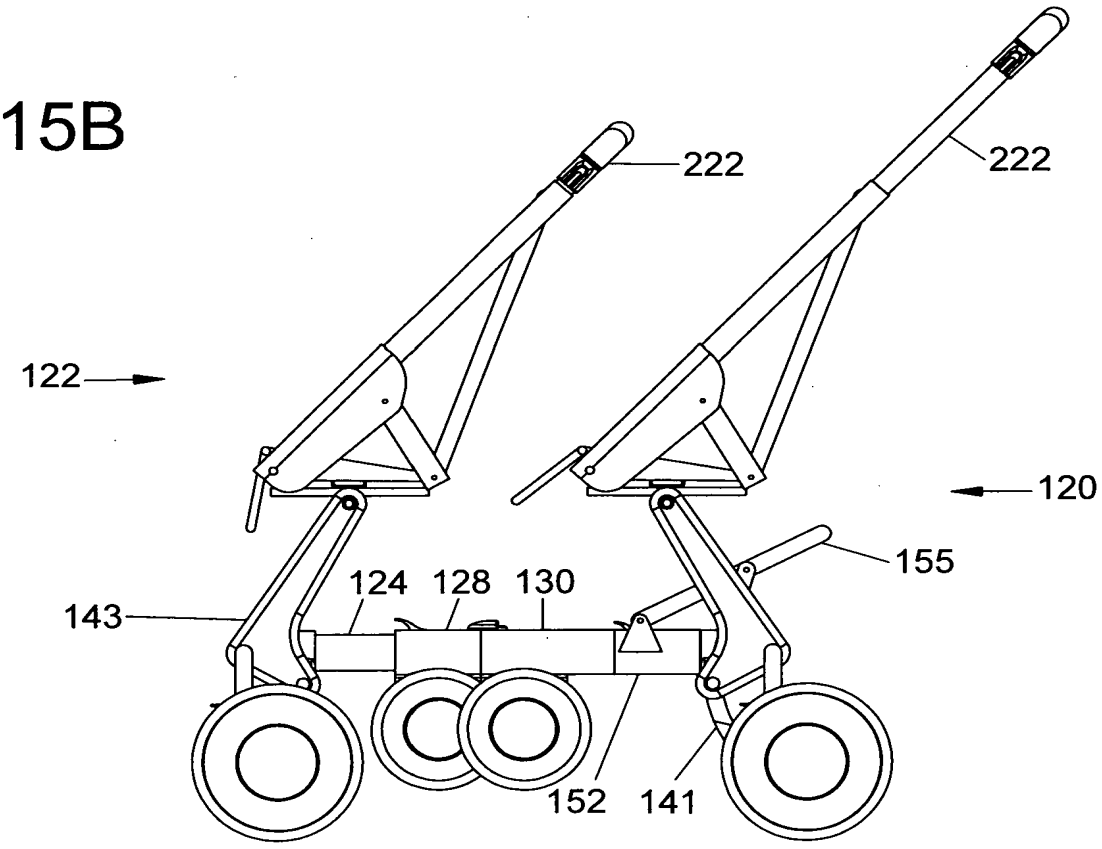


Fig.15B



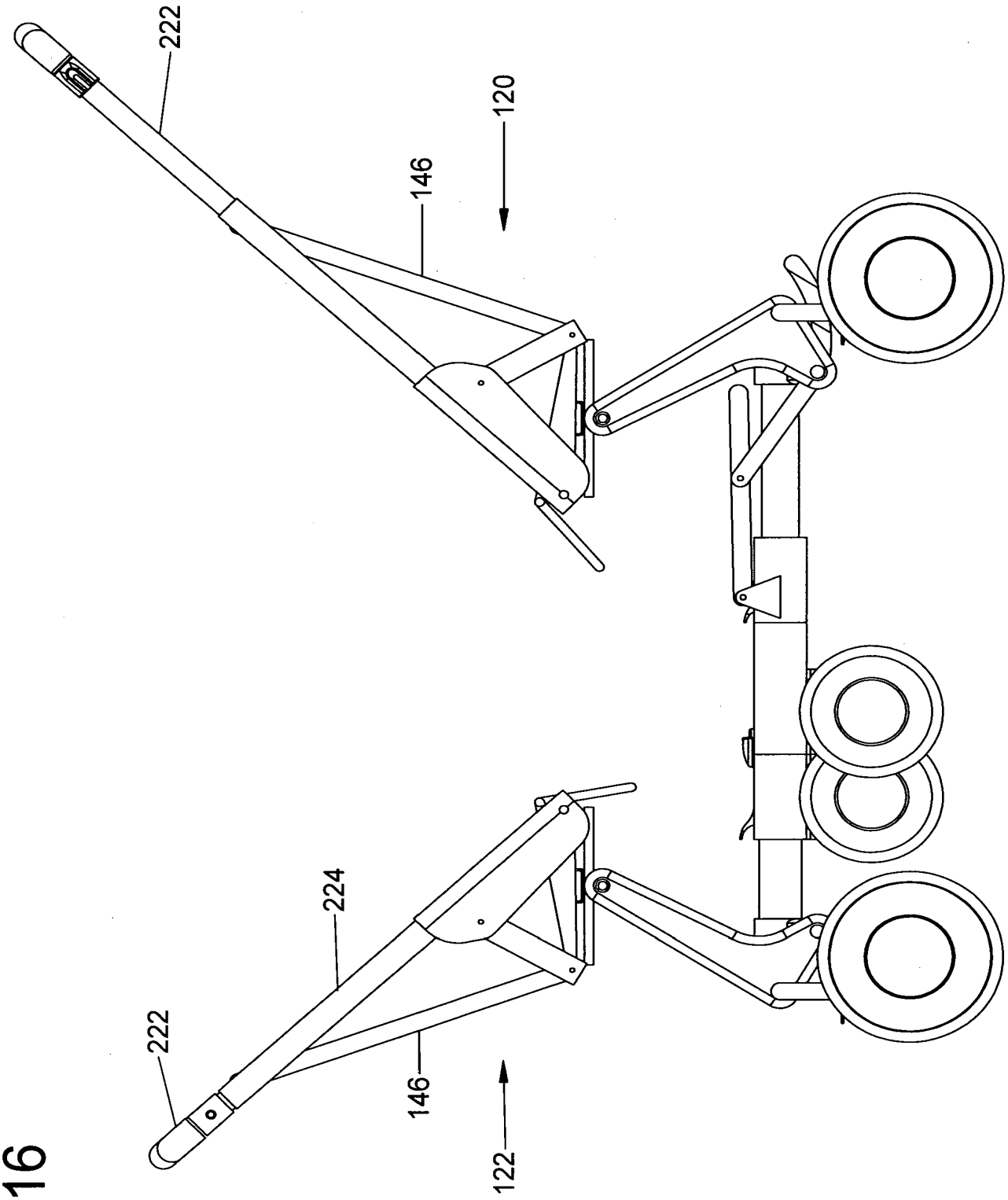


Fig.16

Fig.17B

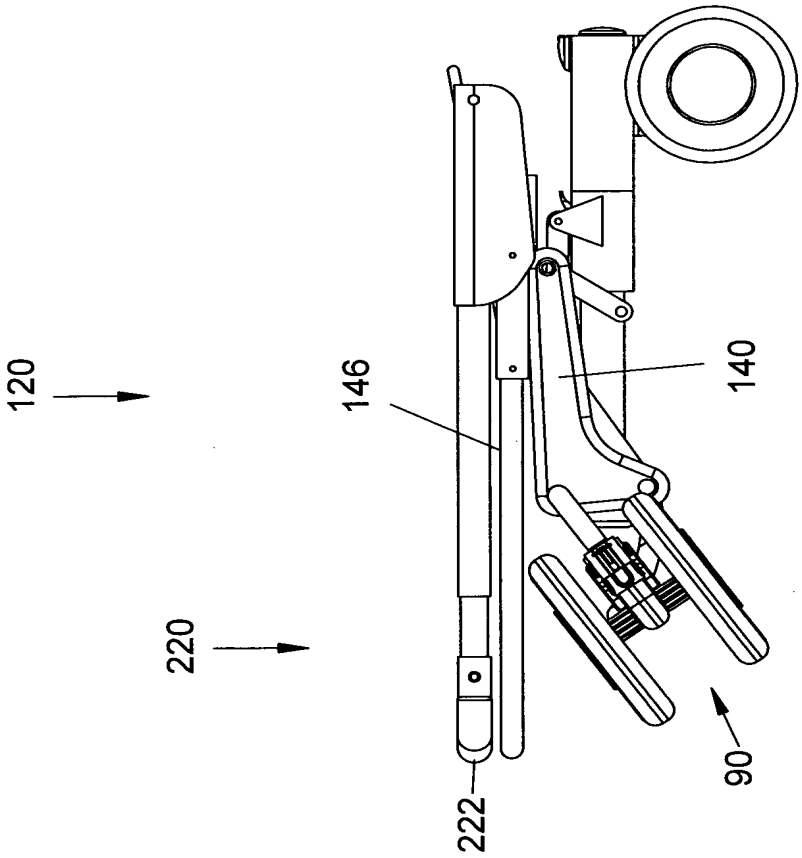


Fig.17A

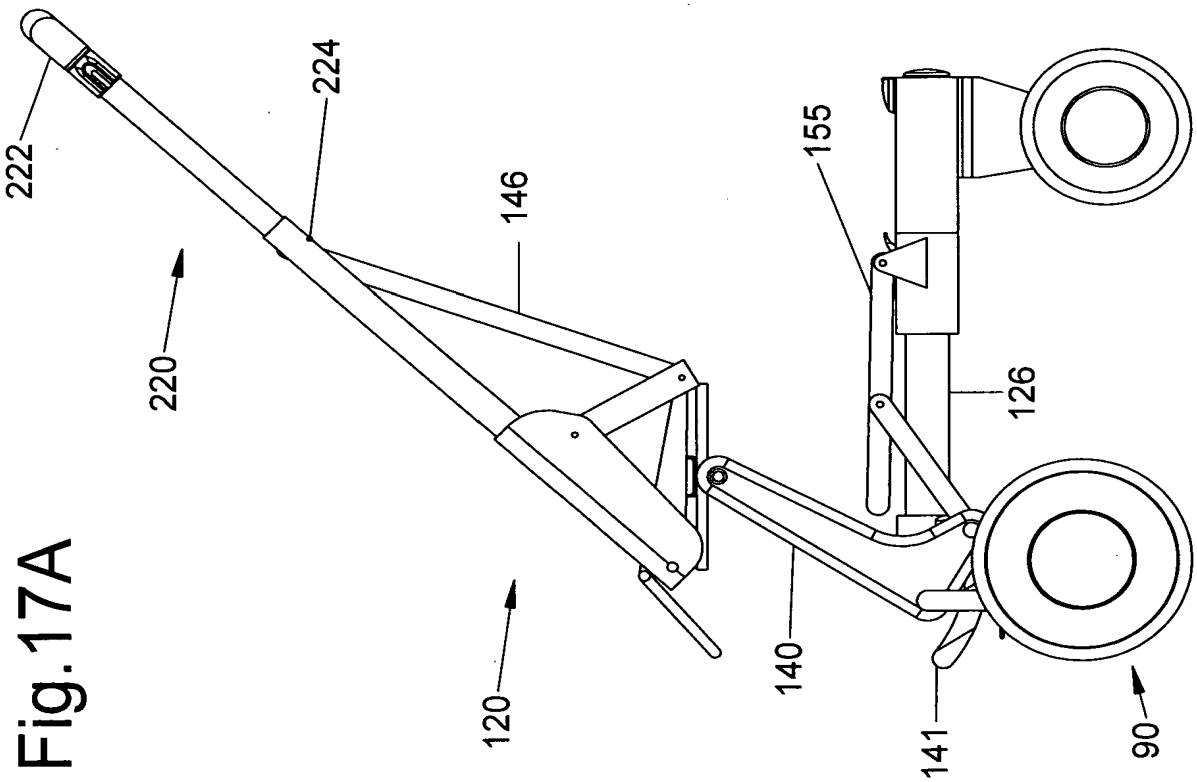
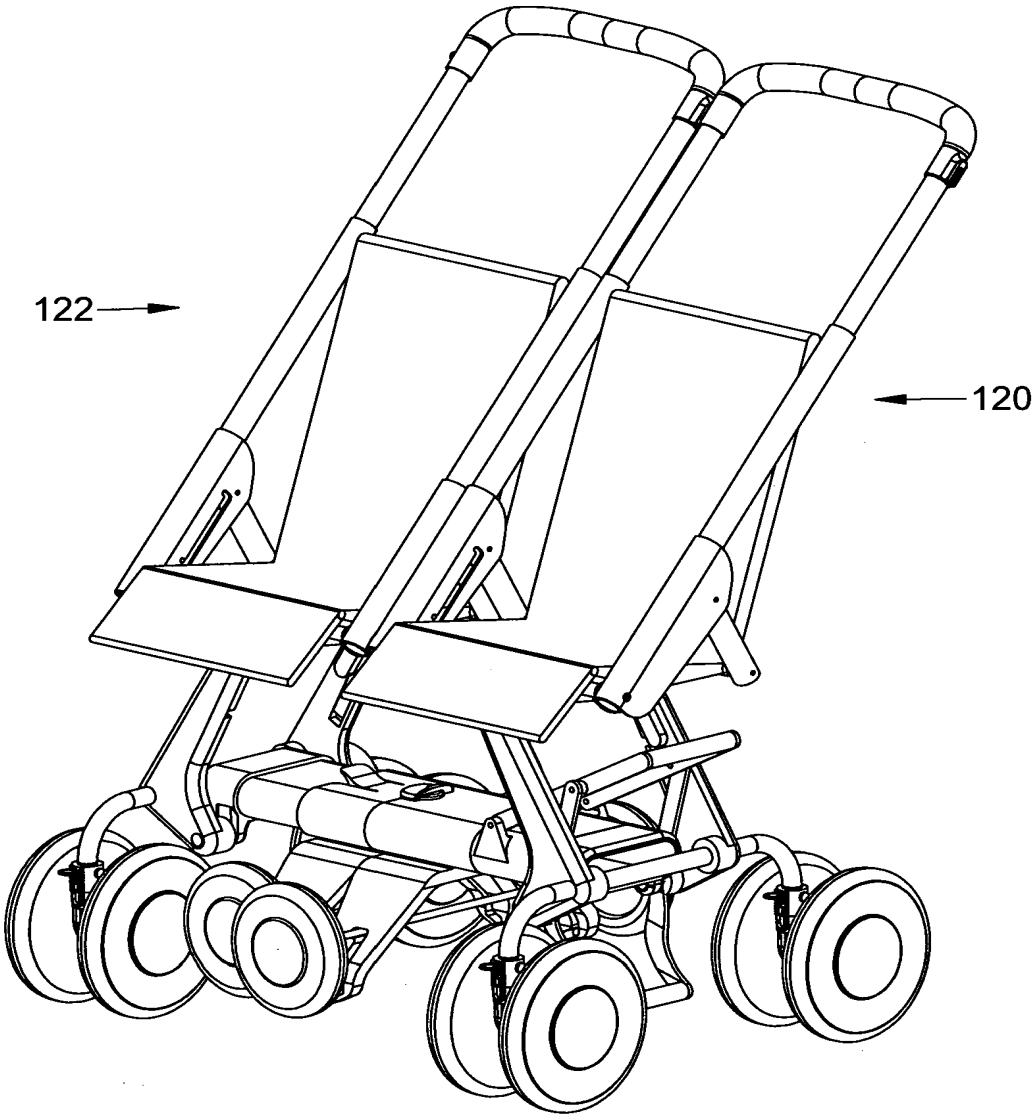


Fig.17C



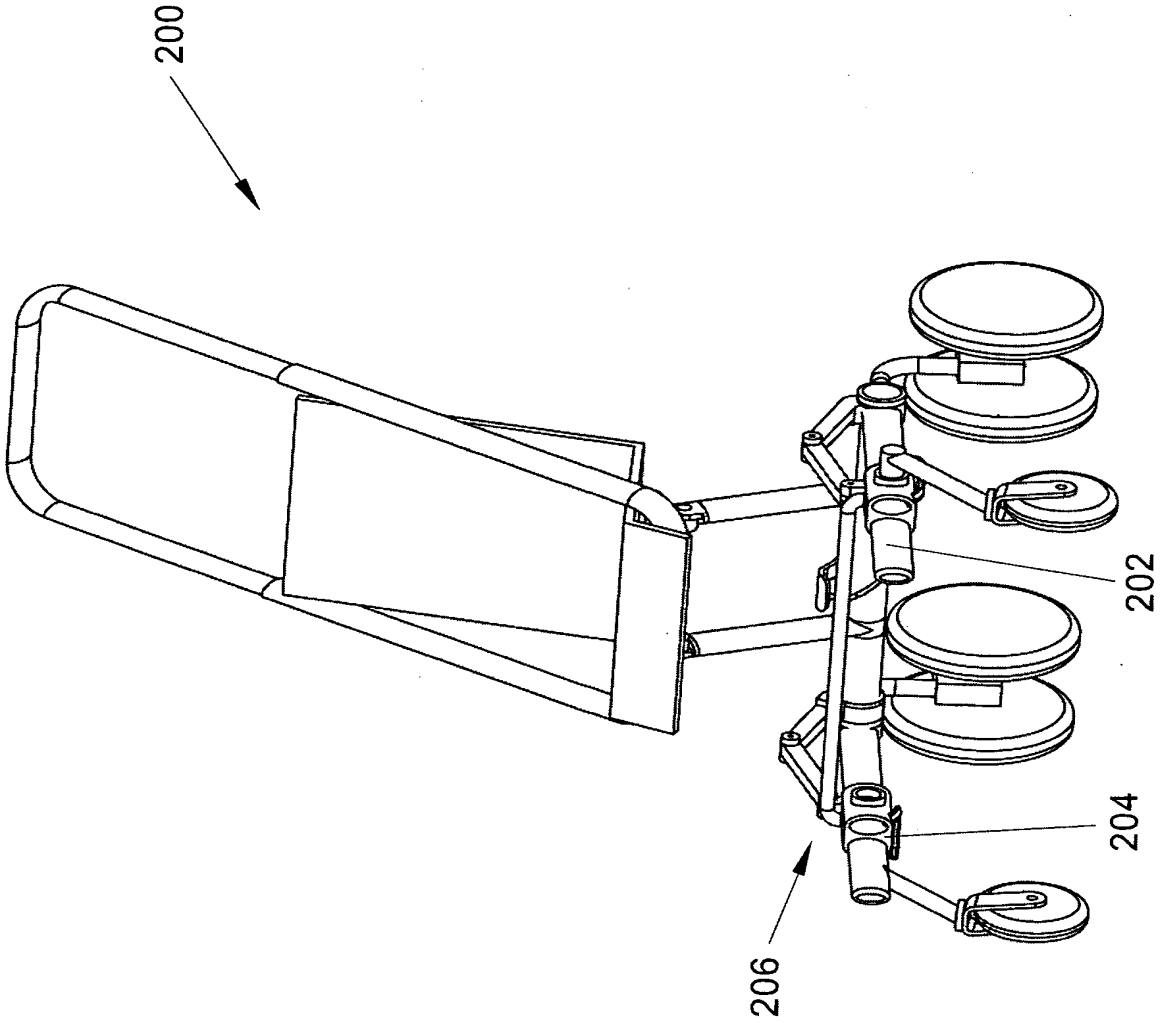


Fig.18

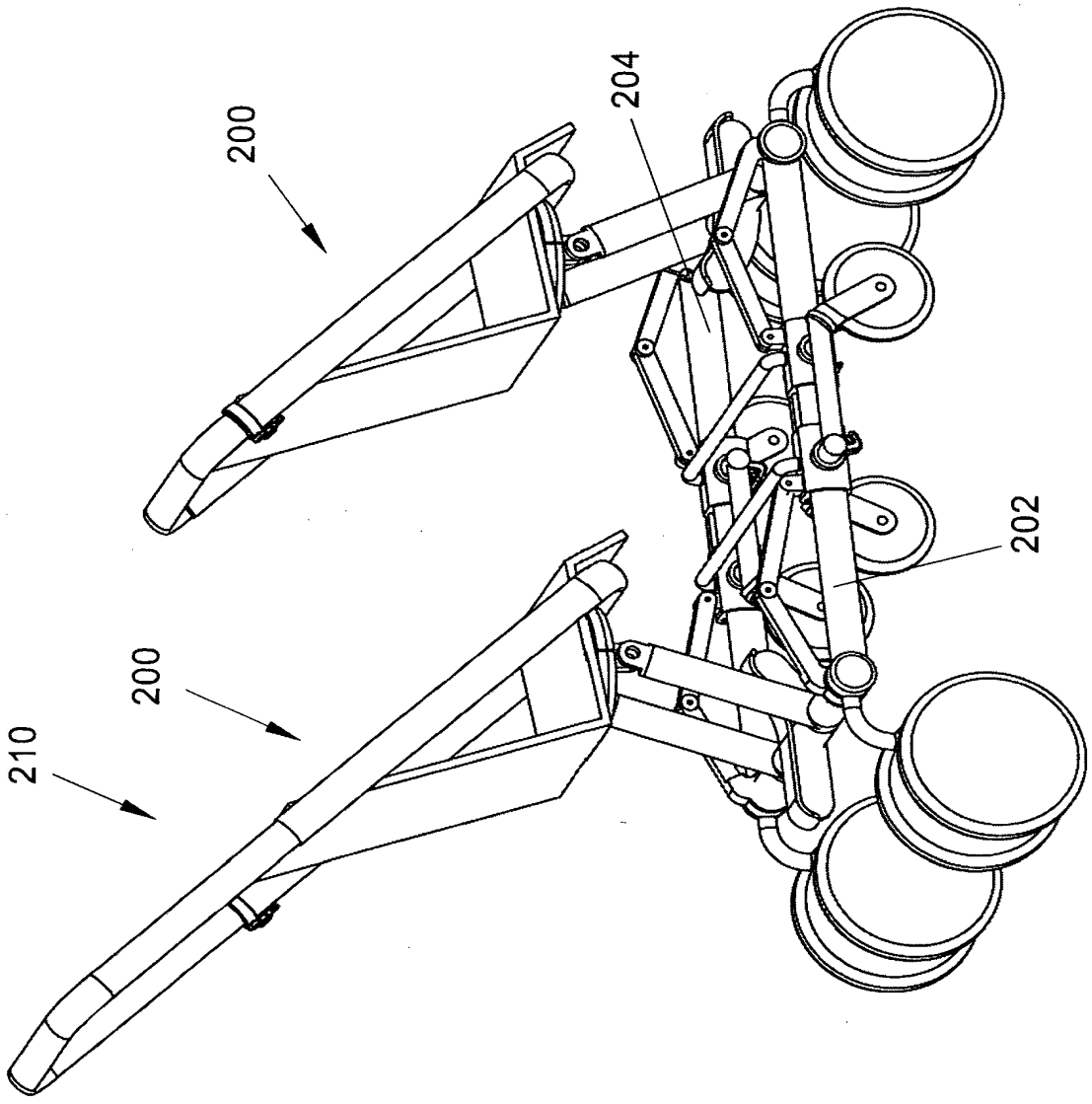


Fig.19

Electronic Patent Application Fee Transmittal

Application Number:	12631375
Filing Date:	04-Dec-2009
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Filer:	Bernard Pike
Attorney Docket Number:	DYN005

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE - 2nd and Subsequent Request	2820	1	850	850
		Total in USD ($)		**850**

Electronic Acknowledgement Receipt

EFS ID:	19185429
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Correspondence Address:	PIKE IP LAW, PLLC - P.O. BOX 8592 - RICHMOND VA 23226 US 8046153939 -
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005
Receipt Date:	02-JUN-2014
Filing Date:	04-DEC-2009
Time Stamp:	15:26:59
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$850

RAM confirmation Number	1884
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	DYN005RCE2014.pdf	697765 7f4e17422c838482d3f91f7d78ab3ae044de0f4a	no	3
Warnings:					
Information:					
2	Change of Address	DYN005CCA.pdf	271568 e26c24103b9467dc6c3458cce77c369b28c289d9	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Form (SB08)	DYN005IDS8a.pdf	272970 404f6c4db1e2d2bc493d4ae168d69d835807e2ce	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	Transmittal Letter	DYN005IDSLetter.pdf	71713 deb44fd47fe2d63c20d83629191b46f82fb7567b	no	2
Warnings:					
Information:					
5	Foreign Reference	ES2253093A1.PDF	284950 ffb53cbfb8387f4bd1d08701284fdd4ec962990f	no	8
Warnings:					
Information:					
6	Foreign Reference	GB2309203A.PDF	318244 42ad7d994445cba2ee5eed5685b155da8255f95e	no	9
Warnings:					
Information:					
7	Foreign Reference	WO2005105546A1.pdf	2511236 adba16ec17496ea5cfcb026ee448128b9473bc5e	no	69
Warnings:					
Information:					

8	Foreign Reference	WO2008135974A2.PDF	1531376 2bb4d7de81cd12605353a606f1ec2788fe2d0d8b	no	39
Warnings:					
Information:					
9	Fee Worksheet (SB06)	fee-info.pdf	30183 d5f0b7262418100c7f29a524e9fed483dc3c73c5	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	5990005	

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office
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www.uspto.gov

e 2014-06-05

PIKE IP LAW, PLLC
P.O. BOX 8592
RICHMOND, VA 23226

Paper No.

Application No.:	**12/631,375**	**Date Mailed:**	**2014-06-05**
First Named Inventor:	Zehfuss, Mark,	Examiner:	DOLAK, JAMES M
Attorney Docket No.:	DYN005	Art Unit:	3618
Confirmation No.:	1624	Filing Date:	2009-12-04

Please find attached an Office communication concerning this application or proceeding.

Commissioner for Patents

PTO-90c (Rev.08-06)

NOTICE OF IMPROPER REQUEST FOR CONTINUED EXAMINATION (RCE)	Application No. 12/631,375	Applicant(s) ZEHFUSS, MARK	
		Art Unit 3600	Date Mailed:

The request for continued examination (RCE) under 37 CFR 1.114 filed on 02 June, 2014 is improper for reason(s) indicated below:

1. ☐ Continued examination under 37 CFR 1.114 does not apply to an application for a design patent. Applicant may wish to consider filing a continuing application under 37 CFR 1.53(b) or a CPA under 37 CFR 1.53(d). An RCE cannot be treated as a CPA.

2. ☐ Continued examination under 37 CFR 1.114 does not apply to an application that was filed before June 8, 1995. Applicant may wish to consider filing a continuing application under 37 CFR 1.53(b).

3. ☐ Continued examination under 37 CFR 1.114 does not apply to an application unless prosecution in the application is closed. If the RCE was accompanied by a reply to a non-final Office action, the reply will be entered and considered under 37 CFR 1.111. If the RCE was not accompanied by a reply, the time period set forth in the last Office action continues to run from the mailing date of that action.

4. ☒ The request was not filed before payment of the issue fee, and no petition under 37 CFR 1.313 was granted. If this application has not yet issued as a patent, applicant may wish to consider filing either a petition under 37 CFR 1.313 to withdraw this application from issue, or a continuing application under 37 CFR 1.53(b).

5. ☐ The request was not filed before abandonment of the application. The application was abandoned, or proceedings terminated on _____. Applicant may wish to consider filing a petition under 37 CFR 1.137 to revive this abandoned application.

6. ☐ The request was not accompanied by the fee set forth in 37 CFR 1.17(e) as required by 37 CFR 1.114. Since the application is not under appeal, the time period set forth in the final Office action or notice of allowance continues to run from the mailing date of that action or notice.

7. ☐ The request was not accompanied by a submission as required by 37 CFR 1.114. Since the application is not under appeal, the time period set forth in the final Office action or notice of allowance continues to run from the mailing date of that action or notice.

Note: A continued prosecution application (CPA) under 37 CFR 1.53(d) cannot be filed in a utility or plant application. A CPA filed in a utility or plant application that has a filing date **on or after June 8, 1995** will be treated as an RCE under 37 CFR 1.114. The request for a CPA in the instant application, however, has been treated as an improper RCE for the reason(s) indicated above.

A copy of this Notice MUST be returned with the reply.

Direct any questions concerning this notice to

/DIANA BATES/, Technology Center 3600

Telephone Number: (571)272-6573

Doc Code: PET.AUTO Document Description: Petition automatically granted by EFS-Web	PTO/SB/140 U.S. Patent and Trademark Office Department of Commerce

Electronic Petition Request	**PETITION TO WITHDRAW AN APPLICATION FROM ISSUE AFTER PAYMENT OF THE ISSUE FEE UNDER 37 CFR 1.313(c)**
Application Number	12631375
Filing Date	04-Dec-2009
First Named Inventor	Mark Zehfuss
Art Unit	3618
Examiner Name	JAMES DOLAK
Attorney Docket Number	DYN005
Title	SEAT ATTACHMENT FOR A STROLLER

An application may be withdrawn from issue for further action upon petition by the applicant. To request that the Office withdraw an application from issue, applicant must file a petition under this section including the fee set forth in § 1.17(h) and a showing of good and sufficient reasons why withdrawal of the application from issue is necessary.

APPLICANT HEREBY PETITIONS TO WITHDRAW THIS APPLICATION FROM ISSUE UNDER 37 CFR 1.313(c).

A grantable petition requires the following items:
(1) Petition fee; and
(2) One of the following reasons:
(a) Unpatentability of one or more claims, which must be accompanied by an unequivocal statement that one or more claims are unpatentable, an amendment to such claim or claims, and an explanation as to how the amendment causes such claim or claims to be patentable;
(b) Consideration of a request for continued examination in compliance with § 1.114 (for a utility or plant application only); or
(c) Express abandonment of the application. Such express abandonment may be in favor of a continuing application, but not a CPA under 37 CFR 1.53(d).

Petition Fee

◉	Small Entity
○	Micro Entity
○	Regular Undiscounted

Reason for withdrawal from issue

◯ One or more claims are unpatentable ◯ Consideration of a request for continued examination (RCE) (List of Required Documents and Fees) ◉ Applicant hereby expressly abandons the instant application (any attorney/agent signing for this reason must have power of attorney pursuant to 37 CFR 1.32(b)).	
THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES I certify, in accordance with 37 CFR 1.4(d)(4) that I am: ◯ An attorney or agent registered to practice before the Patent and Trademark Office who has been given power of attorney in this application. ◯ An attorney or agent registered to practice before the Patent and Trademark Office, acting in a representative capacity. ◉ A sole inventor ◯ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application ◯ A joint inventor; all of whom are signing this e-petition	
Signature	/Mark Zehfuss/
Name	Mark Zehfuss

Electronic Patent Application Fee Transmittal

Application Number:	12631375
Filing Date:	04-Dec-2009
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Filer:	Bernard Pike
Attorney Docket Number:	DYN005

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Petition Fee-37CFR 1.17(h) (Group II)	2464	1	70	70
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
			Total in USD ($)	**70**

UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Decision Date : June 9, 2014

In re Application of :

Mark Zehfuss

Application No : 12631375

Filed : 04-Dec-2009

Attorney Docket No : DYN005

DECISION ON PETITION

UNDER CFR 1.313(c)(3)

This is an electronic decision on the petition under 37 CFR 1.313(c)(3), filed June 9, 2014 ,to withdraw the above-identified application from issue after payment of the issue fee.

The petition is **GRANTED.**

Petitioner requests that the above-identified application be withdrawn from issue for express abandonment. See 37 CFR 1.313(c)(3).

The application is hereby withdrawn from issue, and the abandonment is hereby recognized.

Telephone inquiries concerning this decision should be directed to the Patent Electronic Business Center (EBC) at 866-217-9197

Office of Petitions

Electronic Acknowledgement Receipt

EFS ID:	19243527
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Correspondence Address:	PIKE IP LAW, PLLC - P.O. BOX 8592 - RICHMOND VA 23226 - - -
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005
Receipt Date:	09-JUN-2014
Filing Date:	04-DEC-2009
Time Stamp:	11:24:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$70

RAM confirmation Number	8583
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition automatically granted by EFS	petition-request.pdf	30115 ef3d7e2b2212e1a39b39667053f95c5ff110dae8	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30161 9fa12e6b5d5b05ff431c0cc5de4ad71dead859ae	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	60276		

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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.

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

PATENT WITHDRAWAL NOTICE

DATE WITHDRAWN	WITHDRAWAL NUMBER
6/10/2014	25762

The following application has been **WITHDRAWN** from the

6/10/2014 issue.

SERIAL NO.	PATENT NUMBER
12631375	8746731

TITLE

SEAT ATTACHMENT FOR A STROLLER

NAME AND ADDRESS

MARK ZEHFUSS
Glen Allen, VA

REASON FOR WITHDRAWAL

Auto-petition to withdraw - Granted

APPROVED

/Kimberly Terrell/, Manager

Patent Publication Branch
Office of Data Management

FORM PTO-302 -- (REV. 05-2009)

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82A (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	12/631,375
Filing Date	2009-12-04
First Named Inventor	Mark Zehfuss
Title	SEAT ATTACHMENT FOR A STROLLER
Art Unit	3618
Examiner Name	James M. Dolak
Attorney Docket Number	DYN005

SIGNATURE of Applicant or Patent Practitioner

Signature	/Umar R. Bakhsh/	Date (Optional)	
Name	Umar R. Bakhsh	Registration Number	67,307
Title (if Applicant is a juristic entity)	Attorney for Applicant		
Applicant Name (if Applicant is a juristic entity)	BABY JOGGER, LLC		

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 3 minutes 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
Approved for use through 11/30/2014. OMB 0651-0051
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 134811

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☑ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

BABY JOGGER, LLC

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature	/Karen Bonelli/	Date (Optional)	11 Sept 2015
Name	Karen Bonelli		
Title	Assistant Secretary, Chief Patent Counsel		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 3 minutes 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/AIA/96 (08-12)
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STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: BABY JOGGER, LLC

Application No./Patent No.: 12/631,375 Filed/Issue Date: 2009-12-04

Titled: SEAT ATTACHMENT FOR A STROLLER

BABY JOGGER, LLC, a Corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☑ The assignee of the entire right, title, and interest.

2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):

☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (*e.g.*, bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

B. ☑ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: ZEHFUSS, MARK To: DYNAMIC BRANDS, LLC

The document was recorded in the United States Patent and Trademark Office at
Reel 023608, Frame 0530, or for which a copy thereof is attached.

2. From: DYNAMIC BRANDS, LLC To: BABY JOGGER, LLC

The document was recorded in the United States Patent and Trademark Office at
Reel 028370, Frame 0128, or for which a copy thereof is attached.

This collection of information is required by 37 CFR 3.73(b). 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 12 minutes 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☑ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Umar R. Bakhsh/	2022-03-29
Signature	Date
Umar R. Bakhsh	67,307
Printed or Typed Name	Title or Registration Number

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 disclosure of these records is required by the Freedom of Information Act.
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 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.

Electronic Acknowledgement Receipt

EFS ID:	45341521
Application Number:	12631375
International Application Number:	
Confirmation Number:	1624
Title of Invention:	SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Mark Zehfuss
Correspondence Address:	PIKE IP LAW, PLLC - P.O. BOX 8592 - RICHMOND VA 23226 US 8046153939 -
Filer:	Umar Rahim Bakhsh/Angela Staschke
Filer Authorized By:	Umar Rahim Bakhsh
Attorney Docket Number:	DYN005
Receipt Date:	29-MAR-2022
Filing Date:	04-DEC-2009
Time Stamp:	12:28:42
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	_12631375_POA.pdf	356755 6be80da94a621a670d238e266c76c103ce6f1688	no	2
Warnings:					
Information:					
2	Assignee showing of ownership per 37 CFR 3.73	_12631375_373C.pdf	79970 d3ab3d3bef2ee838bb8a6c3764e454e3815d0842	no	3
Warnings:					
Information:					
		Total Files Size (in bytes):	436725		

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/631,375	12/04/2009	Mark Zehfuss	DYN005

CONFIRMATION NO. 1624

POWER OF ATTORNEY NOTICE

PIKE IP LAW, PLLC
P.O. BOX 8592
RICHMOND, VA 23226

OC00000132827113

Date Mailed: 03/31/2022

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/29/2022.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/nrhayden/

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/631,375	12/04/2009	Mark Zehfuss	DYN005

CONFIRMATION NO. 1624

POA ACCEPTANCE LETTER

134811
Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309

OC000000132827152

Date Mailed: 03/31/2022

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/29/2022.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/nrhayden/