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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		Attorney Docket No. DYN005.CON	
		First Named Inventor Mark Zehfuss	
		Title Seat Attachment for a Stroller	
		Express Mail Label No.	

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
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Country	US	Telephone	804-615-3939	Email	mail@pikeiplaw.com

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Application Number	
Filing Date	4/25/2014
First Named Inventor	Mark Zehfuss
Art Unit	
Examiner Name	
Attorney Docket Number	DYN005.CON

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 7,497,461	3/2009	Emerson, Anthony G.	
		US- 7,938,435	05-2011	Sousa et al.	
		US- 2008/0231 022	09-2008	Hu et al.	
		US- 7,766,366	08-2010	Li, Wei-Yeh	
		US- 6,286,844	09-2001	Gone et al.	
		US- 6,513,827	02-2003	Barenbrug, Machiel Gerardus T. M.	
		US- 2006/0131841	06-2006	Huang, Mien Chen	
		US- 2006/0001226	01-2006	Refsum, Bjorn	
		US- 7,320,471	01-2008	Maciejczyk, Wieslaw	
		US- 6,045, 145	04-2000	Lan, Red	
		US- 2008/0224451	09-2008	Vegt, Herman Van der	
		US- 7,481,439	01-2009	Thompson, JulieTabor	
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		US- 2007/0090619	04-2007	Lundh, Joran	
		US- 6,851,693	02-2005	Haeggberg, Christian	
		US- 2001 /0033069	10-2001	Ivers, Donald E.	
		US- 7,249,779	07-2007	Ehrenreich et al.	

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TITLE

SEAT ATTACHMENT FOR A STROLLER

INVENTOR

Mark Zehfuss

RELATED APPLICATIONS

This U.S. patent application claims priority under 35 U.S.C. §120 to U.S. Patent Application No. 12/361,375 filed on December 4, 2009 which claims priority to U.S. Provisional Patent Application Serial No. 61/119,920 filed on December 4, 2008 and both of which are 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 a 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 stroller. 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 slidably 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.

[0027] Figure 10 shows a stroller with left and right attachment frame members for attaching a second seat.

[0028] Figure 11 shows a attachment frame member with a cylindrical post to be received in a slot in a stroller frame.

DESCRIPTION

[0029] 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.

[0030] 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.

[0031] 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.

[0032] 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.

[0033] 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.

[0034] 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.

[0035] 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

[0036] 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.

[0037] 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.

[0038] 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.

[0039] 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.

[0040] 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.

[0041] 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.

[0042] 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.

[0043] 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.

[0044] 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.

[0045] 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.

[0046] 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.

[0047] 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.

[0048] 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 position, 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.

[0049] 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 be 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.

[0050] 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.

[0051] 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.

[0052] 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.

[0053] 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:
 - a left attachment frame member, wherein the left attachment frame member comprises:
 - a connector portion capable of reversibly connecting to a stroller frame and a left seat support element capable of supporting a seat in either a forward or backward position
 - a right attachment frame member, wherein the right attachment frame member comprises:
 - a connector portion capable of reversibly connecting to a stroller frame and a right seat support element capable of supporting the seat in either a forward or backward position between the left and right seat support elements.
2. The seat attachment for a stroller of claim 1, wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram.
3. The seat attachment for a stroller of claim 1, wherein each of the left and right attachment frame members has a first end and a second end.
4. The seat attachment for a stroller of claim 3, wherein the first end is capable of connecting to a stroller frame.
5. The seat attachment for a stroller of claim 4, wherein the second end is connected to the seat attachment member.
6. The seat attachment for a stroller of claim 1, further comprising a stroller seat connected to the left seat support element and the right seat support element.
7. The seat attachment for a stroller of claim 1, wherein both connector portions reversibly connects to the stroller by at least one of buttons, snaps, friction fittings, interference fits, threaded connections, locking tabs, or keyed connections.
8. A stroller, comprising:

a frame;
a first pair of seat attachments permanently attached to the frame capable of supporting a first stroller seat; and
a second pair of seat attachments releasably attached to the frame capable of supporting a second stroller seat.

9. The stroller of claim 8, comprising:

a pair of frame attachment portions attached to the frame, wherein the second pair of seat attachments are releasably attached to the pair of frame attachment portions.

10. The stroller of claim 9, wherein each of the frame attachment portions comprise a sleeve for removably receiving the one of the second pair of attachment portions.

11. The stroller of claim 8, wherein the second stroller seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram.

12. The stroller of claim 11, wherein the first stroller seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram.

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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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	DYN005.CON
		Application Number	
Title of Invention	Seat Attachment for a Stroller		
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	DYN005.CON
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Title of Invention	Seat Attachment for a Stroller		

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Title of the Invention	Seat Attachment for a Stroller		
Attorney Docket Number	DYN005.CON	Small Entity Status Claimed	<input checked="" type="checkbox"/>
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)	10	Suggested Figure for Publication (if any)	1

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	DYN005.CON
		Application Number	
Title of Invention	Seat Attachment for a Stroller		
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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.

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.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention **Seat Attachment for a Stroller**

As the below named inventor, I hereby declare that:

This declaration is directed to: ☒ The attached application, or

☐ United States application or PCT international application number _____
filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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.

LEGAL NAME OF INVENTOR

Inventor: **Mark Zehfuss**

Date (Optional): 4-22-14

Signature: *Mark Zehfuss*

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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 1 minute 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 this 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.

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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.

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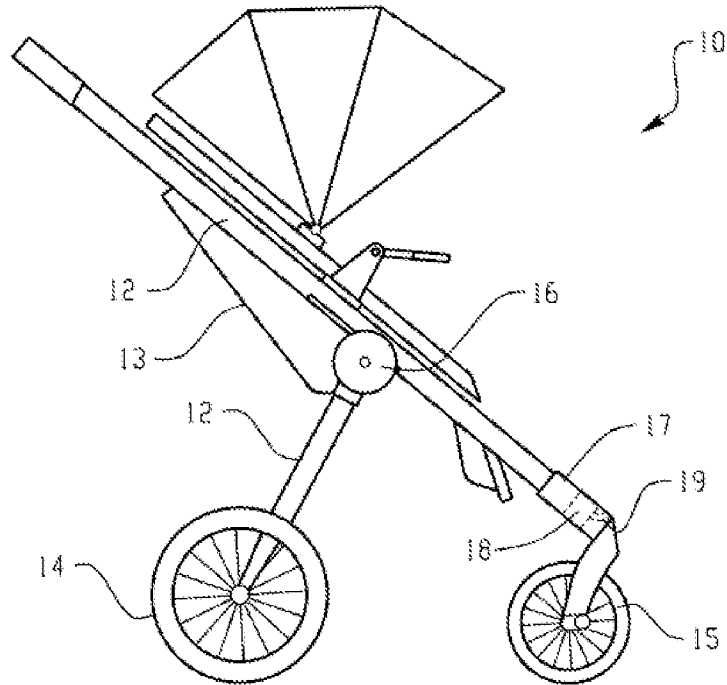


Fig. 1

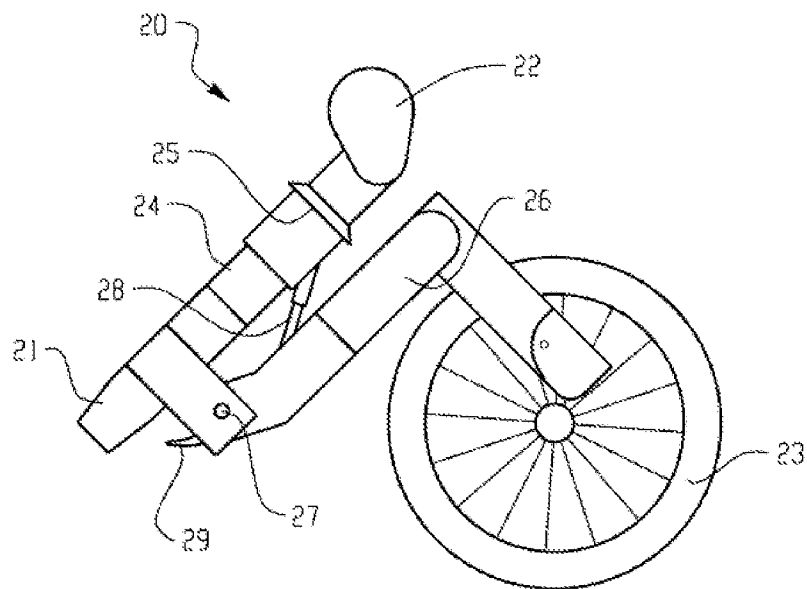


Fig. 2

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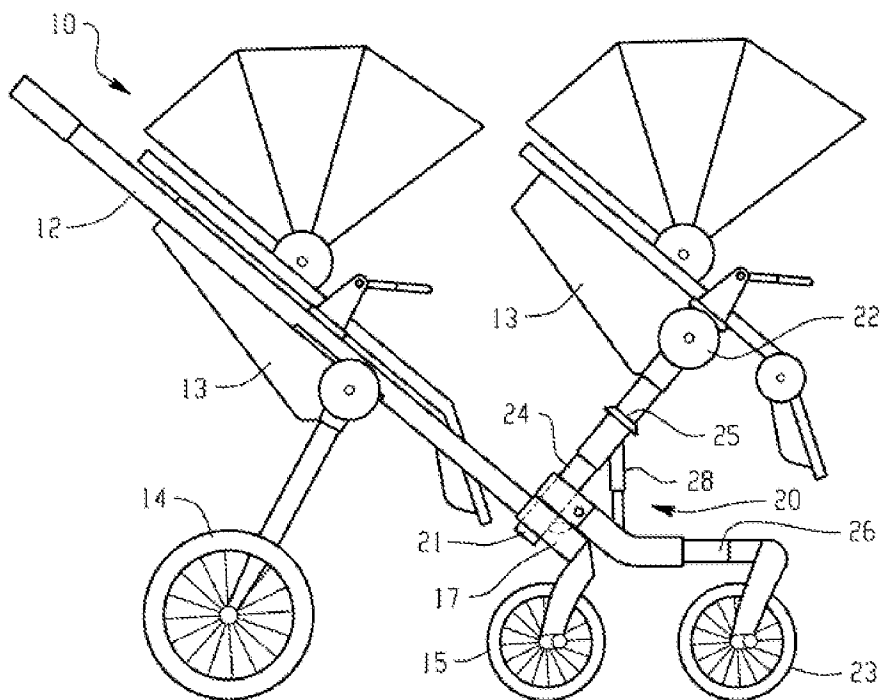


Fig. 3

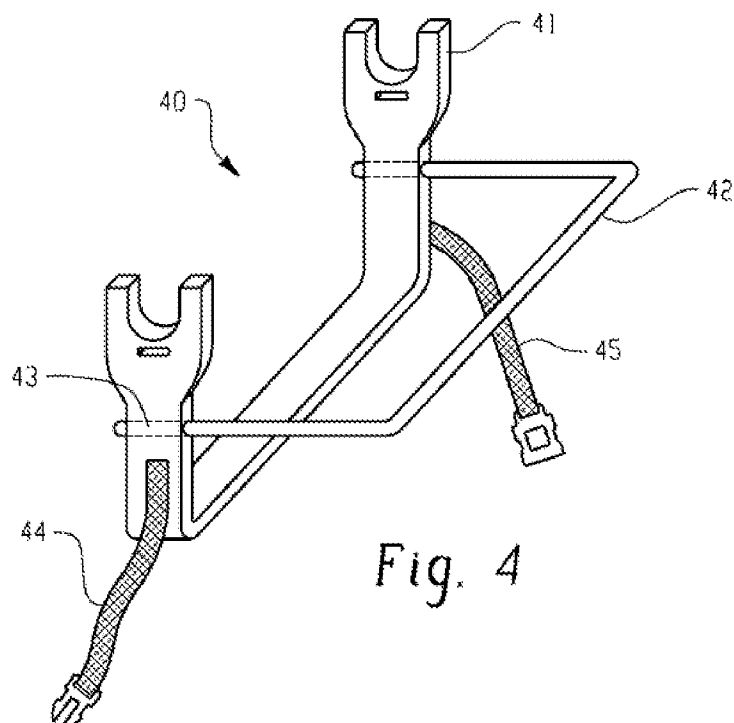


Fig. 4

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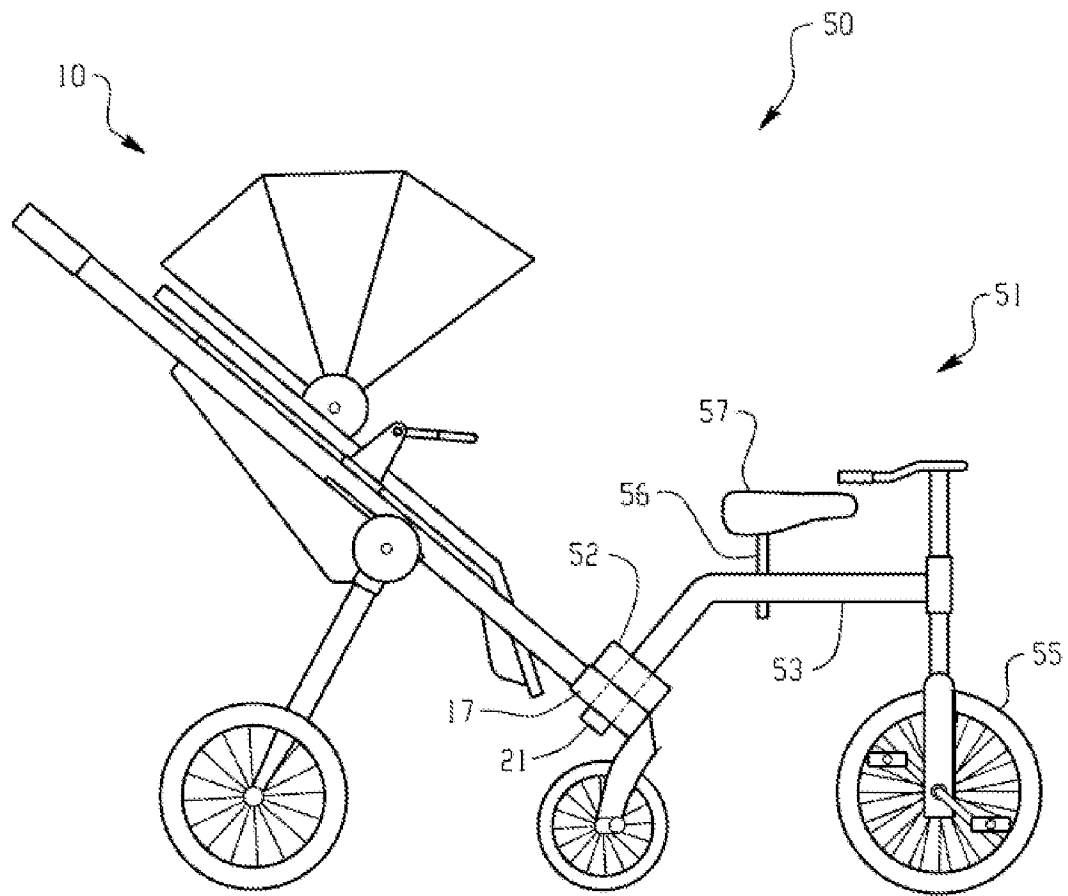


Fig. 5

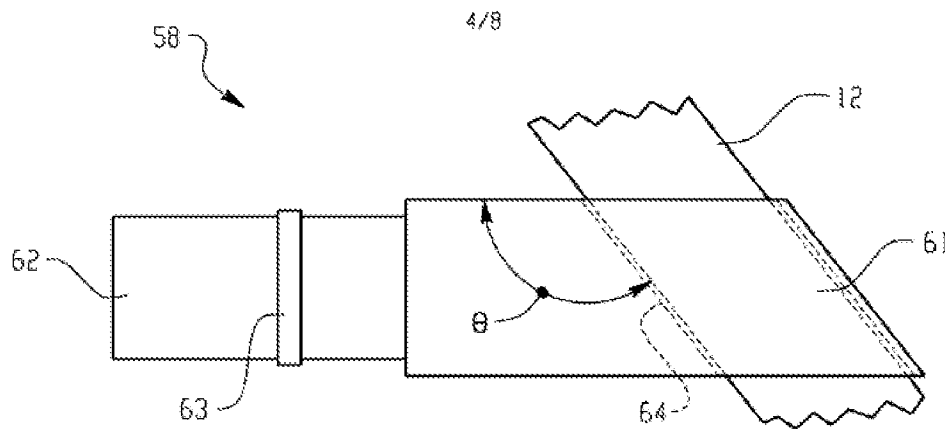


Fig. 6A

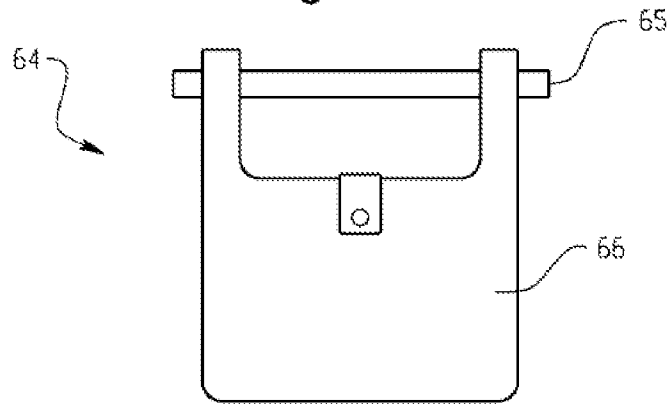


Fig. 6B

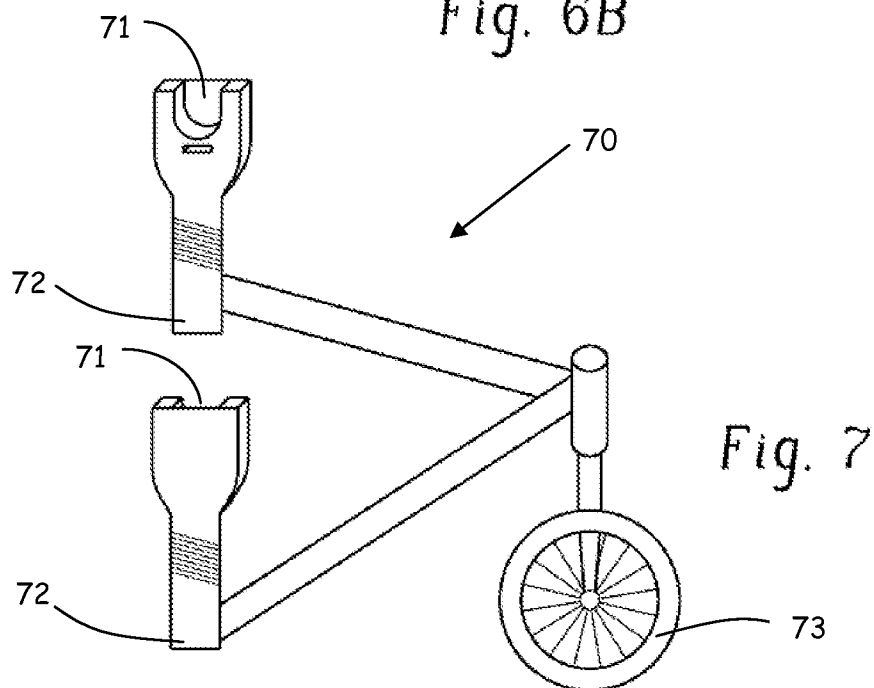


Fig. 7

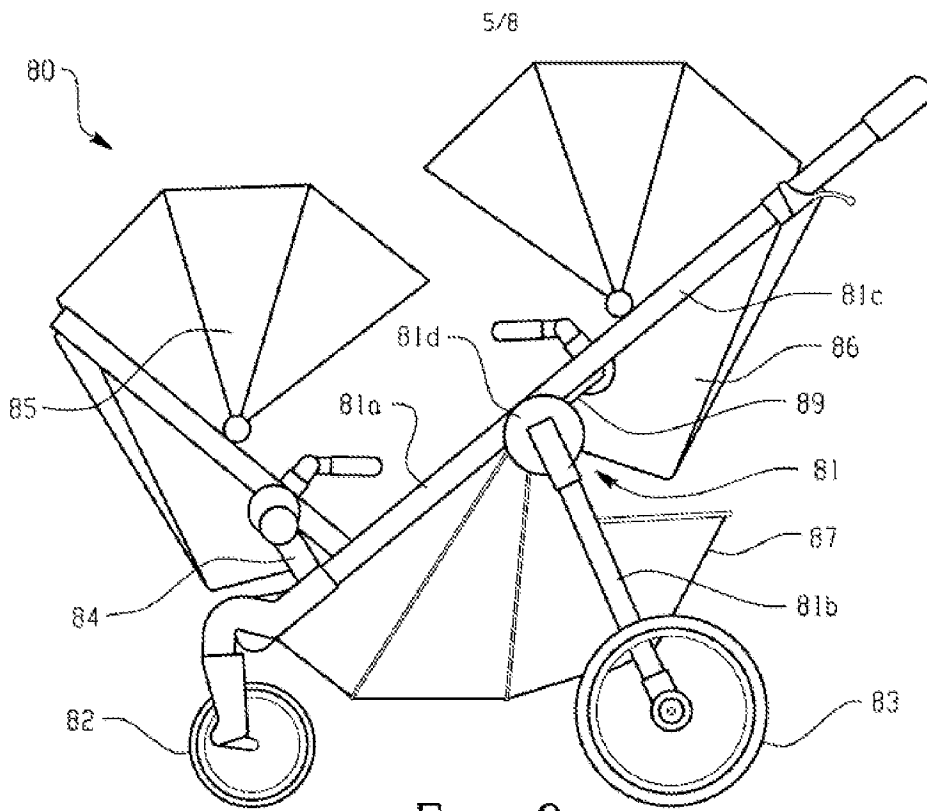


Fig. 8

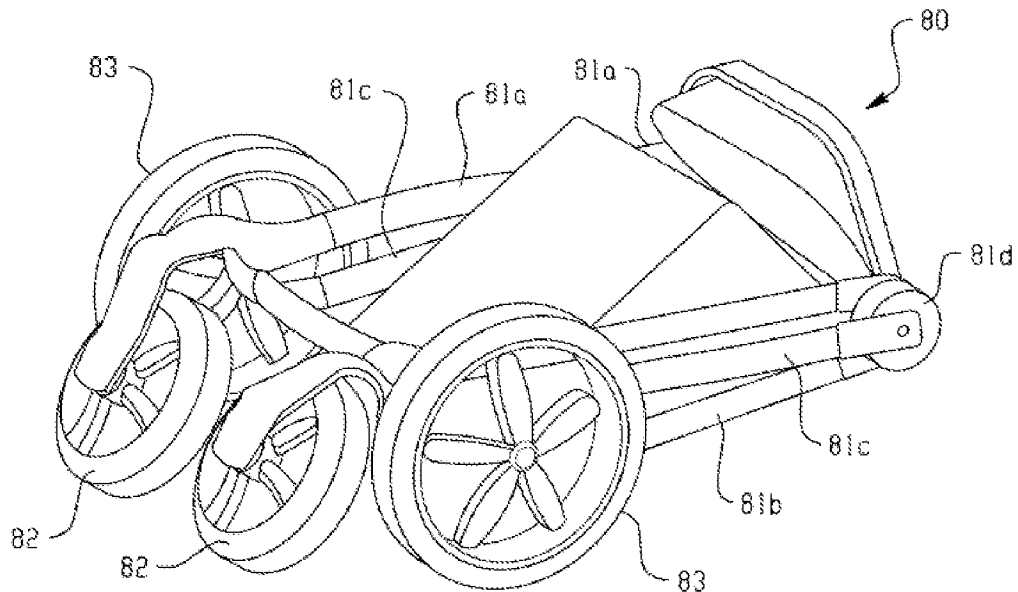


Fig. 8A

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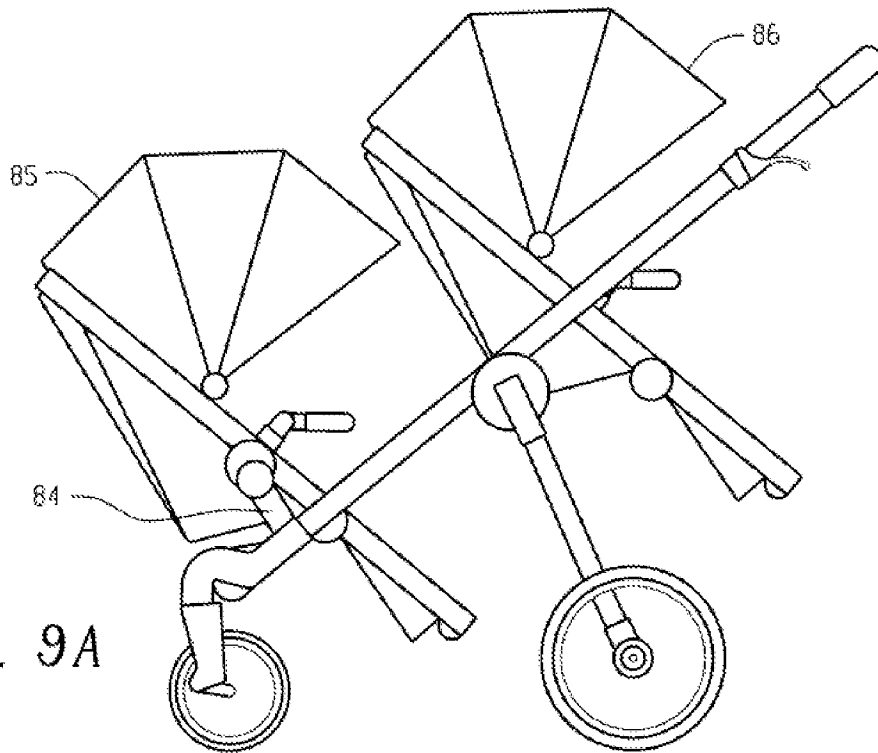


Fig. 9A

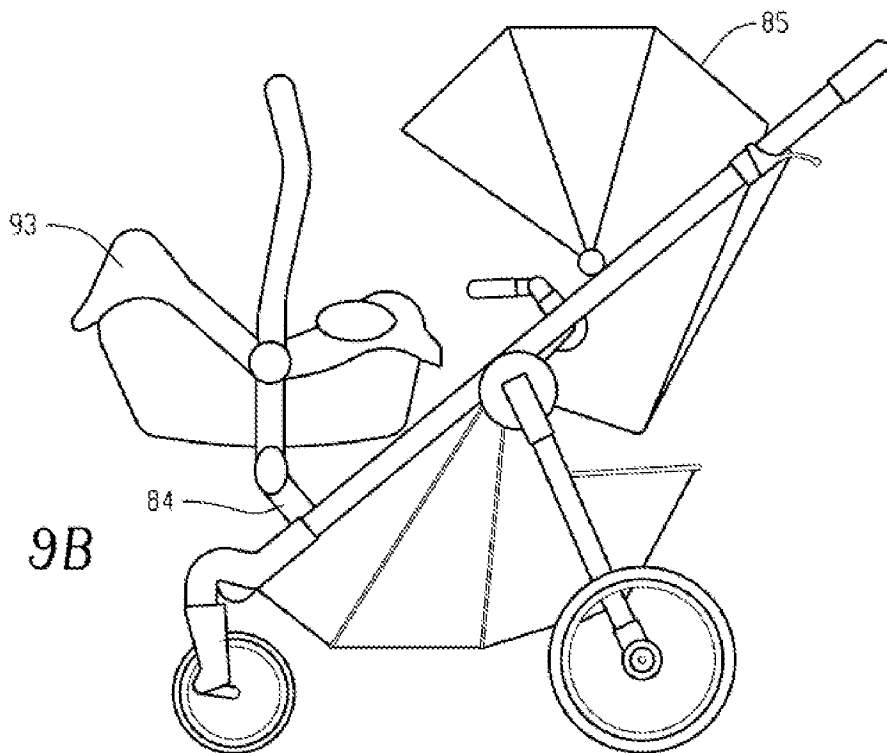


Fig. 9B

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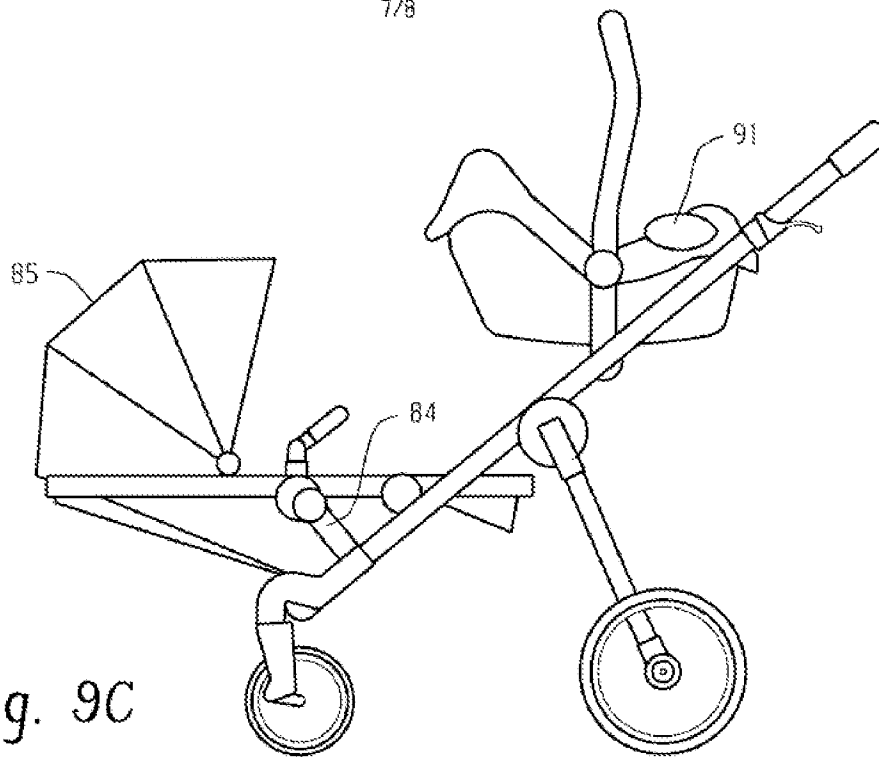


Fig. 9C

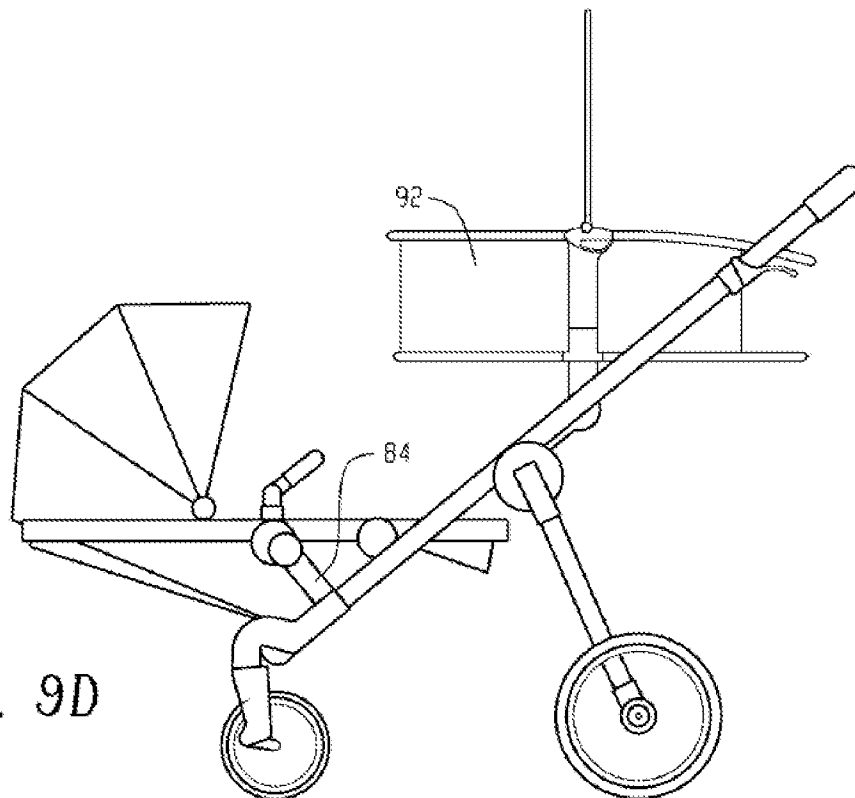


Fig. 9D

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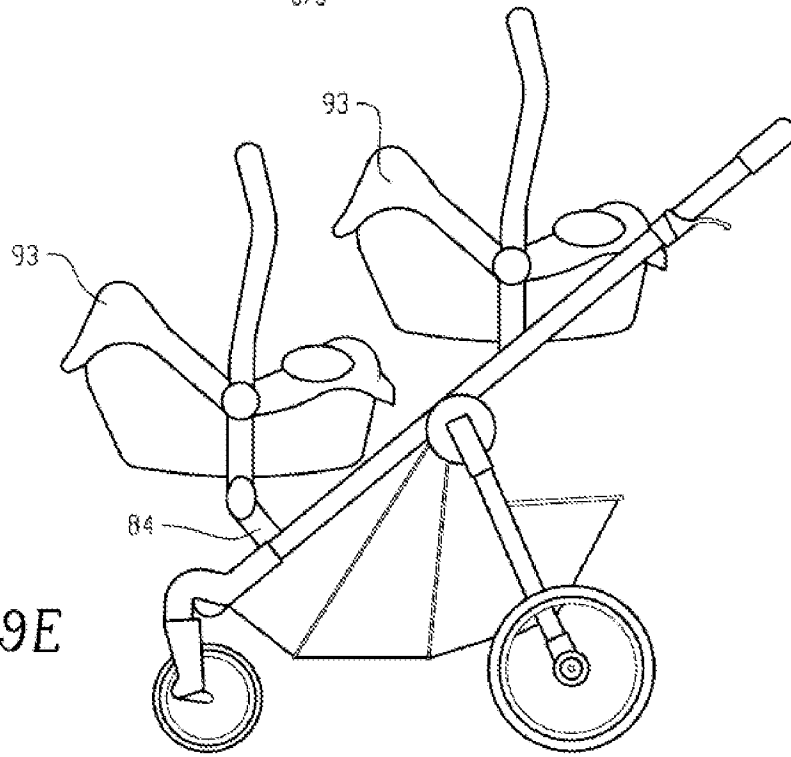


Fig. 9E

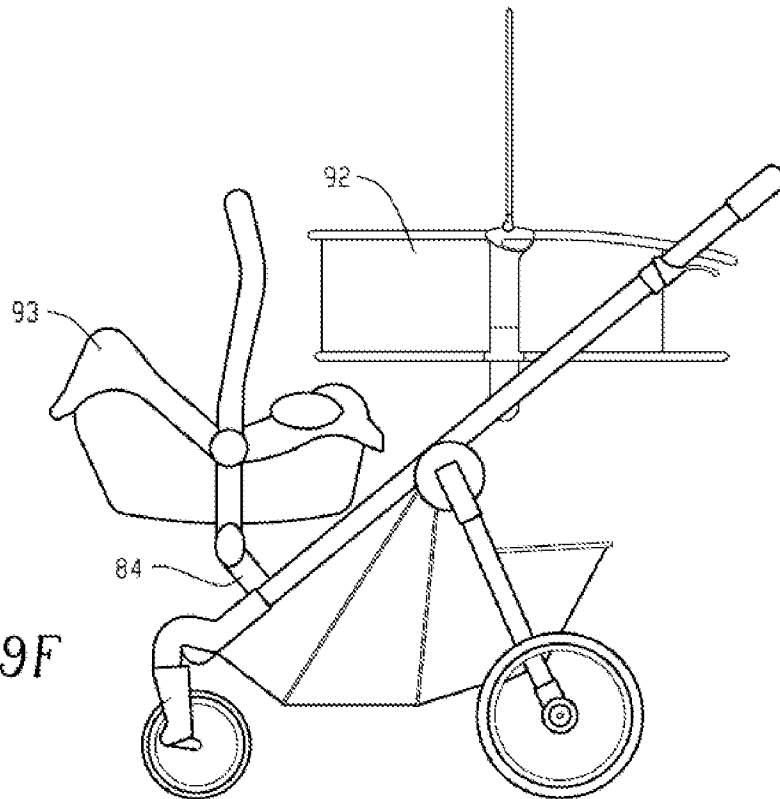


Fig. 9F

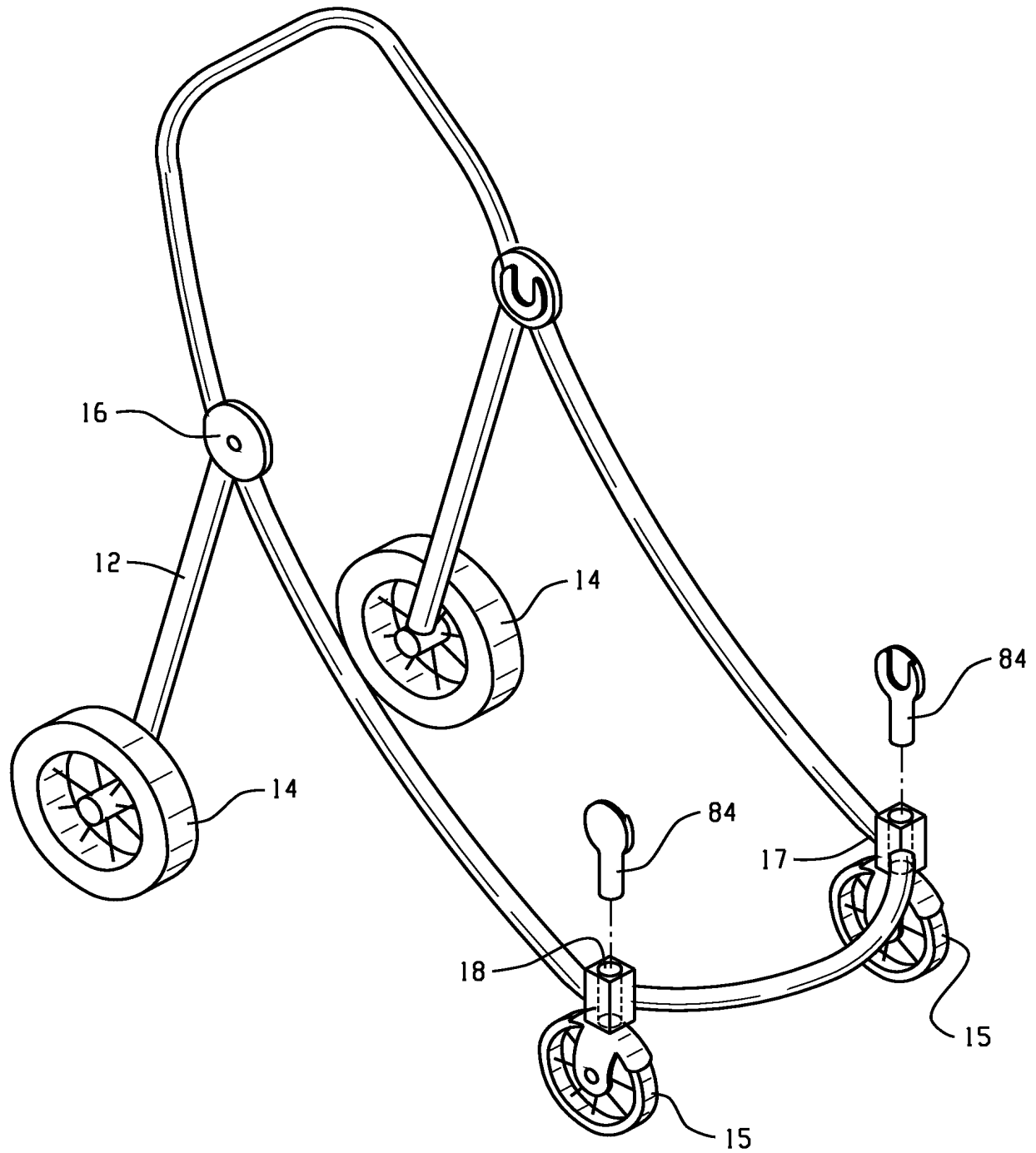


Fig. 10

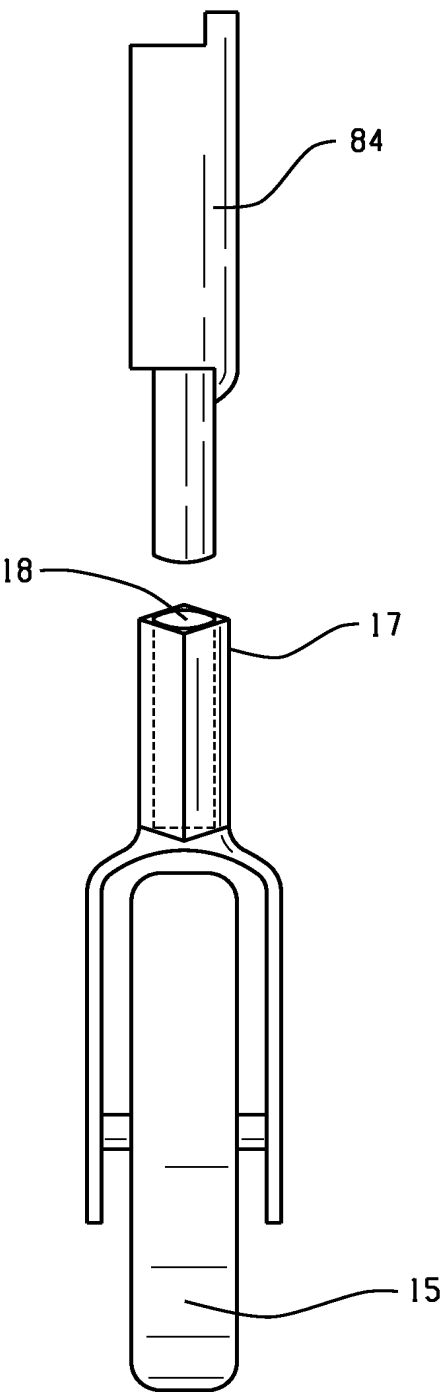


Fig. 11

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		Seat Attachment for a Stroller		
First Named Inventor/Applicant Name:		Mark G. Zehfuss		
Filer:		Bernard Pike		
Attorney Docket Number:		DYN005.CON		
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	70	70
Utility Search Fee	2111	1	300	300
Utility Examination Fee	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				730

Electronic Acknowledgement Receipt	
EFS ID:	18858794
Application Number:	14261558
International Application Number:	
Confirmation Number:	1014
Title of Invention:	Seat Attachment for a Stroller
First Named Inventor/Applicant Name:	Mark G. Zehfuss
Correspondence Address:	Bernard Pike Pike IP Law, PLLC P.O. Box 8592 - Richmond VA 23226 US - mail@pikeiplaw.com
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005.CON
Receipt Date:	25-APR-2014
Filing Date:	
Time Stamp:	11:26:06
Application Type:	Utility under 35 USC 111(a)

Payment information:	
Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 730

RAM confirmation Number		11166			
Deposit Account					
Authorized User					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal of New Application	DYN005CONTransmittalForm.pdf	277743	no	2
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Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	DYN005CONIDSCComplete.pdf	303581	no	3
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Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
3		DYN005CONSpec.pdf	106939	yes	17
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	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	14	
	Claims		15	16	
	Abstract		17	17	
Warnings:					
Information:					
4	Application Data Sheet	DYN005CONADS.pdf	1421316	no	5
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Warnings:					
Information:					
5	Oath or Declaration filed	DYN005CONDeclaration.pdf	184911	no	2
			abbd996407a9faf8c6ba4cfa6e1436cc777ed646		
Warnings:					
The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing					
Information:					

6	Drawings-only black and white line drawings	DYN005CONDrawings.pdf	869729 e018a52643127540e969d26c0c67227885c eacdb	no	10
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	32703 0bfff88b34a4e2127ab72ad231d7bac70823 ea34	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			3196922		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/261,558	04/25/2014	Mark Zehfuss	DYN005.CON

CONFIRMATION NO. 1014

FORMALITIES LETTER



Bernard G. Pike
Pike IP Law, PLLC
P.O. Box 8592
Richmond, VA 23226

Date Mailed: 05/12/2014

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

An application number and filing date have been accorded to this application. The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- A substitute specification in compliance with 37 CFR 1.52, 1.121(b)(3), and 1.125, is required. The substitute specification must be submitted with markings and be accompanied by a clean version (without markings) as set forth in 37 CFR 1.125(c) and a statement that the substitute specification contains no new matter (see 37 CFR 1.125(b)). The specification, claims, and/or abstract page(s) submitted is not acceptable and cannot be scanned or properly stored because:
 - The application contains drawings, but the specification does not contain a brief description of the several views of the drawings as required by 37 CFR 1.74 and 37 CFR 1.77(b)(9).

The following item(s) appear to have been **omitted** from the application:

- Figure(s) **1A, 2A** described in the specification.

Applicant must reply to this notice within the time period set forth in this notice to avoid abandonment of this application. Applicant must select one of the three following options and the reply must comply with the requirements set forth in the selected option and any other requirements set forth in this notice. The reply should also indicate which option applicant has selected.

I. Petition for date of deposit: Should applicant contend that the above-noted omitted item(s) was in fact deposited in the U.S. Patent and Trademark Office (USPTO) with the nonprovisional application papers, a copy of this Notice and a petition (and the petition fee set forth in 37 CFR 1.17(f) with evidence of such deposit **must** be filed within **TWO MONTHS** of the date of this Notice. The petition fee will be refunded if it is determined that the item(s) was received by the USPTO. **THIS TWO MONTH PERIOD IS EXTENDABLE UNDER 37 CFR 1.136(a) or (b).**

II. Petition for later filing date: Should applicant desire to supply the omitted item(s) and accept the date that such omitted item(s) was filed in the USPTO as the filing date of the above-identified application, a copy of this Notice, the omitted item(s), and a petition under 37 CFR 1.182 with the petition fee set forth in 37 CFR 1.17(f) requesting the later filing date **must** be filed within **TWO MONTHS** of the date of this Notice. **THIS TWO MONTH PERIOD IS EXTENDABLE UNDER 37 CFR 1.136(a) or (b).**

Applicant is advised that generally the filing fee required for an application is the filing fee in effect on the filing date accorded the application and that payment of the requisite basic filing fee on a date later than the filing date of the application requires payment of a surcharge (37 CFR 1.16(f)). To avoid processing delays and payment of a surcharge, applicant should submit any balance due for the requisite filing fee based on the later filing date being requested when submitting the omitted item(s) and the petition (and petition fee) requesting the later filing date.

III. Acceptance of application as deposited: Applicant may accept the application as deposited in the USPTO by filing an appropriate amendment as set forth in either (A) or (B) below within **TWO MONTHS** of the date of this Notice. **THIS TWO MONTH PERIOD IS EXTENDABLE UNDER 37 CFR 1.136(a) or (b)**. The application will maintain a filing date as of the date of deposit of the application papers in the USPTO, and original application papers (i.e., the original disclosure of the invention) will include only those application papers present in the USPTO on the date of deposit. A petition is not required for this option.

(A) If applicant wants to accept the application as deposited without adding the subject matter that was in the omitted item (e.g., a missing page or figure), applicant is required to submit one or more of the following items without adding any new matter (see 35 U.S.C. 132(a)):

1. For a missing page of the specification,
 - a) a substitute specification including claims that amends the specification to renumber the pages consecutively and cancels any incomplete sentences, and
 - b) a statement that the substitute specification includes no new matter, in compliance with 37 CFR 1.121(b)(3) and 1.125;
2. For a missing figure of the drawings,
 - a) replacement drawing sheets in compliance with 37 CFR 1.121(d) to renumber the drawing figures consecutively (if necessary),
 - b) a substitute specification excluding claims that amends the specification to cancel any references to any omitted drawing(s) and corrects the references in the specification to the drawing figures to correspond with any relabeled drawing figures, and
 - c) a statement that the substitute specification includes no new matter, in compliance with 37 CFR 1.121(b)(3) and 1.125;
3. For a missing page of the claim listing only, a replacement claim listing with the claims renumbered consecutively or, if amendment to the claims is also necessary, then a complete claim listing in compliance with 37 CFR 1.121(c);
4. For a missing or unreadable compact disc,
 - a) a substitute specification (excluding the claims) deleting the reference to the compact disc and the files contained on the compact disc, and
 - b) a statement that the substitute specification includes no new matter, in compliance with 37 CFR 1.121(b)(3) and 1.125; and
5. For a missing or unreadable file submitted on a compact disc,
 - a) a substitute specification (excluding the claims) deleting the reference to the missing or unreadable file, and a statement that the substitute specification includes no new matter, in compliance with 37 CFR 1.121(b)(3) and 1.125; and
 - b) a replacement transmittal letter listing all of the files except the missing or unreadable file in compliance with 37 CFR 1.52(e)(3)(ii).

(B) Alternatively, if applicant wants to accept the application as deposited but wishes to add the subject matter in the omitted item (e.g., a missing page or figure) by relying on an incorporation by reference under 37 CFR 1.57 or other portions of the original disclosure, applicant is required to submit one or more of the following items without adding any new matter (see 35 U.S.C. 132(a)):

1. To add the subject matter in a missing page of specification,
 - a) a substitute specification excluding claims and
 - b) a statement that the substitute specification includes no new matter, in compliance with 37 CFR 1.121(b)(3) and 1.125;

2. To add a missing figure of the drawings, new and replacement drawing sheets in compliance with 37 CFR 1.121(d);
3. To add the subject matter in a missing page of the claim listing, a complete claim listing in compliance with 37 CFR 1.121(c) (e.g., a claim in the missing page should be submitted as a new claim);
4. To add the subject matter in a missing or unreadable compact disc,
 - a) a replacement compact disc and a duplicate copy of the compact disc, in compliance with 37 CFR 1.52(e); and
 - b) a statement that the replacement compact disc contains no new matter in compliance with 37 CFR 1.52(e)(4); and,
5. To add the subject matter in a missing or unreadable file submitted on a compact disc,
 - a) a replacement compact disc that contains all of the files listed in the specification including the missing or unreadable file and a duplicate copy of the compact disc, in compliance with 37 CFR 1.52(e); and
 - b) a statement that the replacement compact disc contains no new matter in compliance with 37 CFR 1.52(e)(4).

If applicant is relying on an incorporation by reference under 37 CFR 1.57 to add the omitted subject matter, then applicant must also comply with the requirements of 37 CFR 1.57.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice".
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
14/261,558	04/25/2014	3618	730	DYN005.CON	12	2

CONFIRMATION NO. 1014

Bernard G. Pike
Pike IP Law, PLLC
P.O. Box 8592
Richmond, VA 23226

FILING RECEIPT



Date Mailed: 05/12/2014

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**

Inventor(s)

Mark Zehfuss, Glen Allen, VA;

Applicant(s)

Mark Zehfuss, Glen Allen, VA;

Assignment For Published Patent Application

BABY JOGGER, LLC, Richmond, VA

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 12/631,375 12/04/2009
which claims benefit of 61/119,920 12/04/2008

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 05/09/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/261,558**

Projected Publication Date: To Be Determined - pending completion of Corrected Papers

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Seat Attachment for a Stroller

Preliminary Class

280

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

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 14/261,558	
APPLICATION AS FILED - PART I							
(Column 1)		(Column 2)		SMALL ENTITY		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	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(j))	12	minus 20 = *	x 40 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 = *	x 210 =	0.00			
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).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
			TOTAL	730		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	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	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))					OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR	
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	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))					OR	
	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 found in the appropriate box in column 1.							

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.	:	14/261,558
	:	
First Named Inventor	:	Mark Zehfuss
Filing Date	:	April 25, 2014
	:	
Art Unit	:	3618
Examiner	:	
	:	
Docket No.	:	DYN005.CON

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P.O. Box 1450
Alexandria, Virginia 22313-1450

Preliminary Amendment and Response to Notice to File Corrected Application Papers

Sir:

Applicants respectfully request entry of the following amendments and consideration of the following remarks prior to examination of the subject application on the merits.

Claim Listing begins on page 2; and

Remarks begins on page 7.

CLAIM LISTING:

1. to 12. (Cancelled)

13. (New) 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 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.

14. (New) The seat attachment for a stroller of claim 13, wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, or a pram.

15. (New) The seat attachment for a stroller of claim 13, wherein each attachment portion has a first end and a second end.

16. (New) The seat attachment for a stroller of claim 15, wherein the first end is capable of connecting to the stroller frame.

17. (New) The seat attachment for a stroller of claim 16, wherein the second end is connected to the seat.

18. (New) 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
separate right and left seat attachment portions, wherein each of the seat attachment portions
comprises a connector portion for removably connecting to the attachment frame member and a
seat support element for removably connecting a stroller seat between the seat attachment
portions.

19. (New) The stroller of claim 18, wherein the attachment frame members comprise a slot
for removably receiving the connector portion of the seat attachment portion.

20. (New) The stroller of claim 18, wherein the frame of the stroller 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.

21. (New) 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 comprising:

a connector portion capable of removably connecting to one of the attachment
frame members above a respective front wheel of the stroller, and

a seat support element removably connecting a second stroller seat in either a
forward or backward position.

22. (New) The stroller of claim 21, wherein the first stroller seat is releasably
connected in a backward position.

23. (New) The stroller of claim 22, wherein the second stroller seat is one of a stroller seat, a car seat, or a bassinet.
24. (New) The stroller of claim 21, wherein the second seat is a bassinet or a car seat.
25. (New) The stroller of claim 21, wherein the frame further comprises two folding mechanisms.
26. (New) The stroller of claim 22, wherein the first seat comprises a releasable connection including a button or a locking tab.
27. (New) The stroller of claim 24, comprising a pair of back wheels.
28. (New) The stroller of claim 27, wherein the front wheels pivot and the back wheels are fixed.
29. (New) The stroller of claim 21, 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.
30. (New) The stroller of claim 21, wherein each of the connector portions has a cylindrical shape.
31. (New) The stroller of claim 30, wherein the attachment frame member has a cylindrical slot.
32. (New) The stroller of claim 31, wherein the connector portion of the seat attachment portion is inserted in the cylindrical slot.
33. (New) The stroller of claim 21, wherein the connector portion is tubular construction.

34 (New) The stroller of claim 21, wherein the connector portion has a circular cross-sectional shape.

35 (New) The stroller of claim 21, wherein the connector portion has a complementary and cooperating shape that allows the connector portion to be secured to the attachment portion.

36 (New) A seat attachment for a stroller, comprising:
a left attachment frame member, wherein the left attachment frame member comprises:
a connector portion capable of removably connecting to a stroller frame and a left seat support element removably connecting a seat in either a forward or backward position
a right attachment frame member, wherein the right attachment frame member comprises:
a connector portion capable of removably connecting to a stroller frame 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.

37 (New) The seat attachment for a stroller of claim 36, wherein the seat is a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram.

38 (New) The seat attachment for a stroller of claim 36, wherein each of the left and right attachment frame members has a first end and a second end.

39 (New) The seat attachment for a stroller of claim 38, wherein the first end is capable of connecting to a stroller frame.

40 (New) The seat attachment for a stroller of claim 39, wherein the second end is connected to the seat attachment member.

41. (New) The seat attachment for a stroller of claim 36, further comprising a stroller seat connected to the left seat support element and the right seat support element.

42. (New) The seat attachment for a stroller of claim 36, wherein both connector portions reversibly connects to the stroller by at least one of buttons, snaps, friction fittings, interference fits, threaded connections, locking tabs, or keyed connections.

REMARKS

New Claims

Claims 1 to 12 are cancelled and new claims 13 to 42 have been added. No new matter has been added through addition of these claims as the subject matter was included in the claims and specification as originally filed.

Substitute Specification

A substitute specification is filed being filed to delete references to Figures 1A and 2A, add a reference to Figure 8A, and correct certain typographical errors. Applicants respectfully submit that no new matter is added with these amendments.

CONCLUSIONS

Applicants respectfully request consideration of the currently claims pending in the subject application and issuance of a Notice of Allowability. Should the Examiner have any concerns, she/he is requested to contact the undersigned at the telephone number given below so that the concerns may be resolved without issuance of an 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
mail@pikeiplaw.com

TITLE

SEAT ATTACHMENT FOR A STROLLER

INVENTOR

Mark Zehfuss

RELATED APPLICATIONS

This U.S. patent application claims priority under 35 U.S.C. §120 to U.S. Patent Application No. 12/361,375 filed on December 4, 2009 which claims priority to U.S. Provisional Patent Application Serial No. 61/119,920 filed on December 4, 2008 and both of which are 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 a 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 stroller. 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 slidably 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] A 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]

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

[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;

[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] Figures 8 and 8A show an embodiment of a stroller 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;

[0027] Figure 10 shows a stroller with left and right attachment frame members for attaching a second seat; and

[0028] Figure 11 shows an attachment frame member with a cylindrical post to be received in a slot in a stroller frame.

DESCRIPTION

[0029] 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.

[0030] 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.

[0031] 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.

[0032] 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.

[0033] 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.

[0034] 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.

[0035] 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

[0036] 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.

[0037] 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.

[0038] 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.

[0039] 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.

[0040] 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.

[0041] 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.

[0042] 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.

[0043] 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.

[0044] 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.

[0045] 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.

[0046] 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.

[0047] 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.

[0048] 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 the child carrier 91 may be positioned in the first seat position and the stroller seat 85 in the second seat position, 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.

[0049] 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 be 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.

[0050] 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.

[0051] 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.

[0052] 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.

[0053] 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

Mark Zehfuss

RELATED APPLICATIONS

This U.S. patent application claims priority under 35 U.S.C. §120 to U.S. Patent Application No. 12/361,375 filed on December 4, 2009 which claims priority to U.S. Provisional Patent Application Serial No. 61/119,920 filed on December 4, 2008 and both of which are 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 a 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 stroller. 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 slidably 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] ~~Another~~ 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;~~

~~[0018]~~

[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~~ Figures 8 shows and 8A show 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;

[0027] Figure 10 shows a stroller with left and right attachment frame members for attaching a second seat, and

[0028] Figure 11 shows an attachment frame member with a cylindrical post to be received in a slot in a stroller frame.

DESCRIPTION

[0029] 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.

[0030] 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.

[0031] 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.

[0032] 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.

[0033] 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.

[0034] 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.

[0035] 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

[0036] 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.

[0037] 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.

[0038] 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.

[0039] 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.

[0040] 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.

[0041] 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.

[0042] 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.

[0043] 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.

[0044] 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.

[0045] 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.

[0046] 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.

[0047] 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.

[0048] 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 ~~position~~ position, 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.

[0049] 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 be 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.

[0050] 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.

[0051] 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.

[0052] 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.

[0053] 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:
a left attachment frame member, wherein the left attachment frame member comprises:
a connector portion capable of reversibly connecting to a stroller frame and a
left seat support element capable of supporting a seat in either a forward or backward
position
a right attachment frame member, wherein the right attachment frame member comprises:
a connector portion capable of reversibly connecting to a stroller frame and a
right seat support element capable of supporting the seat in either a forward or
backward position between the left and right seat support elements.~~
2. ~~The seat attachment for a stroller of claim 1, wherein the seat is a baby seat, a car seat, a
stroller seat, a bassinet, a baby carrier, or a pram.~~
3. ~~The seat attachment for a stroller of claim 1, wherein each of the left and right
attachment frame members has a first end and a second end.~~
4. ~~The seat attachment for a stroller of claim 3, wherein the first end is capable of
connecting to a stroller frame.~~
5. ~~The seat attachment for a stroller of claim 4, wherein the second end is connected to the
seat attachment member.~~
6. ~~The seat attachment for a stroller of claim 1, further comprising a stroller seat connected
to the left seat support element and the right seat support element.~~
7. ~~The seat attachment for a stroller of claim 1, wherein both connector portions reversibly
connects to the stroller by at least one of buttons, snaps, friction fittings, interference fits,
threaded connections, locking tabs, or keyed connections.~~
8. ~~A stroller, comprising:~~

a frame;
a first pair of seat attachments permanently attached to the frame capable of supporting a first stroller seat; and
~~a second pair of seat attachments releasably attached to the frame capable of supporting a second stroller seat.~~

9. ~~The stroller of claim 8, comprising:~~

~~a pair of frame attachment portions attached to the frame, wherein the second pair of seat attachments are releasably attached to the pair of frame attachment portions.~~

10. ~~The stroller of claim 9, wherein each of the frame attachment portions comprise a sleeve for removably receiving the one of the second pair of attachment portions.~~

11. ~~The stroller of claim 8, wherein the second stroller seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram.~~

12. ~~The stroller of claim 11, wherein the first stroller seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram.~~

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.

Electronic Patent Application Fee Transmittal				
Application Number:		14261558		
Filing Date:		25-Apr-2014		
Title of Invention:		Seat Attachment for a Stroller		
First Named Inventor/Applicant Name:		Mark Zehfuss		
Filer:		Bernard Pike		
Attorney Docket Number:		DYN005.CON		
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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 - 1 month with \$0 paid	2251	1	100	100

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				100

Electronic Acknowledgement Receipt	
EFS ID:	19720702
Application Number:	14261558
International Application Number:	
Confirmation Number:	1014
Title of Invention:	Seat Attachment for a Stroller
First Named Inventor/Applicant Name:	Mark Zehfuss
Correspondence Address:	Bernard G. Pike Pike IP Law, PLLC P.O. Box 8592 - Richmond VA 23226 US - mail@pikeiplaw.com
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File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Preliminary Amendment	DYN005CONPreliminaryAmendment.pdf	106080	no	7
			5936fb4ab31ae53f169eac2f46994480afcb46e1		
Warnings:					
Information:					
2	Specification	DYN005CONReplacementSpecification.pdf	102751	no	14
			52b3cb4941cf006088d3f139a8ed5500eac61d59		
Warnings:					
Information:					
3	Specification	DYN005CONReplacementSpecificationshowingchanges.pdf	112429	no	17
			adfb76cb282dc4a5b6387af598ed351af33d2af9		
Warnings:					
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4	Fee Worksheet (SB06)	fee-info.pdf	29900	no	2
			bd064542e70f2877488493636de2d2c717482037		
Warnings:					
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Total Files Size (in bytes):			351160		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 14/261,558	
APPLICATION AS FILED - PART I							
(Column 1)		(Column 2)		SMALL ENTITY		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	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(j))	30	minus 20 = *	10	x 40 =	400		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	4	minus 3 = *	1	x 210 =	210		
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).				0.00		
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					0.00		
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL	1340
APPLICATION AS AMENDED - PART II							
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =		x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =		x =
	Application Size Fee (37 CFR 1.16(s))						
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
				TOTAL ADD'L FEE		TOTAL ADD'L FEE	
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =		x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =		x =
	Application Size Fee (37 CFR 1.16(s))						
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
				TOTAL ADD'L FEE		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 found in the appropriate box in column 1.							



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/261,558	04/25/2014	Mark Zehfuss	DYN005.CON

CONFIRMATION NO. 1014

FORMALITIES LETTER



Bernard G. Pike
Pike IP Law, PLLC
P.O. Box 8592
Richmond, VA 23226

Date Mailed: 08/05/2014

NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

Filing Date Granted

The U.S. Patent and Trademark Office has received your reply on 07/29/2014 to the Notice to File Missing Parts (Notice) mailed 05/12/2014 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice. A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application. Replies should be mailed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Applicant is given **TWO MONTHS** from the date of the Notice to File Missing Parts (Notice) mailed 05/12/2014 within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

Items Required to Avoid Abandonment:

The required items noted below SHOULD be filed along with any items required above. The filing date of this nonprovisional application will be the date of receipt of the items required above.

- Additional claim fees of \$ **610** as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of the Notice to avoid abandonment is/are itemized below. Small entity discount is in effect. If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- \$ **210** for **1** independent claims over 3.
- \$ **400** for **10** total claims over 20.
- \$(**0**) previous unapplied payment amount.
- \$ **610** TOTAL FEE BALANCE DUE.

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
14/261,558	04/25/2014	3618	730	DYN005.CON	30	4

CONFIRMATION NO. 1014

Bernard G. Pike
Pike IP Law, PLLC
P.O. Box 8592
Richmond, VA 23226

FILING RECEIPT



Date Mailed: 08/05/2014

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**

Inventor(s)

Mark Zehfuss, Glen Allen, VA;

Applicant(s)

Mark Zehfuss, Glen Allen, VA;

Assignment For Published Patent Application

BABY JOGGER, LLC, Richmond, VA

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 12/631,375 12/04/2009 ABN
which claims benefit of 61/119,920 12/04/2008

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 05/09/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/261,558**

Projected Publication Date: 11/13/2014

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Seat Attachment for a Stroller

Preliminary Class

280

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

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>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

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 U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



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
14/261,558	04/25/2014	Mark Zehfuss	DYN005.CON

Bernard G. Pike
Pike IP Law, PLLC
P.O. Box 8592
Richmond, VA 23226

CONFIRMATION NO. 1014
FORMALITIES LETTER



Date Mailed: 08/05/2014

NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

Filing Date Granted

The U.S. Patent and Trademark Office has received your reply on 07/29/2014 to the Notice to File Missing Parts (Notice) mailed 05/12/2014 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice. A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application. Replies should be mailed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Applicant is given **TWO MONTHS** from the date of the Notice to File Missing Parts (Notice) mailed 05/12/2014 within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

Items Required to Avoid Abandonment:

The required items noted below SHOULD be filed along with any items required above. The filing date of this nonprovisional application will be the date of receipt of the items required above.

- Additional claim fees of \$ **610** as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of the Notice to avoid abandonment is/are itemized below. Small entity discount is in effect. If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- \$ **210** for **1** independent claims over 3.
- \$ **400** for **10** total claims over 20.
- \$(**0**) previous unapplied payment amount.
- \$ **610** TOTAL FEE BALANCE DUE.

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice".
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

/ktesfaye/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

Electronic Patent Application Fee Transmittal				
Application Number:		14261558		
Filing Date:		25-Apr-2014		
Title of Invention:		Seat Attachment for a Stroller		
First Named Inventor/Applicant Name:		Mark Zehfuss		
Filer:		Bernard Pike		
Attorney Docket Number:		DYN005.CON		
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	10	40	400
Independent Claims in Excess of 3	2201	1	210	210
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 (\$)				610

Electronic Acknowledgement Receipt	
EFS ID:	20098920
Application Number:	14261558
International Application Number:	
Confirmation Number:	1014
Title of Invention:	Seat Attachment for a Stroller
First Named Inventor/Applicant Name:	Mark Zehfuss
Correspondence Address:	Bernard G. Pike Pike IP Law, PLLC P.O. Box 8592 - Richmond VA 23226 US - mail@pikeiplaw.com
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005.CON
Receipt Date:	10-SEP-2014
Filing Date:	25-APR-2014
Time Stamp:	14:30:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$610

RAM confirmation Number		765			
Deposit Account					
Authorized User					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant Response to Pre-Exam Formalities Notice	DYN005Notice.PDF	94126	no	2
			f1131f8e05087b497e776d106043374a2480079b		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	31378	no	2
			b13d257e6048d8c3e8826852a27f8f58f62a7f75		
Warnings:					
Information:					
Total Files Size (in bytes):			125504		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/261,558	04/25/2014	Mark Zehfuss	DYN005.CON

Bernard G. Pike
Pike IP Law, PLLC
P.O. Box 8592
Richmond, VA 23226

CONFIRMATION NO. 1014
MISCELLANEOUS NOTICE



Date Mailed: 09/12/2014

A communication which cannot be delivered in electronic form has been mailed to the applicant.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/261,558	04/25/2014	Mark Zehfuss	DYN005.CON

CONFIRMATION NO. 1014

Bernard G. Pike
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P.O. Box 8592
Richmond, VA 23226

MISCELLANEOUS NOTICE



Date Mailed: 09/12/2014

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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/261,558	04/25/2014	Mark Zehfuss	DYN005.CON

CONFIRMATION NO. 1014

Bernard G. Pike
Pike IP Law, PLLC
P.O. Box 8592
Richmond, VA 23226



OC000000070735926

Date Mailed: 09-12-2014

NOTICE OF INCOMPLETE REPLY

Filing Date Granted

Applicant's reply to the Notice mailed on 05-12-2014 was received in the U.S. Patent and Trademark Office on 07-30-2014. The reply, however, was received after the expiration of the period for reply set forth in the Notice. The application will become **abandoned** unless applicant obtains an extension of the period for reply. An extension of the reply period may be obtained by filing a petition under 37 CFR 1.136(a). The petition must be accompanied by the appropriate fee as set forth in 37 CFR 1.17 (see the current fees below). **The date on which the reply, the petition, and the fee have been filed is the date of the reply and also the date for purposes of determining the period of extension and the corresponding amount of the fee due.** The expiration of the time period is determined by the amount of the fee paid. Applicant is advised that extensions may not be granted under 37 CFR 1.136(a) for more than FIVE MONTHS beyond the time period set in the Notice.

Mail date of Notice:

05-12-2014

Last date that extension may be obtained: (Note: The petition and fee must be received by this date, or include a proper certificate of mailing under 37 CFR 1.8 with a date on or before this date, and extend the time to include this date.)

12-12-2014

Length of Extension of Time	Fee under 37 CFR 1.17(a) effective March 19, 2013		
	Undiscounted	Small Entity	Micro Entity
One Month	\$200	\$100	\$50
Two Months	\$600	\$300	\$150
Three Months	\$1,400	\$700	\$350
Four Months	\$2,200	\$1,100	\$550
Five Months	\$3,000	\$1,500	\$750

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450


Application Assistance Unit
571-272-4200

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number (Optional) DYN005.CON
Application Number 14/261,558	Filed 4/25/2014	
For Seat Attachment for a Stroller		
Art Unit	Examiner James Dolak	

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

	<u>Fee</u>	<u>Small Entity Fee</u>	<u>Micro Entity Fee</u>	
<input type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$200	\$100	\$50	\$ _____
<input type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$600	\$300	\$150	\$ _____
<input checked="" type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$1,400	\$700	\$350	\$ 700
<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$2,200	\$1,100	\$550	\$ _____
<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$3,000	\$1,500	\$750	\$ _____

☒ Applicant asserts small entity status. See 37 CFR 1.27.
☐ Applicant certifies micro entity status. See 37 CFR 1.29.
 Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.
☐ A check in the amount of the fee is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director has already been authorized to charge fees in this application to a Deposit Account.
☐ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to
 Deposit Account Number _____
☒ Payment made via EFS-Web.

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.

I am the

☐ applicant/inventor.
☐ assignee of record of the entire interest. See 37 CFR 3.71. 37 CFR 3.73(b) statement is enclosed (Form PTO/SB/96).
☒ attorney or agent of record. Registration number **46993**
☐ attorney or agent acting under 37 CFR 1.34. Registration number _____

/Bernard G. Pike/

 Signature

Sep. 16, 2014

 Date

Bernard G. Pike

 Typed or printed name

804-615-3939

 Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☐ * Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.136(a). 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 6 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:		14261558		
Filing Date:		25-Apr-2014		
Title of Invention:		Seat Attachment for a Stroller		
First Named Inventor/Applicant Name:		Mark Zehfuss		
Filer:		Bernard Pike		
Attorney Docket Number:		DYN005.CON		
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 \$100 paid	2253	1	600	600

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				600

Electronic Acknowledgement Receipt	
EFS ID:	20155191
Application Number:	14261558
International Application Number:	
Confirmation Number:	1014
Title of Invention:	Seat Attachment for a Stroller
First Named Inventor/Applicant Name:	Mark Zehfuss
Correspondence Address:	Bernard G. Pike Pike IP Law, PLLC P.O. Box 8592 - Richmond VA 23226 US - mail@pikeiplaw.com
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005.CON
Receipt Date:	16-SEP-2014
Filing Date:	25-APR-2014
Time Stamp:	16:43:46
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		3302			
Deposit Account					
Authorized User					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Extension of Time	DYN005CONExtensionTime.pdf	186403 09d06c7a7023fef09aaad75bf99bcef8cd05a75e	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30120 1a301b46f0106c7343110ae8ef422cc876b4976c	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			216523		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					



UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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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
14/261,558	04/25/2014	3618	1340	DYN005.CON	30	4

CONFIRMATION NO. 1014

UPDATED FILING RECEIPT



Bernard G. Pike
Pike IP Law, PLLC
P.O. Box 8592
Richmond, VA 23226

Date Mailed: 09/19/2014

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**

Inventor(s)

Mark Zehfuss, Glen Allen, VA;

Applicant(s)

Mark Zehfuss, Glen Allen, VA;

Assignment For Published Patent Application

BABY JOGGER, LLC, Richmond, VA

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 12/631,375 12/04/2009 ABN
which claims benefit of 61/119,920 12/04/2008

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 05/09/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/261,558**

Projected Publication Date: 11/13/2014

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Seat Attachment for a Stroller

Preliminary Class

280

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

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>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

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 U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 14/261,558	
APPLICATION AS FILED - PART I							
(Column 1)		(Column 2)		SMALL ENTITY		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	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(j))	30	minus 20 = *	10	x 40 =	400		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	4	minus 3 = *	1	x 210 =	210		
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).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
			TOTAL	1340		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	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =		x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =		x =
	Application Size Fee (37 CFR 1.16(s))						
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
				TOTAL ADD'L FEE		TOTAL ADD'L FEE	
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =		x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =		x =
	Application Size Fee (37 CFR 1.16(s))						
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
				TOTAL ADD'L FEE		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 found in the appropriate box in column 1.							



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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 10/01/2014
BERNARD G. PIKE
PIKE IP LAW, PLLC
P.O. BOX 8592
RICHMOND, VA 23226

EXAMINER

DOLAK, JAMES M

ART UNIT

PAPER NUMBER

3618

DATE MAILED: 10/01/2014

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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14/261,558

04/25/2014

Mark Zehfuss

DYN005.CON

1014

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	01/02/2015

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)

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.

7590 10/01/2014
BERNARD G. PIKE
PIKE IP LAW, PLLC
P.O. BOX 8592
RICHMOND, VA 23226

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.
14/261,558	04/25/2014	Mark Zehfuss	DYN005.CON	1014

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	01/02/2015

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, 1 _____
- (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. 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
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

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.

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.

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. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/261,558	04/25/2014	Mark Zehfuss	DYN005.CON	1014
7590 BERNARD G. PIKE PIKE IP LAW, PLLC P.O. BOX 8592 RICHMOND, VA 23226		10/01/2014	EXAMINER DOLAK, JAMES M	
			ART UNIT 3618	PAPER NUMBER

DATE MAILED: 10/01/2014

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

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. 14/261,558	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 7/29/2014.
☐ 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 13-42. 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. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date ____ 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material 4. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date ____	5. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 7. <input type="checkbox"/> Other ____
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/JAMES M DOLAK/ Examiner, Art Unit 3618	/J. ALLEN SHRIVER II/ Supervisory Patent Examiner, Art Unit 3618
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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 information disclosure statement (IDS) submitted on 4/25/2014 was filed in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

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 Bernard G. Pike (Applicant's representative) on 9/25/2014.

The application has been amended as follows:

In the Claims:

Replace Claim 36 with the following:

A seat attachment for a stroller, comprising:

a left seat attachment portion, wherein the left seat attachment portion comprises: a connector portion capable of removably connecting to a stroller frame

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adjacent a left front wheel and a left seat support element removably connecting a seat in either a forward or backward position; and

a right seat attachment portion, wherein the right seat attachment portion comprises: a connector portion capable of removably connecting to the stroller frame adjacent a right front wheel 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.

Replace Claim 38, with the following:

The seat attachment for a stroller of claim 36, wherein each of the left and right seat attachment portions has a first end and a second end.

Replace Claim 39, line 2 with the following:

directly connecting to the stroller frame.

Replace Claim 40, with the following:

connected to the seat.

Allowable Subject Matter

4. Claims 13-42 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 13 and similarly claimed in Claims 18, 21, and 36.

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

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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. 14/261,558	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-8,764,048	07-2014	Ahnert et al.	280/658
*	B	US-8,061,732	11-2011	Song et al.	280/650
*	C	US-8,733,784	05-2014	Kobayashi, Koichi	280/647
*	D	US-8,696,016	04-2014	Homan et al.	280/647
*	E	US-8,458,880	06-2013	Fiore, Jr., Joseph F.	29/426.5
*	F	US-8,231,136	07-2012	Fiore, Jr., Joseph F.	280/648
*	G	US-7,311,323	12-2007	Lan, Red	280/642
*	H	US-8,444,171	05-2013	Smith et al.	280/649
*	I	US-8,033,554	10-2011	Vieira et al.	280/47.38
*	J	US-7,681,894	03-2010	Santamaria, Manuel Jane	280/47.38
*	K	US-7,377,537	05-2008	Li, Wei-Yeh	280/650
*	L	US-7,475,900	01-2009	Cheng, Huang-Yi	280/642
	M	US-			


FOREIGN PATENT DOCUMENTS

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	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.

Issue Classification 	Application/Control No. 14261558	Applicant(s)/Patent Under Reexamination ZEHFUSS, MARK	
	Examiner JAMES M DOLAK	Art Unit 3618	

CPC						
Symbol					Type	Version
B62B		9		28	F	2013-01-01
B62B		7		006	I	2013-01-01


CPC Combination Sets					
Symbol		Type	Set	Ranking	Version
					
					

/JAMES M DOLAK/ Examiner.Art Unit 3618	09/24/2014	Total Claims Allowed: 30	
(Assistant Examiner)	(Date)		
/J. ALLEN SHRIVER II/ Supervisory Patent Examiner.Art Unit 3618	09/29/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	8 & 10

Issue Classification 	Application/Control No. 14261558	Applicant(s)/Patent Under Reexamination ZEHFUSS, MARK
	Examiner JAMES M DOLAK	Art Unit 3618

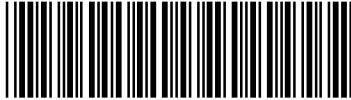
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4	16	20	32												

/JAMES M DOLAK/ Examiner.Art Unit 3618 (Assistant Examiner)	09/24/2014 (Date)	Total Claims Allowed: 30	
/J. ALLEN SHRIVER II/ Supervisory Patent Examiner.Art Unit 3618 (Primary Examiner)	09/29/2014 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 8 & 10

<i>Index of Claims</i> 	Application/Control No. 14261558	Applicant(s)/Patent Under Reexamination ZEHFUSS, MARK
	Examiner JAMES M DOLAK	Art Unit 3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
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<p><i>Index of Claims</i></p> 	Application/Control No. 14261558	Applicant(s)/Patent Under Reexamination ZEHFUSS, MARK
	Examiner JAMES M DOLAK	Art Unit 3618

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EAST Search History

EAST Search History (Prior Art)

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S24	1076	S22 and S23	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 23:15
S25	2837	(280/650,657,647,648,658,639,642,643).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/06/28 23:15
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
S29	1	("6209892").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/06/28 23:16
S30	44	("3829113" "4729572" "4768795" "4861105" "5056865" "5076599" "5146656" "5322343" "5676386"	US- PGPUB; USPAT;	OR	ON	2012/06/28 23:16

		"5727798" "5820144" "5887889").PN. OR ("6209892").URPN.	USOCR			
S31	115	S28 and expand\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 23:20
S32	58	("5564786" "0733889" "6443467" "0329579" "5611560" "3235279" "0292933" "6017051" "0781495" "2305719" "1707186" "4989890" "6220621" "6676140" "1168896" "2517443" "20030075903" "0647165").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 23:22
S33	33	("2769482" "2857953" "2993702" "3235279" "3309101" "3330575" "3738700" "4725071" "5018754" "5263730" "5338096" "5417449" "5653460" "5664795" "5911432" "6045145" "6068087" "6378892" "D321850" "D359937").PN. OR ("6676140").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/06/28 23:24
S34	16	("1560802" "5076579" "5123670" "5188389" "5224720" "5301963" "5476275" "5669624" "5695208" "6017051" "6036220").PN. OR ("6443467").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/06/28 23:25
S35	15	("1707186").URPN.	USPAT	OR	ON	2012/06/28 23:28
S36	14	("20030111825" "5333893" "6209892" "6513827" "6863286" "7032922" "7367581" "7377537" "D429664" "D430076").PN. OR ("7475900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/06/28 23:31
S37	44	S31 and (wheel near2 remov\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/06/28 23:35
S38	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	2012/06/28 23:36
S39	20	("4725071" "5221106" "5338096" "5522121" "5918892" "6209892" "6267406" "6527294" "D296540").PN. OR ("6752405").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/06/28 23:46
S40	15	("0522608" "1707186" "3223431" "3524655" "3997180" "4620686" "4632409" "4836573" "6267406" "6752405" "7364183").PN. OR ("8157273").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/06/28 23:48
S41	30	("0556168" "1707186" "1934396"	US-	OR	ON	2012/06/28

		"20020033588" "20050167951" "20070252352" "20080143082" "20090026733" "3383738" "4083579" "4805938" "5221106" "5333893" "5522121" "5769448" "5918892" "6431579" "6527294" "6601866" "6752405" "7481439" "7516966" "7597332" "D484075" "D595621" "D598333").PN. OR ("7896384").URPN.	PGPUB; USPAT; USOCR			23:49
S42	13	("3000645" "4969656" "5125712" "5522121" "5918892" "6527294" "6561526" "6715783" "6752405" "6851693" "6938906").PN. OR ("7677585").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2012/06/28 23:50
S43	28	("0122730" "0937625" "1212221" "20070114738" "2836224" "3000645" "4288124" "4779883" "4805938" "4863217" "5312122" "5622375" "5653460" "5704627" "5848797" "6378892" "6530591" "6746079" "6851693" "7226059" "7481439" "7597332" "7677585").PN. OR ("8128103").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2012/06/28 23:51
S44	9	("3000645").URPN.	USPAT	OR	ON	2012/06/28 23:55
S45	1	("6702316").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/06/29 00:04
S46	29	("20010040357" "20020060444" "20020093177" "4852894" "4921261" "4989888" "5490685" "5641200" "5676386" "5794951" "5947555" "6189914" "6209892" "6241274" "6286844" "6302412" "6331032" "6398233" "6409205").PN. OR ("6702316").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2012/06/29 00:04
S47	2446	(297/130,232,243,463.1).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 04:43
S48	37502608	@ad< = "20081204"	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/07/01 04:43
S49	1076	S47 and S48	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/07/01 04:43
S50	2837	(280/650,657,647,648,658,639,642,643).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 04:43
S51	1861	S50 and S48	US-	OR	ON	2012/07/01

			PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT			04:43
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
S54	21	S52 and cylindrical near2 connect\$3	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2012/07/01 05:05
S55	29	("1506565" "1885627" "1954179" "20040026895" "20040164515" "2220528" "2334387" "2482585" "5395130" "5454578" "5501480" "5536027" "5904363" "6022042" "6331013" "6443467" "6443469" "6685206" "6685207" "D327240" "D405031" "D486425").PN. OR ("7261308").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2012/07/01 05:10
S56	28	("0122730" "0937625" "1212221" "20070114738" "2836224" "3000645" "4288124" "4779883" "4805938" "4863217" "5312122" "5622375" "5653460" "5704627" "5848797" "6378892" "6530591" "6746079" "6851693" "7226059" "7481439" "7597332" "7677585").PN. OR ("8128103").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2012/07/01 05:17
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
S58	18	("2926880" "3290050" "3309101" "4183580" "4711489" "4779883" "5074616" "5168601" "5265931" "5401076" "5529325").PN. OR ("5704627").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2012/07/01 05:21
S59	23	("4542915" "4854607" "4986564" "5033761").PN. OR ("5653460").URPN.	US- PGPUB;	OR	ON	2012/07/01 05:22

			USPAT; USOCR			
S60	31	("2453631" "2558372" "4953887" "5090724" "5380262" "5653460" "5676386").PN. OR ("6155592").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2012/07/01 05:25
S61	5	("2453631").URPN.	USPAT	OR	ON	2012/07/01 05:27
S62	33	("0279778" "1033324" "2453631" "3643292" "3849834" "3879146" "4132429" "4335900" "4606550" "4856809" "4902027" "4953880" "5176395" "5188389" "5263730" "5299825" "5318318" "5344171" "5356171" "5364119" "5536027").PN. OR ("5647601").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2012/07/01 05:28
S63	5	("2453631").URPN.	USPAT	OR	ON	2012/07/01 05:29
S64	16	("1560802" "5076579" "5123670" "5188389" "5224720" "5301963" "5476275" "5669624" "5695208" "6017051" "6036220").PN. OR ("6443467").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2012/07/01 05:33
S65	1	("7677585").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 15:09
S66	1	("6676140").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:02
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
S70	1	("6752405").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:14
S71	1	("8157273").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:14
S72	1	("7896384").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:15
S73	1	("6561526").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:16

S74	1	("5653460").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/01 16:17
S75	2925	(280/650,657,647,648,658,639,642,643).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/02/13 17:32
S76	37571828	@ad<="20081204"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2013/02/13 17:32
S77	1873	S75 and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2013/02/13 17:32
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; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2013/02/13 17:36
S80	1080	S78 and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2013/02/13 17:36
S81	1	("20050082897").PN. OR ("8246020").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/02/13 17:44
S82	9	("20070085303" "20080303232" "20090033066" "3784252" "5257799" "5794951" "6086086" "7367581" "7377537").PN. OR ("8205906").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/02/13 17:52
S83	31	("20010002745" "20030067138" "20050099025" "20060237932" "20070063474" "20080067776" "20090026817" "2450051" "4754987" "5076599" "5267744" "5454577" "5474316" "5577746" "5921571" "5947497" "5979921" "6196572" "6663126" "6764087" "6767028" "6929274" "6976697" "7052026" "7168761" "7172206" "7354058" "7431324" "7445222" "7547029").PN. OR ("8262103").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/02/13 17:58

S84	22	("20080211206" "20090014985" "20090078482" "3605929" "4362311" "4861058" "5020624" "5421598" "5921338" "6135222" "6220382" "6378642" "6439331" "6659488" "6793248" "7044249" "7080847" "7364182" "7571926" "7591479" "7832755").PN. OR ("8336904").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/02/13 18:03
S85	1	("8251382").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/02/14 15:15
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
S87	32	("4836573" "4892327" "5028061" "5069474" "5257799" "5460430" "5887935" "5921574" "6099022" "6523853" "6594840" "6739649" "7281732").PN. OR ("7377537").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/02/14 17:50
S88	57	("20020093177" "20020109320" "20030075903" "20030080536" "20030111825" "20040032103" "20040094922" "20040124610" "20040124611" "20040245747" "20050093259" "20050127640" "20050242535" "20050242549" "20060119079" "20070001429" "20070108710" "20070194545" "20080157491" "20090127827" "5333893" "5676386" "5772279" "5794951" "5833261" "5947555" "6086087" "6209892" "6286844" "6331032" "6398233" "6409205" "6513827" "6530591" "6626452" "6641164" "6702316" "6793280" "6802514" "6863286" "6893031" "6923467" "6983986" "6986518" "7017921" "7032922" "7070197" "7370913" "7377537" "7419181" "7445229" "7475900" "7513512" "7600775" "7614641" "7938435" "D430076").PN. OR ("8328208").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2013/02/14 17:52
S89	3003	(280/650,657,647,648,658,639,642,643).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/07/16 15:09
S90	37602504	@ad<="20081204"	US-PGPUB; USPAT; USOCR;	OR	ON	2013/07/16 15:09

			FPRS; EPO; JPO; DERWENT			
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-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
S95	26	("20060131841" "20070069505" "20070210560" "20080012268" "20080224450" "20080224451" "20090160162" "20100171289" "20100201103" "5947555" "6045145" "6270111" "6331032" "6715783" "7032922" "7367581" "7475900" "7677585" "7753398" "7775532" "7798500" "7938435" "8061732" "8128119" "8157273" "8205906").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/23 15:16
S96	1	("8240700").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/23 15:17
S97	231	("1598778" "1709527" "20050012306" "20050242549" "20060001226" "20060131840" "20060131841" "20060152059" "20060157945" "20060219374" "20060261576"	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/23 15:17

"20090127827"	"20090127828"	
"20090243260"	"20100038886"	"2616719"
"2783053"	"3112042"	"3168330"
"3227484"	"3390893"	"3459435"
"3504926"	"3556546"	"3561787"
"3653681"	"3799567"	"3989295"
"4007947"	"4023825"	"4046401"
"4111454"	"4126331"	"4191397"
"4232897"	"4248443"	"4317581"
"4322093"	"4335900"	"4362315"
"4365819"	"4378946"	"4412688"
"4415180"	"4513974"	"4542915"
"4564212"	"4591176"	"4602395"
"4606550"	"4610460"	"4632420"
"4632421"	"4660850"	"4706986"
"4733882"	"4741056"	"4741551"
"4763911"	"4763919"	"4768795"
"4770437"	"4805928"	"4807928"
"4817982"	"4819958"	"4832361"
"4856809"	"4886289"	"4892327"
"4906017"	"4907818"	"4924725"
"4930697"	"4953887"	"4968092"
"5028061"	"5056805"	"5074575"
"5087066"	"5110150"	"5143398"
"5181735"	"5184835"	"5201535"
"5205577"	"5205579"	"5238292"
"5244228"	"5246272"	"5257799"
"5362089"	"5388852"	"5398951"
"5417449"	"5417450"	"5427402"
"5431478"	"5437493"	"5441163"
"5454584"	"5460395"	"5460398"
"5472224"	"5478102"	"5489138"
"5511259"	"5511441"	"5524503"
"5527090"	"5605409"	"5622377"
"5645293"	"5649737"	"5664795"
"5669623"	"5669624"	"5669625"
"5676386"	"5718444").PN. OR ("5722682"	
"5727798"	"5741021"	"5752738"
"5765855"	"5765856"	"5769447"
"5772235"	"5775718"	"5795091"
"5810432"	"5845666"	"5845924"
"5876057"	"5887935"	"5921571"
"5934757"	"5938229"	"5947555"
"5979928"	"5984332"	"5988669"
"5988670"	"6068284"	"6070890"
"6099022"	"6102431"	"6116624"
"6129373"	"6139046"	"6152476"
"6155740"	"6189914"	"6193263"
"6209829"	"6273451"	"6286844"
"6296004"	"6299194"	"6302613"
"6339862"	"6368006"	"6398233"
"6409205"	"6412809"	"6443261"
"6443479"	"6446990"	"6467739"
"6478327"	"6557871"	"6557885"
"6572134"	"6581957"	"6666473"
"6851700"	"7017921"	"7017937"
"7032922"	"7044497"	"7185909"
"7188858"	"7281732"	"7338122"
"7445229"	"7445230"	"7621431"
"7686322"	"7871100"	"D308656"
"D310645"	"D317280"	"D320370"
"D337257"	"D352017"	"D357439"
"D357440"	"D412142"	"D415075"
"D419113"	"D421940"	"D427822"

		"D431212" "D431213" "D452192" "D470803" "D473663" "D480195" "D494511" "D521422" "D545074" "D558648" "D566629" "D593272" "D604151" "D617255" "D630934" "D636300").PN. OR ("8240700").URPN.				
S98	1	("8186705").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/23 16:51
S99	236	("1598778" "1709527" "20050012306" "20050242549" "20060001226" "20060131840" "20060131841" "20060152059" "20060157945" "20060219374" "20060261576" "20090127827" "20090127828" "20090243260" "20100171289" "2616719" "2783053" "3112042" "3168330" "3227484" "3390893" "3459435" "3504926" "3556546" "3561787" "3653681" "3784252" "3799567" "3989295" "4007947" "4023825" "4046401" "4111454" "4126331" "4191397" "4232897" "4248443" "4317581" "4322093" "4335900" "4362315" "4365819" "4378946" "4412688" "4415180" "4513974" "4542915" "4564212" "4591176" "4602395" "4606550" "4610460" "4632420" "4632421" "4660850" "4706986" "4733882" "4741056" "4741551" "4763911" "4763919" "4768795" "4770437" "4805928" "4807928" "4817982" "4819958" "4832361" "4856809" "4886289" "4892327" "4906017" "4907818" "4924725" "4930697" "4953887" "4968092" "5028061" "5056805" "5074575" "5087066" "5110150" "5143398" "5181735" "5184835" "5201535" "5205577" "5205579" "5238292" "5244228" "5246272" "5257799" "5362089" "5388852" "5398951" "5417449" "5417450" "5427402" "5431478" "5437493" "5441163" "5454584" "5460395" "5460398" "5472224" "5478102" "5489138" "5511259" "5511441" "5524503" "5527090" "5605409" "5622377" "5645293" "5649737" "5664795" "5669623" "5669624" "5669625" "5676386").PN. OR ("5718444" "5722682" "5727798" "5741021" "5752738" "5765855" "5765856" "5769447" "5772235" "5775718" "5795091" "5810432" "5845666" "5845924" "5876057" "5887935" "5921571" "5934757" "5938229" "5947555" "5979928" "5984332" "5988669" "5988670" "6068284" "6070890" "6099022" "6102431" "6116624" "6129373" "6139046" "6152476" "6155740" "6189914" "6193263" "6209829" "6273451"	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/23 16:56

		"6286844" "6296004" "6299194" "6302613" "6339862" "6368006" "6398233" "6409205" "6412809" "6443261" "6443479" "6446990" "6467739" "6478327" "6557871" "6557885" "6572134" "6581957" "6666473" "6851700" "7017921" "7017937" "7032922" "7044497" "7185909" "7188858" "7281732" "7338122" "7445229" "7445230" "7475900" "7621431" "7658399" "7686322" "7871100" "7938435" "8033555" "D308656" "D310645" "D317280" "D320370" "D337257" "D352017" "D357439" "D357440" "D412142" "D415075" "D419113" "D421940" "D427822" "D431212" "D431213" "D452192" "D470803" "D473663" "D480195" "D494511" "D521422" "D545074" "D558648" "D566629" "D593272" "D604151" "D617255" "D630934" "D636300").PN. OR ("8186705").URPN.				
S100	17	("20060001226" "6099022" "5121940" "6502901" "6530591" "6641164" "20060157945" "6193263" "6626452" "20060152059" "4365819" "6209829" "6398233" "6877761" "7070197" "20060131841" "7320471").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/23 17:08
S101	2	("4953667" "4257729").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/24 13:00
S102	1	("6168174").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/24 13:04
S103	1	("6209892").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/24 13:04
S104	1	("6296260").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/24 13:18
S105	1	("6203053").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/24 13:19
S106	1	("4681330").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/24 13:20
S107	1	("5685552").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/24 13:21
S108	1	("5984326").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/24 13:21

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
S111	6	("5653460" "6045145" "6378892").PN. OR ("7320471").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/24 13:25
S112	23	("4657269" "4836573" "5184835" "5338096" "5664795" "5911432").PN. OR ("6045145").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/24 13:26
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" "D365925" "D402235" "D508443").PN. OR ("7497461").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/24 16:08
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"	US-	OR	ON	2013/07/25

		"4946180" "5121940" "5188380" "5676386" "5772279" "5947555" "6070890" "6155592" "6286844" "6398233" "6409205" "6478327" "D345720").PN. OR ("6641164").URPN.	PGPUB; USPAT; USOCR			11:28
S120	2	("3000645").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/25 15:26
S121	9	("3000645").URPN.	USPAT	OR	ON	2013/07/25 15:27
S122	29	("0122730" "0937625" "1212221" "20070114738" "2836224" "3000645" "4288124" "4779883" "4805938" "4863217" "5312122" "5622375" "5653460" "5704627" "5848797" "6378892" "6530591" "6746079" "6851693" "7226059" "7481439" "7597332" "7677585").PN. OR ("8128103").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/25 15:29
S123	1	("8029007").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/25 15:30
S124	28	("20010033069" "20020135142" "20030025304" "20030127835" "20040164510" "20070090619" "5463853" "5622375" "5625923" "5725238" "5882022" "5909887" "5967190" "6098492" "6422634" "6447001" "6453921" "6530591" "6540238" "6557878" "6698772" "6827356" "6893028" "7159829" "7290776").PN. OR ("8029007").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/25 15:31
S125	1	("6851693").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/25 15:34
S126	14	("3887208" "5064209" "5067738" "5269548" "5421597" "5470088" "5513868" "5785335").PN. OR ("6851693").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/25 15:35
S127	6	("2001/0033069").URPN.	USPAT	OR	ON	2013/07/25 15:36
S128	28	("1876963" "20010033069" "20020089136" "20040075230" "20040173989" "20060261575" "20100201089" "2859975" "3069182" "4190261" "4239248" "4323258" "4336952" "4359231" "5624128" "5931244" "6203053" "6485039" "6517092" "6572130" "6626446" "7073822" "7377527" "7549655" "7699325").PN. OR ("8146926").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/25 15:37
S129	1	("7249779").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2013/07/25 15:38
S130	57	("1218943" "1347384" "1408729" "1560288" "20010035626" "20030151225"	US- PGPUB;	OR	ON	2013/07/25 15:38

		"2305719" "2435733" "2468933" "2798727" "3314494" "3738700" "3954283" "4015297" "4825484" "4958842" "5125674" "5190306" "5558357" "5562300" "5590896" "5692760" "5709400" "5820146" "5884922" "5975551" "6164666" "6231056" "6237995" "6340168" "6409190" "6460866" "6595536" "6601862" "6623023" "6676140" "6688614" "7029015").PN. OR ("7249779").URPN.	USPAT; USOCR			
S131	60	(US-20100052277-\$ or US-20070114738-\$ or US-20070001429-\$ or US-20060290107-\$ or US-20030075903-\$ or US-20080303232-\$ or US-20070085303-\$ or US-20060131841-\$ or US-20060001226-\$ or US-20080224451-\$ or US-20010033069-\$).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-\$ or US-7320471-\$ or US-7032922-\$ or US-7367581-\$ or US-8029007-\$ or US- 7699325-\$ or US-6827356-\$).did. or (US- 3000645-\$ or US-2453631-\$).did.	US- PGPUB; USPAT; USOCR	OR	ON	2013/07/25 16:59
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; FPRS;	OR	ON	2014/01/29 18:39

			EPO; JPO; DERWENT			
S137	5616	S133 or S134	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/01/29 18:41
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
S144	3	("2006/0290107").URPN.	USPAT	OR	ON	2014/01/30 14:24
S145	78	("20030020259" "20030227157" "20060290107" "20070001429" "20070085303" "20070222167" "20070296182" "20080073877" "20080150247" "20090039620" "20100038886" "20100038887" "20100072732" "20100078916" "20100109292" "20100140902" "20100282800" "20120153583" "2769482" "2798733" "2857953" "2993702" "3235279" "3309101" "4542915"	US- PGPUB; USPAT; USOCR	OR	ON	2014/01/30 14:26

		"4725071" "4858947" "5018754" "5167425" "5184835" "5263730" "5333893" "5338096" "5417449" "5653460" "5664795" "5722682" "5911432" "6045145" "6086087" "6209892" "6267406" "6378892" "6497424" "6585284" "6676140" "6702316" "6843498" "6877761" "6935652" "6979017" "7320471" "7451999" "7938433" "8070179" "8157273" "8186705" "8205894" "D311363" "D321850" "D328047" "D359937" "D375706" "D429664" "D430076" "D431212" "D455679" "D587635" "D614540" "D616337" "D616338" "D636300").PN. OR ("8371606").URPN.				
S146	8	("2010/0078916").URPN.	USPAT	OR	ON	2014/01/30 14:27
S147	8	("20070096438" "20100025968" "20100078916" "6422586" "7401803" "7441794" "7632035" "7766366").PN. OR ("8596669").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/01/30 14:27
S148	1	("8157273").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2014/01/30 16:20
S149	18	("0522608" "1707186" "3223431" "3524655" "3997180" "4620686" "4632409" "4836573" "6267406" "6752405" "7364183").PN. OR ("8157273").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/01/30 16:21
S150	1	("5338096").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2014/01/30 16:23
S151	19	("3223431" "3915493" "3917312" "4886209" "5184835").PN. OR ("5338096").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/01/30 16:24
S152	23	("4657269" "4836573" "5184835" "5338096" "5664795" "5911432").PN. OR ("6045145").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/01/30 17:17
S153	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" "D365925" "D402235" "D508443").PN. OR ("7497461").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/01/30 17:56
S154	6	("5653460" "6045145" "6378892").PN. OR	US-	OR	ON	2014/01/30

		("7320471").URPN.	PGPUB; USPAT; USOCR			18:00
S155	23	("20010013689" "20040032103" "20040094923" "20070057486" "20080012268" "20080231022" "20090127827" "20090243260" "20090295128" "4398748" "4836573" "6446990" "6478327" "6572134" "7497461" "7513512" "7658399" "7686322" "7712765" "7775532" "7832755" "7878527" "7938435").PN. OR ("8231136").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/01/31 10:54
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
S158	1	("7938435").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2014/01/31 13:26
S159	34	("4157839" "5558357" "5676386" "5772279" "5794951" "5863061" "5865447" "5876046" "5947555" "6241274" "6286844" "6331032" "6409205" "6428034" "6478327" "6533309" "6666473" "6893040" "7032922" "7267359" "7377537" "7431395" "7475900" "7681894" "7766366").PN. OR ("7938435").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/02/03 12:41
S160	17	("20050098983" "2842374" "6357784" "7118121" "7267359" "7367581" "7441794" "7527283").PN. OR ("7766366").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/02/03 12:56
S161	105	("1727335" "2435733" "2508905" "2509103" "2574743" "2722966" "2805076" "2864429" "3083997" "3116069" "3549164" "3829113" "4108468" "4412689" "4537414" "4570956" "4697845" "4743063" "4750783" "4762331" "4768795" "4786064" "4822064" "4832354" "4834403" "4861105" "4874182" "4915401" "4921261" "5121940" "5133567" "5197753" "5201535" "5203577" "5234224" "5265931" "5364137" "5375869" "5385386" "5499831" "5527096" "5564778" "5567008" "5601297" "5676386" "5707106" "5727798" "5772279" "5865447" "5876046" "5974555").PN. OR ("6286844").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/02/03 13:14
S162	52	("3779655" "4191397" "4216974" "4412688" "4602889" "4634177" "4645371" "4834403" "5028061" "5257799" "5527096" "5772279"	US- PGPUB; USPAT; USOCR	OR	ON	2014/02/03 13:21

		"5865447" "6286844").PN. OR ("6513827").URPN.				
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L42	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	2014/09/24 14:26
L43	1	(seat attach\$4 stroller separate left right connect\$4 remov\$4 frame wheel support\$4).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2014/09/24 14:26
L44	19	(seat attach\$4 stroller left right connect\$4 remov\$4 frame wheel).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2014/09/24 14:26
L45	19	(seat\$3 attach\$4 stroller left right connect\$4 remov\$4 fram\$3 wheel).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2014/09/24 14:29
L46	68	(seat\$3 attach\$4 stroller connect\$4 remov\$4 fram\$3 wheel).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2014/09/24 14:29
L47	5	("20020036391" "20070069505" "20070187914" "4753453" "4779883").PN. OR ("8033554").URPN.	US-PGPUB; USPAT	OR	ON	2014/09/24 14:32
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
S164	0	(seat attachment stroller separate left right	US-	AND	ON	2014/02/04

		attachment portion connector portion removably connecting frame adjacent front wheel seat support element removably connecting seat forward backward position).clm.	PGPUB; USPAT; UPAD			09:35
S165	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
S166	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
S167	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

9/ 24/ 2014 3:10:52 PM
C:\ Users\ jdolak\ Documents\ EAST\ Workspaces\ 14261558_update.wsp

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number	
Filing Date	4/25/2014
First Named Inventor	Mark Zehfuss
Art Unit	
Examiner Name	
Attorney Docket Number	DYN005.CON

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 7,497,461	3/2009	Emerson, Anthony G.	
		US- 7,938,435	05-2011	Sousa et al.	
		US- 2008/0231 022	09-2008	Hu et al.	
		US- 7,766,366	08-2010	Li, Wei-Yeh	
		US- 6,286,844	09-2001	Gone et al.	
		US- 6,513,827	02-2003	Barenbrug, Machiel Gerardus T. M.	
		US- 2006/0131841	06-2006	Huang, Mien Chen	
		US- 2006/0001226	01-2006	Refsum, Bjorn	
		US- 7,320,471	01-2008	Maciejczyk, Wieslaw	
		US- 6,045, 145	04-2000	Lan, Red	
		US- 2008/0224451	09-2008	Vegt, Herman Van der	
		US- 7,481,439	01-2009	Thompson, JulieTabor	
		US- 7,367,581	05-2008	Yang, Cheng-Fan	
		US- 8,029,007	10-2011	Jones et al.	
		US- 6,923,467	08-2005	Hsia, Ben M.	
		US- 2007/0090619	04-2007	Lundh, Joran	
		US- 6,851,693	02-2005	Haeggberg, Christian	
		US- 2001 /0033069	10-2001	Ivers, Donald E.	
		US- 7,249,779	07-2007	Ehrenreich et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	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
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner
Signature

/James Dolak/

Date
Considered

09/24/2014

*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.

This collection of information is required by 37 CFR 1.97 and 1.98. 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 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, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**

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Examiner
Signature

/James Dolak/

Date
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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 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.

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Search Notes 	Application/Control No. 14261558	Applicant(s)/Patent Under Reexamination ZEHFUSS, MARK
	Examiner JAMES M DOLAK	Art Unit 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	9/24/2014	JMD
297	130,232,243,463.1	9/24/2014	JMD

SEARCH NOTES		
Search Notes	Date	Examiner
Class280 Search Assist: SPE J.Allen Shriver	5/10/2012	JMD
Inventor Search	9/24/2014	JMD
Class 297 Search Assist: L.Cranmer	6/27/2012	JMD

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
ALL	See Attached Search History	9/24/2014	JMD

/JAMES M DOLAK/ Examiner.Art Unit 3618	
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BIB DATA SHEET

CONFIRMATION NO. 1014

SERIAL NUMBER 14/261,558	FILING or 371(c) DATE 04/25/2014 RULE	CLASS 280	GROUP ART UNIT 3618	ATTORNEY DOCKET NO. DYN005.CON		
APPLICANTS INVENTORS Mark Zehfuss, Glen Allen, VA; ** CONTINUING DATA ***** This application is a CON of 12/631,375 12/04/2009 ABN which claims benefit of 61/119,920 12/04/2008 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED *** SMALL ENTITY ** 05/09/2014						
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and Acknowledged <u>/JAMES M. DOLAK/</u> Examiner's Signature		<input type="checkbox"/> Met after Allowance Initials	STATE OR COUNTRY VA	SHEETS DRAWINGS 10	TOTAL CLAIMS 30	INDEPENDENT CLAIMS 4
ADDRESS Bernard G. Pike Pike IP Law, PLLC P.O. Box 8592 Richmond, VA 23226						
TITLE Seat Attachment for a Stroller						
FILING FEE RECEIVED 1340	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			<input type="checkbox"/> All Fees		
				<input type="checkbox"/> 1.16 Fees (Filing)		
				<input type="checkbox"/> 1.17 Fees (Processing Ext. of time)		
				<input type="checkbox"/> 1.18 Fees (Issue)		
				<input type="checkbox"/> Other _____		
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/261,558	04/25/2014	Mark Zehfuss	DYN005.CON

CONFIRMATION NO. 1014

BERNARD G. PIKE
PIKE IP LAW, PLLC
P.O. BOX 8592
RICHMOND, VA 23226

PUBLICATION NOTICE



OC000000071832857

Title:Seat Attachment for a Stroller

Publication No.US-2014-0333039-A1

Publication Date:11/13/2014

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.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

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 (Block 1 for any change of address)

7590 10/01/2014
BERNARD G. PIKE
PIKE IP LAW, PLLC
P.O. BOX 8592
RICHMOND, VA 23226

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 Transmittal

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.
14/261,558	04/25/2014	Mark Zehluss	DYN005.COM	1014

TITLE OF INVENTION: Seat Attachment for a Stroller

APPL. 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	01/02/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
DOLAK, JAMES M	3618	280-650000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.303).

- ☐ 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

(B) RESIDENCE (CITY and STATE OR COUNTRY)

Baby Jogger, LLC

Richmond, VA 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
☐ Applicant asserting small entity status. See 37 CFR 1.27
☒ Applicant changing to regular undiscounted fee status.

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.

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.

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 /Bernard G. Pike/

Date December 31, 2014

Typed or printed name Bernard G. Pike

Registration No. 46993

Electronic Patent Application Fee Transmittal				
Application Number:		14261558		
Filing Date:		25-Apr-2014		
Title of Invention:		Seat Attachment for a Stroller		
First Named Inventor/Applicant Name:		Mark Zehfuss		
Filer:		Bernard Pike		
Attorney Docket Number:		DYN005.CON		
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
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	1501	1	960	960

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				960

Electronic Acknowledgement Receipt	
EFS ID:	21101508
Application Number:	14261558
International Application Number:	
Confirmation Number:	1014
Title of Invention:	Seat Attachment for a Stroller
First Named Inventor/Applicant Name:	Mark Zehfuss
Correspondence Address:	BERNARD G. PIKE PIKE IP LAW, PLLC P.O. BOX 8592 - RICHMOND VA 23226 US - mail@pikeiplaw.com
Filer:	Bernard Pike
Filer Authorized By:	
Attorney Docket Number:	DYN005.CON
Receipt Date:	31-DEC-2014
Filing Date:	25-APR-2014
Time Stamp:	15:35:00
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 960

Art Unit: 3618

adjacent a left front wheel and a left seat support element removably connecting a seat in either a forward or backward position; and

a right seat attachment portion, wherein the right seat attachment portion comprises: a connector portion capable of removably connecting to the stroller frame adjacent a right front wheel 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.

Replace Claim 38, with the following:

The seat attachment for a stroller of claim 36, wherein each of the left and right seat attachment portions has a first end and a second end.

Replace Claim 39, line 2 with the following:

directly connecting to the stroller frame.

Claim 40, line 2

Replace Claim 40, with the following:

connected to the seat.

Allowable Subject Matter

4. Claims 13-42 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

Change(s) applied
to document,
/B.G./
11/17/2014

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 2

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Filing Date	4/25/2014
First Named Inventor	Mark Zehfuss
Art Unit	
Examiner Name	
Attorney Docket Number	DYN005.CON

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		US- 2006/0131841	06-2006	Huang, Mien Chen	
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		US- 6,851,693	02-2005	Haeggberg, Christian	
		US- 2001 /0033069	10-2001	Ivers, Donald E.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	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
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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BERNARD G. PIKE
PIKE IP LAW, PLLC
P.O. BOX 8592
RICHMOND, VA 23226

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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 0 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;

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