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In re Application of:	)	
	)	
John Hee LEE, et al.	)	Confirmation No.: **Not yet assigned**
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Application No.: **New Application**	)	Art Unit: **Not yet assigned**
	)	
Filed: **June 16, 2020**	)	Examiner: **Not yet assigned**
	)	
FOR: **REMOVABLE SEAT ATTACHMENT FOR A STROLLER**	)	
	)	

PRELIMINARY AMENDMENT

Via EFS-Web
Mail Stop Amendment
Commissioner for Patents
Alexandria, VA 22313-1450

Dear Examiner:

Prior to the examination of the above referenced application, kindly enter the following amendments, and consider the appended remarks.

Amendments to the Specification begin at page 2 of this paper.

Amendments to the Abstract begin at page 7 of this paper.

Remarks begin on page 8 of this paper.

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as shown below. The amendments are supported by the specification and drawings as filed and do not introduce new matter.

Accordingly, entry of the amendments to the specification is respectfully requested.

On page 1 of the application, after the title and subheading "Description," please add the following paragraph under the header "RELATED APPLICATIONS":

RELATED APPLICATIONS

This application is a continuation of and claims the benefit to United States Application Serial No. 15/912,901, filed March 6, 2018, which is a continuation of 15/225,326, filed August 1, 2016, and issued as U.S. Patent No. 9,944,305, which claims the benefit of U.S. Application No. 62/311,224, and is a continuation-in-part of U.S. Application No. 14/597,420, filed January 15, 2015 and issued as U.S. Patent No. 9,403,550, which is a continuation-in-part of U.S. Application No. 14/261,558, filed April 25, 2014 and issued as U.S. Patent No. 8,955,869, which is a continuation-in-part of U.S. Application No. 12/631,375, which claims the benefit of U.S. Application No. 61/119,920, filed December 4, 2008, the contents of which are all incorporated by reference.

Please amend page 7, paragraph 3 of the specification as follows:

The seat attachment 20 can also include a folding mechanism that includes a sliding connector 25 connected to a first end of a strut 28. A second end of the strut 28 can be 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, the 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, certain example embodiments of the seat attachment 20 can also include a locking mechanism [[27]]29 that is capable of securing the seat attachment 20 to a stroller, such as stroller 10 shown in Figure 1. The locking mechanism 29 can be engaged by moving the sliding connector 25 to the in-use position, in which the wheel support frame [[28]]26 and wheel 23 are extended. In certain example embodiments, the wheel 23 of the seat attachment 20 is pivotally connected to the connector portion 21 and when the wheel 23 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 the stroller 10 may be conveniently used as a single stroller. As designed, the seat attachment 20 may be reconnected to the stroller 10 for use as a double stroller when needed. 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 can include 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, for example. As shown in the example embodiment of Figure 2, the locking mechanism 29 pivots with wheel support frame 26 as the seat 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 24 of the stroller 10 shown in Figure 1. As such, the seat attachment 20 may be attached to the stroller 10 by positioning the attachment portion 21 of the seat attachment 20 in the slot 18 of the attachment portion 17 of the stroller 10. The sliding connector 25 may be moved to the in-use position, the wheel support frame is moved, and the locking mechanism 29 is positioned into the locking slot 19 of the stroller 10.

Please amend page 9, paragraph 1 of the specification as follows:

Figure 3 presents a side elevation view of a combination of the single stroller 10 of Figure 1 attached to the seat attachment 20 of Figure 2 according to one example embodiment of the disclosure. Referring [[not]]to Figure 3, the seat attachment 20 removably coupled to the single stroller 10 to form 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 22 of the seat attachment 20 may be capable of supporting the front stroller seat 13 in either a forward-facing or backward-facing position.

Please amend page 9, paragraph 2 of the specification as follows:

The example embodiment of the stroller 10 in Figure 3 is shown only as an example of one type of stroller, the frame of the stroller 10 may be any of many possible configurations. Example embodiments of the seat attachment accessory may be configured to be used on any such configuration of a stroller. For example, in another example embodiment, 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 include fixed front wheels, an entirely different frame configuration, or a storage basket underneath the seat of the stroller.

Please amend page 14, paragraph 1 of the specification as follows:

In certain examples, each of the removable seat attachment adapters 84 removably couples to the second stroller seat 85 at a vertical height that is substantially below the vertical height that the first stroller seat 86 attaches to the stroller frame 81, thereby positioning the second stroller seat 85 at a vertical position that is substantially below the vertical position of the first stroller seat 86 when both the first stroller seat 86 and the second stroller seat 85 are coupled to the stroller 80. The difference in vertical positioning of the second stroller seat 85 as compared to the first stroller seat 86 provides improved access to the first stroller seat 86 from the front of the stroller 10 when both stroller seats 85, 86 are coupled to the stroller 80. Further, in certain example embodiments, the [[front]]<u>first</u> stroller seat 85 can be positioned substantially over the front wheels 82 so that the stroller 80 remains stable. For example, the second stroller seat 85 can be located substantially over the front wheels 82 and the first stroller seat 86 can be located substantially over the rear wheels 83. In addition, the seats 85, 86 can be positioned such that the center of gravity of the stroller 80 is between the front 82 and rear 83 wheels.

Please amend page 15, paragraph 2 of the specification as follows:

Figures 8C-8H present additional examples of combinations for a variety of types of stroller seats that can be removably coupled to the stroller 80. For example, in Figure 8D, the second stroller seat [[86]]85 can be replaced by an infant carrier 93 that can be removably coupled to each of the at least two removable seat attachment adapters 84 and the first stroller seat 86 can be coupled to the stroller in a forward-facing position. In another example, as shown in Figure 8E, the first stroller seat 86 can be replaced by a child carrier 91 that may be coupled to the frame 81 and positioned in the first seat position and the second stroller seat 85 can be coupled to the stroller 80 by way of the at least two removable seat attachment adapters 84 in a rearward-facing position. In yet another example, as shown in Figure 8F, the child carrier 91, of Figure 8E, can be replaced with a pram 92 that is removably coupled to the stroller 81 in the first seat position. In still another example configuration, as shown in Figure 8G, two child carriers 93 may be removably coupled to the stroller frame 81. For example, the front child carrier can be coupled to the stroller by way of each of the at least two removable seat attachment adapters 84. In another example configuration, one of the child carriers 93 may be replaced with a pram or bassinet 92, as shown in Figure 8H.

Please amend page 22, paragraph 1 of the specification as follows:

Each seat attachment housing 1405, 1410 can include a rotating door 1415 rotatably coupled to the seat attachment housing 1405, 1410. For example, the rotating door 1415 can have a fixed end that is rotatably coupled to the top side of the seat attachment housing 1405, 1410 or an interior wall of the opening 1130 or adapter receiving cavity 1205 by way of <u>one</u> or more hinges 1420. Alternatively, other devices may be used to allow the door 1415 to rotate from a closed configuration 1415a to an open configuration 1415b, as shown in Figure 14C. In certain example embodiments, the door 1415 and/or the rotating mechanism or hinge 1420 that the door 1415 is coupled to can be spring-biased into the closed configuration 1415a through the use of a spring or other biasing means. Spring-biasing the door 1415 into a closed configuration 1415a can help to prevent fluids and other material contaminants from entering the adapter receiving cavity 1205

when the removable seat attachment adapter 84 is not coupled into the adapter receiving cavity 1205.

Please replace the Abstract with the following Replacement Abstract:

ABSTRACT

A stroller is provided with the ability to removably couple and decouple a seat from the stroller as needed. The stroller can include a stroller frame. The stroller can also include one or more front wheels attached to the stroller frame and one or more rear wheels attached to the stroller frame. The stroller can also include a first seat coupled to the stroller frame. The stroller can include first and second seat attachment housings. Each of the seat attachment housings can include a cavity for receiving a corresponding one of the first and second seat attachment adapters. Each of the seat attachment housings can also include a door or cover to prevent access to the respective cavity when not in use. The seat attachment adapters can be coupled to the respective seat attachment housings and a second seat can be coupled to the seat attachment adapters.

REMARKS

The specification has been amended herein to include the Related Applications section of the Specification. Inadvertent typographical errors in the Specification are corrected in the Amendments to the Specification. It is respectfully submitted that no new matter has been added.

The Director is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. § 1.16-1.17, or credit any overpayment to Deposit Account No. 19-5029.

Respectfully submitted,

/Christopher J. Chan/
Christopher J. Chan
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Date: **June 16, 2020**

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REMOVABLE SEAT ATTACHMENT FOR A STROLLER

RELATED APPLICATIONS

This application is a continuation of and claims priority under 35 U.S.C. §120 to U.S. Patent Application No. 15/225,326, filed August 1, 2016, and titled "Removable Seat Attachment for a Stroller," which claims priority under 35 U.S.C. §119 to U.S. Provisional Patent Application No. 62/311,224 filed March 21, 2016, and titled "Removable Seat Attachment for a Stroller," the entire contents of which are hereby incorporated herein by reference for all purposes. This application also claims priority under 35 U.S.C. §120 to U.S. Patent Application No. 15/225,326, which is a continuation-in-part of and claims priority under 35 U.S.C. §120 to U.S. Patent Application No. 14/597,420 (now U.S. Patent No. 9,403,550), filed on January 15, 2015, which claims priority to U.S. Patent Application No. 14/261,558 (now U.S. Patent No. 8,955,869) filed on April 25, 2014, which claims priority to U.S. Patent Application No. 12/631,375 filed on December 4, 2009, which claims priority to U.S. Provisional Patent Application No. 61/119,920 filed on December 4, 2008, the entire contents of each of which are incorporated herein by reference for all purposes.

TECHNICAL FIELD

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

BACKGROUND

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

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

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

BRIEF DESCRIPTION OF THE EXAMPLE DRAWINGS

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

Figure 1 presents a side elevation view of a single stroller apparatus according to one example embodiment of the disclosure.

Figure 2 presents a partial side elevation view of a seat attachment to convert a single stroller into a double stroller according to one example embodiment of the disclosure.

Figure 3 presents a side elevation view of a combination of the single stroller of Figure 1 attached to the seat attachment of Figure 2 according to one example embodiment of the disclosure.

Figure 4 presents a perspective view of a seat attachment capable of supporting a car seat on an attachment of Figure 2 according to one example embodiment of the disclosure.

Figure 5 presents a side elevation view of a combination of the single stroller of Figure 1

attached to an attachment in the form of a tricycle-like riding device according to one example embodiment of the disclosure.

Figure 6A presents a view of an accessory attachment for supporting an accessory on a stroller, while Figure 6B presents a view of a bag or purse for attaching to the accessory attachment of Figure 6A according to one example embodiment of the disclosure.

Figure 7 presents a perspective view of an attachment for supporting a seat comprising one wheel according to one example embodiment of the disclosure.

Figures 8A-H present multiple views of a stroller apparatus capable of being converted from a single seat stroller to a double seat stroller through the use of removable seat attachment adapters according to one example embodiment of the disclosure.

Figure 9 presents a perspective view of one version of a stroller with left and right attachment frame members for attaching a second seat according to one example embodiment of the disclosure.

Figure 10 presents a front elevation view of an attachment frame member according to one example embodiment of the disclosure.

Figure 11 is a partial perspective view of the stroller showing the seat attachment housing according to one example embodiment of the disclosure.

Figure 12 is a partial perspective view of the seat attachment housing according to one example embodiment of the disclosure.

Figures 13A-C are partial perspective views of the removable seat attachment adapter removably coupled to the seat attachment housing according to one example embodiment of the disclosure.

Figures 14A-C are partial perspective views of an alternative embodiment of the seat attachment housing according to another example embodiment of the disclosure.

DETAILED DESCRIPTION OF THE EXAMPLE EMBODIMENTS

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

scope of the invention to those skilled in the art. Like numbers refer to like, but not necessarily the same, elements throughout.

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

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

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

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

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 can include at least one connector portion capable of connecting to a stroller frame and a seat support element capable of supporting a seat.

Figure 1 presents a side elevation view of a single stroller apparatus 10 according to one example embodiment of the disclosure. Referring to Figure 1, it 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 example single stroller 10 includes a frame 12 that supports a seat 13. The frame 12 may optionally include at least one, and in certain embodiments preferably two, folding mechanisms 16 that allow the stroller 10 to be folded to a more convenient size for storing or transporting the stroller 10.

In the example embodiment of Figure 1, 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 of being connected and disconnected by the user of the stroller 10 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. The frame 12 is supported on a pair of back wheels 14 and a pair of front wheels 15.

In this example embodiment, the back wheels 14 are fixed and do not swivel or pivot on the frame 12 while the pair of front wheels 15 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 and considered as an option as part of this disclosure. In certain example embodiments, the single stroller 10 does not require pairs of front 15 or rear 14 wheels and either the front pair of wheels 15 or the back pair of wheels 14 may be substituted with a single wheel. In certain example embodiments, the single stroller 10, including umbrella strollers, jogging strollers, all-terrain strollers, as well as other strollers may only include one front wheel 15.

The example single stroller 10 may also include one or more seat attachments that are capable of converting any style of single stroller to a double stroller, including strollers with one or two front wheels. In one example embodiment, the stroller 10 can include two attachment portions 17. In one example, the attachment portions 17 can be positioned on or near the front of the stroller 10 to allow the seat attachment and the seat to be connected to the front portion of the stroller 10. The attachment portions 17 can 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. While only one seat attachment is shown in Figure 3, the stroller 10 could typically include two seat attachments as shown in Figure 3 or one seat attachment that can include two seat support elements. In certain example embodiments, the stroller 10 can include a left side and a right side attachment portion 17. The seat attachment for the stroller 10 can further include 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. As such, example embodiments of the seat attachment may therefore be used to convert a double stroller into a triple stroller, if desired.

Figure 2 presents a partial side elevation view of a seat attachment to convert a single stroller into a double stroller according to one example embodiment of the disclosure. Now referring to Figures 1 and 2, the example seat attachment 20 is shown in an unlocked and folded configuration. The seat attachment 20 includes a one or more 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 example embodiment, the connector portions 21 are

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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. In other example embodiments, the seat attachment 20 may include more than one wheel 23, one connector portion 21, one seat support element, or combinations of these elements. In example embodiments of the stroller with one wheel, the attachment frame member may be on the forks of the front wheel, for example.

The seat attachment 20 can include 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 can be connected to the seat support element 22. As shown in Figure 2, the seat attachment 20 can include 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 20 to be folded and conveniently stored or transported but is not necessary for all example embodiments of the disclosure. The pivotal connection 27 can be optional and provide more convenience, however, other example embodiments of the seat attachment 20 can include 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 where a stronger seat attachment may be desired, such as with all-terrain or jogging strollers, for example. The wheel support frame 26 may be connected at any point on the attachment frame 24. In certain example embodiments the wheel support frame 26 is connected to the attachment frame 24 near the connector portion 21 or near the middle of the attachment frame 24.

In certain example embodiments, the seat attachment without a wheel may include connector portion 21 or attachment frame member 24, and seat attachment member 22, for example. In this example embodiment, there may be no need for the pivotal connection 27, wheel support frame 26, sliding connector 25, or wheel 23.

The seat attachment 20 can also include a folding mechanism that includes a sliding connector 25 connected to a first end of a strut 28. A second end of the strut 28 can be 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, the 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, certain example embodiments of the seat attachment 20 can also include 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 can be 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 certain example embodiments, the wheel 23 of the seat attachment 20 is pivotally connected to the connector portion 21 and when the wheel 23 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 the stroller 10 may be conveniently used as a single stroller. As designed, the seat attachment 20 may be reconnected to the stroller 10 for use as a double stroller when needed. 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 can include 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, for example. As shown in the example embodiment of Figure 2, the locking mechanism 29 pivots with wheel support frame 26 as the seat 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 24 of the stroller 10 shown in Figure 1. As such, the seat attachment 20 may be attached to the stroller 10 by positioning the attachment portion 21 of the seat attachment 20 in the slot 18 of the attachment portion 17 of the stroller 10. The sliding connector 25 may be moved to the in-use position, the wheel support frame is moved, and the locking mechanism 29 is positioned into the locking slot 19 of the stroller 10.

In certain example embodiments, the connector portion 21 of the seat attachment 20 has a cylindrical or substantially cylindrical shape. The connector portion 21 may be inserted into a cylindrical or substantially cylindrical slot 18 of the attachment portion 17 of the stroller 10 of Figure 1 to secure the seat attachment and convert the single stroller into a double stroller, as shown in Figure 3. In other example embodiments, the seat attachment 20 may include any type of connector portion having any geometric or non-geometric shape. The connector portion 21

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 10 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 24 of the stroller 10 can have a complimentary and/or cooperating shape that allows the connector portion 21 to be secured to the attachment portion of the stroller.

Figure 3 presents a side elevation view of a combination of the single stroller 10 of Figure 1 attached to the seat attachment 20 of Figure 2 according to one example embodiment of the disclosure. Referring not to Figure 3, the seat attachment 20 removably coupled to the single stroller 10 to form 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 22 of the seat attachment 20 may be capable of supporting the front stroller seat 13 in either a forward-facing or backward-facing position.

The example embodiment of the stroller 10 in Figure 3 is shown only as an example of one type of stroller, the frame of the stroller 10 may be any of many possible configurations. Example embodiments of the seat attachment accessory may be configured to be used on any such configuration of a stroller. For example, in another example embodiment, 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 include fixed front wheels, an entirely different frame configuration, or a storage basket underneath the seat of the stroller.

The seat support member may be any configuration capable of supporting the seat on the seat attachment 20. Figure 4 presents another example embodiment of a seat support member 40 for use with a car seat or other baby seat according to one example embodiment of the disclosure. Now referring to Figure 4, the seat support member 40 can include a main support 41. The main support 41 can include a cradle for supporting a central portion of the seat. Another portion of the seat may rest against support bar 42. In this example, the support bar 42 may be adjusted to accommodate seats of different shapes and sizes. The support bar 42 may be slid within the aperture 43 and locked in place when the support bar 42 is in the desired position to

support a certain seat. The seat is, therefore, supported on two main supports 41 and the 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.

Figure 5 presents a side elevation view of a combination 50 of the single stroller 10 of Figure 1 attached to an attachment in the form of a tricycle-like riding device according to one example embodiment of the disclosure. Referring to Figure 5, the combination 50 includes the stroller 10 and the seat attachment 51. In one example, the seat attachment 51 is a tricycle-like attachment that includes a connector portion 52, a frame 53 with a seat support element 56, a seat 57, and a 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 51 may be other shapes also such as cars, trucks, or animal shapes, for example.

In certain example embodiments, the stroller 10 can include an additional accessory attachment portion 58. The accessory attachment portion 58 attaches to a frame member of the 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 the stroller 10.

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 baskets. 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 accessory attachment 58 may be attached to the frame of the stroller 10 by any of the clamping or attachment methods described above, for example. Preferably, the accessory attachment 58 is attached near the center of gravity of the stroller 10 to avoid creating an unbalanced condition of the stroller 10. As shown in Figure 6A, the accessory attachment 58 is connected to stroller frame 12 of stroller 10 near the folding

mechanism. Certain example embodiments of the accessory attachment 58 include a first end 61 for connecting to a stroller frame and a distal second end 62 for releasably connecting to the accessory 64. The first end 61 can include an aperture 64 that may be connected to frame 12 of the stroller 10. In certain example embodiments, the aperture 64 is on an angle, such that when the axis of the accessory attachment portion 58 is horizontal or substantially horizontal. The accessory attachment 58 may, optionally, include a rib 63 for securing the accessory 64 to the accessory attachment 58. The rib 63 may be replaced with any other locking element or securing means including a friction fitting, a screwed fitting, or interference fitting, for example.

One example of an accessory 64 for attaching to an accessory attachment 58 is shown in Figure 6B. The accessory 64 in this example is a bag or purse. The accessory 64 can include an attachment portion 65 that is capable of being secured to the attachment portion 62 on the accessory attachment 58. The accessory 64 may be secured on stroller 10 by securing attachment portion 65 to attachment portion 62. The attachment portion 65 can slide over the cylindrical attachment portion 62 of accessory attachment 58. The attachment portion 65 may include an interior annular recess that receives the rib 63 securing the accessory 58 to the stroller 10. The accessory 64 is thus removably coupled 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.

Figure 7 presents a perspective view of an attachment 70 for supporting a seat comprising one wheel 73 according to one example embodiment of the disclosure. Referring now to Figure 7, the example seat attachment 70 can include two seat attachment members 71, two connector portions 72, and a wheel 73. The two seat attachment members 71 and the wheel 73 can be disposed or otherwise positioned in a triangular relationship. In certain example embodiments, the wheel 73 provides additional stability to a stroller 10 connected to the seat attachment 70 if a heavier child is placed in a seat attached to the seat attachment members 71.

Figures 8A-H present multiple views of a stroller apparatus capable of being converted from a single seat stroller to a double seat stroller through the use of removable seat attachment adapters, according to another example embodiment of the disclosure. Referring now to Figures 8A-H, the example stroller apparatus 80 can include a stroller frame 81 capable of supporting one or more stroller seats 85, 86. In one example embodiment, the stroller frame 81 can made of one or more pieces fixedly coupled and/or removably coupled to one another. The stroller frame

81 can include portions that are hollow tubing and other portions that are solid core tubing and can be made from metal, plastic, or other materials known in the art.

In one example embodiment, the stroller frame 81 can include a pair of front wheel support frames 81a (only the left front wheel support frame is shown), a pair of back wheel support frames 81b (only the left back wheel support frame is shown), a pair of upper tube support frames 81c (only the left upper tube support frame is shown), a handle portion 81d having a first end coupled to the left upper tube support frame 81c and a distal second end coupled to the right upper tube support frame 81c, and foot rest support frame 81f having a first end coupled to the left front wheel support frame 81a (either directly or via the first seat attachment housing 1105 discussed below in Figure 11) and a distal second end coupled to the right front wheel support frame 81a (either directly of via the second seat attachment housing 1110 discussed below in Figure 11). In certain example embodiments, each front wheel support frame 81a can be fixedly coupled or rotatably coupled to its corresponding upper tube support frame 81c. Further, in certain example embodiments, the left upper tube support frame 81c, handle 81d, and right upper tube support frame 81c can be made from a single unitary piece of material, such as a single piece of bent, hollow-core metal or plastic tubing. Alternatively, each of the left upper tube support frame 81c, handle 81d, and right upper tube support frame 81c can be separate pieces of the same or different material that are coupled to one another.

The exemplary stroller frame 81 can also include a pair of folding mechanisms 81e (only the left folding mechanism is shown). In one example, each folding mechanism 81e can be coupled, either directly or indirectly to the corresponding front wheel support frame 81a, back wheel support frame 81b, and upper tube support frame 81c on the corresponding side (left and right) of the stroller 80. In certain example embodiments, one or more of the corresponding front wheel support frame 81a, back wheel support frame 81b, and upper tube support frame 81c are rotatably coupled and rotatably adjustable about one or more axes defined through the folding mechanism 81e. As such, in certain example embodiments, the folding mechanism 81e allows the stroller 80 to be folded into a more compact size for storing or transportation. Figure 8B shows the stroller 10 in a folded configuration.

The example stroller 80 can also include at least one front wheel 82 coupled directly or indirectly (*e.g.*, via one of the seat attachment housings 1105, 1110, as shown in Figure 11) to the stroller frame 81. Figure 8B presents an example embodiment wherein the stroller 80 can

include two front wheels 82, one front wheel 82 being coupled to the stroller 80 adjacent the left front wheel support frame 81a and the second front wheel 82 being coupled to the stroller 80 adjacent the right front wheel support frame 81a. The example stroller 80 can also include at least one rear wheel 83 coupled directly or indirectly to the stroller frame 81 (*e.g.*, a corresponding back wheel support frame 81b). Figure 8B presents an example embodiment wherein the stroller 80 can include two back wheels 83, one back wheel 83 being coupled to the left back wheel support frame 81b and the second back wheel 83 coupled to the right back wheel support frame 81b.

The stroller 80 can also include a first stroller seat 86 either fixedly or removably coupled to the stroller frame 81. For example, the first stroller seat 86 can include a left connector on the left side of the first stroller seat 86 and a right connector on the right side of the first stroller seat 86 to removably couple and decouple the first stroller seat from the stroller frame 81. In one example, each of the left connector and right connector can be cavities in the first stroller seat 86 and can be configured to receive at least a portion of a corresponding seat attachment adapter (*e.g.*, a bayonet connector) therein. In another example embodiment, the left connector and the right connector can each be tabs or slots that are configured to be coupled to corresponding slots or tabs along the stroller frame 81.

The stroller 80 can also include a removable seat attachment adapter 84 that is removably coupled to the frame 81 such that the seat attachment adapter 84 can be decoupled from the frame 81 and stored when a second stroller seat is not being used with the stroller 80. In one example embodiment, each removable seat attachment adapters can be coupled to the frame by coupling the adapter 84 into a seat attachment housing disposed along the frame 81. In one example, the seat attachment housing (such as that described in Figures 11-14C below) can be integrally formed with all or a portion of the stroller frame (*e.g.*, integrally formed with front wheel support frame 81a). Alternatively, the seat attachment housing can be a separate apparatus that is coupled to the frame 81 or incorporated into the frame 81 by coupling multiple pieces of the frame 81 together. The frame 81 and each seat attachment housing can be made from the same or different materials, including, metals and plastics.

Though it cannot be seen in the side view of Figure 8A, a typical embodiment of the stroller 80 will include at least two removable seat attachment adapters 84 (at least one along each left and right side of the stroller 80 along the stroller frame 81). For example, at least one

removable seat attachment adapter can support each lateral side of the second stroller seat 85. In certain example embodiments, each of the removable seat attachment adapters 84 may be made up of one piece or multiple parts. The removable seat attachment adapters 84 may be of any design capable of securely supporting a seat on the stroller. In one example, the removable seat attachment adapter 84 is configured to have a first end that removably coupled to the frame 81 and/or seat attachment housing and a distal second end that is configured to be removably coupled to a second stroller seat 85. The removable seat attachment adapter 84 is designed to be capable of supporting the second stroller seat 85 in front of the first stroller seat 86. The stroller 80 may also include a storage basket 87.

In certain examples, each of the removable seat attachment adapters 84 removably couples to the second stroller seat 85 at a vertical height that is substantially below the vertical height that the first stroller seat 86 attaches to the stroller frame 81, thereby positioning the second stroller seat 85 at a vertical position that is substantially below the vertical position of the first stroller seat 86 when both the first stroller seat 86 and the second stroller seat 85 are coupled to the stroller 80. The difference in vertical positioning of the second stroller seat 85 as compared to the first stroller seat 86 provides improved access to the first stroller seat 86 from the front of the stroller 10 when both stroller seats 85, 86 are coupled to the stroller 80. Further, in certain example embodiments, the front stroller seat 85 can be positioned substantially over the front wheels 82 so that the stroller 80 remains stable. For example, the second stroller seat 85 can be located substantially over the front wheels 82 and the first stroller seat 86 can be located substantially over the rear wheels 83. In addition, the seats 85, 86 can be positioned such that the center of gravity of the stroller 80 is between the front 82 and rear 83 wheels.

In certain example embodiments, the removable seat attachment adapter 84 is capable of supporting a second stroller seat 85 such that a child in the second stroller seat 85 is substantially above the frame 81 of the stroller 80 that is substantially adjacent to the connection point of the second stroller seat 85. This positioning of the second stroller seat 85 with respect to the frame 81 provides easier access to the second stroller seat 85, does not block access to the storage basket 87, allows more versatile configurations of the seats 85, 86, allows more variety of seats 85, 86 to be attached to the frame 81, and allows the parent or guardian to more easily monitor and see the child in each stroller seat 85, 86.

The example stroller of Figure 8A can also include the first stroller seat 86. In certain example embodiments, the first stroller seat 86 can be located generally closer to the handle portion 81d than to the front wheels 82. The first stroller seat 86 may be fixedly coupled or removably coupled to the frame 81. In certain example embodiments wherein the first stroller seat 86 is removably coupled to frame 81, the first stroller seat 86 may be adjustable from a forward-facing configuration to a rearward-facing configuration and vice-versa, as shown, for example, in Figures 8B-8C. In addition, the second stroller seat 85, when coupled to the corresponding removable seat attachment adapters 84, can be adjustable from a forward-facing configuration to a rearward-facing configuration and vice-versa.

Figures 8C-8H present additional examples of combinations for a variety of types of stroller seats that can be removably coupled to the stroller 80. For example, in Figure 8D, the second stroller seat 86 can be replaced by an infant carrier 93 that can be removably coupled to each of the at least two removable seat attachment adapters 84 and the first stroller seat 86 can be coupled to the stroller in a forward-facing position. In another example, as shown in Figure 8E, the first stroller seat 86 can be replaced by a child carrier 91 that may be coupled to the frame 81 and positioned in the first seat position and the second stroller seat 85 can be coupled to the stroller 80 by way of the at least two removable seat attachment adapters 84 in a rearward-facing position. In yet another example, as shown in Figure 8F, the child carrier 91, of Figure 8E, can be replaced with a pram 92 that is removably coupled to the stroller 81 in the first seat position. In still another example configuration, as shown in Figure 8G, two child carriers 93 may be removably coupled to the stroller frame 81. For example, the front child carrier can be coupled to the stroller by way of each of the at least two removable seat attachment adapters 84. In another example configuration, one of the child carriers 93 may be replaced with a pram or bassinet 92, as shown in Figure 8H.

In certain example embodiments, the stroller 80 may also include a second set of removable seat attachment adapters 89 removably coupled to the frame 81 (or another pair of seat attachment housings substantially similar to those 1105, 1110 described below) along the upper tube support frame 81c. The second set of removable seat attachment adapters 89 may be substantially the same as or exactly the same as the removable seat attachment adapters 84 described herein and may be coupled to the frame 81 (or corresponding seat attachment housings) in substantially the same manner as the removable seat attachment adapters 84, as

discussed in more detail below. The second set of removable seat attachment adapters 89 can include at least two adapters (at least one along each left and right side of the stroller 80) for removably coupling and decoupling the first stroller seat 86 or any other form of seat described herein to the stroller frame 81 or corresponding seat attachment housing.

In one example embodiment, as shown in Figures 9-10, the stroller 80 can include one or more, and preferably two, seat support elements 84. The seat support element 84 is connected to and can be removably coupled to the stroller 80 front wheel support frame 81a. In certain example embodiments, the seat support element 84 is adjacent to the front wheel support portion 81a of frame 81. Alternatively, the seat support element 84 is simply forward of and positioned at a vertical level lower than the attachment point for the first stroller seat 86 (Figure 8A) on the stroller 80. The seat support element 84 is capable of supporting a second stroller seat 85 in front of the stroller seat 86 (see Figure 8A). This provides convenience and versatility to a user of the stroller 80. Seat support element 84 may be fixedly attached or removably attached to front wheel support portion 81a. In certain example embodiments, the front seat 85 may be positioned substantially over the front wheels 15 so the stroller 80 remains stable. Preferably, the seats 85, 86 should be positioned such that the center of gravity of the stroller 80 is between the front 15 and rear 14 wheels. If not an additional wheel may be placed on the attachment as previously described. The seat support element 84 can further include a seat connector 88. In one example, the seat connector 88 can be disposed along a top end of the seat support element 84. The example 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 88, 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. As shown in Figure 9, the seat support element 84 can also include a connector portion 21. The connector portion 21 is capable of connecting the seat attachment to the frame 81 via the attachment portion 17 and the slot 18.

In certain example embodiments, the connector portion 21 of the seat attachment 20 has a cylindrical or substantially cylindrical shape. The connector portion 21 may be inserted into a cylindrical or substantially cylindrical slot 18 of the attachment portion 17 of the stroller 80 of Figure 9-10 to secure the seat attachment and convert the single stroller into a double stroller, as shown in Figure 8A. The connector portion 21 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.

Figure 11 is a partial perspective view of the stroller 80 showing a seat attachment housing 1105 according to one example embodiment of the disclosure. Referring now to Figures 8A and 11, the example stroller 80 can include a first seat attachment housing 1105 and the second seat attachment housing 1110. The first seat attachment housing 1105 can include a first end 1105a having a cavity for slidably receiving and fixedly or slidably coupling the first end 1105a to a first end of the left front wheel support frame 81a. For example, the left front wheel support frame 81a can have a substantially circular or oval cross-section and the cavity of the first end 1105a can have a corresponding circular or oval cross-section to slidably receive a portion of the left front wheel support frame 81a into the cavity. In one example, the left front wheel support frame 81a can be held in the cavity of the first end 1105a by a press fit hold. Alternatively, a spring-loaded button on the left front wheel support frame 81a can be positioned into a corresponding opening along one of the sides of the first seat attachment housing 1105.

The first seat attachment housing 1105 can also include a second end 1105b that includes a second cavity for coupling one of the front wheels 82 to the first seat attachment housing 1105. The wheel 82 may be removably coupled to the second end 1105b of the first seat attachment housing 1105 by a press fit hold. Alternatively, a spring-loaded button 82a on the front wheel apparatus 82 can be positioned into the cavity of the second end 1105b and positioned into a corresponding opening 1115 along one of the sides of the first seat attachment housing 1105. In one example embodiment, the first seat attachment housing 1105 can include an attachment arm 1120 extending off of one side of the first seat attachment housing 1105 in a generally orthogonal direction to the longitudinal axis of the housing 1105. The attachment arm 1120 can include a free end 1105c that includes a cavity for receiving therein and fixedly coupling or slidably coupling the first seat attachment housing 1105 to a first end of the foot rest support frame 81f. The foot rest support frame 81f may be removably coupled to the free end 1105c of the attachment arm 1120 by a press fit hold. Alternatively, a spring-loaded button on the foot rest support frame 81f can be positioned into the cavity of the free end 1105c and positioned into a corresponding opening along one of the sides of the attachment arm 1120.

The second seat attachment housing 1110 can include a first end 1110a having a cavity for slidably receiving and fixedly or slidably coupling the first end 1110a to a first end of the right front wheel support frame 81a. For example, the right front wheel support frame 81a can

have a substantially circular or oval cross-section and the cavity of the first end 1110a can have a corresponding circular or oval cross-section to slidably receive a portion of the right front wheel support frame 81a into the cavity. In one example, the right front wheel support frame 81a can be held in the cavity of the first end 1110a by a press fit hold. Alternatively, a spring-loaded button on the right front wheel support frame 81a can be positioned into a corresponding opening along one of the sides of the second seat attachment housing 1110.

The second seat attachment housing 1110 can also include a second end 1110b that includes a second cavity for coupling one of the front wheels 82 to the second seat attachment housing 1110. The wheel 82 may be removably coupled to the second end 1110b of the second seat attachment housing 1110 by a press fit hold. Alternatively, a spring-loaded button on the front wheel apparatus 82 can be positioned into the cavity of the second end 1110b and positioned into a corresponding opening along one of the sides of the second seat attachment housing 1110. In one example embodiment, the second seat attachment housing 1110 can include an attachment arm 1125 extending off of one side of the second seat attachment housing 1110 in a generally orthogonal direction to the longitudinal axis of the housing 1110. The attachment arm 1125 can include a free end 1110c that includes a cavity for receiving therein and fixedly coupling or slidably coupling the second seat attachment housing 1110 to a second distal end of the foot rest support frame 81f. The second end of the foot rest support frame 81f may be removably coupled to the free end 1110c of the attachment arm 1125 by a press fit hold. Alternatively, a spring-loaded button on the foot rest support frame 81f can be positioned into the cavity of the free end 1110c and positioned into a corresponding opening along one of the sides of the attachment arm 1125.

In certain example embodiments, all or a portion of each of the seat attachment housings 1105, 1110 can be hollowed out with exterior sides. Each of the seat attachment housings 1105, 1110 can include an opening 1130 positioned along a top side of the respective seat attachment housings 1105, 1110. The opening 1130 can provide access to an adapter receiving cavity (see Figure 12) for receiving therein at least a portion of the removable seat attachment adapter 84 (see Figure 13A). Each seat attachment housing 1105, 1110 can also include a sliding door 1135. The sliding door 1135 is configured to be manually adjustable from a closed position to an open position by slidably opening the door 1135 along the top side of the seat attachment housing 1105, 1110 to provide access to the opening 1130 and adapter receiving cavity when the

parent or guardian wants to insert and couple the removable seat attachment adapter 84 to the seat attachment housing 1105, 1110 and frame 81 in order to couple the second stroller seat 85 to the stroller 80. In one example, each seat attachment housing 1105, 1110 can include one or more rails either disposed above or below a top surface of the seat attachment housing 1105, 1110 that provide a guide way for slidably opening and closing the door 1135. In one example, the door 1135 can include a tab 1140 extending upward from a top surface of the door 1135 to provide a gripping area to grip the door 1135 and slide it open and closed. For example, a parent or guardian can use a finger against the tab 1140 and apply pressure against the tab 1140 to open the door 1135 from a closed configuration to an open configuration.

The sliding door 1135 is also configured to be manually adjustable from an open configuration to a closed configuration by slidably closing the door 1135 along the top side of the seat attachment housing 1105, 1110 to prevent access to the opening 1130 and adapter receiving cavity when the second stroller seat 85 is not in use. In one example, the parent or guardian can press a finger against the tab 1140 and apply pressure against the tab 1140 to slide the door 1135 from the open configuration to the closed configuration.

Figure 12 is a partial perspective view of one of the seat attachment housings 1105, 1110 according to one example embodiment of the disclosure. Referring now to Figures 8A, 11, and 12, the door 1130 of the seat attachment housing 1105, 1110 is shown having been slid into the open configuration exposing the opening 1130 and the adapter receiving cavity 1205. The adapter receiving cavity 1205 can have any size and shape for removably coupling a portion of a removable seat attachment adapter 84 therein. In one example embodiment, all or a portion of the cross-sectional shape of the adapter receiving cavity 1205 can be keyed or have a keyed shape 1210 and all or a portion of the removable seat attachment adapter 84 can have a corresponding outer perimeter shape such that the removable seat attachment adapter 84 can only be inserted into the adapter receiving cavity 1205 in one, proper orientation.

Figures 13A-C are partial perspective views of the removable seat attachment adapter 84 coupled to the seat attachment housing 1105 according to one example embodiment of the disclosure. Now referring to Figures 8A, 11, 12, and 13A-C, once the door 1135 has been moved into the open configuration exposing the opening 1130 and the adapter receiving cavity 1205, a first end 84a of the removable seat attachment adapter 84 can be inserted into the adapter receiving cavity 1205. In certain example embodiments, the adapter receiving cavity 1205 can

include one or more stop flanges 1315, 1320 that extend out from an inner surface of the cavity 1205 and into the cavity area to abut against a bottom side of the first end 84a of the removable seat attachment adapter 84 when the adapter 84 has penetrated a sufficient amount into the adapter receiving cavity 1205. Once the adapter 84 is inserted into the cavity 1205 and removably coupled to the seat attachment housing 1105, a stroller seat can be removable coupled to a seat connector disposed on or adjacent to the second end 84b of the removable seat attachment adapter 84. The seat connector on the second end 84b can be a multipurpose general connector that allows different seats to be interchangeably connected to the removable seat attachment adapter 84. Any style seat may be configured to connect to the seat connector including, but not limited to, a stroller seat, a baby seat, a bassinet, a pram, a baby carrier, or a car seat, for example.

The removable seat attachment adapter 84 can also include a stop collar 1335 disposed a predetermined distance up from the first end 84a of the adapter 84. In one example embodiment, the stop collar 1335 is sized and shaped so that it will not fit into the opening 1330 and will not fit into the adapter receiving cavity 1205 as the first end 84a of the adapter 84 is being inserted into the adapter receiving cavity 1205. The size and shape of the outer surface of the stop collar 1335, being greater than that of the outer surface of the previous portion of the first end 84a inserted into the adapter receiving cavity 1205 will contact and abut an outer surface of the seat attachment housing 1105 when the adapter 84 has penetrated a sufficient amount into the adapter receiving cavity 1205.

The removable seat attachment adapter 84 can also include a spring-loaded latching tab 1305 disposed along one side of the adapter 84 between the first end 84a and the stop collar 1335. In certain example embodiments, the spring-loaded latching tab 1305 can be spring biased into an extended position (as shown in Figure 13B) via, for example, a spring (not shown). As the adapter 84 is first being inserted into the adapter receiving cavity 1205, the width of the adapter 84 at the point of the spring-loaded latching tab 1305, is greater than the width of the cavity 1305, which causes one or more side walls of the cavity 1205 to apply a force to the spring-loaded latching tab 1305 and push it inward from the extended position towards a retracted position, thereby allowing the first end 84a of the adapter 84 to continue moving into the adapter receiving cavity 1205. When the adapter 84 is inserted into the adapter receiving cavity 1205 a sufficient distance (which can be configurable based on the design specifics on the

stroller), the spring-loaded latching tab 1305 can be positioned adjacent a tab receiver 1307. The tab receiver 1307 can be a cut-out or opening along one of the side walls of the cavity 1205 that allows the tab 1305 to move back to the extended position. The tab receiver 1307 can include a tab retainer surface 1310 that abuts a top side of the tab 1305 and prevents the removable seat attachment adapter 84 from being removed from the adapter receiving cavity 1205 while the spring-loaded latch tab 1305 is in the extended position.

The removable seat attachment adapter 84 can also include a tab release button 1330 that is operatively coupled to and configured to move the spring-loaded latching tab 1305 from the extended position to the retracted position via, for example, a guide wire 1325 or other attachment mechanism. For example, when the removable seat attachment adapter 84 is latched into the seat attachment housing 1105, a parent or guardian can grab the removable seat attachment adapter 84 and depress the tab release button 1330, causing the guide wire to pull the spring-loaded latching tab 1305 inward from the extended position to the retracted position with a force greater than the spring biasing force on the tab 1305 and allowing the parent or guardian to remove the removable seat attachment adapter 84 from the adapter receiving cavity 1205 using only a single hand. Thereby, the ease of decoupling the removable seat attachment adapter 84 from the stroller frame 81 is improved.

In addition, as shown in Figure 13B, in certain example embodiments, the bottom end of the adapter receiving cavity 1205 and corresponding bottom end of the seat attachment housing 1105 can be open 1340 to the environment. Leaving the bottom side of the cavity 1205 open 1340 to the environment helps to prevent liquid and material build-up in the cavity 1205 when the removable seat attachment adapter 84 is not coupled into the cavity 1205 by allowing the liquid and materials to pass through the cavity 1205 and out of the bottom of the seat attachment housing 1105. This is especially beneficial when the parent or guardian removes the removable seat attachment adapter 84 from the cavity 1205 but does slide the door 1135 into the closed position to close up the opening 1130.

Figures 14A-C are partial perspective views of an alternative embodiment of the seat attachment housing 1405, 1410 according to another example embodiment of the disclosure. Referring now to Figures 8A, 11, and 14A-C, the seat attachment housings 1405, 1410 are substantially the same as the seat attachment housings 1105, 1110 described in Figures 11-13C except for as described below. Therefore, the description of the seat attachment housings 1105,

1110 in Figures 11-13C above is incorporated herein for the alternative seat attachment housings 1405, 1410, except with regard to the distinctions described below.

Each seat attachment housing 1405, 1410 can include a rotating door 1415 rotatably coupled to the seat attachment housing 1405, 1410. For example, the rotating door 1415 can have a fixed end that is rotatably coupled to the top side of the seat attachment housing 1405, 1410 or an interior wall of the opening 1130 or adapter receiving cavity 1205 by way of or more hinges 1420. Alternatively, other devices may be used to allow the door 1415 to rotate from a closed configuration 1415a to an open configuration 1415b, as shown in Figure 14C. In certain example embodiments, the door 1415 and/or the rotating mechanism or hinge 1420 that the door 1415 is coupled to can be spring-biased into the closed configuration 1415a through the use of a spring or other biasing means. Spring-biasing the door 1415 into a closed configuration 1415a can help to prevent fluids and other material contaminants from entering the adapter receiving cavity 1205 when the removable seat attachment adapter 84 is not coupled into the adapter receiving cavity 1205.

When a parent or guardian wants to add a second stroller seat 85 to the stroller 80, they can insert the removable seat attachment adapter 84 into the adapter receiving cavity 1205 by pressing or applying a force with the first end 84a of the removable seat attachment adapter 84 against the top side of the rotating door 1415 with a force that is greater than the spring-biasing force. This will cause the door 1415 to rotate from the closed configuration 1415a towards the open configuration 1415b and allow the first end 84a of the removable seat attachment adapter to enter into the adapter receiving cavity 1205 and be coupled to the seat attachment housing 1405, 1410.

When the parent or guardian removes the removable seat attachment adapter 84, as described above with regard to Figures 13A-C, as the first end 84a of the removable seat attachment adapter 84 exits the adapter receiving cavity 1205 and opening 1130, the spring-bias of the hinge 1420 or door 1415 will cause the door 1415 to automatically rotate from the open configuration 1415b to the closed configuration 1415a, thereby limiting access to the opening 1130 and the adapter receiving cavity 1205 from the top side of the seat attachment housing 1405, 1410.

While the above description contains many specifics, these specifics should not be construed as limitations on the scope of the disclosure, but merely as exemplifications of the

disclosed embodiments. Those skilled in the art will envision many other possible variations that are within the scope of the disclosure.

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CLAIMS

What is claimed is:

1. A stroller, comprising:

a stroller frame;

a plurality of wheels comprising at least one front wheel and a plurality of back wheels;

a first seat coupled to the stroller frame at a first vertical position of the stroller frame and configured to hold a first child in the stroller;

a first seat attachment housing coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical position;

a second seat attachment housing coupled to the stroller frame at a third vertical position of the stroller frame that is below the first vertical position;

wherein a first seat attachment adapter is configured to be removably coupled to the first seat attachment housing and wherein a second seat attachment adapter is configured to be removably coupled to the second seat attachment housing.

2. The stroller of claim 1, further comprising:

the first seat attachment adapter removably coupled to the first seat attachment housing; and

the second seat attachment adapter removably coupled to the second seat attachment housing.

3. The stroller of claim 2, further comprising a second seat removably coupled to the first seat attachment adapter and the second seat attachment adapter.

4. The stroller of claim 2, wherein each of the first seat attachment adapter and the second seat attachment adapter has a first end and a distal second end.

5. The stroller of claim 4, wherein the first end comprises a connector portion and is releasably connected to one of the first seat attachment housing and the second seat attachment

housing.

6. The stroller of claim 4, wherein the second end is releasably connected to a second seat.

7. The stroller of claim 3, wherein the first seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat, a second car seat, a second stroller seat, a second bassinet, a second baby carrier, or a second pram.

8. The stroller of claim 1, further comprising:

a third seat attachment adapter coupled to the stroller frame at the first vertical position; and

a fourth seat attachment adapter coupled to the stroller frame at the first vertical position;

wherein the first seat is removably coupled to the third seat attachment adapter and the fourth seat attachment adapter.

9. The stroller of claim 1, wherein the second vertical position and the third vertical position are at a same vertical height.

10. The stroller of claim 1, wherein the stroller frame comprises:

a first upper tube support frame;

a second upper tube support frame;

a first front wheel support frame configured to rotate with respect to the first upper tube support frame;

a second front wheel support frame configured to rotate with respect to the second upper tube support frame;

a first back wheel support frame configured to rotate with respect to the first upper tube support frame; and

a second back wheel support frame configured to rotate with respect to the second upper tube support frame.

11. The stroller of claim 10, wherein the first seat is coupled along the first upper tube support frame and the second upper tube support frame, wherein the first seat attachment housing is coupled to the first front wheel support frame, and wherein the second seat attachment housing is coupled to the second front wheel support frame.

12. The stroller of claim 10, further comprising a handle comprising a first end coupled to the first upper tube support frame and a distal second end coupled to the second upper tube support frame.

13. The stroller of claim 1, wherein the first seat attachment housing and the second seat attachment housing are part of the stroller frame.

14. A stroller, comprising:

a stroller frame comprising:

a first upper tube support frame;

a second upper tube support frame;

a first front wheel support frame configured to rotate with respect to the first upper tube support frame;

a second front wheel support frame configured to rotate with respect to the second upper tube support frame;

at least one back wheel support frame; and

a stroller handle provided along an end of the first upper tube support frame and the second upper tube support frame;

a first front wheel operably coupled to the first front wheel support frame;

a second front wheel operably coupled to the second front wheel support frame;

a plurality of back wheels operably coupled to the at least one back wheel support frame;

a first seat coupled along the first upper tube support frame and the second upper tube support frame and configured to hold a first child in the stroller;

a first seat attachment housing coupled to the first front wheel support frame;

a second seat attachment housing coupled to the second front wheel support frame;

a first seat attachment adapter removably coupled to the first seat attachment housing;

a second seat attachment adapter removably coupled to the second seat attachment housing; and

a second seat removably coupled to the first seat attachment adapter and the second seat attachment adapter and configured to hold a second child in the stroller.

15. The stroller of claim 14, wherein the first seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat, a second car seat, a second stroller seat, a second bassinet, a second baby carrier, or a second pram.

16. The stroller of claim 14, wherein the first seat is removably coupled along the stroller frame.

17. The stroller of claim 14, further comprising:

a third seat attachment adapter coupled to the first upper tube support frame; and

a fourth seat attachment adapter coupled to the second upper tube support frame;

wherein the first seat is removably coupled to the third seat attachment adapter and the fourth seat attachment adapter.

18. A stroller, comprising:

a stroller frame comprising:

a first upper tube support frame;

a second upper tube support frame;

a front wheel support frame configured to rotate with respect to the first upper tube support frame and the second upper tube support frame;

at least one back wheel support frame; and

a stroller handle provided along an end of the first upper tube support frame and an end of the second upper tube support frame;

at least one front wheel operably coupled to the front wheel support frame;

at least one back wheel operably coupled to the at least one back wheel support frame;

a first seat attachment housing coupled to the front wheel support frame;

a second seat attachment housing coupled to the front wheel support frame;

a first seat attachment adapter removably coupled to the first seat attachment housing;

a second seat attachment adapter removably coupled to the second seat attachment housing;

a third seat attachment adapter coupled to the first upper tube support frame;

a fourth seat attachment adapter coupled to the second upper tube support frame;

a first seat removably coupled along the third seat attachment adapter and the fourth seat attachment adapter and configured to hold a first child in the stroller; and

a second seat removably coupled to the first seat attachment adapter and the second seat attachment adapter and configured to hold a second child in the stroller.

19. The stroller of claim 18, wherein the at least one back wheel support frame is rotatable with respect to the first upper tube support frame and the second upper tube support frame.

20. The stroller of claim 18, wherein the first seat attachment housing and the second seat attachment housing are part of the stroller frame.

REMOVABLE SEAT ATTACHMENT FOR A STROLLER

ABSTRACT

A stroller is provided with the ability to removably couple and decouple a seat from the stroller as needed. The stroller can include a stroller frame. The stroller can also include one or more front wheels attached to the stroller frame and one or more rear wheels attached to the stroller frame. The stroller can also include a first seat couple to the stroller frame. The stroller can include first and second seat attachment housings. Each of the seat attachment housings can include a cavity for receiving a corresponding one of the first and second seat attachment adapters. Each of the seat attachment housings can also include a door or cover to prevent access to the respective cavity when not in use. The seat attachment adapters can be coupled to the respective seat attachment housings and a second seat can be coupled to the seat attachment adapters.

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	REMOVABLE SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	John Hee LEE
Filer:	Christopher Chan/LaYonda Prue
Attorney Docket Number:	34757-2446

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	300	300
UTILITY SEARCH FEE	1111	1	660	660
UTILITY EXAMINATION FEE	1311	1	760	760
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1720**

Electronic Acknowledgement Receipt

EFS ID:	39739181
Application Number:	16903292
International Application Number:	
Confirmation Number:	2406
Title of Invention:	REMOVABLE SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	John Hee LEE
Customer Number:	134811
Filer:	Christopher Chan/LaYonda Prue
Filer Authorized By:	Christopher Chan
Attorney Docket Number:	34757-2446
Receipt Date:	16-JUN-2020
Filing Date:	
Time Stamp:	20:37:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1720
RAM confirmation Number	E20206FK37302511
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	34757-2446_ADS.pdf	1256786 81f597b94962d58ecc5ec2cea728d5eb0a0bd4a5	no	10
Warnings:					
Information:					
2	Oath or Declaration filed	34757-2446_Declaration.pdf	443792 2a2d8718dc5be43e155be1b5722ce4cd9cbf038f	no	7
Warnings:					
Information:					
3	Drawings-only black and white line drawings	34757-2446_Drawings.pdf	662747 93b1d4e18ddbb93e9a1a605fe21e78cf0cf771e1	no	18
Warnings:					
Information:					
4	Power of Attorney	34757-2446_POA.pdf	168464 7424a70fa33e15fb7894b9498be94ec0f55a5668	no	1
Warnings:					
Information:					
5	Transmittal Letter	34757-2446_POA_Transmittal.pdf	131079 4f09d16518a2296e2879eb675a5de5defb8f13eb	no	1
Warnings:					
Information:					
6		34757-2446_Prreliminary_Amendment.pdf	47695 a24934f8f47cefff7e6cb0a378db4d22b4fe833a	yes	8

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**

	Preliminary Amendment		1		1
	Specification		2		6
	Abstract		7		7
	Applicant Arguments/Remarks Made in an Amendment		8		8
Warnings:					
Information:					
7		34757-2446_Specification.pdf	1504844 db4b764bdf75f24c33cec05a0c63415db2cea04b	yes	29
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**		**End**
	Specification		1		23
	Claims		24		28
	Abstract		29		29
Warnings:					
Information:					
8	Fee Worksheet (SB06)	fee-info.pdf	34757 39a2a4cd1f42d19ab60c93079117f4bf7f528f6c	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	4250164		

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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

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

Secrecy Order 37 CFR 5.2:

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	John	Hee	LEE	

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

City	State/Province	Country of Residence
Highwood	IL	US

Mailing Address of Inventor:

Address 1	228 S. Central Avenue
Address 2	
City	Highwood
State/Province	IL
Postal Code	60040
Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Megan		ROE	

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

City	State/Province	Country of Residence
Kalamazoo	MI	US

Mailing Address of Inventor:

Address 1	4029 Heights Lane
Address 2	
City	Kalamazoo
State/Province	MI
Postal Code	49008
Country	US

Inventor 3 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Stacy	Noel	SIMPSON	

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

City	Portage	State/Province	MI	Country of Residence	US

Mailing Address of Inventor:

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

Inventor 4 — Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Mark		ZEHFUSS	

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

City	Glen Allen	State/Province	VA	Country of Residence	US

Mailing Address of Inventor:

Address 1	10804 Cherry Hill Drive		
Address 2			
City	Glen Allen	State/Province	VA
Postal Code	23059	Country	US

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

Correspondence Information:

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

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

Customer Number	134811		
Email Address	patentdocket@eversheds-sutherland.com	Add Email	Remove Email

Application Information:

Title of the Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER		
Attorney Docket Number	34757-2446	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	18	Suggested Figure for Publication (if any)	

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Filing By Reference:

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

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

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

Publication Information:

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

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

Representative Information:

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

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

Domestic Benefit/National Stage Information:

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

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	15912901	2018-03-06

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15912901	Continuation of	15225326	2016-08-01	9944305	2018-04-17
Prior Application Status	Expired				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
15225326	Claims benefit of provisional	62311224	2016-03-21		
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15225326	Continuation in part of	14597420	2015-01-15	9403550	2016-08-02
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14597420	Continuation of	14261558	2014-04-25	8955869	2015-02-07
Prior Application Status	Abandoned				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
14261558	Continuation of	12633751	2009-12-04		
Prior Application Status	Expired				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
12633751	Claims benefit of provisional	61119920	2008-12-04		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.					Add

Foreign Priority Information:

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

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

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

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

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

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

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

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

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

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

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

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Applicant Information:

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

Applicant 1 — Remove

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

Clear

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

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

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	Baby Jogger, LLC		
Mailing Address Information For Applicant:			
Address 1	3575 Magellan Parkway		
Address 2	Suite 1000		
City	Richmond	**State/Province**	VA
Country	US	Postal Code	23227
Phone Number		Fax Number	
Email Address			

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

Assignee Information including Non-Applicant Assignee Information:

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Assignee 1

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

Remove

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

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

Mailing Address Information For Assignee including Non-Applicant Assignee:

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

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

Signature:

Remove

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

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

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

Signature	/Christopher J. Chan/			Date (YYYY-MM-DD)	2020-06-16
First Name	Christopher	Last Name	Chan	Registration Number	44,070

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/225,326 Attorney Docket No. 34757-1526
Filed: August 1, 2016

PARTIES TO THE ASSIGNMENT

Assignor(s):

JON HEE LEE
228 S. Central Ave
Highwood, IL 60040

MEGAN ROE
4029 Heights Lane
Kalamazoo, MI 49008

STACY NOEL SIMPSON
6035 Chablis Lane
Portage, MI 49024

MARK ZEHFUSS
10804 Cherry Hill Drive
Glen Allen, VA 23059

Assignee:

BABY JOGGER, LLC
8575 Magellan Parkway, Suite 1000
Richmond, VA 23227

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "**REMOVABLE SEAT ATTACHMENT FOR A STROLLER**" (Invention) for which a non-provisional application for United States Letters Patent

☒ was filed on August 1, 2016, and accorded U.S. Application No. 15/225,326 ; or

☐ will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of Sutherland Asbill and Brennan LLP, associated with Customer No. 134811, to insert in the header above and here in

parentheses (U.S. Application No. 15/225,326 , filed August 1, 2016), this application's U.S. application number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the State of Virginia, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any

violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon our heirs, legal representatives, administrators, and assigns.

CORRESPONDENCE ADDRESS

I hereby direct all correspondence and telephone calls in connection with this application be addressed to the number associated with the customer number listed below, which is:

134811

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/225,326
Filed: August 1, 2016

Attorney Docket No. 34757-1526

DECLARATION

As a below named inventor, I hereby declare that this declaration is directed to:

- ☐ the attached application; or
- ☒ United States application number 15/225,326 filed on August 1, 2016; or
- ☐ PCT international application number _____ filed on _____.

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known)

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **JON HEE LEE**

Jon Hee Lee

07/28/16
Date

STATE OF Illinois
ss.
COUNTY OF Cook

This 28 day of July, 2016 before me personally came the above-named **Jon Hee Lee**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

OFFICIAL SEAL
ANTHONY KEITH WINSTON
Notary Public - State of Illinois
My Commission Expires 08/21/2018

37061224.1

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 34757-1526

U.S. Patent Appln. No. 15/225,326
Filed: August 1, 2016

X United States application number 15/225,326 filed on August 1, 2016; or

PCT international application number _____ filed on _____.
(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known)

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **MEGAN ROE**

Megan Roe

07.28.16
Date

STATE OF Michigan
ss.
COUNTY OF Kalamazoo

This 28th day of July, 2016 before me personally came the above-named **Megan Roe**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Diane L. Martin
(Notary Public)

DIANE L. MARTIN, Notary Public
State of Michigan, County of Cass
My Commission Expires 09/18/2022
Acting in the County of Kalamazoo

37061224.1

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 34757-1526

U.S. Patent Appln. No. 15/225,326
Filed: August 1, 2016

DECLARATION

As a below named inventor, I hereby declare that this declaration is directed to:

- ☐ the attached application; or
- ☒ United States application number 15/225,326 filed on August 1, 2016; or
- ☐ PCT international application number _____ filed on _____
  (We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known)

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **STACY NOEL SIMPSON**

Stacy Noel Simpson

7/25/2016
Date

STATE OF
ss.
COUNTY OF

This 25th day of July, 2016 before me personally came the above-named **Stacy Noel Simpson**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Diane L Martin
(Notary Public)

DIANE L. MARTIN, Notary Public
State of Michigan, County of Cass
My Commission Expires 09/16/2022
Acting in the County of Kalamazoo

37061224.1

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/225,326
Filed: August 1, 2016

Attorney Docket No 34757-1526

DECLARATION

As a below named inventor, I hereby declare that this declaration is directed to:

☐ the attached application; or

☒ United States application number 15/225,326 filed on August 1, 2016; or

☐ PCT international application number _____ filed on _____.
(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known)

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: MARK ZEHFUSS

Mark Zehfuss

8/2/16
Date

STATE OF Virginia
ss.
COUNTY OF Henrico

This 2nd day of August, 2016 before me personally came the above-named **Mark Zehfuss**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

DARNELL TREVON TAYLOR
COMMONWEALTH OF VIRGINIA
REG. NO. 7508517 EXP. 8-31-18
NOTARY PUBLIC

Darnell Trevon Taylor
(Notary Public)

37061224.1

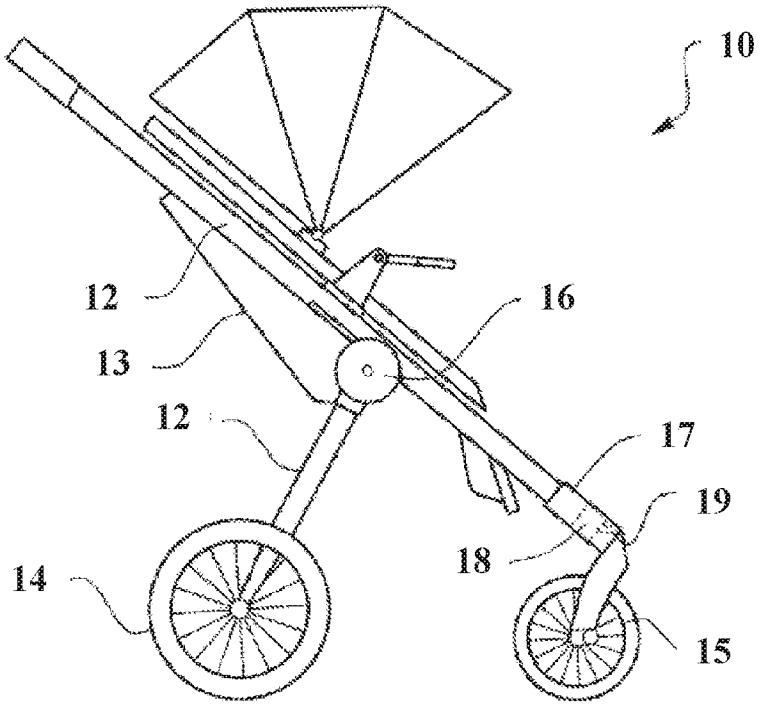


FIGURE 1

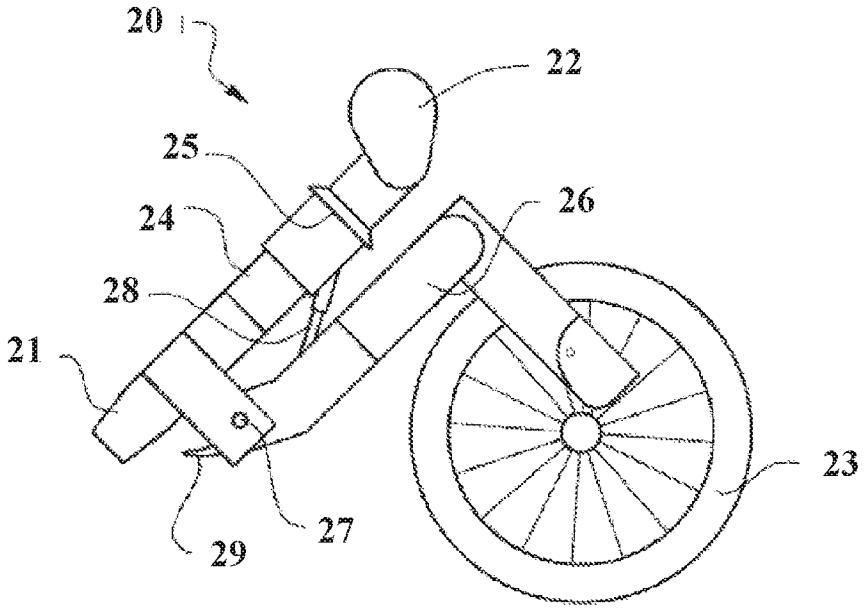


FIGURE 2

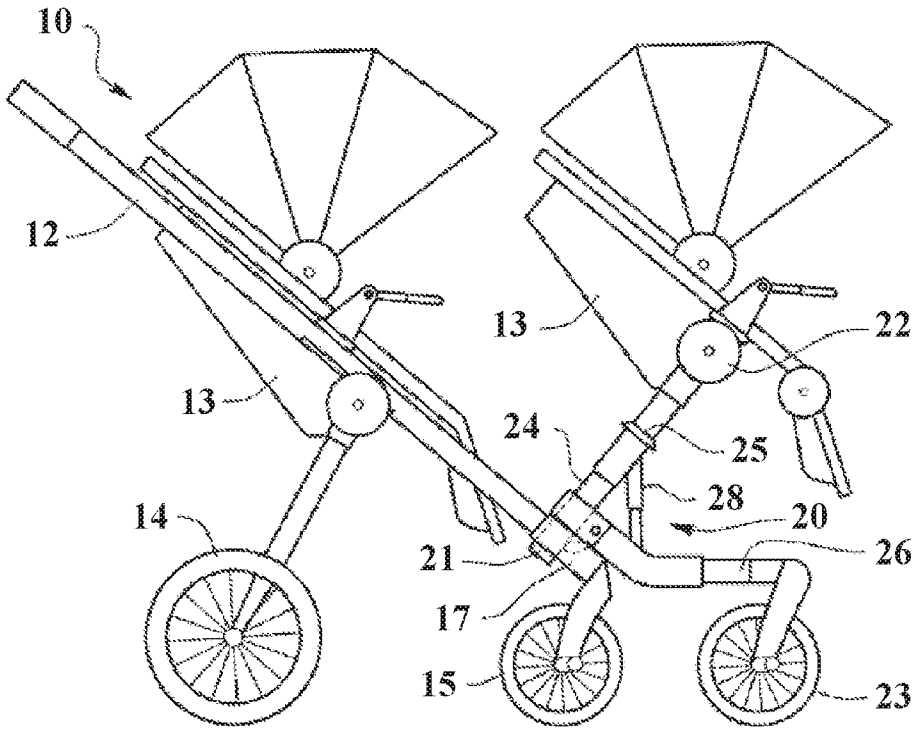


FIGURE 3

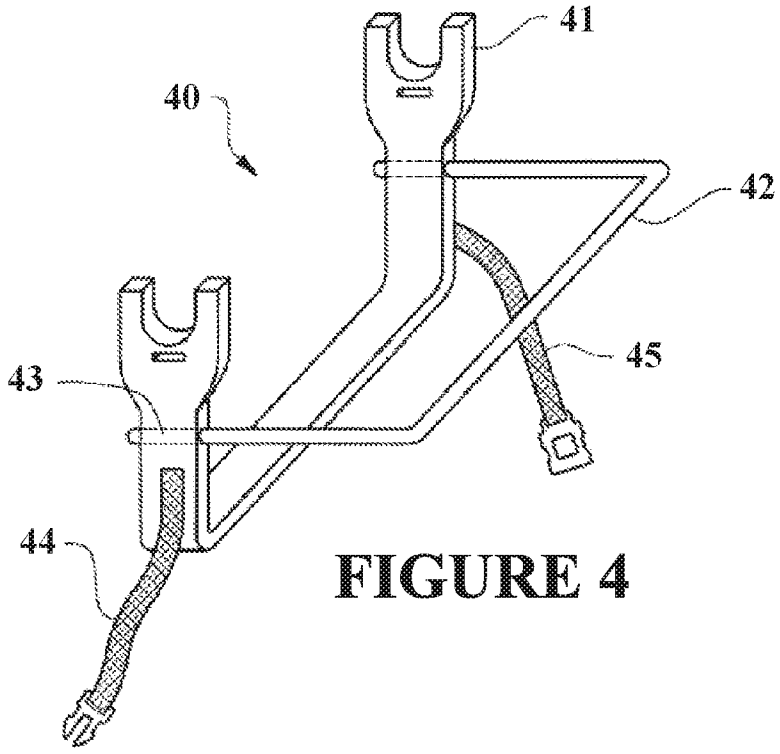


FIGURE 4

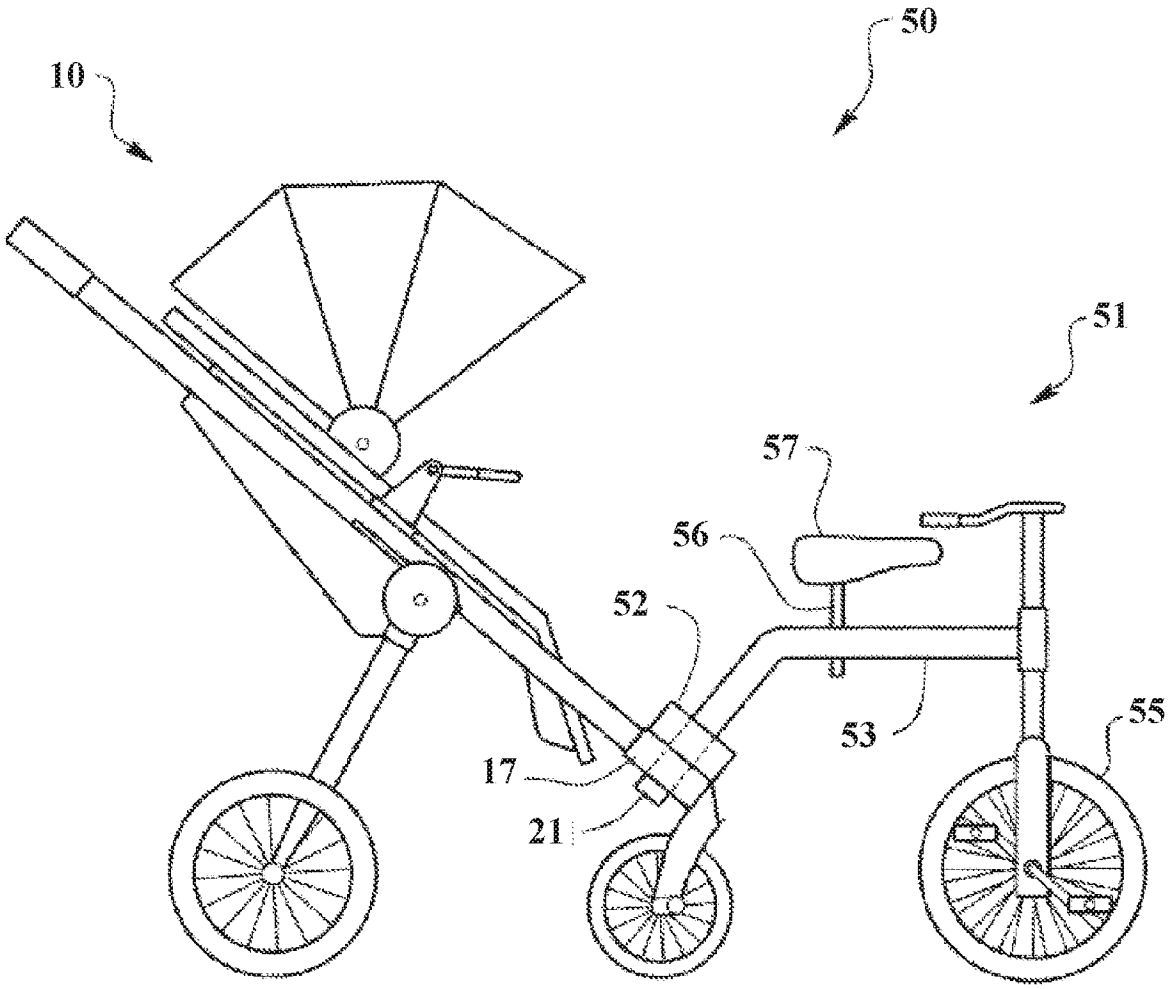


FIGURE 5

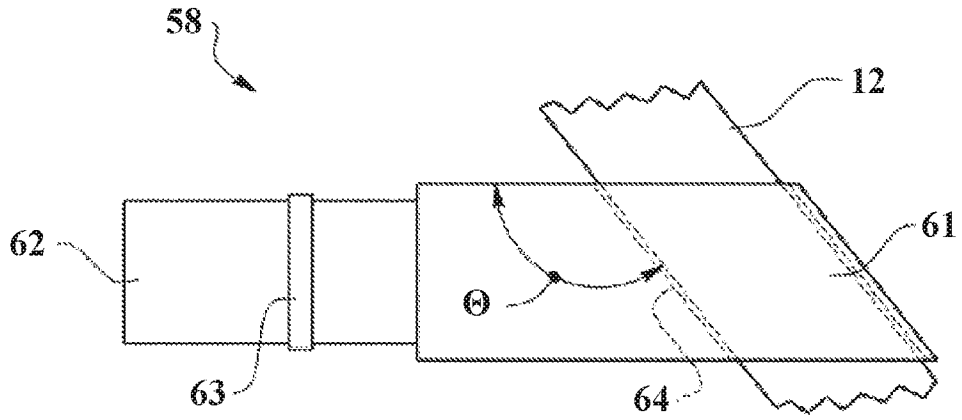


FIGURE 6A

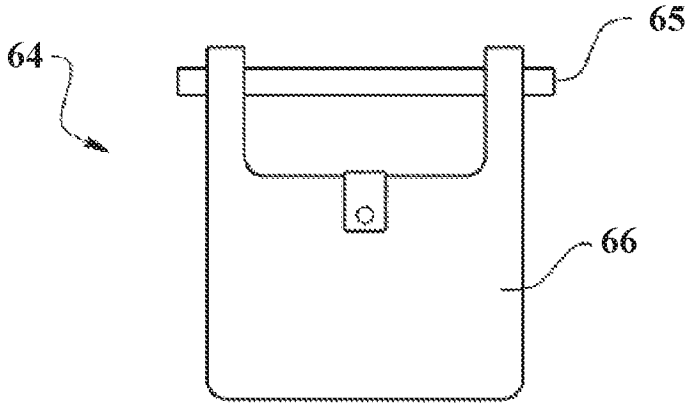


FIGURE 6B

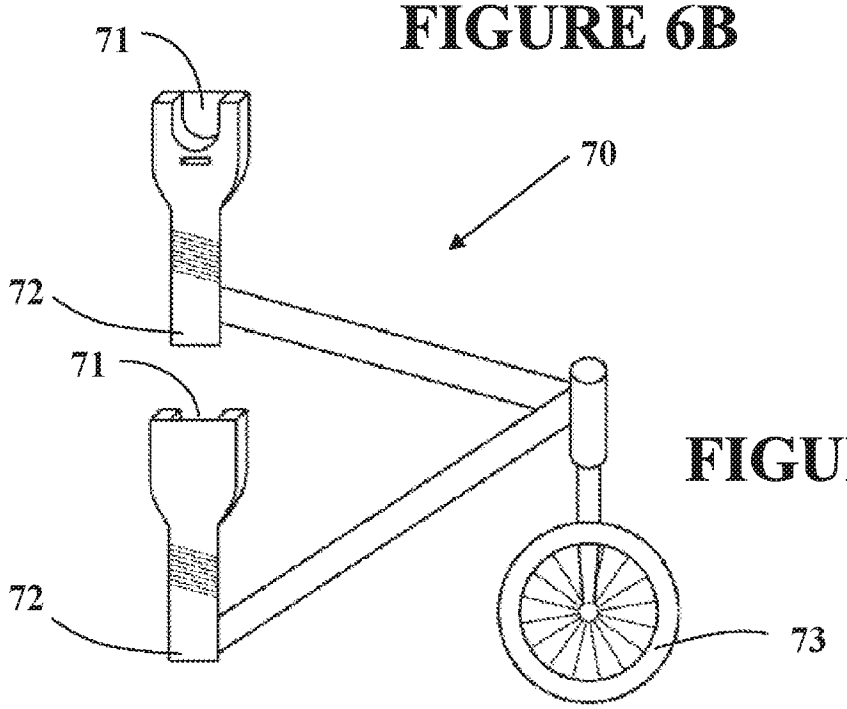


FIGURE 7

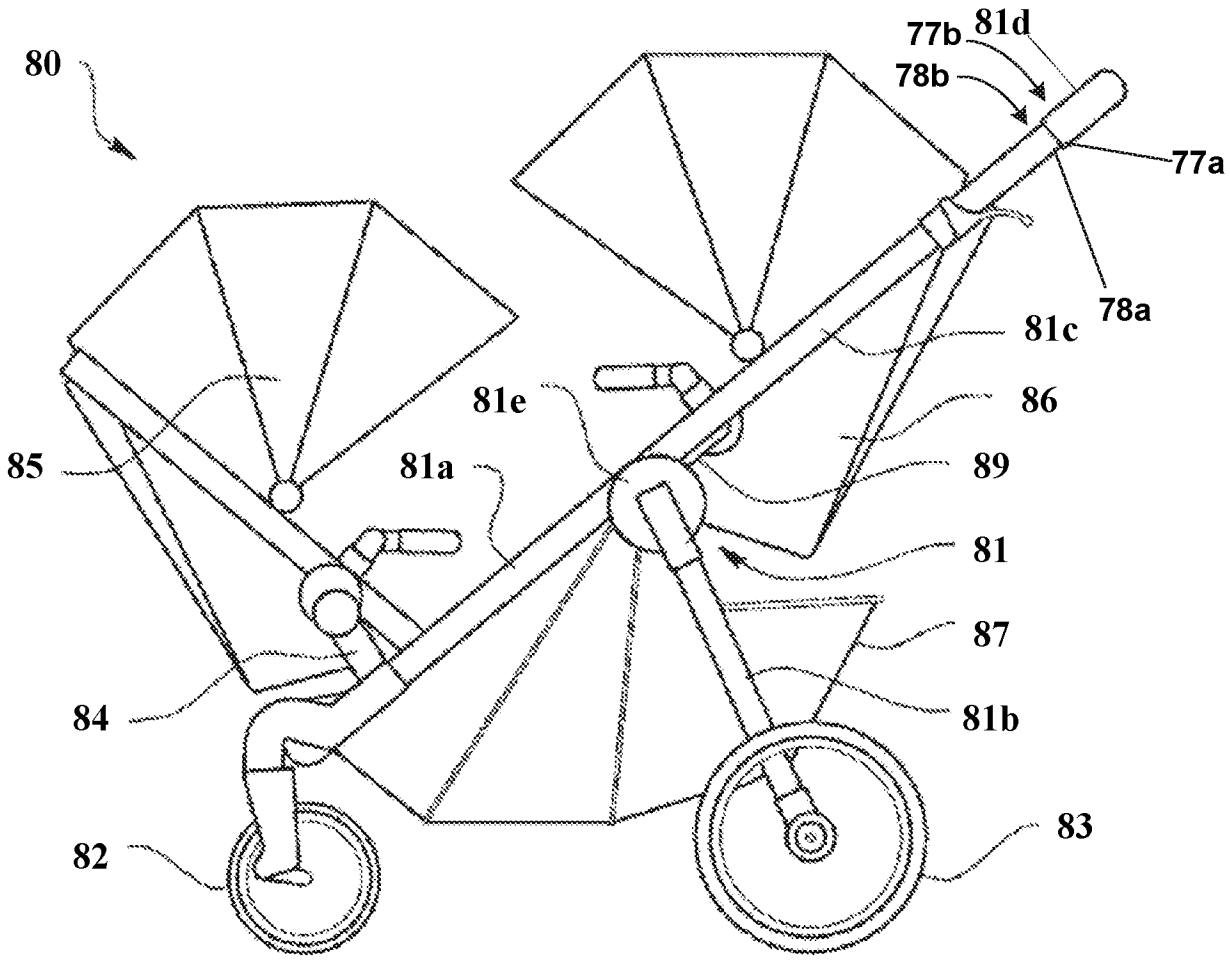


FIGURE 8A

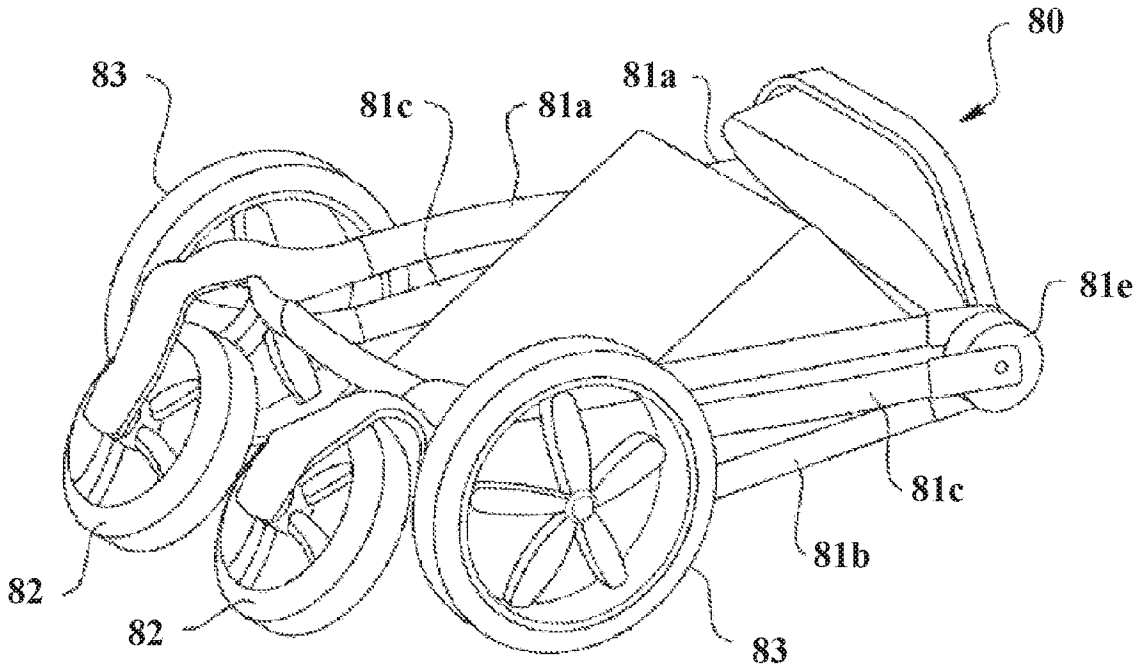


FIGURE 8B

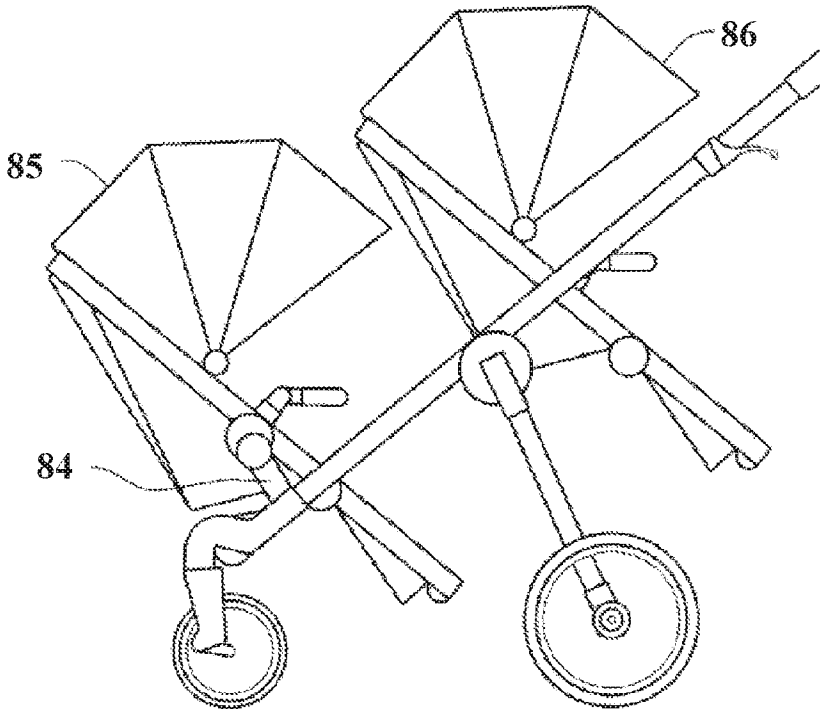


FIGURE 8C

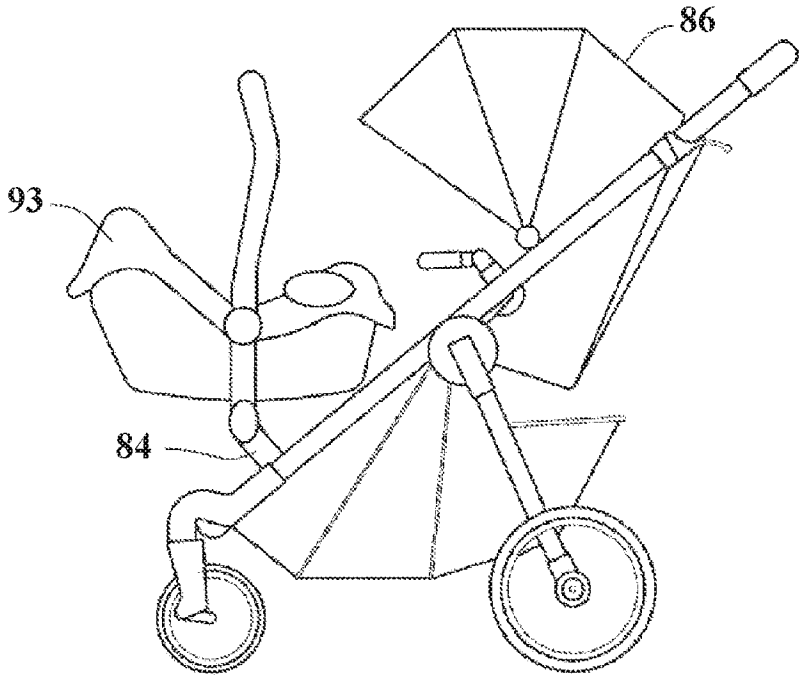


FIGURE 8D

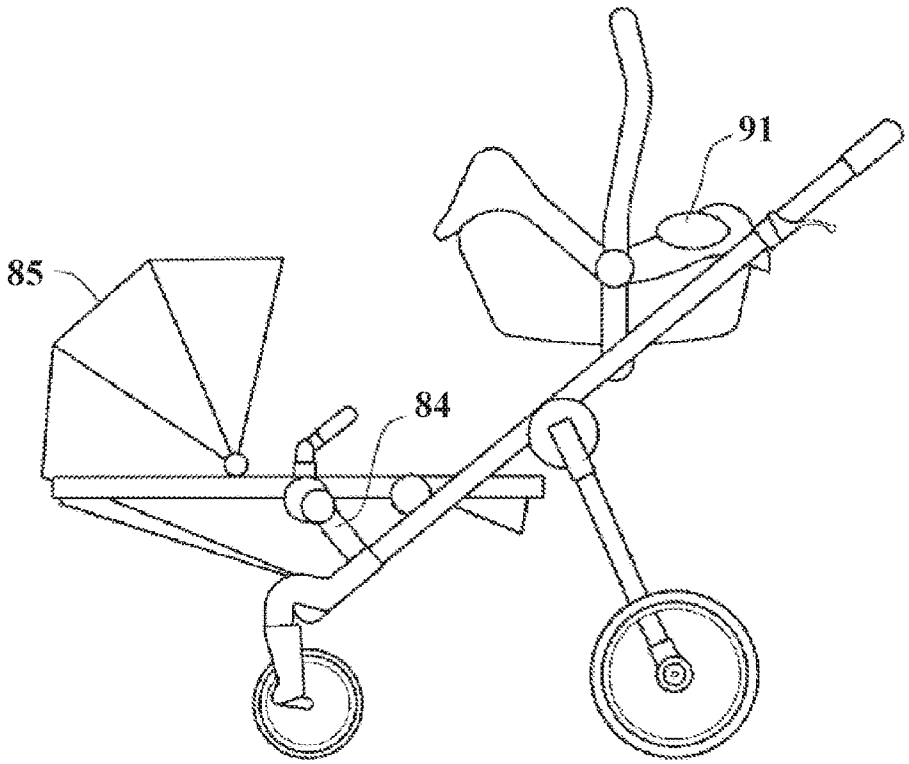


FIGURE 8E

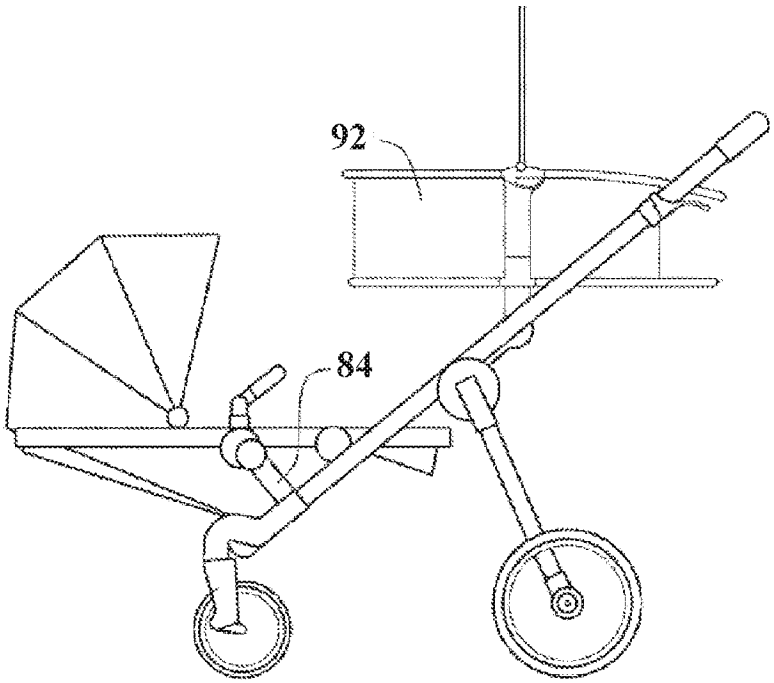


FIGURE 8F

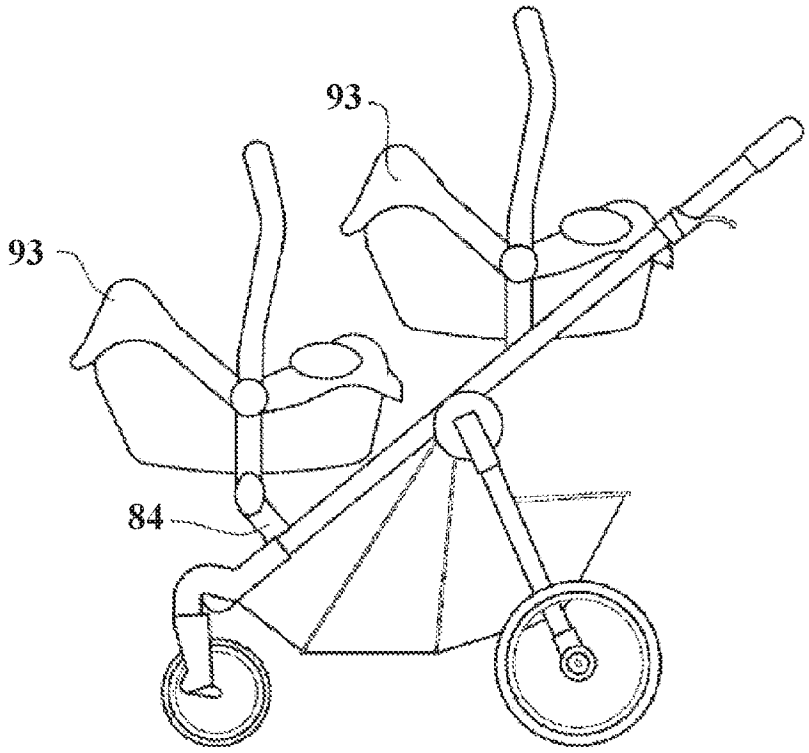


FIGURE 8G

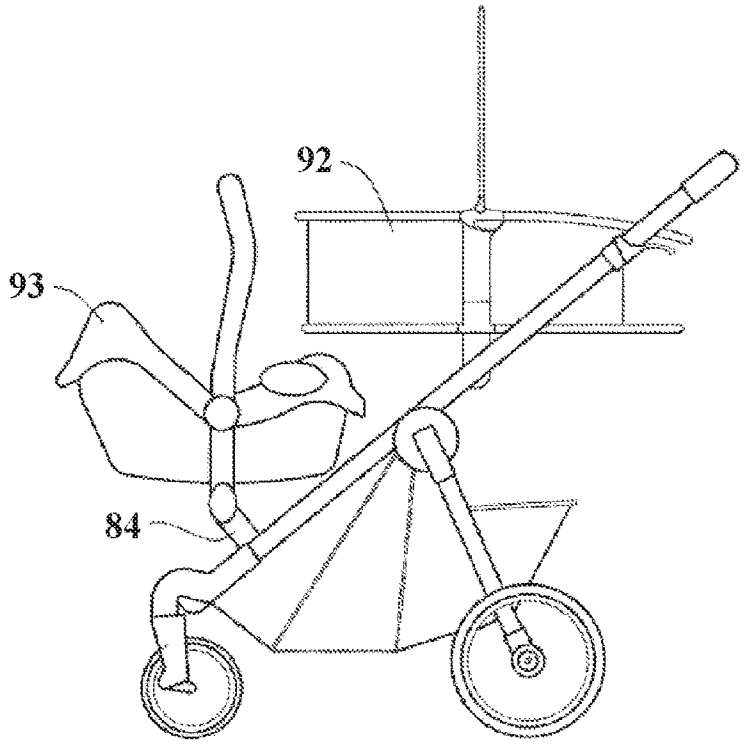


FIGURE 8H

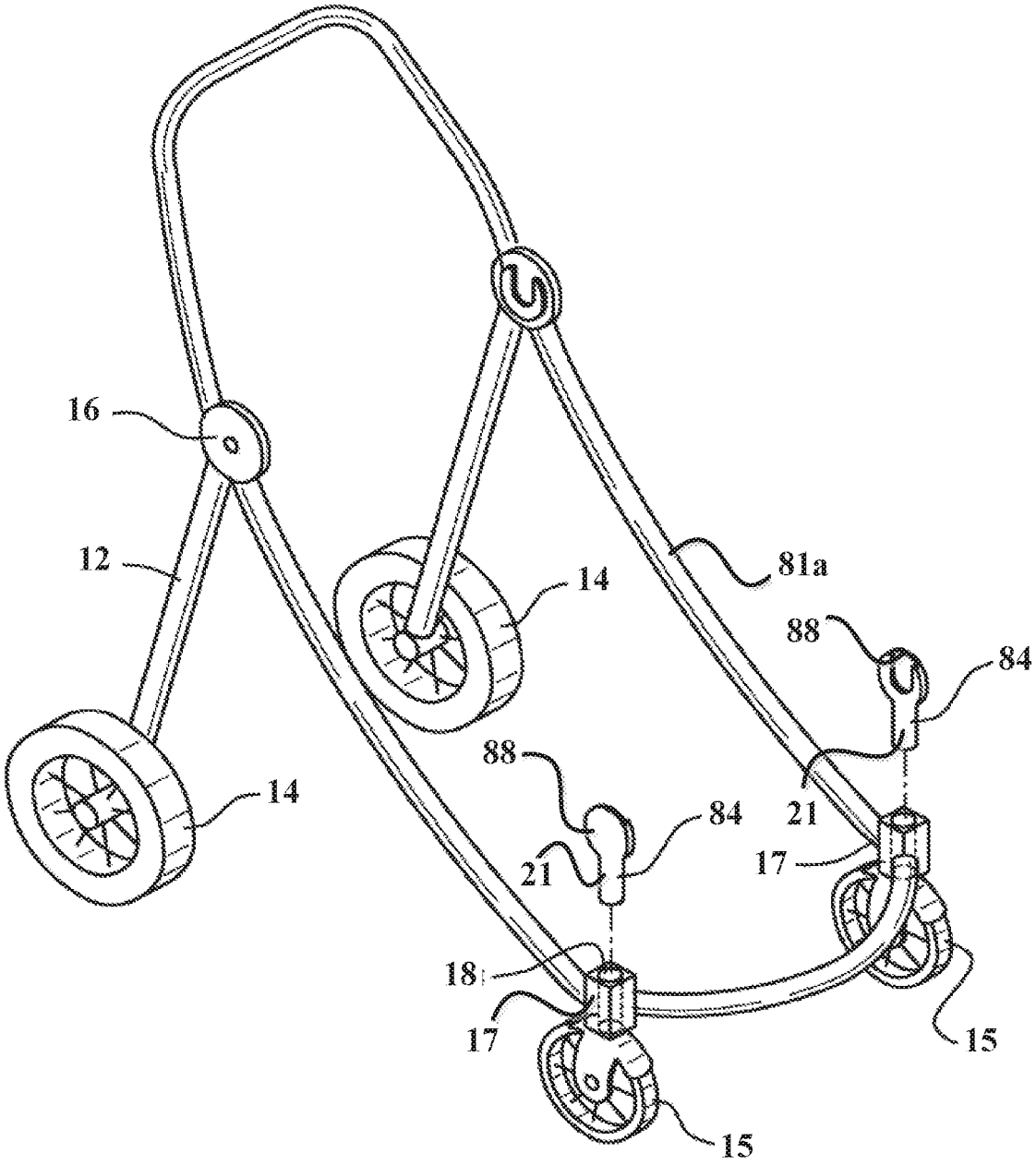


FIGURE 9

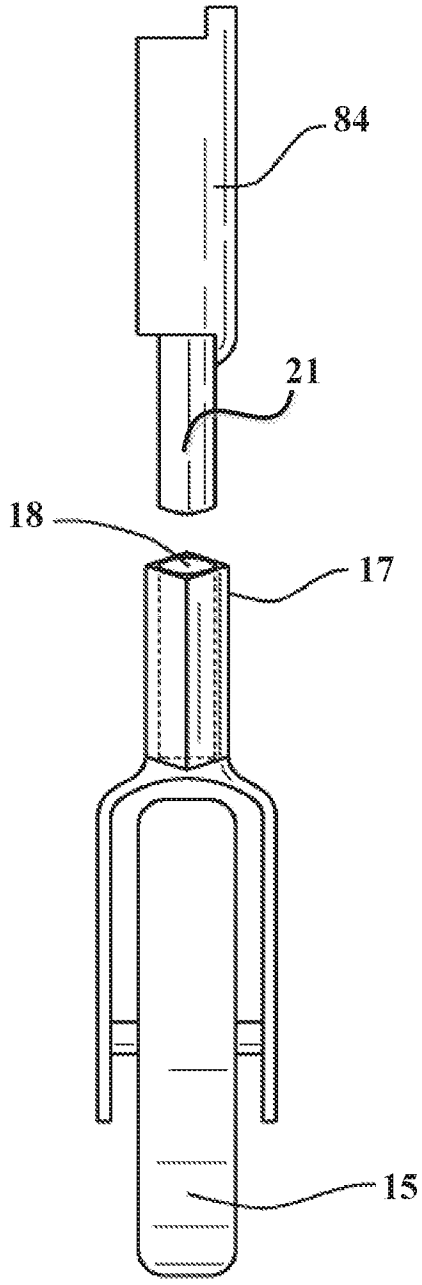
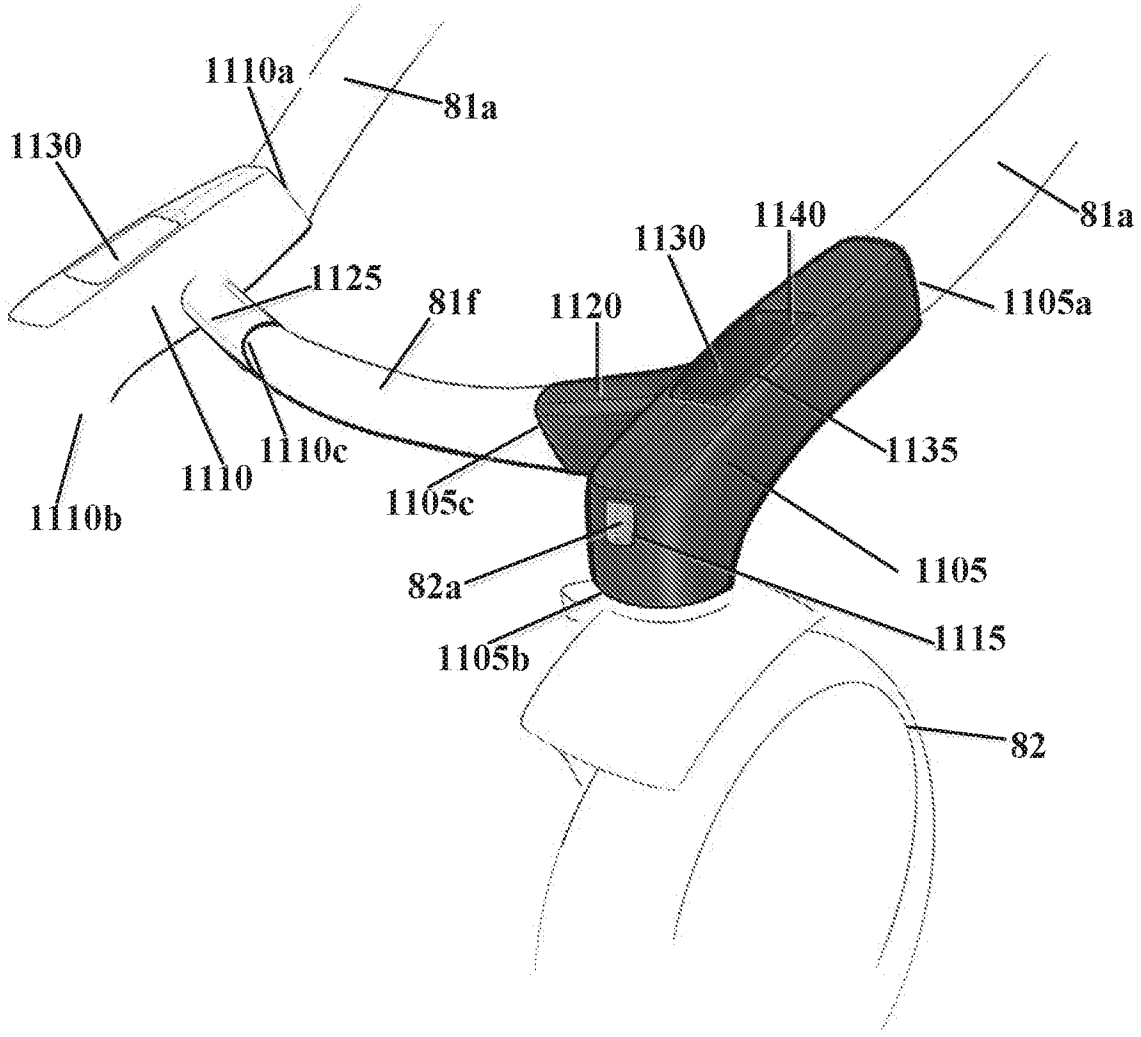


FIGURE 10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1105b
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FIGURE 11

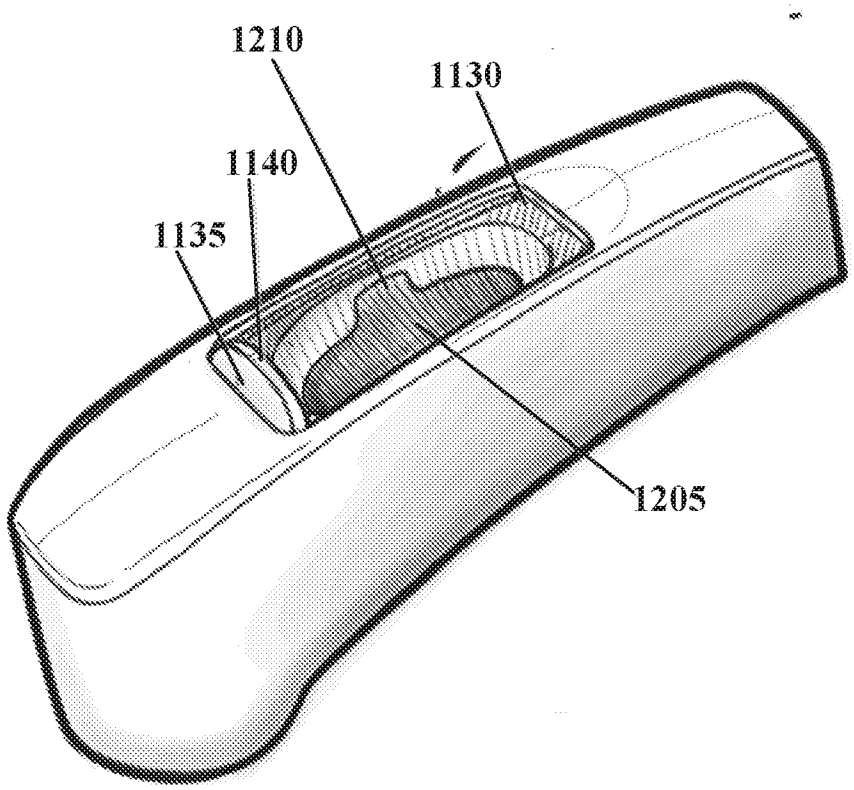

FIGURE 12

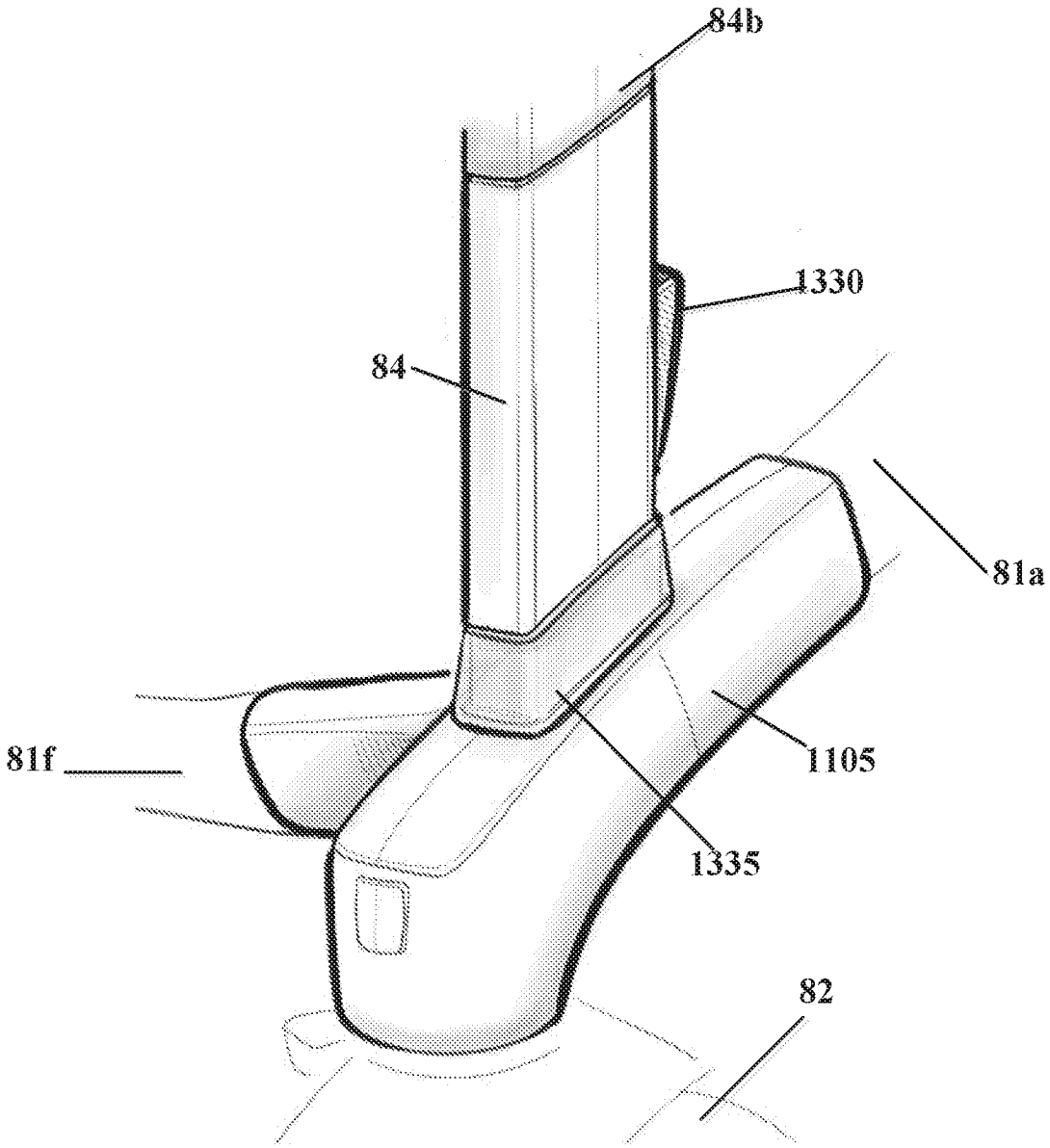

FIGURE 13A

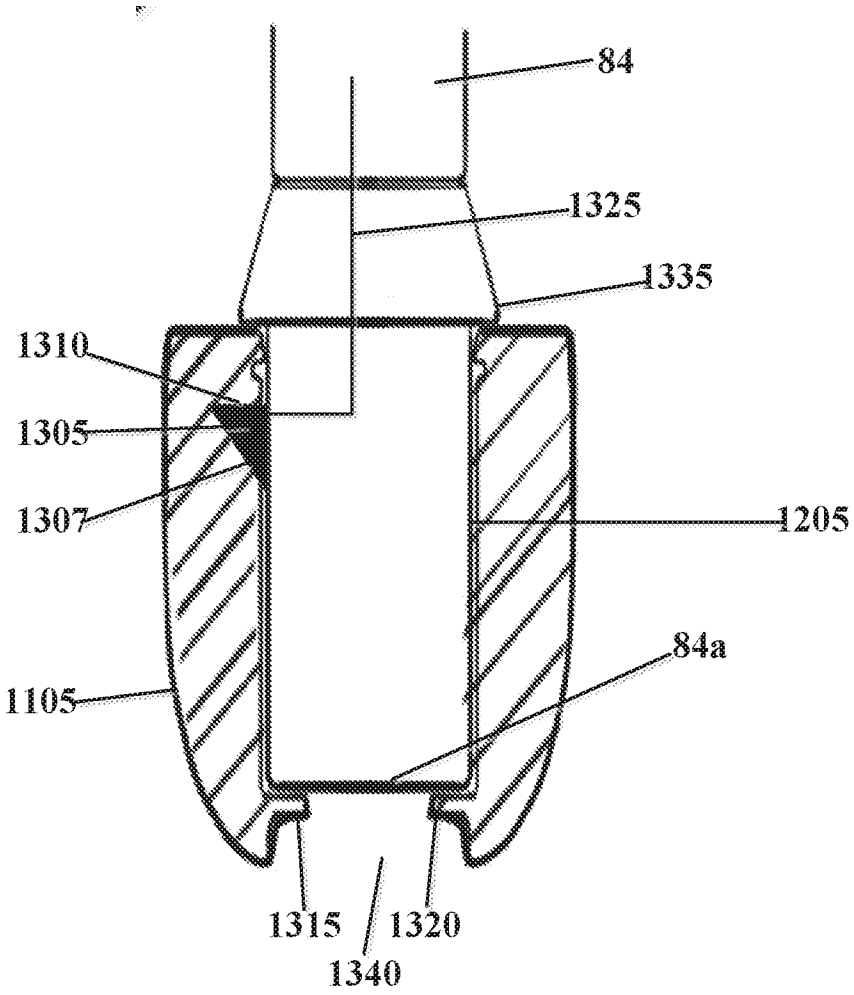

FIGURE 13B

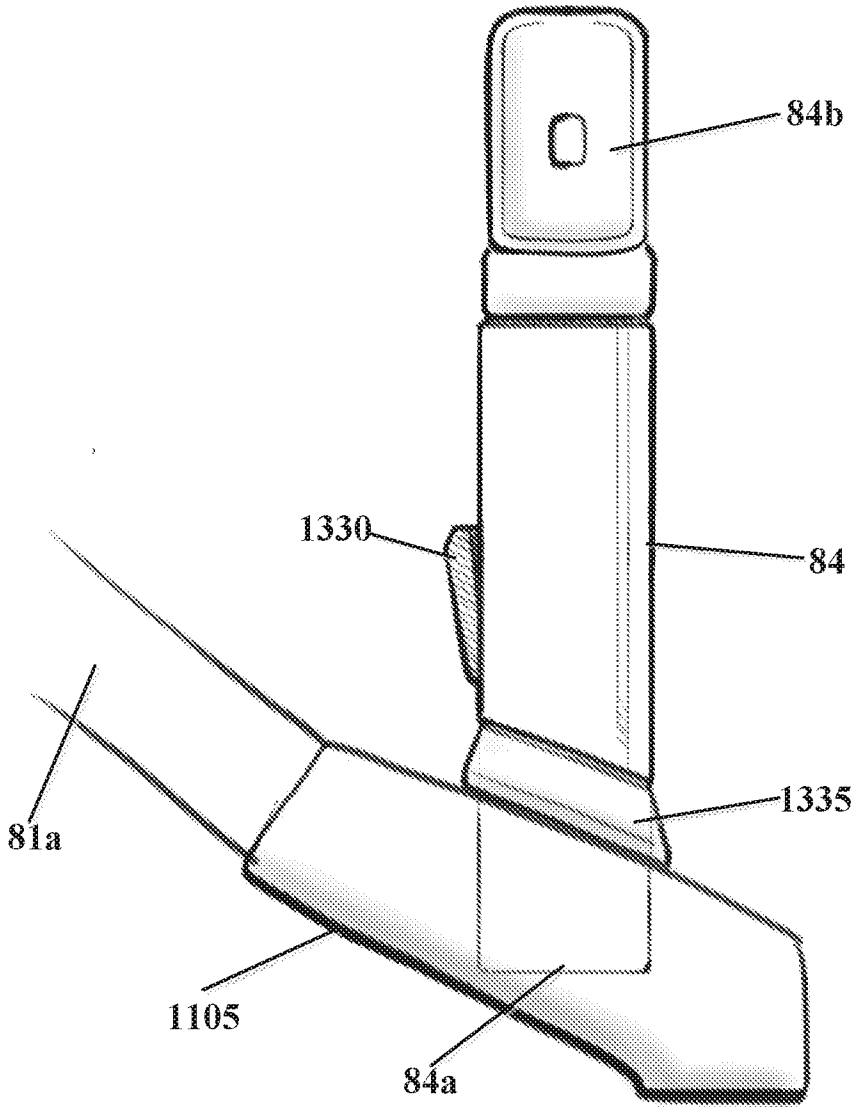

FIGURE 13C

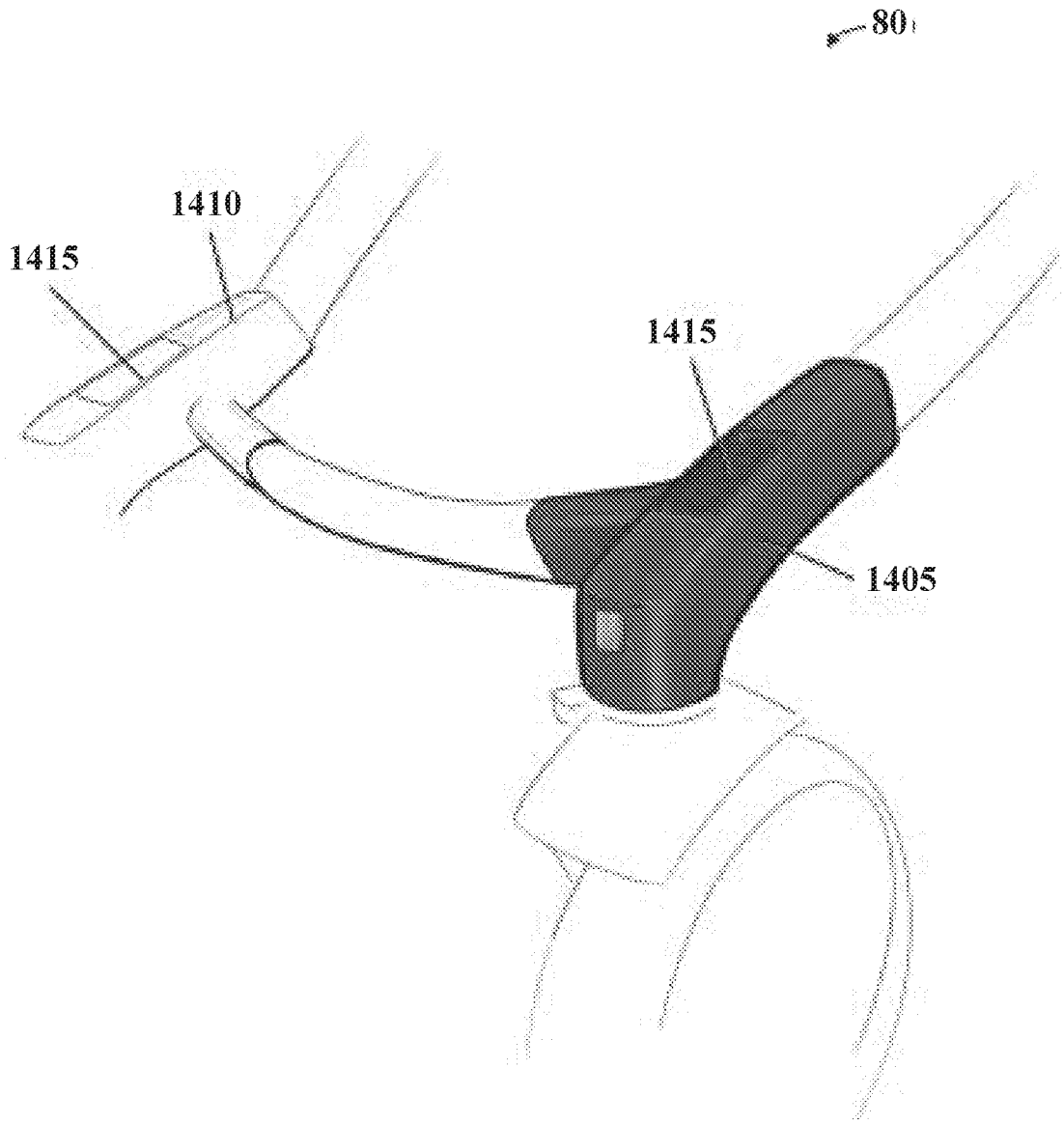

FIGURE 14A

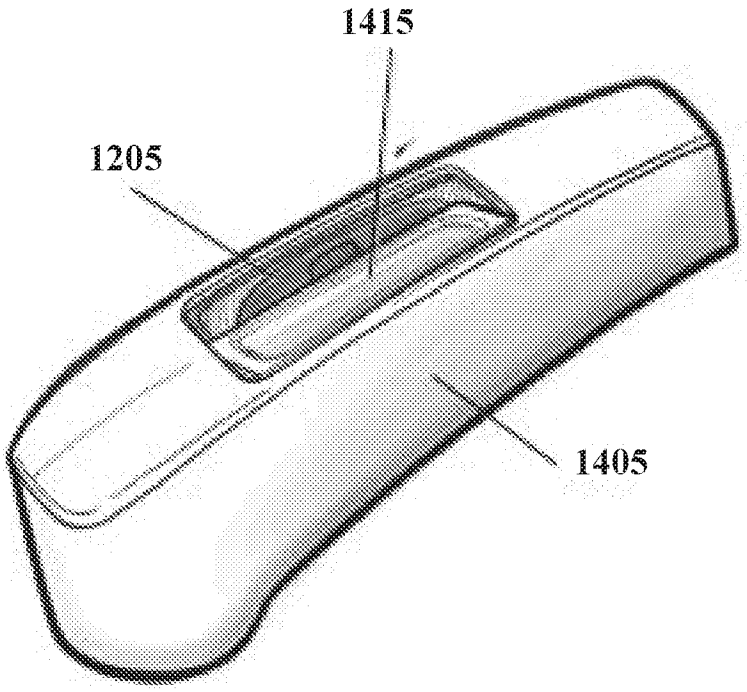

FIGURE 14B

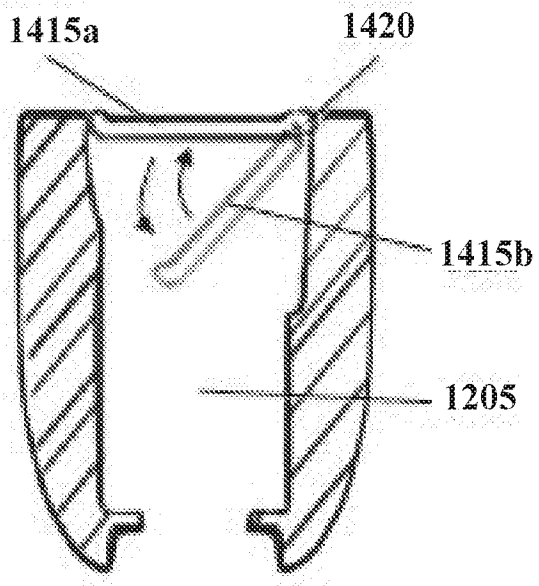

FIGURE 14C

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
Approved for use through 11/30/2014. OMB 0651-0051
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 134811

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

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City		State		Zip	
Country					
Telephone		Email			

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

BABY JOGGER, LLC

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature	/Karen Borrelli/	Date (Optional)	17 Sept 2015
Name	Karen Borrelli		
Title	Assistant Secretary, Chief Patent Counsel		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

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Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82A (07-13)
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Application Number	NEW APPLICATION
Filing Date	June 16, 2020
First Named Inventor	Jon Hee LEE
Title	REMOVABLE SEAT ATTACHMENT FOR A STROLLER
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	34757-2446

SIGNATURE of Applicant or Patent Practitioner

Signature	/Christopher J. Chan/	Date (Optional)	2020-06-16
Name	Christopher J. Chan	Registration Number	44070
Title (if Applicant is a juristic entity)	Attorney of Record		
Applicant Name (if Applicant is a juristic entity)	Baby Jogger, LLC		

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ *Total of 1 forms are submitted.

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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
16/903,292	06/16/2020	3636	1720	34757-2446	20	3

CONFIRMATION NO. 2406

134811
Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309

FILING RECEIPT

OC000000117998973

Date Mailed: 06/25/2020

Receipt is acknowledged of this non-provisional utility 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 FIRST INVENTOR, 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 corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction 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 provided that the request is grantable.

Inventor(s)

John Hee LEE, Highwood, IL;
Megan ROE, Kalamazoo, MI;
Stacy Noel SIMPSON, Portage, MI;
Mark ZEHFUSS, Glen Allen, VA;

Applicant(s)

Baby Jogger, LLC, Richmond, VA;

Power of Attorney: The patent practitioners associated with Customer Number 134811

Domestic Priority data as claimed by applicant

This application is a CON of 15/912,901 03/06/2018
which is a CON of 15/225,326 08/01/2016 PAT 9944305
which claims benefit of 62/311,224 03/21/2016
and is a CIP of 14/597,420 01/15/2015 PAT 9403550
which is a CON of 14/261,558 04/25/2014 PAT 8955869
which is a CON of 12/633,751 12/08/2009 PAT 8474228
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.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 06/24/2020

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/903,292**

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

Non-Publication Request: No

Early Publication Request: No

Title

REMOVABLE SEAT ATTACHMENT FOR A STROLLER

Preliminary Class

297

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.

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 16/903,292

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	300
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	660
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	760
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*			OR	x 100 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 460 =	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
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1720

APPLICATION AS AMENDED - PART II

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

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

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United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/903,292	06/16/2020	John Hee LEE	34757-2446

CONFIRMATION NO. 2406

134811
Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309

FORMALITIES LETTER

OC000000117998974

Date Mailed: 06/25/2020

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 excluding claims 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)). Since a preliminary amendment was present on the filing date of the application and such amendment is part of the original disclosure of the application, the substitute specification must include all of the desired changes made in the preliminary amendment. See 37 CFR 1.115 and 1.215.

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.

- Surcharge as set forth in 37 CFR 1.16(f) must be submitted.
  The surcharge is due for any one of:
  - late submission of the basic filing fee, search fee, or examination fee,
  - late submission of inventor's oath or declaration,
  - filing an application that does not contain at least one claim on filing, or
  - submission of an application filed by reference to a previously filed application.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. No entity status discount is in effect. If applicant is qualified for small entity status, a written assertion of small entity status must be submitted to establish small entity status. (See 37 CFR 1.27). 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.)

- $ **160** surcharge.
- $(**0**) previous unapplied payment amount.
- $ **160** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

- A properly executed inventor's oath or declaration has not been received for the following inventor(s) *as named on the application data sheet:*

  John Hee LEE

  An inventor's oath or declaration in compliance with 37 CFR 1.63 or 1.64 executed by or with respect to each inventor must be submitted no later than the date on which the issue fee is paid in response to a notice requiring such fee. See 37 CFR 1.53(f).

  If the name of the inventor provided on the ADS is not correct, applicant must submit a request to correct the inventor name according to 37 CFR 1.48(f), accompanied by the appropriate fee under 37 CFR 1.17(i) and a corrected ADS in compliance with 37 CFR 1.76(c), i.e., identifying the information that is being changed with underlining for insertions, and strike-through or brackets for text removed.

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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Alexandria VA 22313-1450

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Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/hyassin/

To: patentdocket@eversheds-sutherland.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 134811

Jun 25, 2020 04:03:46 AM

Dear PAIR Customer:

Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 134811 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

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Application	Document	Mailroom Date	Attorney Docket No.
16903292	APP.FILE.REC	06/25/2020	34757-2446
	NT.CR.APP.PA	06/25/2020	34757-2446

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Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Jon Hee Lee, et al.**	)	Customer No.: **134811**
Serial No.: **16/903,292**	)	Confirmation No.: **2406**
Filing Date: **June 16, 2020**	)	Art Unit: **3636**
For: **REMOVABLE SEAT ATTACHMENT FOR A STROLLER**	)	Examiner: **Not Yet Assigned**
	)	Attorney Docket No.: **34757-2446**

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

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

Dear Commissioner:

Responsive to the Notice to File Corrected Application Papers ("Notice"), dated June 25, 2020, the Applicant submits the enclosed Substitute Specifications, which are in compliance with 37 C.F.R. §§§ 1.52, 1.121(b)(3), and 1.125. The amendments to the Specification do not introduce new matter.

Amendments to the Specification, begin on page 2 of this paper.

Remarks, begin on page 3 of this paper.

ABSTRACT

A stroller is provided with the ability to removably couple and decouple a seat from the stroller as needed. The stroller can include a stroller frame. The stroller can also include one or more front wheels attached to the stroller frame and one or more rear wheels attached to the stroller frame. The stroller can also include a first seat coupled to the stroller frame. The stroller can include first and second seat attachment housings. Each of the seat attachment housings can include a cavity for receiving a corresponding one of the first and second seat attachment adapters. Each of the seat attachment housings can also include a door cover to prevent access to the respective cavity when not in use. The seat attachment adapters can be coupled to the respective seat attachment housings and a second seat can be coupled to the seat attachment adapters.

REMOVABLE SEAT ATTACHMENT FOR A STROLLER

RELATED APPLICATIONS

This application is a continuation of and claims priority under 35 U.S.C. §120 to U.S. Patent Application No. 15/912,901, filed March 6, 2018, which is a continuation of 15/225,326, filed August 1, 2016, and issued as U.S. Patent No. 9,944,305, which claims the benefit of U.S. Application No. 62/311,224, and is a continuation-in-part of U.S. Patent Application No. 14/597,420 , filed January 15, 2015 and issued as U.S. Patent No. 9,403,550, which is a continuation-in-part of U.S. Patent Application No. 14/261,558, filed on April 25, 2014 and issued as U.S. Patent No. 8,955,869, which is a continuation-in-part of U.S. Application No. 12/631,375, which claims the benefit of U.S. Application No. 61/119,920, filed December 4, 2008, the contents of which are all incorporated by reference.

TECHNICAL FIELD

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

BACKGROUND

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

However, permanently fixed double seat strollers also have certain disadvantages. Double seat strollers are substantially larger (wider and/or longer) than single seat strollers and are, therefore, more difficult to maneuver through doorways and down aisles in stores. While, the benefits of being able to accommodate two children at one time in a double seat stroller typically

offset these disadvantages, when the parent or guardian has only one child with them, the benefits of the double seat stroller are not realized but the disadvantages still exist.

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

BRIEF DESCRIPTION OF THE EXAMPLE DRAWINGS

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

Figure 1 presents a side elevation view of a single stroller apparatus according to one example embodiment of the disclosure.

Figure 2 presents a partial side elevation view of a seat attachment to convert a single stroller into a double stroller according to one example embodiment of the disclosure.

Figure 3 presents a side elevation view of a combination of the single stroller of Figure 1 attached to the seat attachment of Figure 2 according to one example embodiment of the disclosure.

Figure 4 presents a perspective view of a seat attachment capable of supporting a car seat on an attachment of Figure 2 according to one example embodiment of the disclosure.

Figure 5 presents a side elevation view of a combination of the single stroller of Figure 1 attached to an attachment in the form of a tricycle-like riding device according to one example embodiment of the disclosure.

Figure 6A presents a view of an accessory attachment for supporting an accessory on a stroller, while Figure 6B presents a view of a bag or purse for attaching to the accessory

attachment of Figure 6A according to one example embodiment of the disclosure.

Figure 7 presents a perspective view of an attachment for supporting a seat comprising one wheel according to one example embodiment of the disclosure.

Figures 8A-H present multiple views of a stroller apparatus capable of being converted from a single seat stroller to a double seat stroller through the use of removable seat attachment adapters according to one example embodiment of the disclosure.

Figure 9 presents a perspective view of one version of a stroller with left and right attachment frame members for attaching a second seat according to one example embodiment of the disclosure.

Figure 10 presents a front elevation view of an attachment frame member according to one example embodiment of the disclosure.

Figure 11 is a partial perspective view of the stroller showing the seat attachment housing according to one example embodiment of the disclosure.

Figure 12 is a partial perspective view of the seat attachment housing according to one example embodiment of the disclosure.

Figures 13A-C are partial perspective views of the removable seat attachment adapter removably coupled to the seat attachment housing according to one example embodiment of the disclosure.

Figures 14A-C are partial perspective views of an alternative embodiment of the seat attachment housing according to another example embodiment of the disclosure.

DETAILED DESCRIPTION OF THE EXAMPLE EMBODIMENTS

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

The example embodiments described herein and shown in the figures is described with reference to an infant or child's stroller that can be configured to adjust from a single seat stroller

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

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

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

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 can include at least one connector portion capable of connecting to a stroller frame and a seat support element capable of supporting a seat.

Figure 1 presents a side elevation view of a single stroller apparatus 10 according to one example embodiment of the disclosure. Referring to Figure 1, it 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 example single stroller 10 includes a frame 12 that supports a seat 13. The frame 12 may optionally include at least one, and in certain embodiments preferably two, folding mechanisms 16 that allow the stroller 10 to be folded to a more convenient size for storing or transporting the stroller 10.

In the example embodiment of Figure 1, 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 of being connected and disconnected by the user of the stroller 10 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. The frame 12 is supported on a pair of back wheels 14 and a pair of front wheels 15. In this example embodiment, the back wheels 14 are fixed and do not swivel or pivot on the frame 12 while the pair of front wheels 15 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 and considered as an option as part of this disclosure. In certain example embodiments, the single stroller 10 does not require pairs of front 15 or rear 14 wheels and either the front pair of wheels 15 or the back pair of wheels 14 may be substituted with

a single wheel. In certain example embodiments, the single stroller 10, including umbrella strollers, jogging strollers, all-terrain strollers, as well as other strollers may only include one front wheel 15.

The example single stroller 10 may also include one or more seat attachments that are capable of converting any style of single stroller to a double stroller, including strollers with one or two front wheels. In one example embodiment, the stroller 10 can include two attachment portions 17. In one example, the attachment portions 17 can be positioned on or near the front of the stroller 10 to allow the seat attachment and the seat to be connected to the front portion of the stroller 10. The attachment portions 17 can 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. While only one seat attachment is shown in Figure 3, the stroller 10 could typically include two seat attachments as shown in Figure 3 or one seat attachment that can include two seat support elements. In certain example embodiments, the stroller 10 can include a left side and a right side attachment portion 17. The seat attachment for the stroller 10 can further include 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. As such, example embodiments of the seat attachment may therefore be used to convert a double stroller into a triple stroller, if desired.

Figure 2 presents a partial side elevation view of a seat attachment to convert a single stroller into a double stroller according to one example embodiment of the disclosure. Now referring to Figures 1 and 2, the example seat attachment 20 is shown in an unlocked and folded configuration. The seat attachment 20 includes a one or more 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 example embodiment, the connector portions 21 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. In other example embodiments, the seat attachment 20 may include more than one wheel 23, one connector portion 21, one seat support element, or combinations of these elements. In example embodiments of the stroller with one wheel, the attachment frame member may be on the forks of the front wheel, for example.

The seat attachment 20 can include 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 can be connected to the seat support element 22. As shown in Figure 2, the seat attachment 20 can include 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 20 to be folded and conveniently stored or transported but is not necessary for all example embodiments of the disclosure. The pivotal connection 27 can be optional and provide more convenience, however, other example embodiments of the seat attachment 20 can include 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 where a stronger seat attachment may be desired, such as with all-terrain or jogging strollers, for example. The wheel support frame 26 may be connected at any point on the attachment frame 24. In certain example embodiments the wheel support frame 26 is connected to the attachment frame 24 near the connector portion 21 or near the middle of the attachment frame 24.

In certain example embodiments, the seat attachment without a wheel may include connector portion 21 or attachment frame member 24, and seat attachment member 22, for example. In this example embodiment, there may be no need for the pivotal connection 27, wheel support frame 26, sliding connector 25, or wheel 23.

The seat attachment 20 can also include a folding mechanism that includes a sliding connector 25 connected to a first end of a strut 28. A second end of the strut 28 can be 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, the 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, certain example embodiments of the seat attachment 20 can also include a locking mechanism 29 that is capable of securing the seat attachment 20 to a stroller, such as stroller 10 shown in Figure 1. The locking mechanism 29 can be engaged by moving the sliding connector 25 to the in-use position, in which the wheel support frame 26 and wheel 23 are extended. In certain example embodiments, the wheel 23 of the seat attachment 20 is pivotally connected to the connector portion 21 and when the wheel 23 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 the stroller 10 may be conveniently used as a single stroller. As designed, the seat attachment 20 may be reconnected to the stroller 10 for use as a double stroller when needed. 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 can include 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, for example. As shown in the example embodiment of Figure 2, the locking mechanism 29 pivots with wheel support frame 26 as the seat 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 24 of the stroller 10 shown in Figure 1. As such, the seat attachment 20 may be attached to the stroller 10 by positioning the attachment (connector) portion 21 of the seat attachment 20 in the slot 18 of the attachment portion 17 of the stroller 10. The sliding connector 25 may be moved to the in-use position, the wheel support frame is moved, and the locking mechanism 29 is positioned into the locking slot 19 of the stroller 10.

In certain example embodiments, the connector portion 21 of the seat attachment 20 has a cylindrical or substantially cylindrical shape. The connector portion 21 may be inserted into a cylindrical or substantially cylindrical slot 18 of the attachment portion 17 of the stroller 10 of Figure 1 to secure the seat attachment and convert the single stroller into a double stroller, as shown in Figure 3. In other example embodiments, the seat attachment 20 may include any type of connector portion having any geometric or non-geometric shape. The connector portion 21 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 10 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 24 of the stroller 10 can have a complimentary and/or cooperating shape that allows the connector portion 21 to be secured to the attachment portion of the stroller.

Figure 3 presents a side elevation view of a combination of the single stroller 10 of Figure 1 attached to the seat attachment 20 of Figure 2 according to one example embodiment of the disclosure. Referring to Figure 3, the seat attachment 20 removably coupled to the single stroller 10 to form 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 22 of the seat attachment 20 may be capable of supporting the front stroller seat 13 in either a forward-facing or backward-facing position.

The example embodiment of the stroller 10 in Figure 3 is shown only as an example of one type of stroller, the frame of the stroller 10 may be any of many possible configurations. Example embodiments of the seat attachment accessory may be configured to be used on any such configuration of a stroller. For example, in another example embodiment, the baby stroller may not include two front wheels, may not include a folding mechanism or may 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 include fixed front wheels, an entirely different frame configuration, or a storage basket underneath the seat of the stroller.

The seat support member may be any configuration capable of supporting the seat on the seat attachment 20. Figure 4 presents another example embodiment of a seat support member 40 for use with a car seat or other baby seat according to one example embodiment of the disclosure. Now referring to Figure 4, the seat support member 40 can include a main support 41. The main support 41 can include a cradle for supporting a central portion of the seat. Another portion of the seat may rest against support bar 42. In this example, the support bar 42 may be adjusted to accommodate seats of different shapes and sizes. The support bar 42 may be slid within the aperture 43 and locked in place when the support bar 42 is in the desired position to support a certain seat. The seat is, therefore, supported on two main supports 41 and the 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.

Figure 5 presents a side elevation view of a combination 50 of the single stroller 10 of Figure 1 attached to an attachment in the form of a tricycle-like riding device according to one example embodiment of the disclosure. Referring to Figure 5, the combination 50 includes the stroller 10 and the seat attachment 51. In one example, the seat attachment 51 is a tricycle-like

attachment that includes a connector portion 52, a frame 53 with a seat support element 56, a seat 57, and a 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 51 may be other shapes also such as cars, trucks, or animal shapes, for example.

In certain example embodiments, the stroller 10 can include an additional accessory attachment portion 58. The accessory attachment portion 58 attaches to a frame member of the 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 the stroller 10.

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 baskets. 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 accessory attachment 58 may be attached to the frame of the stroller 10 by any of the clamping or attachment methods described above, for example. Preferably, the accessory attachment 58 is attached near the center of gravity of the stroller 10 to avoid creating an unbalanced condition of the stroller 10. As shown in Figure 6A, the accessory attachment 58 is connected to stroller frame 12 of stroller 10 near the folding mechanism. Certain example embodiments of the accessory attachment 58 include a first end 61 for connecting to a stroller frame and a distal second end 62 for releasably connecting to the accessory 64. The first end 61 can include an aperture 64 that may be connected to frame 12 of the stroller 10. In certain example embodiments, the aperture 64 is on an angle, such that when the axis of the accessory attachment portion 58 is horizontal or substantially horizontal. The accessory attachment 58 may, optionally, include a rib 63 for securing the accessory 64 to the accessory attachment 58. The rib 63 may be replaced with any other locking element or securing means including a friction fitting, a screwed fitting, or interference fitting, for example.

One example of an accessory 64 for attaching to an accessory attachment 58 is shown in Figure 6B. The accessory 64 in this example is a bag or purse. The accessory 64 can include an attachment portion 65 that is capable of being secured to the attachment portion 62 on the accessory attachment 58. The accessory 64 may be secured on stroller 10 by securing attachment portion 65 to attachment portion 62. The attachment portion 65 can slide over the cylindrical attachment portion 62 of accessory attachment 58. The attachment portion 65 may include an interior annular recess that receives the rib 63 securing the accessory 58 to the stroller 10. The accessory 64 is thus removably coupled 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.

Figure 7 presents a perspective view of an attachment 70 for supporting a seat comprising one wheel 73 according to one example embodiment of the disclosure. Referring now to Figure 7, the example seat attachment 70 can include two seat attachment members 71, two connector portions 72, and a wheel 73. The two seat attachment members 71 and the wheel 73 can be disposed or otherwise positioned in a triangular relationship. In certain example embodiments, the wheel 73 provides additional stability to a stroller 10 connected to the seat attachment 70 if a heavier child is placed in a seat attached to the seat attachment members 71.

Figures 8A-H present multiple views of a stroller apparatus capable of being converted from a single seat stroller to a double seat stroller through the use of removable seat attachment adapters, according to another example embodiment of the disclosure. Referring now to Figures 8A-H, the example stroller apparatus 80 can include a stroller frame 81 capable of supporting one or more stroller seats 85, 86. In one example embodiment, the stroller frame 81 can be made of one or more pieces fixedly coupled and/or removably coupled to one another. The stroller frame 81 can include portions that are hollow tubing and other portions that are solid core tubing and can be made from metal, plastic, or other materials known in the art.

In one example embodiment, the stroller frame 81 can include a pair of front wheel support frames 81a (only the left front wheel support frame is shown), a pair of back wheel support frames 81b (only the left back wheel support frame is shown), a pair of upper tube support frames 81c (only the left upper tube support frame is shown), a handle portion 81d having a first end coupled to the left upper tube support frame 81c and a distal second end coupled to the right upper tube support frame 81c, and foot rest support frame 81f having a first end coupled to the left front wheel

support frame 81a (either directly or via the first seat attachment housing 1105 discussed below in Figure 11) and a distal second end coupled to the right front wheel support frame 81a (either directly of via the second seat attachment housing 1110 discussed below in Figure 11). In certain example embodiments, each front wheel support frame 81a can be fixedly coupled or rotatably coupled to its corresponding upper tube support frame 81c. Further, in certain example embodiments, the left upper tube support frame 81c, handle 81d, and right upper tube support frame 81c can be made from a single unitary piece of material, such as a single piece of bent, hollow-core metal or plastic tubing. Alternatively, each of the left upper tube support frame 81c, handle 81d, and right upper tube support frame 81c can be separate pieces of the same or different material that are coupled to one another.

The exemplary stroller frame 81 can also include a pair of folding mechanisms 81e (only the left folding mechanism is shown). In one example, each folding mechanism 81e can be coupled, either directly or indirectly to the corresponding front wheel support frame 81a, back wheel support frame 81b, and upper tube support frame 81c on the corresponding side (left and right) of the stroller 80. In certain example embodiments, one or more of the corresponding front wheel support frame 81a, back wheel support frame 81b, and upper tube support frame 81c are rotatably coupled and rotatably adjustable about one or more axes defined through the folding mechanism 81e. As such, in certain example embodiments, the folding mechanism 81e allows the stroller 80 to be folded into a more compact size for storing or transportation. Figure 8B shows the stroller 10 in a folded configuration.

The example stroller 80 can also include at least one front wheel 82 coupled directly or indirectly (*e.g.*, via one of the seat attachment housings 1105, 1110, as shown in Figure 11) to the stroller frame 81. Figure 8B presents an example embodiment wherein the stroller 80 can include two front wheels 82, one front wheel 82 being coupled to the stroller 80 adjacent the left front wheel support frame 81a and the second front wheel 82 being coupled to the stroller 80 adjacent the right front wheel support frame 81a. The example stroller 80 can also include at least one rear wheel 83 coupled directly or indirectly to the stroller frame 81 (*e.g.*, a corresponding back wheel support frame 81b). Figure 8B presents an example embodiment wherein the stroller 80 can include two back wheels 83, one back wheel 83 being coupled to the left back wheel support frame 81b and the second back wheel 83 coupled to the right back wheel support frame 81b.

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The stroller 80 can also include a first stroller seat 86 either fixedly or removably coupled to the stroller frame 81. For example, the first stroller seat 86 can include a left connector on the left side of the first stroller seat 86 and a right connector on the right side of the first stroller seat 86 to removably couple and decouple the first stroller seat from the stroller frame 81. In one example, each of the left connector and right connector can be cavities in the first stroller seat 86 and can be configured to receive at least a portion of a corresponding seat attachment adapter (*e.g.*, a bayonet connector) therein. In another example embodiment, the left connector and the right connector can each be tabs or slots that are configured to be coupled to corresponding slots or tabs along the stroller frame 81.

The stroller 80 can also include a removable seat attachment adapter 84 that is removably coupled to the frame 81 such that the seat attachment adapter 84 can be decoupled from the frame 81 and stored when a second stroller seat is not being used with the stroller 80. In one example embodiment, each removable seat attachment adapters can be coupled to the frame by coupling the adapter 84 into a seat attachment housing disposed along the frame 81. In one example, the seat attachment housing (such as that described in Figures 11-14C below) can be integrally formed with all or a portion of the stroller frame (*e.g.*, integrally formed with front wheel support frame 81a). Alternatively, the seat attachment housing can be a separate apparatus that is coupled to the frame 81 or incorporated into the frame 81 by coupling multiple pieces of the frame 81 together. The frame 81 and each seat attachment housing can be made from the same or different materials, including, metals and plastics.

Though it cannot be seen in the side view of Figure 8A, a typical embodiment of the stroller 80 will include at least two removable seat attachment adapters 84 (at least one along each left and right side of the stroller 80 along the stroller frame 81). For example, at least one removable seat attachment adapter can support each lateral side of the second stroller seat 85. In certain example embodiments, each of the removable seat attachment adapters 84 may be made up of one piece or multiple parts. The removable seat attachment adapters 84 may be of any design capable of securely supporting a seat on the stroller. In one example, the removable seat attachment adapter 84 is configured to have a first end that is removably coupled to the frame 81 and/or seat attachment housing and a distal second end that is configured to be removably coupled to a second stroller seat 85. The removable seat attachment adapter 84 is designed to be capable of supporting the

second stroller seat 85 in front of the first stroller seat 86. The stroller 80 may also include a storage basket 87.

In certain examples, each of the removable seat attachment adapters 84 removably couples to the second stroller seat 85 at a vertical height that is substantially below the vertical height that the first stroller seat 86 attaches to the stroller frame 81, thereby positioning the second stroller seat 85 at a vertical position that is substantially below the vertical position of the first stroller seat 86 when both the first stroller seat 86 and the second stroller seat 85 are coupled to the stroller 80. The difference in vertical positioning of the second stroller seat 85 as compared to the first stroller seat 86 provides improved access to the first stroller seat 86 from the front of the stroller 10 when both stroller seats 85, 86 are coupled to the stroller 80. Further, in certain example embodiments, the first stroller seat 85 can be positioned substantially over the front wheels 82 so that the stroller 80 remains stable. For example, the second stroller seat 85 can be located substantially over the front wheels 82 and the first stroller seat 86 can be located substantially over the rear wheels 83. In addition, the seats 85, 86 can be positioned such that the center of gravity of the stroller 80 is between the front 82 and rear 83 wheels.

In certain example embodiments, the removable seat attachment adapter 84 is capable of supporting a second stroller seat 85 such that a child in the second stroller seat 85 is substantially above the frame 81 of the stroller 80 that is substantially adjacent to the connection point of the second stroller seat 85. This positioning of the second stroller seat 85 with respect to the frame 81 provides easier access to the second stroller seat 85, does not block access to the storage basket 87, allows more versatile configurations of the seats 85, 86, allows more variety of seats 85, 86 to be attached to the frame 81, and allows the parent or guardian to more easily monitor and see the child in each stroller seat 85, 86.

The example stroller of Figure 8A can also include the first stroller seat 86. In certain example embodiments, the first stroller seat 86 can be located generally closer to the handle portion 81d than to the front wheels 82. The first stroller seat 86 may be fixedly coupled or removably coupled to the frame 81. In certain example embodiments wherein the first stroller seat 86 is removably coupled to frame 81, the first stroller seat 86 may be adjustable from a forward-facing configuration to a rearward-facing configuration and vice-versa, as shown, for example, in Figures 8B-8C. In addition, the second stroller seat 85, when coupled to the corresponding removable seat

attachment adapters 84, can be adjustable from a forward-facing configuration to a rearward-facing configuration and vice-versa.

Figures 8C-8H present additional examples of combinations for a variety of types of stroller seats that can be removably coupled to the stroller 80. For example, in Figure 8D, the second stroller seat 85 can be replaced by an infant carrier 93 that can be removably coupled to each of the at least two removable seat attachment adapters 84 and the first stroller seat 86 can be coupled to the stroller in a forward-facing position. In another example, as shown in Figure 8E, the first stroller seat 86 can be replaced by a child carrier 91 that may be coupled to the frame 81 and positioned in the first seat position and the second stroller seat 85 can be coupled to the stroller 80 by way of the at least two removable seat attachment adapters 84 in a rearward-facing position. In yet another example, as shown in Figure 8F, the child carrier 91, of Figure 8E, can be replaced with a pram 92 that is removably coupled to the stroller 80 in the first seat position. In still another example configuration, as shown in Figure 8G, two child carriers 91 may be removably coupled to the stroller frame 81. For example, the front child carrier can be coupled to the stroller by way of each of the at least two removable seat attachment adapters 84. In another example configuration, one of the child carriers 91 may be replaced with a pram or bassinet 92, as shown in Figure 8H.

In certain example embodiments, the stroller 80 may also include a second set of removable seat attachment adapters 89 removably coupled to the frame 81 (or another pair of seat attachment housings substantially similar to those 1105, 1110 described below) along the upper tube support frame 81c. The second set of removable seat attachment adapters 89 may be substantially the same as or exactly the same as the removable seat attachment adapters 84 described herein and may be coupled to the frame 81 (or corresponding seat attachment housings) in substantially the same manner as the removable seat attachment adapters 84, as discussed in more detail below. The second set of removable seat attachment adapters 89 can include at least two adapters (at least one along each left and right side of the stroller 80) for removably coupling and decoupling the first stroller seat 86 or any other form of seat described herein to the stroller frame 81 or corresponding seat attachment housing.

In one example embodiment, as shown in Figures 9-10, the stroller 80 can include one or more, and preferably two, seat support elements 84. The seat support element 84 is connected to and can be removably coupled to the stroller 80 front wheel support frame 81a. In certain example

embodiments, the seat support element 84 is adjacent to the front wheel support portion 81a of frame 81. Alternatively, the seat support element 84 is simply forward of and positioned at a vertical level lower than the attachment point for the first stroller seat 86 (Figure 8A) on the stroller 80. The seat support element 84 is capable of supporting a second stroller seat 85 in front of the stroller seat 86 (see Figure 8A). This provides convenience and versatility to a user of the stroller 80. Seat support element 84 may be fixedly attached or removably attached to front wheel support portion 81a. In certain example embodiments, the front seat 85 may be positioned substantially over the front wheels 15 so the stroller 80 remains stable. Preferably, the seats 85, 86 should be positioned such that the center of gravity of the stroller 80 is between the front 15 and rear 14 wheels. If not an additional wheel may be placed on the attachment as previously described. The seat support element 84 can further include a seat connector 88. In one example, the seat connector 88 can be disposed along a top end of the seat support element 84. The example 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 88, 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. As shown in Figure 9, the seat support element 84 can also include a connector portion 21. The connector portion 21 is capable of connecting the seat attachment to the frame 81 via the attachment portion 17 and the slot 18.

In certain example embodiments, the connector portion 21 of the seat attachment 20 has a cylindrical or substantially cylindrical shape. The connector portion 21 may be inserted into a cylindrical or substantially cylindrical slot 18 of the attachment portion 17 of the stroller 80 of Figure 9-10 to secure the seat attachment and convert the single stroller into a double stroller, as shown in Figure 8A. The connector portion 21 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.

Figure 11 is a partial perspective view of the stroller 80 showing a seat attachment housing 1105 according to one example embodiment of the disclosure. Referring now to Figures 8A and 11, the example stroller 80 can include a first seat attachment housing 1105 and the second seat attachment housing 1110. The first seat attachment housing 1105 can include a first end 1105a having a cavity for slidably receiving and fixedly or slidably coupling the first end 1105a to a first end of the left front wheel support frame 81a. For example, the left front wheel support frame 81a

can have a substantially circular or oval cross-section and the cavity of the first end 1105a can have a corresponding circular or oval cross-section to slidably receive a portion of the left front wheel support frame 81a into the cavity. In one example, the left front wheel support frame 81a can be held in the cavity of the first end 1105a by a press fit hold. Alternatively, a spring-loaded button on the left front wheel support frame 81a can be positioned into a corresponding opening along one of the sides of the first seat attachment housing 1105.

The first seat attachment housing 1105 can also include a second end 1105b that includes a second cavity for coupling one of the front wheels 82 to the first seat attachment housing 1105. The wheel 82 may be removably coupled to the second end 1105b of the first seat attachment housing 1105 by a press fit hold. Alternatively, a spring-loaded button 82a on the front wheel apparatus 82 can be positioned into the cavity of the second end 1105b and positioned into a corresponding opening 1115 along one of the sides of the first seat attachment housing 1105. In one example embodiment, the first seat attachment housing 1105 can include an attachment arm 1120 extending off of one side of the first seat attachment housing 1105 in a generally orthogonal direction to the longitudinal axis of the housing 1105. The attachment arm 1120 can include a free end 1105c that includes a cavity for receiving therein and fixedly coupling or slidably coupling the first seat attachment housing 1105 to a first end of the foot rest support frame 81f. The foot rest support frame 81f may be removably coupled to the free end 1105c of the attachment arm 1120 by a press fit hold. Alternatively, a spring-loaded button on the foot rest support frame 81f can be positioned into the cavity of the free end 1105c and positioned into a corresponding opening along one of the sides of the attachment arm 1120.

The second seat attachment housing 1110 can include a first end 1110a having a cavity for slidably receiving and fixedly or slidably coupling the first end 1110a to a first end of the right front wheel support frame 81a. For example, the right front wheel support frame 81a can have a substantially circular or oval cross-section and the cavity of the first end 1110a can have a corresponding circular or oval cross-section to slidably receive a portion of the right front wheel support frame 81a into the cavity. In one example, the right front wheel support frame 81a can be held in the cavity of the first end 1110a by a press fit hold. Alternatively, a spring-loaded button on the right front wheel support frame 81a can be positioned into a corresponding opening along one of the sides of the second seat attachment housing 1110.

The second seat attachment housing 1110 can also include a second end 1110b that includes a second cavity for coupling one of the front wheels 82 to the second seat attachment housing 1110. The wheel 82 may be removably coupled to the second end 1110b of the second seat attachment housing 1110 by a press fit hold. Alternatively, a spring-loaded button on the front wheel apparatus 82 can be positioned into the cavity of the second end 1110b and positioned into a corresponding opening along one of the sides of the second seat attachment housing 1110. In one example embodiment, the second seat attachment housing 1110 can include an attachment arm 1125 extending off of one side of the second seat attachment housing 1110 in a generally orthogonal direction to the longitudinal axis of the housing 1110. The attachment arm 1125 can include a free end 1110c that includes a cavity for receiving therein and fixedly coupling or slidably coupling the second seat attachment housing 1110 to a second distal end of the foot rest support frame 81f. The second end of the foot rest support frame 81f may be removably coupled to the free end 1110c of the attachment arm 1125 by a press fit hold. Alternatively, a spring-loaded button on the foot rest support frame 81f can be positioned into the cavity of the free end 1110c and positioned into a corresponding opening along one of the sides of the attachment arm 1125.

In certain example embodiments, all or a portion of each of the seat attachment housings 1105, 1110 can be hollowed out with exterior sides. Each of the seat attachment housings 1105, 1110 can include an opening 1130 positioned along a top side of the respective seat attachment housings 1105, 1110. The opening 1130 can provide access to an adapter receiving cavity (see Figure 12) for receiving therein at least a portion of the removable seat attachment adapter 84 (see Figure 13A). Each seat attachment housing 1105, 1110 can also include a sliding door 1135. The sliding door 1135 is configured to be manually adjustable from a closed position to an open position by slidably opening the door 1135 along the top side of the seat attachment housing 1105, 1110 to provide access to the opening 1130 and adapter receiving cavity when the parent or guardian wants to insert and couple the removable seat attachment adapter 84 to the seat attachment housing 1105, 1110 and frame 81 in order to couple the second stroller seat 85 to the stroller 80. In one example, each seat attachment housing 1105, 1110 can include one or more rails either disposed above or below a top surface of the seat attachment housing 1105, 1110 that provide a guide way for slidably opening and closing the door 1135. In one example, the door 1135 can include a tab 1140 extending upward from a top surface of the door 1135 to provide a gripping area to grip the door 1135 and slide it open and closed. For example, a parent or guardian

can use a finger against the tab 1140 and apply pressure against the tab 1140 to open the door 1135 from a closed configuration to an open configuration.

The sliding door 1135 is also configured to be manually adjustable from an open configuration to a closed configuration by slidably closing the door 1135 along the top side of the seat attachment housing 1105, 1110 to prevent access to the opening 1130 and adapter receiving cavity when the second stroller seat 85 is not in use. In one example, the parent or guardian can press a finger against the tab 1140 and apply pressure against the tab 1140 to slide the door 1135 from the open configuration to the closed configuration.

Figure 12 is a partial perspective view of one of the seat attachment housings 1105, 1110 according to one example embodiment of the disclosure. Referring now to Figures 8A, 11, and 12, the door 1135 of the seat attachment housing 1105, 1110 is shown having been slid into the open configuration exposing the opening 1130 and the adapter receiving cavity 1205. The adapter receiving cavity 1205 can have any size and shape for removably coupling a portion of a removable seat attachment adapter 84 therein. In one example embodiment, all or a portion of the cross-sectional shape of the adapter receiving cavity 1205 can be keyed or have a keyed shape 1210 and all or a portion of the removable seat attachment adapter 84 can have a corresponding outer perimeter shape such that the removable seat attachment adapter 84 can only be inserted into the adapter receiving cavity 1205 in one, proper orientation.

Figures 13A-C are partial perspective views of the removable seat attachment adapter 84 coupled to the seat attachment housing 1105 according to one example embodiment of the disclosure. Now referring to Figures 8A, 11, 12, and 13A-C, once the door 1135 has been moved into the open configuration exposing the opening 1130 and the adapter receiving cavity 1205, a first end 84a of the removable seat attachment adapter 84 can be inserted into the adapter receiving cavity 1205. In certain example embodiments, the adapter receiving cavity 1205 can include one or more stop flanges 1315, 1320 that extend out from an inner surface of the cavity 1205 and into the cavity area to abut against a bottom side of the first end 84a of the removable seat attachment adapter 84 when the adapter 84 has penetrated a sufficient amount into the adapter receiving cavity 1205. Once the adapter 84 is inserted into the cavity 1205 and removably coupled to the seat attachment housing 1105, a stroller seat can be removable coupled to a seat connector disposed on or adjacent to the second end 84b of the removable seat attachment adapter 84. The seat connector on the second end 84b can be a multipurpose general connector that allows different seats to be

interchangeably connected to the removable seat attachment adapter 84. Any style seat may be configured to connect to the seat connector including, but not limited to, a stroller seat, a baby seat, a bassinet, a pram, a baby carrier, or a car seat, for example.

The removable seat attachment adapter 84 can also include a stop collar 1335 disposed a predetermined distance up from the first end 84a of the adapter 84. In one example embodiment, the stop collar 1335 is sized and shaped so that it will not fit into the opening 1130 and will not fit into the adapter receiving cavity 1205 as the first end 84a of the adapter 84 is being inserted into the adapter receiving cavity 1205. The size and shape of the outer surface of the stop collar 1335, being greater than that of the outer surface of the previous portion of the first end 84a inserted into the adapter receiving cavity 1205 will contact and abut an outer surface of the seat attachment housing 1105 when the adapter 84 has penetrated a sufficient amount into the adapter receiving cavity 1205.

The removable seat attachment adapter 84 can also include a spring-loaded latching tab 1305 disposed along one side of the adapter 84 between the first end 84a and the stop collar 1335. In certain example embodiments, the spring-loaded latching tab 1305 can be spring biased into an extended position (as shown in Figure 13B) via, for example, a spring (not shown). As the adapter 84 is first being inserted into the adapter receiving cavity 1205, the width of the adapter 84 at the point of the spring-loaded latching tab 1305, is greater than the width of the cavity 1205, which causes one or more side walls of the cavity 1205 to apply a force to the spring-loaded latching tab 1305 and push it inward from the extended position towards a retracted position, thereby allowing the first end 84a of the adapter 84 to continue moving into the adapter receiving cavity 1205. When the adapter 84 is inserted into the adapter receiving cavity 1205 a sufficient distance (which can be configurable based on the design specifics on the stroller), the spring-loaded latching tab 1305 can be positioned adjacent a tab receiver 1307. The tab receiver 1307 can be a cut-out or opening along one of the side walls of the cavity 1205 that allows the tab 1305 to move back to the extended position. The tab receiver 1307 can include a tab retainer surface 1310 that abuts a top side of the tab 1305 and prevents the removable seat attachment adapter 84 from being removed from the adapter receiving cavity 1205 while the spring-loaded latch tab 1305 is in the extended position.

The removable seat attachment adapter 84 can also include a tab release button 1330 that is operatively coupled to and configured to move the spring-loaded latching tab 1305 from the extended position to the retracted position via, for example, a guide wire 1325 or other attachment

mechanism. For example, when the removable seat attachment adapter 84 is latched into the seat attachment housing 1105, a parent or guardian can grab the removable seat attachment adapter 84 and depress the tab release button 1330, causing the guide wire to pull the spring-loaded latching tab 1305 inward from the extended position to the retracted position with a force greater than the spring biasing force on the tab 1305 and allowing the parent or guardian to remove the removable seat attachment adapter 84 from the adapter receiving cavity 1205 using only a single hand. Thereby, the ease of decoupling the removable seat attachment adapter 84 from the stroller frame 81 is improved.

In addition, as shown in Figure 13B, in certain example embodiments, the bottom end of the adapter receiving cavity 1205 and corresponding bottom end of the seat attachment housing 1105 can be open 1340 to the environment. Leaving the bottom side of the cavity 1205 open 1340 to the environment helps to prevent liquid and material build-up in the cavity 1205 when the removable seat attachment adapter 84 is not coupled into the cavity 1205 by allowing the liquid and materials to pass through the cavity 1205 and out of the bottom of the seat attachment housing 1105. This is especially beneficial when the parent or guardian removes the removable seat attachment adapter 84 from the cavity 1205 but does slide the door 1135 into the closed position to close up the opening 1130.

Figures 14A-C are partial perspective views of an alternative embodiment of the seat attachment housing 1405, 1410 according to another example embodiment of the disclosure. Referring now to Figures 8A, 11, and 14A-C, the seat attachment housings 1405, 1410 are substantially the same as the seat attachment housings 1105, 1110 described in Figures 11-13C except for as described below. Therefore, the description of the seat attachment housings 1105, 1110 in Figures 11-13C above is incorporated herein for the alternative seat attachment housings 1405, 1410, except with regard to the distinctions described below.

As shown in Figure 14C, each seat attachment housing 1405, 1410 includes an opening or open end 1130 positioned along a top side of the respective seat attachment housings 1405, 1410. The opening 1130 can provide access to an adapter receiving cavity 1205. Each seat attachment housing 1405, 1410 also includes one or more stop flanges 1315, 1320 that extend out from an interior wall 1411 of the cavity 1205 and into the cavity area. In addition, the bottom end of the adapter receiving cavity 1205 and corresponding bottom end of each seat attachment housing

1405, 1410 can have an opening or open end 1340 to the environment and with the cavity 1205 and opening 1130 provides a through-hole 1413 through the seat attachment housing 1405, 1410.

Each seat attachment housing 1405, 1410 can include a rotating door 1415 rotatably coupled to the seat attachment housing 1405, 1410. For example, the rotating door 1415 can have a fixed end that is rotatably coupled to the top side of the seat attachment housing 1405, 1410 or an interior wall 1411 of the opening 1130 or adapter receiving cavity 1205 by way of one or more hinges 1420. Alternatively, other devices may be used to allow the door 1415 to rotate from a closed configuration 1415a to an open configuration 1415b, as shown in Figure 14C. In certain example embodiments, the door 1415 and/or the rotating mechanism or hinge 1420 that the door 1415 is coupled to can be spring-biased into the closed configuration 1415a through the use of a spring or other biasing means. Spring-biasing the door 1415 into a closed configuration 1415a can help to prevent fluids and other material contaminants from entering the adapter receiving cavity 1205 when the removable seat attachment adapter 84 is not coupled into the adapter receiving cavity 1205.

When a parent or guardian wants to add a second stroller seat 85 to the stroller 80, they can insert the removable seat attachment adapter 84 into the adapter receiving cavity 1205 by pressing or applying a force with the first end 84a of the removable seat attachment adapter 84 against the top side of the rotating door 1415 with a force that is greater than the spring-biasing force. This will cause the door 1415 to rotate from the closed configuration 1415a towards the open configuration 1415b and allow the first end 84a of the removable seat attachment adapter to enter into the adapter receiving cavity 1205 and be coupled to the seat attachment housing 1405, 1410.

When the parent or guardian removes the removable seat attachment adapter 84, as described above with regard to Figures 13A-C, as the first end 84a of the removable seat attachment adapter 84 exits the adapter receiving cavity 1205 and opening 1130, the spring-bias of the hinge 1420 or door 1415 will cause the door 1415 to automatically rotate from the open configuration 1415b to the closed configuration 1415a, thereby limiting access to the opening 1130 and the adapter receiving cavity 1205 from the top side of the seat attachment housing 1405, 1410.

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

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

Secrecy Order 37 CFR 5.2:

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

Inventor Information:

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

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

Correspondence Information:

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For further information see 37 CFR 1.33(a).

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

Customer Number	134811		
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Application Information:

Title of the Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER		
Attorney Docket Number	34757-2446	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	18	Suggested Figure for Publication (if any)	

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Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Filing By Reference:

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

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

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

Publication Information:

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

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

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
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Customer Number	134811		

Domestic Benefit/National Stage Information:

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

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	15912901	2018-03-06

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
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Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15912901	Continuation of	15225326	2016-08-01	9944305	2018-04-17
Prior Application Status	Expired				Remove
Application Number	Continuity Type	Prior Application Number		Filing or 371(c) Date (YYYY-MM-DD)	
15225326	Claims benefit of provisional	62311224		2016-03-21	
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15225326	Continuation in part of	14597420	2015-01-15	9403550	2016-08-02
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14597420	Continuation of	14261558	2014-04-25	8955869	2015-02-07
Prior Application Status	Abandoned				Remove
Application Number	Continuity Type	Prior Application Number		Filing or 371(c) Date (YYYY-MM-DD)	
14261558	Continuation of	12633751		2009-12-04	
Prior Application Status	Expired				Remove
Application Number	Continuity Type	Prior Application Number		Filing or 371(c) Date (YYYY-MM-DD)	
12633751	Claims benefit of provisional	61119920		2008-12-04	

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Foreign Priority Information:

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

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

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

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
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Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

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

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

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

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Applicant Information:

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

Applicant 1

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

Clear

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

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

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

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Assignee Information including Non-Applicant Assignee Information:

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

Assignee 1

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

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

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Mailing Address Information For Assignee including Non-Applicant Assignee:

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

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

Signature:

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

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

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

Signature	/Christopher J. Chan/			Date (YYYY-MM-DD)	2020-08-25
First Name	Christopher	Last Name	Chan	Registration Number	44,070

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

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	34757-2446
	Application Number	
Title of Invention	REMOVABLE SEAT ATTACHMENT FOR A STROLLER	

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/225,326 Attorney Docket No. 34757-1526
Filed: August 1, 2016

PARTIES TO THE ASSIGNMENT

Assignor(s):

JON HEE LEE
228 S. Central Ave
Highwood, IL 60040

MEGAN ROE
4029 Heights Lane
Kalamazoo, MI 49008

STACY NOEL SIMPSON
6035 Chablis Lane
Portage, MI 49024

MARK ZEHFUSS
10804 Cherry Hill Drive
Glen Allen, VA 23059

Assignee:

BABY JOGGER, LLC
8575 Magellan Parkway, Suite 1000
Richmond, VA 23227

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled **"REMOVABLE SEAT ATTACHMENT FOR A STROLLER"** (Invention) for which a non-provisional application for United States Letters Patent

☒ was filed on August 1, 2016, and accorded U.S. Application No. 15/225,326 ; or

☐ will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of Sutherland Asbill and Brennan LLP, associated with Customer No. 134811, to insert in the header above and here in

parentheses (U.S. Application No. 15/225,326 , filed August 1, 2016), this application's U.S. application number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the State of Virginia, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any

violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon our heirs, legal representatives, administrators, and assigns.

CORRESPONDENCE ADDRESS

I hereby direct all correspondence and telephone calls in connection with this application be addressed to the number associated with the customer number listed below, which is:

134811

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/225,326
Filed: August 1, 2016

Attorney Docket No. 34757-1526

DECLARATION

As a below named inventor, I hereby declare that this declaration is directed to:

- ☐ the attached application; or
- ☒ United States application number 15/225,326 filed on August 1, 2016; or
- ☐ PCT international application number _____ filed on _____.

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known)

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **JON HEE LEE**

Jon Hee Lee

07/28/16
Date

STATE OF Illinois
ss.
COUNTY OF Cook

This 28 day of July, 2016 before me personally came the above-named **Jon Hee Lee**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

OFFICIAL SEAL
ANTHONY KEITH WINSTON
Notary Public - State of Illinois
My Commission Expires 08/21/2018

37061224.1

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 34757-1526

U.S. Patent Appln. No. 15/225,326
Filed: August 1, 2016

X United States application number 15/225,326 filed on August 1, 2016; or

PCT international application number _____ filed on _____.
(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known)

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **MEGAN ROE**

Megan Roe

07.28.16
Date

STATE OF Michigan
ss.
COUNTY OF Kalamazoo

This 28th day of July, 2016 before me personally came the above-named **Megan Roe**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Diane L. Martin
(Notary Public)

DIANE L. MARTIN, Notary Public
State of Michigan, County of Cass
My Commission Expires 09/18/2022
Acting in the County of Kalamazoo

37061224.1

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 34757-1526

U.S. Patent Appln. No. 15/225,326
Filed: August 1, 2016

DECLARATION

As a below named inventor, I hereby declare that this declaration is directed to:

- ☐ the attached application; or
- ☒ United States application number 15/225,326 filed on August 1, 2016; or
- ☐ PCT international application number _____ filed on _____
  (We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known)

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **STACY NOEL SIMPSON**

Stacy Noel Simpson

7/25/2016
Date

STATE OF
ss.
COUNTY OF

This 25th day of July, 2016 before me personally came the above-named **Stacy Noel Simpson**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Diane L Martin
(Notary Public)

DIANE L. MARTIN, Notary Public
State of Michigan, County of Cass
My Commission Expires 09/16/2022
Acting in the County of Kalamazoo

37061224.1

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/225,326
Filed: August 1, 2016

Attorney Docket No 34757-1526

DECLARATION

As a below named inventor, I hereby declare that this declaration is directed to:

☐ the attached application; or

☒ United States application number 15/225,326 filed on August 1, 2016; or

☐ PCT international application number _____ filed on _____.
(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known)

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: MARK ZEHFUSS

Mark Zehfuss

8/2/16
Date

STATE OF Virginia
ss.
COUNTY OF Henrico

This 2nd day of August, 2016 before me personally came the above-named **Mark Zehfuss**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

DARNELL TREVON TAYLOR
COMMONWEALTH OF VIRGINIA
REG. NO. 7508517 EXP. 8-31-18
NOTARY PUBLIC

Darnell Trevon Taylor
(Notary Public)

37061224.1

Electronic Patent Application Fee Transmittal

Application Number:	16903292
Filing Date:	16-Jun-2020
Title of Invention:	REMOVABLE SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	John Hee LEE
Filer:	Christopher Chan/LaYonda Prue
Attorney Docket Number:	34757-2446

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:				
LATE FILING FEE FOR OATH OR DECLARATION	1051	1	160	160
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**160**

Electronic Acknowledgement Receipt

EFS ID:	40377357
Application Number:	16903292
International Application Number:	
Confirmation Number:	2406
Title of Invention:	REMOVABLE SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	John Hee LEE
Customer Number:	134811
Filer:	Christopher Chan/LaYonda Prue
Filer Authorized By:	Christopher Chan
Attorney Docket Number:	34757-2446
Receipt Date:	25-AUG-2020
Filing Date:	16-JUN-2020
Time Stamp:	15:18:17
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$160
RAM confirmation Number	E20208OF22511814
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	34757-2446_copy_of_Notice.pdf	112016 95b516536c1ff1679b237b846cd401283618ea05	no	2
Warnings:					
Information:					
2		34757-2446_Response_to_Corrected_Application_Papers.pdf	23764 14678797638af5d796ccb102288f7d5aad293a09	yes	3

Multipart Description/PDF files in .zip description

Document Description	Start	End
Applicant Arguments/Remarks Made in an Amendment	3	3
Specification	2	2
Applicant Response to Pre-Exam Formalities Notice	1	1

Warnings:					
Information:					
3		34757-2446_Sub_Spec-marked.pdf	146502 26708a6bfade94bf80dfb13dc38f667e5235a708	yes	24

Multipart Description/PDF files in .zip description

Document Description	Start	End
Abstract	24	24
Specification	1	23

Warnings:					
Information:					

4		34757-2446_Sub_Spec-clean.pdf	143427 562e2120d76b3327f06e07c2cff7b12ae79208a2	yes	23
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Abstract		23	23	
	Specification		1	22	
Warnings:					
Information:					
5	Application Data Sheet	34757-2446_Supplemental_ADS.pdf	246253 b569ab3a34709f1b7274e340fed272439b63902a	no	10
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
6	Oath or Declaration filed	34757-2446_Declaration_as_originally_filed.pdf	445241 174ec1166634990dc4e666cb639187f6510df95e	no	7
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	30314 e6fd2bdec6a9b3e45bd737bb459734f38552b1b3	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1147517		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/903,292	06/16/2020	John Hee LEE	34757-2446

CONFIRMATION NO. 2406

134811
Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309

FORMALITIES LETTER

OC000000117998974

Date Mailed: 06/25/2020

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 excluding claims 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)). Since a preliminary amendment was present on the filing date of the application and such amendment is part of the original disclosure of the application, the substitute specification must include all of the desired changes made in the preliminary amendment. See 37 CFR 1.115 and 1.215.

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.

- Surcharge as set forth in 37 CFR 1.16(f) must be submitted.
  The surcharge is due for any one of:
  - late submission of the basic filing fee, search fee, or examination fee,
  - late submission of inventor's oath or declaration,
  - filing an application that does not contain at least one claim on filing, or
  - submission of an application filed by reference to a previously filed application.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. No entity status discount is in effect. If applicant is qualified for small entity status, a written assertion of small entity status must be submitted to establish small entity status. (See 37 CFR 1.27). 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.)

- $ **160** surcharge.
- $(**0**) previous unapplied payment amount.
- $ **160** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

- A properly executed inventor's oath or declaration has not been received for the following inventor(s) *as named on the application data sheet:*

  John Hee LEE

  An inventor's oath or declaration in compliance with 37 CFR 1.63 or 1.64 executed by or with respect to each inventor must be submitted no later than the date on which the issue fee is paid in response to a notice requiring such fee. See 37 CFR 1.53(f).

  If the name of the inventor provided on the ADS is not correct, applicant must submit a request to correct the inventor name according to 37 CFR 1.48(f), accompanied by the appropriate fee under 37 CFR 1.17(i) and a corrected ADS in compliance with 37 CFR 1.76(c), i.e., identifying the information that is being changed with underlining for insertions, and strike-through or brackets for text removed.

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.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/hyassin/

REMARKS

The Notice to File Corrected Application Papers (hereinafter "Notice") noted that the specification is not in compliance due to a Preliminary Amendment, submitted at the time the application was filed. Substitute Specifications including all amendments, as originally filed are submitted herewith. Attorney for Assignee respectfully requests that the previously filed specification be replaced with the substitute specification submitted with this Response.

The Notice also indicated an issue with the Oath or Declaration of the first inventor, Jon Hee Lee. We are submitting a Supplemental Application Data Sheet (ADS) herewith to correct the typographical error on the originally filed ADS as follows:

~~John~~ Jon Hee Lee

Although no fees are believed to be due, Applicant authorizes the charging of any omitted fees or crediting of any overpayments to Deposit Account No. 19-5029.

Respectfully submitted,

/Christopher J. Chan/

Christopher J. Chan
Attorney for the Applicant
Reg. No. 44,070

Date: **August 25, 2020**

EVERSHEDS SUTHERLAND (US) LLP
999 Peachtree Street NE
Atlanta, Georgia 30309-3996
Telephone: (404) 853-8049
Facsimile: (404) 853-8806

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as set forth in the enclosed Substitute Specification. The amendments do not introduce new matter. No new matter is introduced by way of any of these amendments. A marked-up copy, as well as a clean copy of the Substitute Specification is filed herein.

REMOVABLE SEAT ATTACHMENT FOR A STROLLER

RELATED APPLICATIONS

This application is a continuation of and claims priority under 35 U.S.C. §120 to U.S. Patent Application No. 15/912,901, filed March 6, 2018, which is a continuation of 15/225,326, filed August 1, 2016, ~~and titled "Removable Seat Attachment for a Stroller,"~~and issued as U.S. Patent No. 9,944,305, which claims ~~priority under 35 U.S.C. §119 to~~ the benefit of U.S. ~~Provisional Patent~~ Application No. 62/311,224, ~~filed March 21, 2016, and titled "Removable Seat Attachment for a Stroller," the entire contents of which are hereby incorporated herein by reference for all purposes. This application also claims priority under 35 U.S.C. §120 to U.S. Patent Application No. 15/225,326, which is a continuation-in-part of and claims priority under 35 U.S.C. §120 to~~and is a continuation-in-part of U.S. Patent Application No. 14/597,420 ~~(now U.S. Patent No. 9,403,550)~~, filed [[on]]January 15, 2015 and issued as U.S. Patent No. 9,403,550, which ~~claims priority to~~is a continuation-in-part of U.S. Patent Application No. 14/261,558, ~~(now U.S. Patent No. 8,955,869)~~ filed on April 25, 2014 and issued as U.S. Patent No. 8,955,869, ~~herein by reference for all purposes~~ which is a continuation-in-part of U.S. Application No. 12/631,375, which claims the benefit of U.S. Application No. 61/119,920, filed December 4, 2008, the contents of which are all incorporated by reference.

TECHNICAL FIELD

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

BACKGROUND

Parents or guardians with multiple young children may have difficulty transporting their children from place to place. Children are slow, easily distracted and, therefore, may lag behind. In response, many parents and/or guardians have purchased double seat strollers allowing the parent or guardian to push two children simultaneously and thus allow them to more efficiently

run errands, take walks, or jog. As such, a double seat stroller allows the parent or guardian with multiple young children more freedom than they would have with only a single seat stroller.

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

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

BRIEF DESCRIPTION OF THE EXAMPLE DRAWINGS

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

Figure 1 presents a side elevation view of a single stroller apparatus according to one example embodiment of the disclosure.

Figure 2 presents a partial side elevation view of a seat attachment to convert a single stroller into a double stroller according to one example embodiment of the disclosure.

Figure 3 presents a side elevation view of a combination of the single stroller of Figure 1 attached to the seat attachment of Figure 2 according to one example embodiment of the disclosure.

Figure 4 presents a perspective view of a seat attachment capable of supporting a car seat

on an attachment of Figure 2 according to one example embodiment of the disclosure.

Figure 5 presents a side elevation view of a combination of the single stroller of Figure 1 attached to an attachment in the form of a tricycle-like riding device according to one example embodiment of the disclosure.

Figure 6A presents a view of an accessory attachment for supporting an accessory on a stroller, while Figure 6B presents a view of a bag or purse for attaching to the accessory attachment of Figure 6A according to one example embodiment of the disclosure.

Figure 7 presents a perspective view of an attachment for supporting a seat comprising one wheel according to one example embodiment of the disclosure.

Figures 8A-H present multiple views of a stroller apparatus capable of being converted from a single seat stroller to a double seat stroller through the use of removable seat attachment adapters according to one example embodiment of the disclosure.

Figure 9 presents a perspective view of one version of a stroller with left and right attachment frame members for attaching a second seat according to one example embodiment of the disclosure.

Figure 10 presents a front elevation view of an attachment frame member according to one example embodiment of the disclosure.

Figure 11 is a partial perspective view of the stroller showing the seat attachment housing according to one example embodiment of the disclosure.

Figure 12 is a partial perspective view of the seat attachment housing according to one example embodiment of the disclosure.

Figures 13A-C are partial perspective views of the removable seat attachment adapter removably coupled to the seat attachment housing according to one example embodiment of the disclosure.

Figures 14A-C are partial perspective views of an alternative embodiment of the seat attachment housing according to another example embodiment of the disclosure.

DETAILED DESCRIPTION OF THE EXAMPLE EMBODIMENTS

Example embodiments of the invention now will be described more fully hereinafter with reference to the accompanying drawings, in which example embodiments are shown. The concept disclosed herein may, however, be embodied in many different forms and should not be construed

as limited to the exemplary embodiments set forth herein; rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art. Like numbers refer to like, but not necessarily the same, elements throughout.

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

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

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

parallel" indicates that the parallel relationship is not a strict relationship and does not exclude functionally similar variations therefrom.

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 can include at least one connector portion capable of connecting to a stroller frame and a seat support element capable of supporting a seat.

Figure 1 presents a side elevation view of a single stroller apparatus 10 according to one example embodiment of the disclosure. Referring to Figure 1, it 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 example single stroller 10 includes a frame 12 that supports a seat 13. The frame 12 may optionally include at least one, and in certain embodiments preferably two, folding mechanisms 16 that allow the stroller 10 to be folded to a more convenient size for storing or transporting the stroller 10.

In the example embodiment of Figure 1, 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 of being connected and disconnected by the user of the stroller 10 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. The frame 12 is supported on a pair of back wheels 14 and a pair of front wheels 15. In this

example embodiment, the back wheels 14 are fixed and do not swivel or pivot on the frame 12 while the pair of front wheels 15 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 and considered as an option as part of this disclosure. In certain example embodiments, the single stroller 10 does not require pairs of front 15 or rear 14 wheels and either the front pair of wheels 15 or the back pair of wheels 14 may be substituted with a single wheel. In certain example embodiments, the single stroller 10, including umbrella strollers, jogging strollers, all-terrain strollers, as well as other strollers may only include one front wheel 15.

The example single stroller 10 may also include one or more seat attachments that are capable of converting any style of single stroller to a double stroller, including strollers with one or two front wheels. In one example embodiment, the stroller 10 can include two attachment portions 17. In one example, the attachment portions 17 can be positioned on or near the front of the stroller 10 to allow the seat attachment and the seat to be connected to the front portion of the stroller 10. The attachment portions 17 can 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. While only one seat attachment is shown in Figure 3, the stroller 10 could typically include two seat attachments as shown in Figure 3 or one seat attachment that can include two seat support elements. In certain example embodiments, the stroller 10 can include a left side and a right side attachment portion 17. The seat attachment for the stroller 10 can further include 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. As such, example embodiments of the seat attachment may therefore be used to convert a double stroller into a triple stroller, if desired.

Figure 2 presents a partial side elevation view of a seat attachment to convert a single stroller into a double stroller according to one example embodiment of the disclosure. Now referring to Figures 1 and 2, the example seat attachment 20 is shown in an unlocked and folded configuration. The seat attachment 20 includes a one or more 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 example embodiment, the connector portions 21 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. In other example embodiments, the seat attachment 20 may include more than one wheel 23, one connector portion 21, one seat support element, or combinations of these elements. In example embodiments of the stroller with one wheel, the attachment frame member may be on the forks of the front wheel, for example.

The seat attachment 20 can include 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 can be connected to the seat support element 22. As shown in Figure 2, the seat attachment 20 can include 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 20 to be folded and conveniently stored or transported but is not necessary for all example embodiments of the disclosure. The pivotal connection 27 can be optional and provide more convenience, however, other example embodiments of the seat attachment 20 can include 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 where a stronger seat attachment may be desired, such as with all-terrain or jogging strollers, for example. The wheel support frame 26 may be connected at any point on the attachment frame 24. In certain example embodiments the wheel support frame 26 is connected to the attachment frame 24 near the connector portion 21 or near the middle of the attachment frame 24.

In certain example embodiments, the seat attachment without a wheel may include connector portion 21 or attachment frame member 24, and seat attachment member 22, for example. In this example embodiment, there may be no need for the pivotal connection 27, wheel support frame 26, sliding connector 25, or wheel 23.

The seat attachment 20 can also include a folding mechanism that includes a sliding connector 25 connected to a first end of a strut 28. A second end of the strut 28 can be 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, the 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, certain example embodiments of the seat attachment 20 can also include a locking mechanism [[27]]29 that is capable of securing the seat attachment 20 to a stroller, such as stroller 10 shown in Figure 1. The locking mechanism 29 can be engaged by moving the sliding connector 25 to the in-use position, in which the wheel support frame [[28]]26 and wheel 23 are extended. In certain example embodiments, the wheel 23 of the seat attachment 20 is pivotally connected to the connector portion 21 and when the wheel 23 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 the stroller 10 may be conveniently used as a single stroller. As designed, the seat attachment 20 may be reconnected to the stroller 10 for use as a double stroller when needed. 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 can include 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, for example. As shown in the example embodiment of Figure 2, the locking mechanism 29 pivots with wheel support frame 26 as the seat 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 24 of the stroller 10 shown in Figure 1. As such, the seat attachment 20 may be attached to the stroller 10 by positioning the attachment (connector) portion 21 of the seat attachment 20 in the slot 18 of the attachment portion 17 of the stroller 10. The sliding connector 25 may be moved to the in-use position, the wheel support frame is moved, and the locking mechanism 29 is positioned into the locking slot 19 of the stroller 10.

In certain example embodiments, the connector portion 21 of the seat attachment 20 has a cylindrical or substantially cylindrical shape. The connector portion 21 may be inserted into a cylindrical or substantially cylindrical slot 18 of the attachment portion 17 of the stroller 10 of Figure 1 to secure the seat attachment and convert the single stroller into a double stroller, as shown in Figure 3. In other example embodiments, the seat attachment 20 may include any type of connector portion having any geometric or non-geometric shape. The connector portion 21 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 10 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 24 of the stroller 10 can have a complimentary and/or cooperating shape that allows the connector portion 21 to be secured to the attachment portion of the stroller.

Figure 3 presents a side elevation view of a combination of the single stroller 10 of Figure 1 attached to the seat attachment 20 of Figure 2 according to one example embodiment of the disclosure. Referring [[not]]to Figure 3, the seat attachment 20 removably coupled to the single stroller 10 to form 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 22 of the seat attachment 20 may be capable of supporting the front stroller seat 13 in either a forward-facing or backward-facing position.

The example embodiment of the stroller 10 in Figure 3 is shown only as an example of one type of stroller, the frame of the stroller 10 may be any of many possible configurations. Example embodiments of the seat attachment accessory may be configured to be used on any such configuration of a stroller. For example, in another example embodiment, 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 include fixed front wheels, an entirely different frame configuration, or a storage basket underneath the seat of the stroller.

The seat support member may be any configuration capable of supporting the seat on the seat attachment 20. Figure 4 presents another example embodiment of a seat support member 40 for use with a car seat or other baby seat according to one example embodiment of the disclosure. Now referring to Figure 4, the seat support member 40 can include a main support 41. The main support 41 can include a cradle for supporting a central portion of the seat. Another portion of the seat may rest against support bar 42. In this example, the support bar 42 may be adjusted to accommodate seats of different shapes and sizes. The support bar 42 may be slid within the aperture 43 and locked in place when the support bar 42 is in the desired position to support a certain seat. The seat is, therefore, supported on two main supports 41 and the 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.

Figure 5 presents a side elevation view of a combination 50 of the single stroller 10 of Figure 1 attached to an attachment in the form of a tricycle-like riding device according to one example embodiment of the disclosure. Referring to Figure 5, the combination 50 includes the stroller 10 and the seat attachment 51. In one example, the seat attachment 51 is a tricycle-like attachment that includes a connector portion 52, a frame 53 with a seat support element 56, a seat 57, and a 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 51 may be other shapes also such as cars, trucks, or animal shapes, for example.

In certain example embodiments, the stroller 10 can include an additional accessory attachment portion 58. The accessory attachment portion 58 attaches to a frame member of the 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 the stroller 10.

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 baskets. 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 accessory attachment 58 may be attached to the frame of the stroller 10 by any of the clamping or attachment methods described above, for example. Preferably, the accessory attachment 58 is attached near the center of gravity of the stroller 10 to avoid creating an unbalanced condition of the stroller 10. As shown in Figure 6A, the accessory attachment 58 is connected to stroller frame 12 of stroller 10 near the folding mechanism. Certain example embodiments of the accessory attachment 58 include a first end 61 for connecting to a stroller frame and a distal second end 62 for releasably connecting to the

accessory 64. The first end 61 can include an aperture 64 that may be connected to frame 12 of the stroller 10. In certain example embodiments, the aperture 64 is on an angle, such that when the axis of the accessory attachment portion 58 is horizontal or substantially horizontal. The accessory attachment 58 may, optionally, include a rib 63 for securing the accessory 64 to the accessory attachment 58. The rib 63 may be replaced with any other locking element or securing means including a friction fitting, a screwed fitting, or interference fitting, for example.

One example of an accessory 64 for attaching to an accessory attachment 58 is shown in Figure 6B. The accessory 64 in this example is a bag or purse. The accessory 64 can include an attachment portion 65 that is capable of being secured to the attachment portion 62 on the accessory attachment 58. The accessory 64 may be secured on stroller 10 by securing attachment portion 65 to attachment portion 62. The attachment portion 65 can slide over the cylindrical attachment portion 62 of accessory attachment 58. The attachment portion 65 may include an interior annular recess that receives the rib 63 securing the accessory 58 to the stroller 10. The accessory 64 is thus removably coupled 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.

Figure 7 presents a perspective view of an attachment 70 for supporting a seat comprising one wheel 73 according to one example embodiment of the disclosure. Referring now to Figure 7, the example seat attachment 70 can include two seat attachment members 71, two connector portions 72, and a wheel 73. The two seat attachment members 71 and the wheel 73 can be disposed or otherwise positioned in a triangular relationship. In certain example embodiments, the wheel 73 provides additional stability to a stroller 10 connected to the seat attachment 70 if a heavier child is placed in a seat attached to the seat attachment members 71.

Figures 8A-H present multiple views of a stroller apparatus capable of being converted from a single seat stroller to a double seat stroller through the use of removable seat attachment adapters, according to another example embodiment of the disclosure. Referring now to Figures 8A-H, the example stroller apparatus 80 can include a stroller frame 81 capable of supporting one or more stroller seats 85, 86. In one example embodiment, the stroller frame 81 can be made of one or more pieces fixedly coupled and/or removably coupled to one another. The stroller frame 81 can include portions that are hollow tubing and other portions that are solid core tubing and can be made from metal, plastic, or other materials known in the art.

In one example embodiment, the stroller frame 81 can include a pair of front wheel support frames 81a (only the left front wheel support frame is shown), a pair of back wheel support frames 81b (only the left back wheel support frame is shown), a pair of upper tube support frames 81c (only the left upper tube support frame is shown), a handle portion 81d having a first end coupled to the left upper tube support frame 81c and a distal second end coupled to the right upper tube support frame 81c, and foot rest support frame 81f having a first end coupled to the left front wheel support frame 81a (either directly or via the first seat attachment housing 1105 discussed below in Figure 11) and a distal second end coupled to the right front wheel support frame 81a (either directly of via the second seat attachment housing 1110 discussed below in Figure 11). In certain example embodiments, each front wheel support frame 81a can be fixedly coupled or rotatably coupled to its corresponding upper tube support frame 81c. Further, in certain example embodiments, the left upper tube support frame 81c, handle 81d, and right upper tube support frame 81c can be made from a single unitary piece of material, such as a single piece of bent, hollow-core metal or plastic tubing. Alternatively, each of the left upper tube support frame 81c, handle 81d, and right upper tube support frame 81c can be separate pieces of the same or different material that are coupled to one another.

The exemplary stroller frame 81 can also include a pair of folding mechanisms 81e (only the left folding mechanism is shown). In one example, each folding mechanism 81e can be coupled, either directly or indirectly to the corresponding front wheel support frame 81a, back wheel support frame 81b, and upper tube support frame 81c on the corresponding side (left and right) of the stroller 80. In certain example embodiments, one or more of the corresponding front wheel support frame 81a, back wheel support frame 81b, and upper tube support frame 81c are rotatably coupled and rotatably adjustable about one or more axes defined through the folding mechanism 81e. As such, in certain example embodiments, the folding mechanism 81e allows the stroller 80 to be folded into a more compact size for storing or transportation. Figure 8B shows the stroller 10 in a folded configuration.

The example stroller 80 can also include at least one front wheel 82 coupled directly or indirectly (*e.g.*, via one of the seat attachment housings 1105, 1110, as shown in Figure 11) to the stroller frame 81. Figure 8B presents an example embodiment wherein the stroller 80 can include two front wheels 82, one front wheel 82 being coupled to the stroller 80 adjacent the left front wheel support frame 81a and the second front wheel 82 being coupled to the stroller 80 adjacent

the right front wheel support frame 81a. The example stroller 80 can also include at least one rear wheel 83 coupled directly or indirectly to the stroller frame 81 (*e.g.*, a corresponding back wheel support frame 81b). Figure 8B presents an example embodiment wherein the stroller 80 can include two back wheels 83, one back wheel 83 being coupled to the left back wheel support frame 81b and the second back wheel 83 coupled to the right back wheel support frame 81b.

The stroller 80 can also include a first stroller seat 86 either fixedly or removably coupled to the stroller frame 81. For example, the first stroller seat 86 can include a left connector on the left side of the first stroller seat 86 and a right connector on the right side of the first stroller seat 86 to removably couple and decouple the first stroller seat from the stroller frame 81. In one example, each of the left connector and right connector can be cavities in the first stroller seat 86 and can be configured to receive at least a portion of a corresponding seat attachment adapter (*e.g.*, a bayonet connector) therein. In another example embodiment, the left connector and the right connector can each be tabs or slots that are configured to be coupled to corresponding slots or tabs along the stroller frame 81.

The stroller 80 can also include a removable seat attachment adapter 84 that is removably coupled to the frame 81 such that the seat attachment adapter 84 can be decoupled from the frame 81 and stored when a second stroller seat is not being used with the stroller 80. In one example embodiment, each removable seat attachment adapters can be coupled to the frame by coupling the adapter 84 into a seat attachment housing disposed along the frame 81. In one example, the seat attachment housing (such as that described in Figures 11-14C below) can be integrally formed with all or a portion of the stroller frame (*e.g.*, integrally formed with front wheel support frame 81a). Alternatively, the seat attachment housing can be a separate apparatus that is coupled to the frame 81 or incorporated into the frame 81 by coupling multiple pieces of the frame 81 together. The frame 81 and each seat attachment housing can be made from the same or different materials, including, metals and plastics.

Though it cannot be seen in the side view of Figure 8A, a typical embodiment of the stroller 80 will include at least two removable seat attachment adapters 84 (at least one along each left and right side of the stroller 80 along the stroller frame 81). For example, at least one removable seat attachment adapter can support each lateral side of the second stroller seat 85. In certain example embodiments, each of the removable seat attachment adapters 84 may be made up of one piece or multiple parts. The removable seat attachment adapters 84 may be of any design capable of

securely supporting a seat on the stroller. In one example, the removable seat attachment adapter 84 is configured to have a first end that is removably coupled to the frame 81 and/or seat attachment housing and a distal second end that is configured to be removably coupled to a second stroller seat 85. The removable seat attachment adapter 84 is designed to be capable of supporting the second stroller seat 85 in front of the first stroller seat 86. The stroller 80 may also include a storage basket 87.

In certain examples, each of the removable seat attachment adapters 84 removably couples to the second stroller seat 85 at a vertical height that is substantially below the vertical height that the first stroller seat 86 attaches to the stroller frame 81, thereby positioning the second stroller seat 85 at a vertical position that is substantially below the vertical position of the first stroller seat 86 when both the first stroller seat 86 and the second stroller seat 85 are coupled to the stroller 80. The difference in vertical positioning of the second stroller seat 85 as compared to the first stroller seat 86 provides improved access to the first stroller seat 86 from the front of the stroller 10 when both stroller seats 85, 86 are coupled to the stroller 80. Further, in certain example embodiments, the [[front]]first stroller seat 85 can be positioned substantially over the front wheels 82 so that the stroller 80 remains stable. For example, the second stroller seat 85 can be located substantially over the front wheels 82 and the first stroller seat 86 can be located substantially over the rear wheels 83. In addition, the seats 85, 86 can be positioned such that the center of gravity of the stroller 80 is between the front 82 and rear 83 wheels.

In certain example embodiments, the removable seat attachment adapter 84 is capable of supporting a second stroller seat 85 such that a child in the second stroller seat 85 is substantially above the frame 81 of the stroller 80 that is substantially adjacent to the connection point of the second stroller seat 85. This positioning of the second stroller seat 85 with respect to the frame 81 provides easier access to the second stroller seat 85, does not block access to the storage basket 87, allows more versatile configurations of the seats 85, 86, allows more variety of seats 85, 86 to be attached to the frame 81, and allows the parent or guardian to more easily monitor and see the child in each stroller seat 85, 86.

The example stroller of Figure 8A can also include the first stroller seat 86. In certain example embodiments, the first stroller seat 86 can be located generally closer to the handle portion 81d than to the front wheels 82. The first stroller seat 86 may be fixedly coupled or removably coupled to the frame 81. In certain example embodiments wherein the first stroller seat 86 is

removably coupled to frame 81, the first stroller seat 86 may be adjustable from a forward-facing configuration to a rearward-facing configuration and vice-versa, as shown, for example, in Figures 8B-8C. In addition, the second stroller seat 85, when coupled to the corresponding removable seat attachment adapters 84, can be adjustable from a forward-facing configuration to a rearward-facing configuration and vice-versa.

Figures 8C-8H present additional examples of combinations for a variety of types of stroller seats that can be removably coupled to the stroller 80. For example, in Figure 8D, the second stroller seat [[86]]85 can be replaced by an infant carrier 93 that can be removably coupled to each of the at least two removable seat attachment adapters 84 and the first stroller seat 86 can be coupled to the stroller in a forward-facing position. In another example, as shown in Figure 8E, the first stroller seat 86 can be replaced by a child carrier 91 that may be coupled to the frame 81 and positioned in the first seat position and the second stroller seat 85 can be coupled to the stroller 80 by way of the at least two removable seat attachment adapters 84 in a rearward-facing position. In yet another example, as shown in Figure 8F, the child carrier 91, of Figure 8E, can be replaced with a pram 92 that is removably coupled to the stroller 80 in the first seat position. In still another example configuration, as shown in Figure 8G, two child carriers 91 may be removably coupled to the stroller frame 81. For example, the front child carrier can be coupled to the stroller by way of each of the at least two removable seat attachment adapters 84. In another example configuration, one of the child carriers 91 may be replaced with a pram or bassinet 92, as shown in Figure 8H.

In certain example embodiments, the stroller 80 may also include a second set of removable seat attachment adapters 89 removably coupled to the frame 81 (or another pair of seat attachment housings substantially similar to those 1105, 1110 described below) along the upper tube support frame 81c. The second set of removable seat attachment adapters 89 may be substantially the same as or exactly the same as the removable seat attachment adapters 84 described herein and may be coupled to the frame 81 (or corresponding seat attachment housings) in substantially the same manner as the removable seat attachment adapters 84, as discussed in more detail below. The second set of removable seat attachment adapters 89 can include at least two adapters (at least one along each left and right side of the stroller 80) for removably coupling and decoupling the first stroller seat 86 or any other form of seat described herein to the stroller frame 81 or corresponding seat attachment housing.

In one example embodiment, as shown in Figures 9-10, the stroller 80 can include one or more, and preferably two, seat support elements 84. The seat support element 84 is connected to and can be removably coupled to the stroller 80 front wheel support frame 81a. In certain example embodiments, the seat support element 84 is adjacent to the front wheel support portion 81a of frame 81. Alternatively, the seat support element 84 is simply forward of and positioned at a vertical level lower than the attachment point for the first stroller seat 86 (Figure 8A) on the stroller 80. The seat support element 84 is capable of supporting a second stroller seat 85 in front of the stroller seat 86 (see Figure 8A). This provides convenience and versatility to a user of the stroller 80. Seat support element 84 may be fixedly attached or removably attached to front wheel support portion 81a. In certain example embodiments, the front seat 85 may be positioned substantially over the front wheels 15 so the stroller 80 remains stable. Preferably, the seats 85, 86 should be positioned such that the center of gravity of the stroller 80 is between the front 15 and rear 14 wheels. If not an additional wheel may be placed on the attachment as previously described. The seat support element 84 can further include a seat connector 88. In one example, the seat connector 88 can be disposed along a top end of the seat support element 84. The example 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 88, 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. As shown in Figure 9, the seat support element 84 can also include a connector portion 21. The connector portion 21 is capable of connecting the seat attachment to the frame 81 via the attachment portion 17 and the slot 18.

In certain example embodiments, the connector portion 21 of the seat attachment 20 has a cylindrical or substantially cylindrical shape. The connector portion 21 may be inserted into a cylindrical or substantially cylindrical slot 18 of the attachment portion 17 of the stroller 80 of Figure 9-10 to secure the seat attachment and convert the single stroller into a double stroller, as shown in Figure 8A. The connector portion 21 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.

Figure 11 is a partial perspective view of the stroller 80 showing a seat attachment housing 1105 according to one example embodiment of the disclosure. Referring now to Figures 8A and 11, the example stroller 80 can include a first seat attachment housing 1105 and the second seat

attachment housing 1110. The first seat attachment housing 1105 can include a first end 1105a having a cavity for slidably receiving and fixedly or slidably coupling the first end 1105a to a first end of the left front wheel support frame 81a. For example, the left front wheel support frame 81a can have a substantially circular or oval cross-section and the cavity of the first end 1105a can have a corresponding circular or oval cross-section to slidably receive a portion of the left front wheel support frame 81a into the cavity. In one example, the left front wheel support frame 81a can be held in the cavity of the first end 1105a by a press fit hold. Alternatively, a spring-loaded button on the left front wheel support frame 81a can be positioned into a corresponding opening along one of the sides of the first seat attachment housing 1105.

The first seat attachment housing 1105 can also include a second end 1105b that includes a second cavity for coupling one of the front wheels 82 to the first seat attachment housing 1105. The wheel 82 may be removably coupled to the second end 1105b of the first seat attachment housing 1105 by a press fit hold. Alternatively, a spring-loaded button 82a on the front wheel apparatus 82 can be positioned into the cavity of the second end 1105b and positioned into a corresponding opening 1115 along one of the sides of the first seat attachment housing 1105. In one example embodiment, the first seat attachment housing 1105 can include an attachment arm 1120 extending off of one side of the first seat attachment housing 1105 in a generally orthogonal direction to the longitudinal axis of the housing 1105. The attachment arm 1120 can include a free end 1105c that includes a cavity for receiving therein and fixedly coupling or slidably coupling the first seat attachment housing 1105 to a first end of the foot rest support frame 81f. The foot rest support frame 81f may be removably coupled to the free end 1105c of the attachment arm 1120 by a press fit hold. Alternatively, a spring-loaded button on the foot rest support frame 81f can be positioned into the cavity of the free end 1105c and positioned into a corresponding opening along one of the sides of the attachment arm 1120.

The second seat attachment housing 1110 can include a first end 1110a having a cavity for slidably receiving and fixedly or slidably coupling the first end 1110a to a first end of the right front wheel support frame 81a. For example, the right front wheel support frame 81a can have a substantially circular or oval cross-section and the cavity of the first end 1110a can have a corresponding circular or oval cross-section to slidably receive a portion of the right front wheel support frame 81a into the cavity. In one example, the right front wheel support frame 81a can be held in the cavity of the first end 1110a by a press fit hold. Alternatively, a spring-loaded button

on the right front wheel support frame 81a can be positioned into a corresponding opening along one of the sides of the second seat attachment housing 1110.

The second seat attachment housing 1110 can also include a second end 1110b that includes a second cavity for coupling one of the front wheels 82 to the second seat attachment housing 1110. The wheel 82 may be removably coupled to the second end 1110b of the second seat attachment housing 1110 by a press fit hold. Alternatively, a spring-loaded button on the front wheel apparatus 82 can be positioned into the cavity of the second end 1110b and positioned into a corresponding opening along one of the sides of the second seat attachment housing 1110. In one example embodiment, the second seat attachment housing 1110 can include an attachment arm 1125 extending off of one side of the second seat attachment housing 1110 in a generally orthogonal direction to the longitudinal axis of the housing 1110. The attachment arm 1125 can include a free end 1110c that includes a cavity for receiving therein and fixedly coupling or slidably coupling the second seat attachment housing 1110 to a second distal end of the foot rest support frame 81f. The second end of the foot rest support frame 81f may be removably coupled to the free end 1110c of the attachment arm 1125 by a press fit hold. Alternatively, a spring-loaded button on the foot rest support frame 81f can be positioned into the cavity of the free end 1110c and positioned into a corresponding opening along one of the sides of the attachment arm 1125.

In certain example embodiments, all or a portion of each of the seat attachment housings 1105, 1110 can be hollowed out with exterior sides. Each of the seat attachment housings 1105, 1110 can include an opening 1130 positioned along a top side of the respective seat attachment housings 1105, 1110. The opening 1130 can provide access to an adapter receiving cavity (see Figure 12) for receiving therein at least a portion of the removable seat attachment adapter 84 (see Figure 13A). Each seat attachment housing 1105, 1110 can also include a sliding door 1135. The sliding door 1135 is configured to be manually adjustable from a closed position to an open position by slidably opening the door 1135 along the top side of the seat attachment housing 1105, 1110 to provide access to the opening 1130 and adapter receiving cavity when the parent or guardian wants to insert and couple the removable seat attachment adapter 84 to the seat attachment housing 1105, 1110 and frame 81 in order to couple the second stroller seat 85 to the stroller 80. In one example, each seat attachment housing 1105, 1110 can include one or more rails either disposed above or below a top surface of the seat attachment housing 1105, 1110 that provide a guide way for slidably opening and closing the door 1135. In one example, the door

1135 can include a tab 1140 extending upward from a top surface of the door 1135 to provide a gripping area to grip the door 1135 and slide it open and closed. For example, a parent or guardian can use a finger against the tab 1140 and apply pressure against the tab 1140 to open the door 1135 from a closed configuration to an open configuration.

The sliding door 1135 is also configured to be manually adjustable from an open configuration to a closed configuration by slidably closing the door 1135 along the top side of the seat attachment housing 1105, 1110 to prevent access to the opening 1130 and adapter receiving cavity when the second stroller seat 85 is not in use. In one example, the parent or guardian can press a finger against the tab 1140 and apply pressure against the tab 1140 to slide the door 1135 from the open configuration to the closed configuration.

Figure 12 is a partial perspective view of one of the seat attachment housings 1105, 1110 according to one example embodiment of the disclosure. Referring now to Figures 8A, 11, and 12, the door [[1130]]1135 of the seat attachment housing 1105, 1110 is shown having been slid into the open configuration exposing the opening 1130 and the adapter receiving cavity 1205. The adapter receiving cavity 1205 can have any size and shape for removably coupling a portion of a removable seat attachment adapter 84 therein. In one example embodiment, all or a portion of the cross-sectional shape of the adapter receiving cavity 1205 can be keyed or have a keyed shape 1210 and all or a portion of the removable seat attachment adapter 84 can have a corresponding outer perimeter shape such that the removable seat attachment adapter 84 can only be inserted into the adapter receiving cavity 1205 in one, proper orientation.

Figures 13A-C are partial perspective views of the removable seat attachment adapter 84 coupled to the seat attachment housing 1105 according to one example embodiment of the disclosure. Now referring to Figures 8A, 11, 12, and 13A-C, once the door 1135 has been moved into the open configuration exposing the opening 1130 and the adapter receiving cavity 1205, a first end 84a of the removable seat attachment adapter 84 can be inserted into the adapter receiving cavity 1205. In certain example embodiments, the adapter receiving cavity 1205 can include one or more stop flanges 1315, 1320 that extend out from an inner surface of the cavity 1205 and into the cavity area to abut against a bottom side of the first end 84a of the removable seat attachment adapter 84 when the adapter 84 has penetrated a sufficient amount into the adapter receiving cavity 1205. Once the adapter 84 is inserted into the cavity 1205 and removably coupled to the seat attachment housing 1105, a stroller seat can be removable coupled to a seat connector disposed on

or adjacent to the second end 84b of the removable seat attachment adapter 84. The seat connector on the second end 84b can be a multipurpose general connector that allows different seats to be interchangeably connected to the removable seat attachment adapter 84. Any style seat may be configured to connect to the seat connector including, but not limited to, a stroller seat, a baby seat, a bassinet, a pram, a baby carrier, or a car seat, for example.

The removable seat attachment adapter 84 can also include a stop collar 1335 disposed a predetermined distance up from the first end 84a of the adapter 84. In one example embodiment, the stop collar 1335 is sized and shaped so that it will not fit into the opening 1130 and will not fit into the adapter receiving cavity 1205 as the first end 84a of the adapter 84 is being inserted into the adapter receiving cavity 1205. The size and shape of the outer surface of the stop collar 1335, being greater than that of the outer surface of the previous portion of the first end 84a inserted into the adapter receiving cavity 1205 will contact and abut an outer surface of the seat attachment housing 1105 when the adapter 84 has penetrated a sufficient amount into the adapter receiving cavity 1205.

The removable seat attachment adapter 84 can also include a spring-loaded latching tab 1305 disposed along one side of the adapter 84 between the first end 84a and the stop collar 1335. In certain example embodiments, the spring-loaded latching tab 1305 can be spring biased into an extended position (as shown in Figure 13B) via, for example, a spring (not shown). As the adapter 84 is first being inserted into the adapter receiving cavity 1205, the width of the adapter 84 at the point of the spring-loaded latching tab 1305, is greater than the width of the cavity 1205, which causes one or more side walls of the cavity 1205 to apply a force to the spring-loaded latching tab 1305 and push it inward from the extended position towards a retracted position, thereby allowing the first end 84a of the adapter 84 to continue moving into the adapter receiving cavity 1205. When the adapter 84 is inserted into the adapter receiving cavity 1205 a sufficient distance (which can be configurable based on the design specifics on the stroller), the spring-loaded latching tab 1305 can be positioned adjacent a tab receiver 1307. The tab receiver 1307 can be a cut-out or opening along one of the side walls of the cavity 1205 that allows the tab 1305 to move back to the extended position. The tab receiver 1307 can include a tab retainer surface 1310 that abuts a top side of the tab 1305 and prevents the removable seat attachment adapter 84 from being removed from the adapter receiving cavity 1205 while the spring-loaded latch tab 1305 is in the extended position.

The removable seat attachment adapter 84 can also include a tab release button 1330 that is operatively coupled to and configured to move the spring-loaded latching tab 1305 from the extended position to the retracted position via, for example, a guide wire 1325 or other attachment mechanism. For example, when the removable seat attachment adapter 84 is latched into the seat attachment housing 1105, a parent or guardian can grab the removable seat attachment adapter 84 and depress the tab release button 1330, causing the guide wire to pull the spring-loaded latching tab 1305 inward from the extended position to the retracted position with a force greater than the spring biasing force on the tab 1305 and allowing the parent or guardian to remove the removable seat attachment adapter 84 from the adapter receiving cavity 1205 using only a single hand. Thereby, the ease of decoupling the removable seat attachment adapter 84 from the stroller frame 81 is improved.

In addition, as shown in Figure 13B, in certain example embodiments, the bottom end of the adapter receiving cavity 1205 and corresponding bottom end of the seat attachment housing 1105 can be open 1340 to the environment. Leaving the bottom side of the cavity 1205 open 1340 to the environment helps to prevent liquid and material build-up in the cavity 1205 when the removable seat attachment adapter 84 is not coupled into the cavity 1205 by allowing the liquid and materials to pass through the cavity 1205 and out of the bottom of the seat attachment housing 1105. This is especially beneficial when the parent or guardian removes the removable seat attachment adapter 84 from the cavity 1205 but does slide the door 1135 into the closed position to close up the opening 1130.

Figures 14A-C are partial perspective views of an alternative embodiment of the seat attachment housing 1405, 1410 according to another example embodiment of the disclosure. Referring now to Figures 8A, 11, and 14A-C, the seat attachment housings 1405, 1410 are substantially the same as the seat attachment housings 1105, 1110 described in Figures 11-13C except for as described below. Therefore, the description of the seat attachment housings 1105, 1110 in Figures 11-13C above is incorporated herein for the alternative seat attachment housings 1405, 1410, except with regard to the distinctions described below.

As shown in Figure 14C, each seat attachment housing 1405, 1410 includes an opening or open end 1130 positioned along a top side of the respective seat attachment housings 1405, 1410. The opening 1130 can provide access to an adapter receiving cavity 1205. Each seat attachment housing 1405, 1410 also includes one or more stop flanges 1315, 1320 that extend out from an

interior wall 1411 of the cavity 1205 and into the cavity area. In addition, the bottom end of the adapter receiving cavity 1205 and corresponding bottom end of each seat attachment housing 1405, 1410 can have an opening or open end 1340 to the environment and with the cavity 1205 and opening 1130 provides a through-hole 1413 through the seat attachment housing 1405, 1410.

Each seat attachment housing 1405, 1410 can include a rotating door 1415 rotatably coupled to the seat attachment housing 1405, 1410. For example, the rotating door 1415 can have a fixed end that is rotatably coupled to the top side of the seat attachment housing 1405, 1410 or an interior wall 1411 of the opening 1130 or adapter receiving cavity 1205 by way of one or more hinges 1420. Alternatively, other devices may be used to allow the door 1415 to rotate from a closed configuration 1415a to an open configuration 1415b, as shown in Figure 14C. In certain example embodiments, the door 1415 and/or the rotating mechanism or hinge 1420 that the door 1415 is coupled to can be spring-biased into the closed configuration 1415a through the use of a spring or other biasing means. Spring-biasing the door 1415 into a closed configuration 1415a can help to prevent fluids and other material contaminants from entering the adapter receiving cavity 1205 when the removable seat attachment adapter 84 is not coupled into the adapter receiving cavity 1205.

When a parent or guardian wants to add a second stroller seat 85 to the stroller 80, they can insert the removable seat attachment adapter 84 into the adapter receiving cavity 1205 by pressing or applying a force with the first end 84a of the removable seat attachment adapter 84 against the top side of the rotating door 1415 with a force that is greater than the spring-biasing force. This will cause the door 1415 to rotate from the closed configuration 1415a towards the open configuration 1415b and allow the first end 84a of the removable seat attachment adapter to enter into the adapter receiving cavity 1205 and be coupled to the seat attachment housing 1405, 1410.

When the parent or guardian removes the removable seat attachment adapter 84, as described above with regard to Figures 13A-C, as the first end 84a of the removable seat attachment adapter 84 exits the adapter receiving cavity 1205 and opening 1130, the spring-bias of the hinge 1420 or door 1415 will cause the door 1415 to automatically rotate from the open configuration 1415b to the closed configuration 1415a, thereby limiting access to the opening 1130 and the adapter receiving cavity 1205 from the top side of the seat attachment housing 1405, 1410.

While the above description contains many specifics, these specifics should not be construed as limitations on the scope of the disclosure, but merely as exemplifications of the

disclosed embodiments. Those skilled in the art will envision many other possible variations that are within the scope of the disclosure.

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ABSTRACT

A stroller is provided with the ability to removably couple and decouple a seat from the stroller as needed. The stroller can include a stroller frame. The stroller can also include one or more front wheels attached to the stroller frame and one or more rear wheels attached to the stroller frame. The stroller can also include a first seat coupled to the stroller frame. The stroller can include first and second seat attachment housings. Each of the seat attachment housings can include a cavity for receiving a corresponding one of the first and second seat attachment adapters. Each of the seat attachment housings can also include a door cover to prevent access to the respective cavity when not in use. The seat attachment adapters can be coupled to the respective seat attachment housings and a second seat can be coupled to the seat attachment adapters.

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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.

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REMOVABLE SEAT ATTACHMENT FOR A STROLLER

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297

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and is a CIP of 14/597,420 01/15/2015 PAT 9403550
which is a CON of 14/261,558 04/25/2014 PAT 8955869
which is a CON of 12/633,751 12/08/2009 PAT 8474228
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.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 08/28/2020

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/903,292**

Projected Publication Date: 12/10/2020

Non-Publication Request: No

Early Publication Request: No

Title

REMOVABLE 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

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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).

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/903,292	06/16/2020	Jon Hee LEE	34757-2446

CONFIRMATION NO. 2406

134811
Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309

37 CFR 1.48(f)
ACKNOWLEDGEMENT LETTER

OC00000011950216 8

Date Mailed: 08/31/2020

NOTICE OF ACCEPTANCE OF REQUEST UNDER 37 CFR 1.48(f)

This is in response to the applicant's request under 37 CFR 1.48(f) submitted on 08/25/2020.

The request under 37 CFR 1.48(f) to correct the inventorship, to correct or update the name of an inventor, or to correct the order of names of joint inventors is accepted.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/cvorachack/

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 16/903,292

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	300
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	660
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	760
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*			OR	x 100 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 460 =	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
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1720

APPLICATION AS AMENDED - PART II

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

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT B	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							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.

To: patentdocket@eversheds-sutherland.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 134811

Aug 31, 2020 03:33:00 AM

Dear PAIR Customer:

Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309
UNITED STATES

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Application	Document	Mailroom Date	Attorney Docket No.
16903292	APP.FILE.REC	08/31/2020	34757-2446
	APP.FILE.REC	08/31/2020	34757-2446
	R48.REQ.G	08/31/2020	34757-2446

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/903,292	06/16/2020	Jon Hee LEE	34757-2446

CONFIRMATION NO. 2406

134811
Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309

PUBLICATION NOTICE

OC000000121932115

Title:REMOVABLE SEAT ATTACHMENT FOR A STROLLER

Publication No.US-2020-0385045-A1
Publication Date:12/10/2020

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 Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, 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 https://portal.uspto.gov/pair/PublicPair. 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 Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

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Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 134811

Dec 11, 2020 04:12:30 AM

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Application	Document	Mailroom Date	Attorney Docket No.
16903292	NTC.PUB	12/10/2020	34757-2446

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/903,292	06/16/2020	Jon Hee LEE	34757-2446	2406

134811 7590 08/11/2021

Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309

EXAMINER	
DOLAK, JAMES M	

ART UNIT	PAPER NUMBER
3618	

NOTIFICATION DATE	DELIVERY MODE
08/11/2021	ELECTRONIC

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

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

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

patentdocket@eversheds-sutherland.com

Office Action Summary	Application No. 16/903,292	Applicant(s) LEE et al.	
	Examiner JAMES M DOLAK	Art Unit 3618	AIA (FITF) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

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

Status

1)☑ Responsive to communication(s) filed on 6/16/2020.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

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

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

Disposition of Claims*

5) ☑ Claim(s) 1-20 is/are pending in the application.

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

6) ☐ Claim(s) _____ is/are allowed.

7) ☐ Claim(s) _____ is/are rejected.

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

9) ☑ Claim(s) 1-20 are subject to restriction and/or election requirement

* If any claims have been determined allowable, 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.**

Application Papers

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

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

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

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

Priority under 35 U.S.C. § 119

12)☐ 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)).

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

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☑ Other: Restriction requirement.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

Election/Restrictions

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

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

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

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

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

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

f. **Species F – directed to the embodiment of Fig.8A-8H (stroller apparatus capable of being converted from a single seat stroller to a double seat stroller through the use of removable seat attachment adapters);**

g. **Species G – directed to the embodiment of Fig.9&10 (double seat stroller with two removable seat attachment adapters 84 for first seat and separate upper second seat attachment portion);**

h. **Species H – directed to the embodiment of Fig.11-13C (stroller with seat attachment housing according to one example embodiment of the disclosure and removable seat attachment adapter removably coupled to the seat attachment housing according to one example embodiment of the disclosure);**

i. **Species I – directed to the embodiment of Fig.14A-C (an alternative embodiment of the seat attachment housing according to another example embodiment of the disclosure).**

3. The species are independent or distinct because each of Species A-I are directed to a various different strollers and/or stroller attachments. The related inventions are distinct if: (1) the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect; (2) the inventions do not overlap in scope, i.e., are mutually exclusive; and (3) the inventions as claimed are not obvious variants. See MPEP § 806.05(j). In the instant case, the inventions as claimed are materially different in design. Furthermore, the inventions as claimed do not encompass overlapping subject matter and there is nothing of record to show them to be obvious variants.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species, or a single grouping of patentably indistinct species, for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently,

as best understood, no claims appear generic. However, Applicant is advised to also determine whether any of the claims appear generic to all of the above species.

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

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

The election may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the election of species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected species or grouping of patentably indistinct species.

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

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

Conclusion

4. 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 9-530 EST Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J ALLEN SHRIVER can be reached on 303-297-4337. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/JAMES M DOLAK/
Primary Examiner, Art Unit 3618

To: patentdocket@eversheds-sutherland.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 134811

Aug 11, 2021 03:51:27 AM

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Eversheds Sutherland (US) LLP/NWL
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UNITED STATES

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Application	Document	Mailroom Date	Attorney Docket No.
16903292	CTRS	08/11/2021	34757-2446

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PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Jon Hee Lee, et al.**	)	Customer No.: **134811**
Serial No.: **16/903,292**	)	Confirmation No.: **2406**
Filing Date: **June 16, 2020**	)	Art Unit: **3636**
For: **REMOVABLE SEAT ATTACHMENT FOR A STROLLER**	)	Examiner: **Not Yet Assigned**
	)	Attorney Docket No.: **34757-2446**

AMENDMENT AND RESPONSE TO ELECTION / RESTRICTION REQUIREMENT

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

Dear Commissioner:

Responsive to the Election / Restriction Requirement ("Action"), dated August 11, 2021, the Applicant submits the enclosed Amendment and Response. In light of the amendments and remarks included herein, it is respectfully asserted that all pending claims are patentable, and it is respectfully requested that this application be allowed.

Remarks, begin on page 2.

REMARKS

The Applicant and the undersigned thank the Examiner for the careful review of this application. The application is subject to a restriction requirement imposed in the Office Action dated August 11, 2021.

The Examiner has grouped the claims as follows:

Species A allegedly directed to the embodiment of Fig. 1-3 (single stroller with seat attachment; and

Species B through I.

I. ELECTION

Applicant elects, without traverse, Species A allegedly directed to Figures 1 - 3 to be examined in the present application. Applicant reserves the right to file a divisional application directed to any unelected embodiments at a later date if so desired. Upon entry of this response, original Figures 1 to 14A-14C remain pending and not withdrawn in this application.

CONCLUSION

The foregoing is submitted as a full and complete response to the Election / Restriction Requirement mailed August 11, 2021. Applicant and the undersigned thank the Examiner for the consideration of these amendments and remarks. Applicant has made a proper election in response to the Examiner's restriction requirement.

Respectfully submitted,

/Christopher J. Chan/

Christopher J. Chan
Attorney for the Applicant
Reg. No. 44,070

Date: **October 1, 2021**

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Attorney Docket: **34757-2446**

Electronic Acknowledgement Receipt

EFS ID:	43932428
Application Number:	16903292
International Application Number:	
Confirmation Number:	2406
Title of Invention:	REMOVABLE SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Jon Hee LEE
Customer Number:	134811
Filer:	Christopher Chan/Tiffany Jessup
Filer Authorized By:	Christopher Chan
Attorney Docket Number:	34757-2446
Receipt Date:	01-OCT-2021
Filing Date:	16-JUN-2020
Time Stamp:	20:49:11
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		34757-2446-Response_to_Restriction_Requirement.pdf	103583 dc241ff7b47a6deb69247fffc02b62fa39894126	yes	3

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Response to Election / Restriction Filed	1	1
	Applicant Arguments/Remarks Made in an Amendment	2	3
Warnings:			
Information:			
	Total Files Size (in bytes):	103583	

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/903,292	06/16/2020	Jon Hee LEE	34757-2446	2406

134811 7590 10/21/2021

Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
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EXAMINER	
DOLAK, JAMES M	

ART UNIT	PAPER NUMBER
3618	

NOTIFICATION DATE	DELIVERY MODE
10/21/2021	ELECTRONIC

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

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

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

patentdocket@eversheds-sutherland.com

Office Action Summary	Application No. 16/903,292	Applicant(s) LEE et al.	
	Examiner JAMES M DOLAK	Art Unit 3618	AIA (FITF) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

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

Status

1)☑ Responsive to communication(s) filed on 10/01/2021.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

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

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

Disposition of Claims*

5) ☑ Claim(s) 1-20 is/are pending in the application.

5a) Of the above claim(s) 8,10-12 and 14-20 is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-7,9 and 13 is/are rejected.

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

9) ☑ Claim(s) 1-20 are subject to restriction and/or election requirement

* If any claims have been determined allowable, 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.**

Application Papers

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

11)☑ The drawing(s) filed on 3/27/2020 is/are: a)☐ accepted or b)☑ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

12)☐ 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)).

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

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

Election/Restrictions

2. Applicant's election without traverse of Species A (Fig.1-3) in the reply filed on 10/01/2021 is acknowledged.

3. Claims 8, 10-12, and 14-20 (Species F – Fig.8A-8H) are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected embodiment, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 10/01/2021.

Drawings

4. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "22" has been used to designate both "seat support element" [P0034] and "seat attachment element" [P0031] and "13" has been used to designate both "first seat" [Claim 1] and "second seat" [Claim 3/6]. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner,

the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

5. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "at least one front/back wheel" (Claim 1 – claims therefore provide for a stroller with one front wheel however this option is not portrayed in Figures as filed and elected) and similarly all of the elements listed below must be shown and labeled on the elected embodiment of Fig.1-3, or the feature(s) canceled from the claim(s) (No new matter should be entered):

a. Claim 1: **a first seat attachment housing** coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical position; **a second seat attachment housing** coupled to the stroller frame at a third vertical position of the stroller frame that is below the first vertical position; wherein **a first seat attachment adapter** is configured to be removably coupled to the first seat attachment housing and wherein **a second seat attachment adapter** is configured to be removably coupled to the second seat attachment housing

b. Claim 2: the first seat attachment adapter removably coupled to the first seat attachment housing; and the second seat attachment adapter removably coupled to the second seat attachment housing

c. Claim 3: **a second seat** removably coupled to the first seat attachment adapter and the second seat attachment adapter

d. Claim 4: wherein each of the first seat attachment adapter and the second seat attachment adapter has **a first end and a distal second end**

e. Claim 5: wherein the first end comprises **a connector portion** and is releasably connected to one of the first seat attachment housing and the second seat attachment housing.

f. Claim 6: wherein the second end is releasably connected to a second seat

g. Claim 7: wherein the first seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat, a second car seat, a second stroller seat, a second bassinet, a second baby carrier, or a second pram.

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

Claim Rejections - 35 USC § 112

6. The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 1-7, 9, and 13 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention. The claims recite the open-ended clause "configured to rotate" and “configured to hold” (Claim 1), which renders the claim indefinite, since it's not clear whether the claimed "rotating/holding" is actually taking place or not. It has been held that the open-ended recitations stating that an element is capable to perform a function (e.g., "configured to", "adapted to", etc.) are not the positive limitations but only require the ability to so perform. They do not constitute a limitation in any patentable sense. See In re Hutchinson, 69 USPQ 138. Just because something is "configured to" do something (i.e. is "capable of" doing something), doesn't actually mean it does it. "[A]pparatus claims cover what a device is, not what a device does." Hewlett-Packard Co. v.Bausch & Lomb Inc., 909 F.2d 1464, 1469, 15 USPQ2d 1525, 1528 (Fed. Cir. 1990) (emphasis in original). The Office hereby notes that "configured to" does not explicitly denote how features(s) are constructed and/or associated with other claimed limitations; whereas the claim is amenable to two or more plausible claim constructions. If a claim is amenable to two or more plausible claim

constructions, then the claim may be deemed indefinite. See Ex parte Miyazaki, 89 USPQ2d 1207 (Bd. Pat. App. & Inter. 2008) (precedential). Applicant is required to use definitive and positive statements while reciting the structure and functions of the claimed apparatus (e.g. "a locking arm chamfer [that is configured to engage] -- engaging-- the lock pin chamfer"). Appropriate correction is required.

Claim Rejections - 35 USC § 102

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

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

9. **Claims 1-5, 7, 9, and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Cheng (US 7,475,900 B2)**.

[Claim 1] Regarding Claim 1, Cheng discloses: A stroller (See, e.g., Fig. 4-8), comprising:

a stroller frame (See, e.g., Fig. 4-8, 3+4+5+10+etc.); a plurality of wheels (See, e.g., Fig. 4-8, 33+34) comprising at least one front wheel (See, e.g., Fig. 4-8, 33) and a plurality of back wheels (See, e.g., Fig. 4-8, 34); a first seat (See, e.g., Fig. 4-8, 72) coupled to the stroller frame at a first vertical position of the stroller frame (See, e.g., Fig. 4-8) and configured to hold a first child in the stroller (See, e.g., Fig. 4-8); a first seat attachment housing (See, e.g., Fig. 4-8, 410) coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical position (See, e.g., Fig. 4-8); a second seat attachment housing (See, e.g., Fig. 4-8, 410) coupled to the stroller frame at a third vertical position of the stroller frame that is below the first

vertical position (See, e.g., Fig. 4-8); wherein a first seat attachment adapter (See, e.g., Fig. 4-8, 71) is configured to be removably coupled to the first seat attachment housing (See, e.g., Fig. 4-8) and wherein a second seat attachment adapter (See, e.g., Fig. 4-8, 71) is configured to be removably coupled to the second seat attachment housing (See, e.g., Fig. 4-8).

[Claim 2] Regarding Claim 2, Cheng discloses: further comprising: the first seat attachment adapter removably coupled to the first seat attachment housing (See, e.g., Fig. 4-8); and the second seat attachment adapter removably coupled to the second seat attachment housing (See, e.g., Fig. 4-8).

[Claim 3] Regarding Claim 3, Cheng discloses: further comprising a second seat (See, e.g., Fig. 4-8, 71) removably coupled to the first seat attachment adapter and the second seat attachment adapter (See, e.g., Fig. 4-8).

[Claim 4] Regarding Claim 4, Cheng discloses: wherein each of the first seat attachment adapter and the second seat attachment adapter has a first end and a distal second end (See, e.g., Fig. 4-8, 71).

[Claim 5] Regarding Claim 5, Cheng discloses: wherein the first end comprises a connector portion (See, e.g., Fig. 4-8, 71) and is releasably connected to one of the first seat attachment housing and the second seat attachment housing (See, e.g., Fig. 4-8).

[Claim 7] Regarding Claim 7, Cheng discloses: wherein the first seat is one of a baby seat (See, e.g., Fig. 4-8, 71), a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat (See, e.g., Fig. 4-8, 72), a second car seat, a second stroller seat, a second bassinet, a second baby carrier, or a second pram.

[Claim 9] Regarding Claim 9, Cheng discloses: wherein the second vertical position and the third vertical position are at a same vertical height (See, e.g., Fig. 4-8).

[Claim 13] Regarding Claim 13, Cheng discloses: wherein the first seat attachment housing and the second seat attachment housing are part of the stroller frame (See, e.g., Fig. 4-8).

Claim Rejections - 35 USC § 103

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

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

11. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under pre-AIA 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

12. This application currently names joint inventors. In considering patentability of the claims under pre-AIA 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was

not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of pre-AIA 35 U.S.C. 103(c) and potential pre-AIA 35 U.S.C. 102(e), (f) or (g) prior art under pre-AIA 35 U.S.C. 103(a).

13. **Claim 6 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Cheng and further in view of Cone, II al. (US 6,286,844 B1)**.

[Claim 6] Regarding Claim 6 Cheng fails to explicitly teach: wherein the distal second end is releasably connected to the second seat.

However, Cone teaches a similar seat attachment (See, e.g., Cone: Fig. 1 -13) for a stroller (See, e.g., Cone: Fig. 1 -13, 214) with seat attachment adapters (See, e.g., Cone: Fig.1-13, 250) having a first end connected to the stroller frame and a second end releasably coupled to a seat (See, e.g., Cone: Fig.1-13, 12).

Cone teaches that it is well known in the art of stroller seat design to provide a seat attachment adapters that releasably connect to a seat and a stroller frame. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide the system taught by Cheng with a seat attachment adapter that has a distal second end that is releasably connected to the seat such as taught by Cone, for the purpose of conveniently and beneficially allowing a user to disassemble the system easily (e.g., by disconnecting the seat from the stroller with or without the adapter still connected to the seat), and additionally presenting a seat that can be connected to a separate stroller or similar baby system (e.g., car base, highchair base, etc.). Moreover, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., KSR Int'l Co. v. Teleflex Inc., 550 U.S. 398,416 (2007)).

Conclusion

14. 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 9-530 EST Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J ALLEN SHRIVER can be reached on 303-297-4337. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/JAMES M DOLAK/
Primary Examiner, Art Unit 3618.

Notice of References Cited	Application/Control No. 16/903,292	Applicant(s)/Patent Under Reexamination LEE et al.	
	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	CPC Classification	US Classification
*	A	US-7475900-B2	01-2009	Cheng; Huang-Yi	B62B7/08	280/47.38
*	B	US-D593459-S	06-2009	Liao; Gordon		D12/129
*	C	US-6286844-B1	09-2001	Cone, II; Richard E.	B62B9/28	280/47.41
*	D	US-10556610-B2	02-2020	Rolicki; Peter	B62B9/02	1/1
*	E	US-10449987-B2	10-2019	Gibson; Bryce	B62B7/06	1/1
*	F	US-6513827-B1	02-2003	Barenbrug; Machiel Gerardus Theodorus Marie	B62B7/145	280/648
*	G	US-7377537-B2	05-2008	Li; Wei-Yeh	B62B7/123	280/47.38
*	H	US-10899377-B2	01-2021	Eggert-Crowe; Colin F.	B62B7/14	1/1
*	I	US-8602441-B2	12-2013	Li; Jian-Qun	B62B9/28	280/642
*	J	US-6267406-B1	07-2001	Huang; Mien Chen	B62B7/08	280/47.38
*	K	US-11091186-B2	08-2021	Zhang; Xiaojian	B62B7/062	1/1
*	L	US-8313115-B2	11-2012	Cheng; Kenny	B62B7/142	280/47.38
*	M	US-7971897-B2	07-2011	Pike; Robert T.	B62B7/123	280/650

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/903,292	LEE et al.
	Examiner	Art Unit
	JAMES M DOLAK	3618

CPC - Searched*		
Symbol	Date	Examiner
B62B7/008,00,006,14,142,145	10/14/2021	JMD
B62B9/12,28,102	10/14/2021	JMD

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Inventor & Assignee Search	10/13/2021	JMD
Text search	10/15/2021	JMD

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/JAMES M DOLAK/ Primary Examiner.Art Unit 3618	/JAMES M DOLAK/ Primary Examiner, Art Unit 3618

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/903,292	LEE et al.
	Examiner	Art Unit
	JAMES M DOLAK	3618

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

CLAIMS

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

CLAIM		DATE								
Final	Original	10/14/2021								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	N								
	9	✓								
	10	N								
	11	N								
	12	N								
	13	✓								
	14	N								
	15	N								
	16	N								
	17	N								
	18	N								
	19	N								
	20	N								

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	0	("20100140902").PN.	(USPAT; USOCR)	OR	ON	ON	2011/11/10 05:53 PM
L2	1	("20100140902").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2011/11/10 05:55 PM
L3	4	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/21 11:03 AM
L4	8	("20030025304"|"20070001429"|"20070114738"|"5338096").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/21 11:10 AM
L5	15	("3223431" | "3915493" | "3917312" | "4886209" | "5184835").PN. OR ("5338096").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/21 11:19 AM
L6	1	("7320471").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/21 11:26 AM
L7	3	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/21 11:26 AM
L8	2837	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/27 03:43 PM
L9	37502244	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:43 PM
L10	1861	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:44 PM
L11	1537	L10 and seat	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:44 PM
L12	827	L10 and (seat same attach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:44 PM
L13	427	L10 and (seat near2 attach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:44 PM
L14	51	L10 and (seat near2 (attach$4 and convert$4))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:46 PM
L15	2446	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 07:10 PM
L16	37502315	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 07:17 PM
L17	1076	L15 and L16	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 07:17 PM

L18	2837	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 07:17 PM
L19	1861	L18 and L16	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 07:17 PM
L20	35	L17 and L19	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 07:17 PM
L21	2902	L17 or L19	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 07:20 PM
L22	2446	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:15 PM
L23	37502315	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:15 PM
L24	1076	L22 and L23	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:15 PM
L25	2837	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:15 PM
L26	1861	L25 and L23	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:15 PM
L27	2902	L24 or L26	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:15 PM
L28	657	L27 and ((wheel and seat) same attach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:15 PM
L29	1	("6209892").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:16 PM
L30	44	("3829113" | "4729572" | "4768795" | "4861105" | "5056865" | "5076599" | "5146656" | "5322343" | "5676386" | "5727798" | "5820144" | "5887889").PN. OR ("6209892").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:16 PM
L31	115	L28 and expand$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:20 PM
L32	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	ON	2012/06/28 11:22 PM
L33	33	("2769482" | "2857953"	(US-PGPUB; USPAT;	OR	ON	ON	2012/06/28

		| "2993702" | "3235279" | "3309101" | "3330575" | "3738700" | "4725071" | "5018754" | "5263730" | "5338096" | "5417449" | "5653460" | "5664795" | "5911432" | "6045145" | "6068087" | "6378892" | "D321850" | "D359937").PN. OR ("6676140").URPN.	USOCR)				11:24 PM
L34	16	("1560802" | "5076579" | "5123670" | "5188389" | "5224720" | "5301963" | "5476275" | "5669624" | "5695208" | "6017051" | "6036220").PN. OR ("6443467").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:25 PM
L35	15	("1707186").URPN.	(USPAT)	OR	ON	ON	2012/06/28 11:28 PM
L36	14	("20030111825" | "5333893" | "6209892" | "6513827" | "6863286" | "7032922" | "7367581" | "7377537" | "D429664" | "D430076").PN. OR ("7475900").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:31 PM
L37	44	L31 and (wheel near2 remov$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:35 PM
L38	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	ON	2012/06/28 11:36 PM
L39	20	("4725071" | "5221106" | "5338096" | "5522121" | "5918892" | "6209892" | "6267406" | "6527294" | "D296540").PN. OR ("6752405").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:46 PM
L40	15	("0522608" | "1707186" | "3223431" | "3524655" | "3997180" | "4620686" | "4632409" | "4836573" | "6267406" | "6752405" | "7364183").PN. OR ("8157273").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:48 PM

L41	30	("0556168" | "1707186" | "1934396" | "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.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:49 PM
L42	13	("3000645" | "4969656" | "5125712" | "5522121" | "5918892" | "6527294" | "6561526" | "6715783" | "6752405" | "6851693" | "6938906").PN. OR ("7677585").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:50 PM
L43	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	ON	2012/06/28 11:51 PM
L44	9	("3000645").URPN.	(USPAT)	OR	ON	ON	2012/06/28 11:55 PM
L45	1	("6702316").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/29 12:04 AM
L46	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	ON	2012/06/29 12:04 AM

L47	2446	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:43 AM
L48	37502608	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 04:43 AM
L49	1076	L47 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 04:43 AM
L50	2837	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:43 AM
L51	1861	L50 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 04:43 AM
L52	2902	L49 or L51	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 04:43 AM
L53	476	L52 and cylindrical	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 04:43 AM
L54	21	L52 and cylindrical near2 connect$3	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 05:05 AM
L55	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	ON	2012/07/01 05:10 AM
L56	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	ON	2012/07/01 05:17 AM
L57	36	("1486118" | "2769482" | "2993702" | "3253860" | "3497234" | "3612603" | "4155588" | "4181356" | "4288124" | "4381870"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 05:18 AM

		| "4596405" | "4632409" | "4711489" | "4813742" | "4946180" | "5161811" | "5201535" | "5213360" | "5374073" | "5401076" | "5547205" | "5848797" | "5988657" | "6135479" | "6276709" | "D340140").PN. OR ("6561526").URPN.					
L58	18	("2926880" | "3290050" | "3309101" | "4183580" | "4711489" | "4779883" | "5074616" | "5168601" | "5265931" | "5401076" | "5529325").PN. OR ("5704627").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 05:21 AM
L59	23	("4542915" | "4854607" | "4986564" | "5033761").PN. OR ("5653460").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 05:22 AM
L60	31	("2453631" | "2558372" | "4953887" | "5090724" | "5380262" | "5653460" | "5676386").PN. OR ("6155592").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 05:25 AM
L61	5	("2453631").URPN.	(USPAT)	OR	ON	ON	2012/07/01 05:27 AM
L62	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	ON	2012/07/01 05:28 AM
L63	5	("2453631").URPN.	(USPAT)	OR	ON	ON	2012/07/01 05:29 AM
L64	16	("1560802" | "5076579" | "5123670" | "5188389" | "5224720" | "5301963" | "5476275" | "5669624" | "5695208" | "6017051" | "6036220").PN. OR ("6443467").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 05:33 AM
L65	1	("7677585").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 03:09 PM
L66	1	("6676140").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:02 PM
L67	1	("6443467").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:05 PM

L68	2	("1707186").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:05 PM
L69	1	("7475900").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:05 PM
L70	1	("6752405").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:14 PM
L71	1	("8157273").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:14 PM
L72	1	("7896384").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:15 PM
L73	1	("6561526").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:16 PM
L74	1	("5653460").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:17 PM
L75	2925	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/13 05:32 PM
L76	37571828	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/02/13 05:32 PM
L77	1873	L75 and L76	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/02/13 05:32 PM
L78	2516	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/13 05:35 PM
L79	35	L78 and L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/02/13 05:36 PM
L80	1080	L78 and L76	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/02/13 05:36 PM
L81	1	("20050082897").PN. OR ("8246020").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/13 05:44 PM
L82	9	("20070085303" | "20080303232" | "20090033066" | "3784252" | "5257799" | "5794951" | "6086086" | "7367581" | "7377537").PN. OR ("8205906").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/13 05:52 PM
L83	31	("20010002745" | "20030067138" | "20050099025" | "20060237932" | "20070063474" | "20080067776" | "20090026817" | "2450051" | "4754987" | "5076599" | "5267744" | "5454577" | "5474316" | "5577746" | "5921571" | "5947497" | "5979921" | "6196572" | "6663126" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/13 05:58 PM

		"6764087" | "6767028" | "6929274" | "6976697" | "7052026" | "7168761" | "7172206" | "7354058" | "7431324" | "7445222" | "7547029").PN. OR ("8262103").URPN.					
L84	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	ON	2013/02/13 06:03 PM
L85	1	("8251382").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/14 03:15 PM
L86	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	ON	2013/02/14 03:19 PM
L87	32	("4836573" | "4892327" | "5028061" | "5069474" | "5257799" | "5460430" | "5887935" | "5921574" | "6099022" | "6523853" | "6594840" | "6739649" | "7281732").PN. OR ("7377537").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/14 05:50 PM
L88	57	("20020093177" |	(US-PGPUB; USPAT;	OR	ON	ON	2013/02/14

		"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.	USOCR)				05:52 PM
L89	3003	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/16 03:09 PM
L90	37602504	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/07/16 03:09 PM
L91	1876	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/07/16 03:09 PM
L92	2544	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/16 03:11 PM
L93	1082	L92 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/07/16 03:11 PM
L94	51	(US-20100052277-$ or US-20070114738-$ or US-20070001429-$ or US-20060290107-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 03:10 PM

		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.					
L95	26	("20060131841"|"20070069505"|"20070210560"|"20080012268"|"20080224450"|"20080224451"|"20090160162"|"20100171289"|"20100201103"|"5947555"|"6045145"|"6270111"|"6331032"|"6715783"|"7032922"|"7367581"|"7475900"|"7677585"|"7753398"|"77	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 03:16 PM

		75532"|"7798500"|"7938435"|"8061732"|"8128119"|"8157273"|"8205906").PN.					
L96	1	("8240700").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2013/07/23 03:17 PM
L97	231	("1598778" | "1709527" | "20050012306" | "20050242549" | "20060001226" | "20060131840" | "20060131841" | "20060152059" | "20060157945" | "20060219374" | "20060261576" | "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" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 03:17 PM

		"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.					
L98	1	("8186705").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 04:51 PM
L99	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" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 04:56 PM

		"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" | "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"				

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L100	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	ON	2013/07/23 05:08 PM
L101	2	("4953667"|"4257729").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:00 PM
L102	1	("6168174").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:04 PM
L103	1	("6209892").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:04 PM
L104	1	("6296260").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:18 PM
L105	1	("6203053").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:19 PM
L106	1	("4681330").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:20 PM
L107	1	("5685552").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:21 PM
L108	1	("5984326").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:21 PM
L109	1	("6168174").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:22 PM
L110	1	("6209892").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2013/07/24

			USOCR)				01:22 PM
L111	6	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:25 PM
L112	23	("4657269" | "4836573" | "5184835" | "5338096" | "5664795" | "5911432").PN. OR ("6045145").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:26 PM
L113	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	ON	2013/07/24 04:08 PM
L114	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	ON	2013/07/24 04:13 PM
L115	26	("4790548" | "5060967" | "5366274" | "5727848" | "5975225" | "6203054" | "6513827" | "7234722").PN. OR ("7367581").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 06:30 PM
L116	23	("4657269" | "4836573" | "5184835" | "5338096"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 06:39 PM

		| "5664795" | "5911432").PN. OR ("6045145").URPN.					
L117	55	("4736959" | "4743063" | "4872692" | "4878680" | "5201535" | "5676386").PN. OR ("5947555").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 10:09 AM
L118	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	ON	2013/07/25 11:03 AM
L119	25	("4570956" | "4836573" | "4921261" | "4946180" | "5121940" | "5188380" | "5676386" | "5772279" | "5947555" | "6070890" | "6155592" | "6286844" | "6398233" | "6409205" | "6478327" | "D345720").PN. OR ("6641164").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 11:28 AM
L120	2	("3000645").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:26 PM
L121	9	("3000645").URPN.	(USPAT)	OR	ON	ON	2013/07/25 03:27 PM
L122	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	ON	2013/07/25 03:29 PM
L123	1	("8029007").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2013/07/25 03:30 PM
L124	28	("20010033069" | "20020135142" | "20030025304" | "20030127835" | "20040164510" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:31 PM

		"20070090619" | "5463853" | "5622375" | "5625923" | "5725238" | "5882022" | "5909887" | "5967190" | "6098492" | "6422634" | "6447001" | "6453921" | "6530591" | "6540238" | "6557878" | "6698772" | "6827356" | "6893028" | "7159829" | "7290776").PN. OR ("8029007").URPN.					
L125	1	("6851693").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:34 PM
L126	14	("3887208" | "5064209" | "5067738" | "5269548" | "5421597" | "5470088" | "5513868" | "5785335").PN. OR ("6851693").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:35 PM
L127	6	("2001/0033069").URPN.	(USPAT)	OR	ON	ON	2013/07/25 03:36 PM
L128	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	ON	2013/07/25 03:37 PM
L129	1	("7249779").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:38 PM
L130	57	("1218943" | "1347384" | "1408729" | "1560288" | "20010035626" | "20030151225" | "2305719" | "2435733" | "2468933" | "2798727" | "3314494" | "3738700" | "3954283" | "4015297" | "4825484" | "4958842" | "5125674" | "5190306" | "5558357" | "5562300" | "5590896" | "5692760" | "5709400" | "5820146" | "5884922" | "5975551" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:38 PM

		"6164666" | "6231056" | "6237995" | "6340168" | "6409190" | "6460866" | "6595536" | "6601862" | "6623023" | "6676140" | "6688614" | "7029015").PN. OR ("7249779").URPN.					
L131	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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 04:59 PM

		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.					
L132	7295614	@ad<="20081204"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/29 06:38 PM
L133	2588	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/29 06:38 PM
L134	3082	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/29 06:38 PM
L135	1082	L132 and L133	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:39 PM
L136	1877	L132 and L134	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:39 PM
L137	5616	L133 or L134	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L138	2924	L132 and L137	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L139	1012	L138 and stroller	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L140	901	L139 and seat$3	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L141	757	L140 and (insert$4 or attach$4 or detach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:42 PM
L142	107	L141 and ((double or tandem) same stroller)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:42 PM
L143	1	("5816367").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 09:23 AM
L144	3	("2006/0290107").URPN.	(USPAT)	OR	ON	ON	2014/01/30 02:24 PM
L145	78	("20030020259" | "20030227157" | "20060290107" | "20070001429" | "20070085303" | "20070222167" | "20070296182" | "20080073877" | "20080150247" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 02:26 PM

		"20090039620" | "20100038886" | "20100038887" | "20100072732" | "20100078916" | "20100109292" | "20100140902" | "20100282800" | "20120153583" | "2769482" | "2798733" | "2857953" | "2993702" | "3235279" | "3309101" | "4542915" | "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.					
L146	8	("2010/0078916").URPN.	(USPAT)	OR	ON	ON	2014/01/30 02:27 PM
L147	8	("20070096438" | "20100025968" | "20100078916" | "6422586" | "7401803" | "7441794" | "7632035" | "7766366").PN. OR ("8596669").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 02:27 PM
L148	1	("8157273").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:20 PM
L149	18	("0522608" | "1707186" | "3223431" | "3524655" | "3997180" | "4620686" | "4632409" | "4836573" | "6267406" | "6752405" | "7364183").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:21 PM

		("8157273").URPN.					
L150	1	("5338096").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:23 PM
L151	19	("3223431" | "3915493" | "3917312" | "4886209" | "5184835").PN. OR ("5338096").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:24 PM
L152	23	("4657269" | "4836573" | "5184835" | "5338096" | "5664795" | "5911432").PN. OR ("6045145").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 05:17 PM
L153	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	ON	2014/01/30 05:56 PM
L154	6	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 06:00 PM
L155	23	("20010013689" | "20040032103" | "20040094923" | "20070057486" | "20080012268" | "20080231022" | "20090127827" | "20090243260" | "20090295128" | "4398748" | "4836573" | "6446990" | "6478327" | "6572134" | "7497461" | "7513512" | "7658399" | "7686322" | "7712765" | "7775532" | "7832755" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/31 10:54 AM

		"7878527" | "7938435").PN. OR ("8231136").URPN.					
L156	2	("2008/0231022").URPN.	(USPAT)	OR	ON	ON	2014/01/31 12:58 PM
L157	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	ON	2014/01/31 12:59 PM
L158	1	("7938435").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/31 01:26 PM
L159	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	ON	2014/02/03 12:41 PM
L160	17	("20050098983" | "2842374" | "6357784" | "7118121" | "7267359" | "7367581" | "7441794" | "7527283").PN. OR ("7766366").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/02/03 12:56 PM
L161	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"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/02/03 01:14 PM

		| "5234224" | "5265931" | "5364137" | "5375869" | "5385386" | "5499831" | "5527096" | "5564778" | "5567008" | "5601297" | "5676386" | "5707106" | "5727798" | "5772279" | "5865447" | "5876046" | "5974555").PN. OR ("6286844").URPN.					
L162	52	("3779655" | "4191397" | "4216974" | "4412688" | "4602889" | "4634177" | "4645371" | "4834403" | "5028061" | "5257799" | "5527096" | "5772279" | "5865447" | "6286844").PN. OR ("6513827").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/02/03 01:21 PM
L168	1	("20140217706").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:03 AM
L169	3175	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:24 AM
L170	7324421	@ad<="20081204"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:24 AM
L171	1878	L169 and L170	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:25 AM
L172	64	(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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:25 AM

		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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$).did. or (US-3000645-$ or US-2453631-$).did.					
L173	3686032	@pd>="20140129"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 10:56 AM
L174	1	L171 and L173	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 10:56 AM
L175	13	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 10:57 AM
L176	1	("7,497,461").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:01 AM
L177	94	L169 and L173	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 11:08 AM
L178	12	("20070296182" | "20100117315" | "5820144" | "6086086" | "6513827" | "6715783" | "7032922" | "7066542" | "7364183" | "7377537" | "7455362" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:25 AM

		"8061732").PN. OR ("8764048").URPN.					
L179	15	("3797848" | "4832361" | "5074575" | "6116624" | "6446990" | "6508605" | "6530591" | "6824161" | "6830254" | "6851700" | "6951342" | "7021650" | "7273225" | "7401803" | "7513512").PN. OR ("8696016").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:41 AM
L180	1	("7,938,435").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:47 AM
L181	1	("20080231022").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:47 AM
L182	2	("2008/0231022").URPN.	(USPAT)	OR	ON	ON	2014/09/24 11:48 AM
L183	1	("7,766,366").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:51 AM
L184	1	("6,286,844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:52 AM
L185	1	("6,513,827").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:53 AM
L186	0	(2006/0131841).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:53 AM
L187	1	("20060131841").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:54 AM
L188	1	("20060001226").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:54 AM
L189	1	("7,320,471").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:55 AM
L190	1	("6,045,145").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:55 AM
L191	1	("20080224451").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:55 AM
L192	1	("7,481,439").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:57 AM
L193	1	("7,367,581").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:57 AM
L194	1	("8,029,007").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:58 AM
L195	1	("6,923,467").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:58 AM
L196	1	("20070090619").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:58 AM
L197	1	("6,851,693").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:59 AM
L198	1	("20010033069").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 12:00 PM
L199	1	("7,249,779").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:00 PM

L200	57	("1218943" | "1347384" | "1408729" | "1560288" | "20010035626" | "20030151225" | "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.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:02 PM
L201	2665	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:02 PM
L202	79	L201 and L173	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 12:03 PM
L203	2	L202 and L170	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:03 PM
L204	1	("5338096").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:24 PM
L205	1	("20030025304").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:25 PM
L206	1	("20070001429").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:25 PM
L207	1	("20070085303").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:26 PM
L208	1	("20070114738").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 01:26 PM
L209	1	("7681894").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:33 PM
L210	14	("20040164593" | "3145442" | "5865447" | "5947555" | "6446314" | "7032922").PN. OR ("7681894").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:33 PM
L211	1	("7377537").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:34 PM
L212	41	("7249779"|"3000645"|"7677585"|"7377537"|"20060001226"|"8029007"|"20080231022"|"7766366"|"6443467"|"6561526"|"20080224451"|"65	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:56 PM

		13827"|"7475900"|"7497461"|"20070114738"|"1707186"|"6752405"|"6851693"|"7938435"|"6676140"|"6045145"|"6923467"|"20030025304"|"20070001429"|"5338096"|"6045145"|"20070090619"|"6209892"|"6378892"|"7896384"|"8157273"|"8251382"|"8262103"|"8336904"|"20010033069"|"20060131841"|"7320471"|"7367581"|"7481439"|"6286844").PN.					
L219	19	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2015/04/20 01:53 PM
L220	22	("7249779"|"20060001226"|"20080231022"|"7766366"|"8029007"|"20080224451"|"6513827"|"4797461"|"7497461"|"6851693"|"7938435"|"6045145"|"6923467"|"8905427"|"20070090619"|"20010033069"|"20060131841"|"6286844"|"7320471"|"7367581"|"7481439"|"8882134").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 01:58 PM
L221	1	("7475900").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:02 PM
L222	68470442	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:02 PM
L223	1214191	@pd>="20140924"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:03 PM
L224	3292	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:04 PM
L225	2741	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:04 PM
L226	5977	L224 or L225	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:04 PM
L227	2929	L226 and L222	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:04 PM
L228	2	L227 and L223	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:04 PM
L229	88	("0119331" | "1138802" | "1269379" | "1707186"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:04 PM

		| "1890469" | "20040251063" | "20070045975" | "20090115151" | "20090160162" | "20100038887" | "20100140902" | "20110175330" | "3223431" | "3612603" | "3726536" | "4222132" | "4349938" | "4391453" | "4403807" | "4684148" | "4725071" | "4805938" | "4834415" | "4834452" | "4858947" | "4872692" | "4969656" | "5018754" | "5033761" | "5064209" | "5167425" | "5221106" | "5230523" | "5338096" | "5653460" | "5664795" | "5772235" | "5887935" | "5918892" | "6086087" | "6099022" | "6267406" | "6357784" | "6361111" | "6375213" | "6431579" | "6527294" | "6536842" | "6585284" | "6676140" | "6679506" | "6752405" | "6843498" | "6935652" | "6938906" | "6938954" | "7025364" | "7364183" | "7367581" | "7516966" | "7597332" | "7896384" | "8128103" | "8157273" | "8398143" | "D296540" | "D300310" | "D305316" | "D321850" | "D328047" | "D348489" | "D360392" | "D370437" | "D382516" | "D404344" | "D430512" | "D431212" | "D452191" | "D568794" | "D593458" | "D595621" | "D598333").PN. OR ("8905427").URPN.					
L230	84	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:08 PM
L231	796	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L232	666	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L233	894	(B62B7/142).CPC.	(US-PGPUB; USPAT;	OR	ON	ON	2015/04/20

			USOCR; FPRS; EPO; JPO)				02:12 PM
L234	1003	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L235	450	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L236	3236	L230 L231 L232 L233 L234 L235	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L237	2104	L236 and L222	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:13 PM
L238	70	L237 and (seat$3 same revers$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:14 PM
L239	77	(US-20100052277-$ 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-$ or US-20030025304-$ or US-20070069505-$ or US-20080231022-$).did. or (US-5338096-$ 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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:14 PM

		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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$ or US-8764048-$ or US-8061732-$).did. or (US-8733784-$ or US-8696016-$ or US-8231136-$ or US-8458880-$ or US-7249779-$ or US-7681894-$ or US-8955869-$ or US-8905427-$).did. or (US-3000645-$ or US-2453631-$).did.					
L240	58	L238 not L239	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:14 PM
L241	1	("8882134").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:15 PM
L242	87	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20090072520" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:16 PM

		"20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6935652" | "6938906" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128119" | "8157273" | "8262107" | "8276935" | "D326748" | "D431798").PN. OR ("8882134").URPN.					
L243	1	("6361111").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:19 PM
L244	1	("20040251063").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:19 PM
L245	1	("6527294").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:20 PM
L246	1	("20070045975").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:20 PM
L247	27	("20060001226" | "20070045975" | "20080296872" | "20090033066" | "5301970" | "5520433" | "5601302" | "5709400" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:30 PM

		"5845924" | "6099022" | "6193263" | "6203054" | "6209892" | "6398233" | "6446990" | "6540250" | "6715783" | "7377537" | "7475900" | "7753398").PN. OR ("8029014").URPN.					
L249	2790	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 10:16 AM
L250	3337	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 10:16 AM
L251	102	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L252	824	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L253	686	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L254	947	(B62B7/142).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L255	1031	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L256	520	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L257	3385	L251 L252 L253 L254 L255 L256	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L258	1888686	@pd>="20150420"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L259	6070	L249 or L250	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L260	49	L258 and L249	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L261	93	L258 and L259	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L262	45	L258 and L250	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L263	44	L262 not L260	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:18 AM
L264	105	L258 and L257	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2015/12/07 10:19 AM

			JPO)				
L265	94	L264 not L263	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:19 AM
L266	93	L265 not L260	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:19 AM
L267	1	("8936261").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 12:33 PM
L268	64	("20040164593" | "20060261565" | "20070045975" | "20070069505" | "20070187914" | "20080054579" | "20080150247" | "20080179848" | "20080303232" | "20090033066" | "20090102162" | "20090256323" | "20100013281" | "20100102535" | "20100127480" | "20100230933" | "20100244408" | "20100259021" | "20110204600" | "20110291389" | "20110304124" | "20120025492" | "20120153583" | "20120242062" | "20120261961" | "20130113188" | "4872692" | "5018405" | "5676386" | "5722682" | "5947555" | "6513827" | "6530591" | "6581957" | "6851700" | "7032922" | "7267359" | "7377537" | "7401803" | "7681894" | "7686323" | "7753397" | "7753398" | "7789402" | "7798500" | "7938435" | "8029014" | "8033555" | "8157286" | "8205906" | "8240700" | "8251382" | "8322744" | "8366127" | "8454049" | "8465045" | "8469388" | "8474854" | "8480116" | "8485546" | "8544873" | "8550489" | "8596669").PN. OR ("8936261").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/12/07 12:33 PM
L269	18	("1671774" | "1707186"	(US-PGPUB; USPAT;	OR	OFF	OFF	2015/12/07

		| "20050167951" | "20070194545" | "20100052277" | "20110163519" | "20120118516" | "7032922" | "7871100" | "8157273" | "8251382" | "8585075" | "8651502" | "8727370" | "D686541").PN. OR ("9010773").URPN.	USOCR)				01:12 PM
L270	1	("6,286,844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 06:14 PM
L271	110	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L272	855	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L273	694	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L274	989	(B62B7/142).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L275	1052	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L276	540	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L277	3473	L271 L272 L273 L274 L275 L276	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L278	3353	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 12:46 PM
L279	2802	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 12:46 PM
L280	279114	@pd>="20151207"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:47 PM
L281	21	L277 and L280	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM
L282	16	L278 and L280	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM
L283	12	L279 and L280	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM
L284	17	L281 not (L282 or L283)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM

L285	2	("20070069504" | "7401803").PN. OR ("9242665").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 01:16 PM
L286	70	("20030020259" | "20040094935" | "20060226635" | "20060290107" | "20070075525" | "20070085303" | "20070114738" | "20070267833" | "20080001370" | "20080179863" | "20080224432" | "20090039620" | "20090236826" | "20090302578" | "20100038886" | "20100038887" | "20100072731" | "20100140902" | "20100201089" | "20100282800" | "20100301585" | "20110175330" | "20120098219" | "20120098237" | "20120169021" | "20130049331" | "20130234419" | "20130264787" | "20130270800" | "20140159346" | "20140312586" | "20140346756" | "4542915" | "4725071" | "5338096" | "5417449" | "5664795" | "6086087" | "6267406" | "6676140" | "6702316" | "6843498" | "6877761" | "7451999" | "7699325" | "7971884" | "8070180" | "8146926" | "8157273" | "8205894" | "8282109" | "8322745" | "8398143" | "8444171" | "8480115" | "8684395" | "8714582" | "8757646" | "8807588" | "8844964" | "8857829" | "8905427" | "8915516" | "D321850" | "D359937" | "D375706" | "D429664" | "D430076" | "D431212" | "D636300").PN. OR ("9227650").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 01:18 PM
L287	1	("7475900").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2016/02/12

			USOCR)				01:19 PM
L288	1	("4343124").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 03:17 PM
L289	1	("4340124").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 03:18 PM
L290	1	("20140361517").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 03:50 PM
L291	111	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L292	864	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L293	699	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L294	993	(B62B7/142).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L295	1054	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L296	542	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L297	3486	L291 L292 L293 L294 L295 L296	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L298	3358	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 04:45 PM
L299	2805	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 04:45 PM
L300	6106	L298 or L299	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:45 PM
L301	83034	@pd>="20160212"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:45 PM
L302	8	L300 and L301	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:59 PM
L303	6	L297 and L301	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 05:01 PM
L304	13	("20080231022" | "20090243261" | "20130113188" | "6513827" | "7267359" | "7377537" | "7798500" | "7938435" | "8061732" | "8733784" | "8764048" | "8777253" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:03 PM

		"8955869").PN. OR ("9260128").URPN.					
L305	94	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20080224451" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "20140191483" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6877762" | "6935652" | "6938906" | "6981709" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128118" | "8128119" | "8157273" | "8262107"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:04 PM

		"8276935" | "8882134" | "9056622" | "D326748" | "D431798").PN. OR ("9260127").URPN.					
L306	1	("20150123440").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:20 PM
L307	1	("8955869").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:22 PM
L308	32	("20010033069" | "20060001226" | "20060131841" | "20070090619" | "20080224451" | "20080231022" | "6045145" | "6286844" | "6513827" | "6851693" | "6923467" | "7249779" | "7311323" | "7320471" | "7367581" | "7377537" | "7475900" | "7481439" | "7497461" | "7681894" | "7766366" | "7938435" | "8029007" | "8033554" | "8061732" | "8231136" | "8444171" | "8458880" | "8696016" | "8733784" | "8764048").PN. OR ("8955869").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:22 PM
L309	2	"39773911".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/25 05:27 PM
L310	32	("4657269" | "4836573" | "5184835" | "5338096" | "5664795" | "5911432").PN. OR ("6045145").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:33 PM
L311	28	("1203729" | "1321009" | "20020036391" | "20050023783" | "20070075525" | "20070216138" | "20070222167" | "20090315300" | "20100072732" | "2769482" | "4923208" | "5338096" | "5417449" | "5664795" | "5722682" | "5740989" | "5887935" | "6045145" | "6378892" | "6676140" | "7011318" | "7445229" | "8282119" | "D587635" | "D614540").PN. OR ("8857830").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:37 PM
L312	15	"37454081".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/25 05:37 PM

L313	1	"41399621".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/25 05:41 PM
L314	6	("2009/0302578").URPN.	(USPAT)	OR	ON	ON	2016/03/25 05:42 PM
L315	70	("20030020259" | "20040094935" | "20060226635" | "20060290107" | "20070075525" | "20070085303" | "20070114738" | "20070267833" | "20080001370" | "20080179863" | "20080224432" | "20090039620" | "20090236826" | "20090302578" | "20100038886" | "20100038887" | "20100072731" | "20100140902" | "20100201089" | "20100282800" | "20100301585" | "20110175330" | "20120098219" | "20120098237" | "20120169021" | "20130049331" | "20130234419" | "20130264787" | "20130270800" | "20140159346" | "20140312586" | "20140346756" | "4542915" | "4725071" | "5338096" | "5417449" | "5664795" | "6086087" | "6267406" | "6676140" | "6702316" | "6843498" | "6877761" | "7451999" | "7699325" | "7971884" | "8070180" | "8146926" | "8157273" | "8205894" | "8282109" | "8322745" | "8398143" | "8444171" | "8480115" | "8684395" | "8714582" | "8757646" | "8807588" | "8844964" | "8857829" | "8905427" | "8915516" | "D321850" | "D359937" | "D375706" | "D429664" | "D430076" | "D431212" | "D636300").PN. OR ("9227650").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:43 PM

L316	108	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20090243261-$).did. or (US-5338096-$ 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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:54 PM

		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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$ or US-8764048-$ or US-8061732-$).did. or (US-8733784-$ or US-8696016-$ or US-8231136-$ or US-8458880-$ or US-7249779-$ or US-7311323-$ or US-8444171-$ or US-8033554-$ or US-7681894-$ or US-8955869-$ or US-8905427-$ or US-8882134-$ or US-8029014-$ or US-7789402-$ or US-7658399-$ or US-5167425-$ or US-8936261-$ or US-9010773-$ or US-9119483-$ or US-9200746-$ or US-9199659-$ or US-9108659-$ or US-9073563-$ or US-9242665-$ or US-7401803-$ or US-9227650-$ or US-9260128-$).did. or (US-9260127-$ or US-8857830-$ or US-2769482-$).did. or (US-3000645-$ or US-2453631-$).did.					
L317	1	("20090290107").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:56 PM
L318	1	("20060290107").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:58 PM
L319	1	("4542915").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 06:07 PM
L320	2	"47750100".FMID.	(US-PGPUB; USPAT;	OR	ON	ON	2016/03/25

			FPRS)				09:54 PM
L321	1	("6209892").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 11:02 PM
L322	60	("3829113" | "4729572" | "4768795" | "4861105" | "5056865" | "5076599" | "5146656" | "5322343" | "5676386" | "5727798" | "5820144" | "5887889").PN. OR ("6209892").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 11:02 PM
L323	60	("3829113" | "4729572" | "4768795" | "4861105" | "5056865" | "5076599" | "5146656" | "5322343" | "5676386" | "5727798" | "5820144" | "5887889").PN. OR ("6209892").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/28 11:14 AM
L324	0	(A stroller, comprising a stroller frame a plurality of wheels, including front and rear wheels a first seat coupled to the stroller frame at a first vertical position closer to a handle of the stroller frame and configured to hold a first child in the stroller a second seat attachment coupled to the stroller frame at a second vertical position substantially below the first vertical position and closer to the front wheels and comprising a left seat support element, wherein the left seat support element comprises a first connector portion releasably connected to the stroller frame closer to left front wheel and a left seat connector releasably connecting a second seat in either a forward or backward position and a right seat support element, wherein the right seat support element comprises a second connector portion releasably connected to	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:20 PM

		the stroller frame closer to a right front wheel and a right seat connector releasably connecting the second seat in either a forward or backward position between the left and right seat support connectors and the second seat releasably connected to the left seat connector and the right seat connector and configured to hold a second child in the stroller while the first seat holds the first child).clm.					
L325	0	(stroller frame wheel seat first vertical position handle child attach$4 coupl$3 left seat support element, first connector portion releas$4 connect$4 forward backward position).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:42 PM
L326	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left seat support element, first connector portion releas$4 connect$4 forward backward position).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:42 PM
L327	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left support element portion releas$4 connect$4 forward backward position).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:43 PM
L328	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left support element portion releas$4 connect$4 forward backward).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:43 PM
L329	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left support$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:43 PM

		releas$4 connect$4 forward backward).clm.					
L330	3	(stroller frame wheel seat vertical position handle attach$4 left support$4 releas$4 connect$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:44 PM
L331	14	(stroller frame wheel seat vertical position handle attach$4 support$4 releas$4 connect$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:45 PM
L332	15	(stroller frame wheel seat vertical position handle attach$4 releas$4 connect$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:46 PM
L333	1	L332 not L331	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:46 PM
L334	18	(stroller frame wheel seat vertical position handle attach$4 releas$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:47 PM
L335	3	L334 not L332	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:47 PM
L336	25	(stroller frame wheel seat vertical position$4 attach$4 releas$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:48 PM
L337	7	L336 not L334	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:48 PM
L338	1	"41399621".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/28 01:48 PM
L339	1	("20160339940").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/08 04:58 PM
L340	3453	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:22 PM
L341	2353	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:23 PM
L342	5184262	@pd>="20160325"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:31 PM
L343	5004	L340 or L341	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:33 PM
L344	254	L342 and L343	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:33 PM
L346	4	(Lee near2 (Jon and	(US-PGPUB; USPAT;	OR	ON	ON	2017/06/08

		Hee)).in.	USOCR; FPRS; EPO; JPO; DERWENT)				05:52 PM
L347	14	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2017/06/12 08:15 AM
L348	1	(Simpson near2 (Stacy and Noel)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2017/06/12 08:16 AM
L349	66	("1707186"|"20010033069"|"20060001226"|"20060131841"|"20060290107"|"20070090619"|"20080224451"|"20080231022"|"20090302578"|"3000645"|"4542915"|"5338096"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7896384"|"7938435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:35 AM
L350	111	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:36 AM

		US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20090243261-$ or US-20130049331-$).did. or (US-5338096-$ 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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-					

		6513827-$ or US-8764048-$ or US-8061732-$).did. or (US-8733784-$ or US-8696016-$ or US-8231136-$ or US-8458880-$ or US-7249779-$ or US-7311323-$ or US-8444171-$ or US-8033554-$ or US-7681894-$ or US-8955869-$ or US-8905427-$ or US-8882134-$ or US-8029014-$ or US-7789402-$ or US-7658399-$ or US-5167425-$ or US-8936261-$ or US-9010773-$ or US-9119483-$ or US-9200746-$ or US-9199659-$ or US-9108659-$ or US-9073563-$ or US-9242665-$ or US-7401803-$ or US-9227650-$ or US-9260128-$).did. or (US-9260127-$ or US-8857830-$ or US-2769482-$ or US-4542915-$ or US-6715783-$).did. or (US-3000645-$ or US-2453631-$).did.					
L351	4	L349 not L350	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 09:41 AM
L352	34	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 09:44 AM
L353	96	("1269379" | "1707186" | "1890469" | "20020158444" | "20040251063" | "20070045975" | "20080122200" | "20080224451" | "20090115151" | "20090160162" | "20090289440" | "20100038887" | "20100140902" | "20110175330" | "20140265258" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:46 AM

		"3053493" | "3223431" | "3612603" | "3726536" | "4222132" | "4349938" | "4391453" | "4403807" | "4684148" | "4725071" | "4805938" | "4834415" | "4834452" | "4858947" | "4872692" | "4969656" | "5018754" | "5033761" | "5064209" | "5167425" | "5221106" | "5230523" | "5338096" | "5522121" | "5653460" | "5664795" | "5772235" | "5887935" | "5918892" | "6086087" | "6099022" | "6267406" | "6357784" | "6361111" | "6375213" | "6431579" | "6527294" | "6536842" | "6585284" | "6676140" | "6679506" | "6752405" | "6843498" | "6935652" | "6938906" | "6938954" | "7025364" | "7364183" | "7367581" | "7516966" | "7597332" | "7896384" | "8128103" | "8157273" | "8220822" | "8282120" | "8297642" | "8398143" | "8905427" | "D296540" | "D300310" | "D305316" | "D321850" | "D328047" | "D348489" | "D360392" | "D370437" | "D382516" | "D404344" | "D430512" | "D431212" | "D452191" | "D568794" | "D593458" | "D595621" | "D598333").PN. OR ("9517787").URPN.					
L354	8	"48223173".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2017/06/12 09:47 AM
L355	10	("2013/0113185").URPN.	(USPAT)	OR	ON	ON	2017/06/12 09:48 AM
L356	36	("1486118" | "2769482" | "2993702" | "3253860" | "3497234" | "3612603" | "4155588" | "4181356" | "4288124" | "4381870" | "4596405" | "4632409" | "4711489" | "4813742" | "4946180" | "5161811" | "5201535" | "5213360" | "5374073" | "5401076" | "5547205" | "5848797"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:52 AM

		| "5988657" | "6135479" | "6276709" | "D340140").PN. OR ("6561526").URPN.					
L357	22	("1707186").URPN.	(USPAT)	OR	ON	ON	2017/06/12 09:53 AM
L358	0	L350 and (cover$4 same door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 09:56 AM
L359	0	L350 and (cover$4 same2 door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:00 AM
L360	17	L350 and (cover$4 same attach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:00 AM
L361	1	("7377537").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:08 AM
L362	56	("4836573" | "4892327" | "5028061" | "5069474" | "5257799" | "5460430" | "5887935" | "5921574" | "6099022" | "6523853" | "6594840" | "6739649" | "7281732").PN. OR ("7377537").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:08 AM
L363	3	L349 and door	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:13 AM
L364	1	("9517787").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:19 AM
L365	1	("9517789").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:20 AM
L366	1	("9561817").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:20 AM
L367	1	("9493179").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:21 AM
L368	3453	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L369	2353	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L370	5004	L368 or L369	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L371	23	L370 and (cover$4 same door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L372	5	L370 and (cavit$3 same door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:23 AM
L373	35	("2917316" | "2993702"	(US-PGPUB; USPAT;	OR	ON	ON	2017/06/12

		| "3110504" | "3248125" | "3309101" | "5579556" | "5622375" | "5664795" | "5725238" | "6086087" | "6276759" | "6312005" | "D319493" | "D444738" | "D450265").PN. OR ("6447001").URPN.	USOCR)				10:23 AM
L374	40	L370 and (cavit$3 same cover$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:24 AM
L375	1	("5522121").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:28 AM
L376	25	("0461069" | "1318850" | "1352647" | "1688148" | "1707186" | "4805938").PN. OR ("5522121").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:29 AM
L377	1	("6449801").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:29 AM
L378	1	("20070114738").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:30 AM
L379	2	"38052732".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2017/06/12 10:30 AM
L380	41	("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	ON	2017/06/12 10:30 AM
L381	13	("20040164510" | "20070090619" | "20120098237" | "20130234419" | "20130264787" | "20160001805" | "3061328" | "5622375" | "6422634" | "6530591" | "7004272" | "8029007").PN. OR ("9545941").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:31 AM
L382	91	("1239498" | "1322788" | "1418929" | "1832770"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:33 AM

		| "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6935652" | "6938906" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128119" | "8157273" | "8262107" | "8276935" | "D326748" | "D431798").PN. OR ("8882134").URPN.					
L383	42	("0522608" | "1707186" | "3223431" | "3524655" | "3997180" | "4620686" | "4632409" | "4836573"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:46 AM

		| "6267406" | "6752405" | "7364183").PN. OR ("8157273").URPN.					
L384	15	("20050242548" | "20070052271" | "4518139" | "4681340" | "6022077" | "6536842").PN. OR ("7364183").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:49 AM
L385	1	("6286844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:09 PM
L386	119	("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	ON	2017/06/12 12:13 PM
L387	91	("0706448" | "1480451" | "1508500" | "1952467" | "20010013689" | "20040212161" | "20060085953" | "20070085302" | "20070120404" | "20090029784" | "20090181780" | "20110278810" | "20120023662" | "20120060326" | "20120235450" | "20130334781" | "20140042729" | "20150008659" | "20150042056" | "20150042076" | "20150175189" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:16 PM

		"2708585" | "2961248" | "3564626" | "4476649" | "5099528" | "5201535" | "5562548" | "5676386" | "5772279" | "5846136" | "5947555" | "5987665" | "5988670" | "6250654" | "6286844" | "6471597" | "6671926" | "6872146" | "6893040" | "7037205" | "7100724" | "7354352" | "7377537" | "7445559" | "7475942" | "7497461" | "7607734" | "7681894" | "7686323" | "7694996" | "7766366" | "7905791" | "7938435" | "8029014" | "8251382" | "8292750" | "8550556" | "8672341" | "8746794" | "8851505" | "8944927" | "8955869" | "9085312" | "D156930" | "D371094" | "D377466" | "D408768" | "D442895" | "D452195" | "D475951" | "D481976" | "D498713" | "D498714" | "D519063" | "D604055" | "D622640" | "D623429" | "D667229" | "D682562" | "D684789" | "D687352" | "D743304").PN. OR ("9421992").URPN.					
L388	20	("20010040357" | "20080106070" | "20100127480" | "20110181026" | "20160144879" | "5257799" | "5645293" | "6102432" | "6312005" | "7281732" | "7641216" | "8141895" | "8240698" | "8585075" | "8696015" | "8696016" | "8998241" | "9050993" | "9421991" | "9540028").PN. OR ("9637155").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:16 PM
L389	9	("20120326474" | "4306749" | "4634177" | "4915446" | "5947556" | "6286844" | "6595583" | "8251382" | "8678498").PN. OR ("9346378").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:21 PM
L390	9	("20120326474" |	(US-PGPUB; USPAT;	OR	ON	ON	2017/06/12

		"4306749" | "4634177" | "4915446" | "5947556" | "6286844" | "6595583" | "8251382" | "8678498").PN. OR ("9346378").URPN.	USOCR)				12:54 PM
L391	28	("20030015895" | "20090066130" | "20090295207" | "4306749" | "4750783" | "5385387" | "5478135" | "5562548" | "5586351" | "5997098" | "6017088" | "6170911" | "6299249" | "6331032" | "6336682" | "6347832" | "6428099" | "6428100" | "6443522" | "6554358" | "6705676" | "6793280" | "6921359" | "6979057" | "7090294").PN. OR ("8678498").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:55 PM
L392	54	("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	ON	2017/06/12 01:08 PM
L393	15	("20080231022" | "5773379" | "5947555" | "6286844" | "6893040" | "7032922" | "7267359" | "7475900" | "7658399" | "7681894" | "7766366" | "7938435" | "8033555" | "D621306").PN. OR ("8851505").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:09 PM
L394	58	("20010013689" | "20050264062" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:09 PM

		"20060214397" | "20070257458" | "20070296182" | "20080136127" | "20080231023" | "20100219616" | "20100230933" | "20120025492" | "4834403" | "5028061" | "5201535" | "5203577" | "5257799" | "5277472" | "5364137" | "5564778" | "5567008" | "5676386" | "5772279" | "5794951" | "5947555" | "6086086" | "6089653" | "6286844" | "6318807" | "6446990" | "6572134" | "6595583" | "6793280" | "6802514" | "6863286" | "6942294" | "6983986" | "7032922" | "7070197" | "7207628" | "7370913" | "7377537" | "7681894" | "7686322" | "7694996" | "7753398" | "8029014" | "8070228" | "8172253" | "8282120" | "8382150").PN. OR ("8651502").URPN.					
L395	76	("3779655" | "4191397" | "4216974" | "4412688" | "4602889" | "4634177" | "4645371" | "4834403" | "5028061" | "5257799" | "5527096" | "5772279" | "5865447" | "6286844").PN. OR ("6513827").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:12 PM
L396	49	("4915401" | "5133567" | "5277472" | "5564778" | "5644816" | "5676386" | "5772279").PN. OR ("5865447").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:13 PM
L397	88	("0763771" | "0921361" | "1167525" | "2509972" | "2982562" | "3029087" | "3083997" | "3596986" | "4306749" | "4345791" | "4371206" | "4385769" | "4501032" | "4545613" | "4634177" | "4664396" | "4733909" | "4861105" | "4915446" | "4943113" | "4984813" | "4998307" | "5052750" | "5058283" | "5203577" | "5277472" | "5385387" | "D294777"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:14 PM

		| "D305583" | "D322001" | "D325132").PN. OR ("5567008").URPN.					
L398	92	("2982562" | "3100651" | "3290050" | "3330575" | "3784252" | "4072318" | "4378946" | "4412688" | "4428598" | "4478427" | "4606550" | "4762364" | "4815764" | "5004253" | "5074575").PN. OR ("5201535").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:16 PM
L399	119	("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	ON	2017/06/12 01:23 PM
L400	82	L397 not L399	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:23 PM
L401	20	("20040164593" | "3145442" | "5865447" | "5947555" | "6446314" | "7032922").PN. OR ("7681894").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:28 PM
L402	59	("20020175498" | "20020195797" | "20030111825" | "20040046364" | "20050098982" | "20060071452" | "20060237949" | "5772235" | "5823564" | "7032922").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:30 PM

		("7267359").URPN.					
L403	1	("5201535").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:32 PM
L404	1	("6286844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:47 PM
L405	3477	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:13 PM
L406	2369	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:13 PM
L407	5040	L405 or L406	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:13 PM
L408	1329175	@pd>="20170608"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:16 PM
L409	44	L407 and L408	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:16 PM
L410	3	"37808038".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2017/11/13 05:27 PM
L423	1	("20180201293").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/15 10:50 AM
L424	39	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 10:51 AM
L425	8	(Lee near2 (Jon and Hee)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/04/15 10:52 AM
L426	18	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/04/15 10:52 AM
L427	3	(Simpson near2 (Stacy and Noel)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/04/15 10:52 AM
L428	151	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 11:03 AM

		US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-5338096-$ 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-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-$ or US-3000645-$).did. or (US-8070180-$ 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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-					

		6513827-$ or US- 8764048-$ or US- 8061732-$ or US- 8733784-$).did. or (US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US- 8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$ or US- 9260127-$).did. or (US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US- 5522121-$ or US- 9545941-$ or US- 9056622-$ or US- 9403550-$ or US- 8899615-$ or US- 7364183-$ or US- 9637155-$ or US- 9421992-$ or US- 9545940-$ or US- 9346378-$ or US- 8678498-$ or US- 4915446-$ or US- 4634177-$ or US- 4306749-$ or US- 8851505-$).did. or (US-				

		8651502-$ or US-6893040-$ or US-6446990-$ or US-5865447-$ or US-5772279-$ or US-5567008-$ or US-8657326-$ or US-8491000-$ or US-6155740-$ or US-5947555-$ or US-7267359-$ or US-9776652-$ or US-9771095-$ or US-9725106-$ or US-9701333-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L429	55	L424 L425 L426 L427	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:25 PM
L430	3	L424 L425 L426 L427	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2019/04/15 12:25 PM
L431	80	("1707186" | "20010033069" | "20020109321" | "20060001226" | "20060131841" | "20060290107" | "20070090619" | "20080224451" | "20080231022" | "20090302578" | "20140191483" | "20160046315" | "3000645" | "4542915" | "5201535" | "5338096" | "5567008" | "6045145" | "6209892" | "6286844" | "6378892" | "6443467" | "6513827" | "6561526" | "6676140" | "6752405" | "6851693" | "6923467" | "7249779" | "7311323" | "7320471" | "7367581" | "7377537" | "7401803" | "7475900" | "7481439" | "7497461" | "7677585" | "7681894" | "7766366" | "7832755" | "7896384" | "7938435" | "8029007" | "8029014" | "8033554" | "8061732" | "8157273" | "8231136" | "8251382" | "8262103" | "8336904" | "8444171" | "8458880"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:26 PM

		"8585075" | "8596670" | "8696016" | "8733784" | "8764048" | "8882134" | "8905427" | "8936261" | "9010773" | "9108654" | "9108659" | "9119483" | "9199659" | "9200746" | "9227650" | "9242665" | "9260127" | "9260128" | "9517787" | "9561817" | "9701333" | "9725106" | "9771095" | "9776652").PN. OR ("9944305").URPN.					
L432	3809	(B62B7/008,00,006,14,142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L433	2627	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L434	5496	L432 or L433	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L435	7949590	@pd>="20171113"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L436	308	L434 and L435	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:30 PM
L437	2	("20100140902"|"20140333039").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:52 PM
L438	84	("1707186"|"20010033069"|"20020109321"|"20030025304"|"20060001226"|"20060131841"|"20060290107"|"20070001429"|"20070085303"|"20070090619"|"20070114738"|"20080224451"|"20080231022"|"20090302578"|"20140191483"|"20160046315"|"3000645"|"4542915"|"5201535"|"5338096"|"5567008"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7832755"|"7896384"|"79	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:54 PM

		38435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8585075"|"8596670"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128"|"9517787"|"9561817"|"9701333"|"9725106"|"9771095"|"9776652").PN.					
L439	7	L438 not L428	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:55 PM
L440	11	("20060214395" | "20070085303" | "20090302578" | "4763911" | "5356172" | "5395154" | "5593173" | "6431647").PN. OR ("8596670").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:58 PM
L441	12	("2007/0085303").URPN.	(USPAT)	OR	ON	ON	2019/04/15 01:05 PM
L443	1	("7475900").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/15 02:37 PM
L444	1	("7377537").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/15 02:47 PM
L445	1	("7677585").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/28 11:08 PM
L446	1	("7481439").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/28 11:09 PM
L447	21	("4222132" | "4805938" | "4969656" | "5064209" | "5653460" | "5887935" | "5918892" | "6155592" | "6523840" | "6527294" | "6752405" | "D360392").PN. OR ("7481439").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:10 PM
L448	94	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:10 PM

		"20070257526" | "20080042476" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6935652" | "6938906" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128119" | "8157273" | "8262107" | "8276935" | "D326748" | "D431798").PN. OR ("8882134").URPN.					
L449	28	("1707186" | "4222132" | "4288089" | "4354689" | "4805938" | "4969656" | "5064209" | "5076599" | "5522121" | "5653460" | "5918892" | "6086087" | "6527294" | "6752405").PN. OR ("6938906").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:13 PM
L450	56	("20030080536" | "20040075229" | "20040124611" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:14 PM

		"20040173997" | "20050127640" | "20050242549" | "20090295128" | "20100038886" | "20100230933" | "4697823" | "4846494" | "4921261" | "4946180" | "5121940" | "5338096" | "5454575" | "5624152" | "5669623" | "5687984" | "5752738" | "6189914" | "6193263" | "6209892" | "6267406" | "6409205" | "6478327" | "6702316" | "6938906" | "6964429" | "6981709" | "7017937" | "7040694" | "7284797" | "7445230" | "7513512" | "7614640" | "7770911" | "8087680" | "8100429" | "8186705" | "8186706" | "8205894" | "8282119" | "8328208" | "8388016" | "8398098" | "8414012" | "D344474" | "D345128" | "D352923" | "D430076" | "D452192" | "D455679" | "D510549" | "D593459").PN. OR ("8641077").URPN.					
L451	32	("6896286" | "D369992" | "D519422" | "D558099" | "D566013" | "D578045" | "D579827").PN. OR ("D593459").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:15 PM
L452	66	("20020093177" | "20020109320" | "20030075903" | "20030080536" | "20030111825" | "20040032103" | "20040094922" | "20040124610" | "20040124611" | "20040245747" | "20050093259" | "20050127640" | "20050242535" | "20050242549" | "20060119079" | "20070001429" | "20070108710" | "20070194545" | "20080157491" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:18 PM

		"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.					
L453	1	("D593459").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/28 11:25 PM
L454	3861	(B62B7/008,00,006,14,142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:51 AM
L455	2688	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:51 AM
L456	5586	L454 or L455	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:51 AM
L457	969007	@pd>="20190415"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:57 AM
L458	58	L456 and L457	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:59 AM
L459	27	("20040189076"|"20050029855"|"20110175306"|"20170247044"|"20170361861"|"4577355"|"5240265"|"5246272"|"5669625"|"5681084"|"5749627"|"5806877"|"6322097"|"6530591"|"6676140"|"6830254"|"6951342"|"8070180"|"8172322"|"8596670"|"8616638"|"8690250"|"8899615"|"8991929"|"9227650"|"9868456"|"D811949").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/08/23 01:02 AM
L460	167	(US-20100052277-$ or US-20070114738-$ or US-20070001429-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/08/23 01:02 AM

		US-20060290107-$ or US-20030075903-$ or US-20080303232-$ or US-20070085303-$ or US-20060131841-$ or US-20060001226-$ or US-20080224451-$ or US-20010033069-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-5338096-$ 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-$ or US- 8398098-$ or US- 7766366-$ or US- 6286844-$ or US- 6513827-$ or US- 8764048-$ or US- 8061732-$).did. or (US- 8733784-$ or US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US- 8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$).did. or (US- 9260127-$ or US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US-				

		5522121-$ or US-9545941-$ or US-9056622-$ or US-9403550-$ or US-8899615-$ or US-7364183-$ or US-9637155-$ or US-9421992-$ or US-9545940-$ or US-9346378-$ or US-8678498-$ or US-4915446-$ or US-4634177-$ or US-4306749-$).did. or (US-8851505-$ or US-8651502-$ or US-6893040-$ or US-6446990-$ or US-5865447-$ or US-5772279-$ or US-5567008-$ or US-8657326-$ or US-8491000-$ or US-6155740-$ or US-5947555-$ or US-7267359-$ or US-9776652-$ or US-9771095-$ or US-9725106-$ or US-9701333-$ or US-8585075-$ or US-8596670-$ or US-9956979-$ or US-9944305-$ or US-9924806-$ or US-9884640-$ or US-9849903-$ or US-9840168-$ or US-10207731-$ or US-10023218-$ or US-6938906-$).did. or (US-D593459-$ or US-D621306-$ or US-8328208-$ or US-7513512-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L461	22	L459 not L460	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 01:02 AM
L462	1	("6676140").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/08/23 01:04 AM
L464	4053	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 08:49 PM
L465	2834	(B62B9/12,28,102).CP	(US-PGPUB; USPAT;	OR	ON	ON	2020/02/28

		C.	USOCR; FPRS; EPO; JPO)				08:49 PM
L466	5847	L464 or L465	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 08:49 PM
L467	1751101	@pd>="20190823"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 09:02 PM
L468	97	L466 and L467	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 09:02 PM
L469	97	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20080224451" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20120181779" | "20130154215" | "20140191483" | "20150021872" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6877762" | "6935652" | "6938906" | "6981709" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/02/28 09:03 PM

		"7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128118" | "8128119" | "8157273" | "8262107" | "8276935" | "8882134" | "9056622" | "9260127" | "D326748" | "D431798").PN. OR ("10556610").URPN.					
L470	21	("20100140902" | "20130087993" | "20130154241" | "20150159414" | "20160046315" | "7789402" | "7832755" | "8033554" | "8231136" | "8602441" | "8905427" | "8955869" | "8967647" | "9050987" | "9399477" | "9403550" | "9493179" | "9517787" | "9616912" | "9637154" | "D747669").PN. OR ("10449987").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/02/28 10:17 PM
L471	1	("20180201293").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/02/28 10:19 PM
L472	7365969	@ad<="20081204"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/03/01 11:01 PM
L473	172	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/03/01 11:02 PM

		US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-20130087993-$).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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$ or US-					

		8764048-$ or US- 8061732-$).did. or (US- 8733784-$ or US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US- 8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$).did. or (US- 9260127-$ or US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US- 5522121-$ or US- 9545941-$ or US- 9056622-$ or US- 9403550-$ or US- 8899615-$ or US- 7364183-$ or US- 9637155-$ or US- 9421992-$ or US- 9545940-$ or US- 9346378-$ or US- 8678498-$ or US- 4915446-$ or US- 4634177-$ or US- 4306749-$).did. or (US- 8851505-$ or US- 8651502-$ or US-				

		6893040-$ or US-6446990-$ or US-5865447-$ or US-5772279-$ or US-5567008-$ or US-8657326-$ or US-8491000-$ or US-6155740-$ or US-5947555-$ or US-7267359-$ or US-9776652-$ or US-9771095-$ or US-9725106-$ or US-9701333-$ or US-8585075-$ or US-8596670-$ or US-9956979-$ or US-9944305-$ or US-9924806-$ or US-9884640-$ or US-9849903-$ or US-9840168-$ or US-10207731-$ or US-10023218-$ or US-6938906-$).did. or (US-D593459-$ or US-D621306-$ or US-8328208-$ or US-7513512-$ or US-10293843-$ or US-10556611-$ or US-10556610-$ or US-10449987-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L474	94	L472 and L473	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/03/01 11:02 PM
L475	15	"37454081".FMID.	(US-PGPUB; USPAT; FPRS; JPO)	OR	ON	ON	2020/03/01 11:04 PM
L476	16	("2010/0072732").URPN.	(USPAT)	OR	ON	ON	2020/03/01 11:07 PM
L484	1	("10730543").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/10 02:15 PM
L485	0	("202000223470").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/10 02:16 PM
L486	1	("20200223470").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/10 02:16 PM
L487	41	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 02:19 PM
L488	4211	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM

L489	2957	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM
L490	6047	L488 or L489	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM
L491	1552888	@pd>="20200228"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM
L492	69	L490 and L491	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:34 PM
L493	98	("10023218" | "10207731" | "10293843" | "10449987" | "10556610" | "1707186" | "20010033069" | "20020109321" | "20030025304" | "20060001226" | "20060131841" | "20060290107" | "20070001429" | "20070085303" | "20070090619" | "20070114738" | "20080224451" | "20080231022" | "20090302578" | "20100140902" | "20140191483" | "20140333039" | "20160046315" | "3000645" | "4542915" | "5201535" | "5338096" | "5567008" | "6045145" | "6209892" | "6286844" | "6378892" | "6443467" | "6513827" | "6561526" | "6676140" | "6752405" | "6851693" | "6923467" | "7249779" | "7311323" | "7320471" | "7367581" | "7377537" | "7401803" | "7475900" | "7481439" | "7497461" | "7677585" | "7681894" | "7766366" | "7832755" | "7896384" | "7938435" | "8029007" | "8029014" | "8033554" | "8061732" | "8157273" | "8231136" | "8251382" | "8262103" | "8336904" | "8444171" | "8458880" | "8585075" | "8596670" | "8696016" | "8733784" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:43 PM

		"8764048" | "8882134" | "8905427" | "8936261" | "9010773" | "9108654" | "9108659" | "9119483" | "9199659" | "9200746" | "9227650" | "9242665" | "9260127" | "9260128" | "9517787" | "9561817" | "9701333" | "9725106" | "9771095" | "9776652" | "9840168" | "9849903" | "9884640" | "9924806" | "9944305" | "9956979" | "D593459").PN. OR ("10730543").URPN.					
L494	45	(Baby near2 Jogger).AS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 02:47 PM
L495	173	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-20130087993-$).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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:56 PM

		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-$ or US- 8398098-$ or US- 7766366-$ or US- 6286844-$ or US- 6513827-$ or US- 8764048-$ or US- 8061732-$).did. or (US- 8733784-$ or US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US-				

		8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$).did. or (US- 9260127-$ or US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US- 5522121-$ or US- 9545941-$ or US- 9056622-$ or US- 9403550-$ or US- 8899615-$ or US- 7364183-$ or US- 9637155-$ or US- 9421992-$ or US- 9545940-$ or US- 9346378-$ or US- 8678498-$ or US- 4915446-$ or US- 4634177-$ or US- 4306749-$).did. or (US- 8851505-$ or US- 8651502-$ or US- 6893040-$ or US- 6446990-$ or US- 5865447-$ or US- 5772279-$ or US- 5567008-$ or US- 8657326-$ or US- 8491000-$ or US- 6155740-$ or US- 5947555-$ or US- 7267359-$ or US- 9776652-$ or US- 9771095-$ or US- 9725106-$ or US- 9701333-$ or US- 8585075-$ or US- 8596670-$ or US- 9956979-$ or US- 9944305-$ or US-				

		9924806-$ or US-9884640-$ or US-9849903-$ or US-9840168-$ or US-10207731-$ or US-10023218-$ or US-6938906-$).did. or (US-D593459-$ or US-D621306-$ or US-8328208-$ or US-7513512-$ or US-10293843-$ or US-10556611-$ or US-10556610-$ or US-10449987-$ or US-10730543-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L496	84	("1707186"|"20010033069"|"20020109321"|"20030025304"|"20060001226"|"20060131841"|"20060290107"|"20070001429"|"20070085303"|"20070090619"|"20070114738"|"20080224451"|"20080231022"|"20090302578"|"20140191483"|"20160046315"|"3000645"|"4542915"|"5201535"|"5338096"|"5567008"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7832755"|"7896384"|"7938435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8585075"|"8596670"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128"|	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:57 PM

		9517787"|"9561817"|"9701333"|"9725106"|"9771095"|"9776652").PN.					
L497	4	L496 not L495	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:58 PM
L499	84	("1707186"|"20010033069"|"20020109321"|"20030025304"|"20060001226"|"20060131841"|"20060290107"|"20070001429"|"20070085303"|"20070090619"|"20070114738"|"20080224451"|"20080231022"|"20090302578"|"20140191483"|"20160046315"|"3000645"|"4542915"|"5201535"|"5338096"|"5567008"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7832755"|"7896384"|"7938435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8585075"|"8596670"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128"|"9517787"|"9561817"|"9701333"|"9725106"|"9771095"|"9776652").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 09:06 PM
L500	41	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 11:39 PM
L501	10	(Lee near2 (Jon and Hee)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 11:43 PM
L502	25	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 11:56 PM

L503	5	(Simpson near2 (Stacy and Noel)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/11 12:00 AM
L504	1	("7475900").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/15 03:29 PM
L505	1	("9260127").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/15 11:58 PM
L506	4378	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/04/11 11:36 PM
L507	3086	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/04/11 11:36 PM
L508	6262	L506 or L507	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/04/11 11:36 PM
L509	2515828	@pd>="20200910"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/04/11 11:47 PM
L510	120	L508 and L509	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/04/11 11:48 PM
L511	1	("6286844").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/04/22 11:33 AM
L512	1	("10730543").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/04/22 12:44 PM
L513	4404	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/07/02 08:37 PM
L514	3109	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/07/02 08:37 PM
L515	6295	L513 or L514	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/07/02 08:37 PM
L516	184287	@pd>="20210411"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/07/02 08:37 PM
L517	15	L515 and L516	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/07/02 08:38 PM
L518	12	"22994051".FMID.	(US-PGPUB; USPAT; FPRS; JPO)	OR	ON	ON	2021/07/02 08:52 PM
L522	4494	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/08/11 03:57 PM
L523	3202	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/08/11 03:57 PM
L524	6428	L522 or L523	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/08/11 03:57 PM

L525	81312	@pd>="20210702"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/08/11 03:58 PM
L526	6	L524 and L525	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/08/11 03:58 PM
L527	427	("10000226" | "10023218" | "10077063" | "10144442" | "10150496" | "10155528" | "10239550" | "10414423" | "10442453" | "10449987" | "10556610" | "20020041082" | "20030094791" | "20040090046" | "20050150053" | "20050167951" | "20050225056" | "20050242548" | "20050264064" | "20070013167" | "20070031224" | "20070045975" | "20070085303" | "20070108710" | "20070126195" | "20070187914" | "20070241524" | "20080079240" | "20080093825" | "20080211206" | "20080224450" | "20080231023" | "20090194973" | "20090206566" | "20090295128" | "20090315299" | "20100038887" | "20100052277" | "20100109293" | "20100127480" | "20100140902" | "20100230933" | "20100237637" | "20110012324" | "20110062676" | "20110148076" | "20110163519" | "20110181024" | "20110193325" | "20110221169" | "20110266762" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/08/11 03:59 PM

		"20110272925" | "20110291388" | "20110291389" | "20110309658" | "20120242062" | "20130113185" | "20130153616" | "20130154215" | "20130154322" | "20130227817" | "20130270800" | "20140044472" | "20140054939" | "20140056638" | "20140167393" | "20140183843" | "20140191483" | "20150021872" | "20150042075" | "20150074947" | "20150076774" | "20150108738" | "20150136553" | "20150152665" | "20150158334" | "20150197268" | "20150274188" | "20150291200" | "20150375766" | "20160001804" | "20160046314" | "20160159385" | "20160288814" | "20160332655" | "20170021851" | "20170144686" | "20170203779" | "20170217471" | "20170240197" | "20170297600" | "20170313337" | "20180001950" | "20180029625" | "20180111636" | "20190009811").PN. OR ("20190168794" | "20190193769" | "20190256121" | "2907372" | "3084949" | "4142027" | "4191397" | "4354689" | "4786064" | "4834403" | "4953880" | "5197753" | "5201535" | "5203577" | "5215320" | "5230523" | "5240265" | "5265931" | "5364137" | "5499831" | "5516142" | "5517718" | "5562300" |				

		"5596910" | "5601297" | "5625923" | "5634537" | "5660430" | "5676386" | "5718439" | "5765665" | "5794951" | "5845917" | "5845924" | "5893606" | "5935010" | "5975545" | "5988670" | "6022042" | "6045145" | "6062577" | "6070890" | "6086086" | "6086087" | "6102167" | "6102431" | "6120041" | "6120054" | "6155592" | "6163924" | "6176459" | "6176507" | "6193263" | "6238125" | "6241274" | "6250652" | "6264007" | "6270111" | "6286844" | "6308805" | "6318807" | "6341672" | "6347777" | "6375213" | "6375260" | "6398233" | "6402114" | "6412809" | "6439521" | "6443468" | "6446990" | "6478327" | "6478328" | "6478376" | "6499786" | "6502669" | "6513827" | "6554298" | "6557870" | "6557885" | "6572134" | "6592132" | "6595583" | "6598712" | "6626452" | "6666473" | "6692015" | "6715783" | "6736451" | "6742791" | "6793283" | "6793292" | "6830260" | "6851700" | "6863286" | "6869096" | "6896286" | "6908087" | "6983986" | "6991248" | "7017937" | "7032922" | "7044497" | "7059452" | "7070197" | "7083175" | "7118121" | "7188858" | "7210699" | "7213818" | "7232019" | "7267359" | "7278652" | "7281732" | "7338122" | "7367581" | "7370913" | "7377537" | "7383925" | "7396039" | "7401803" | "7404569" | "7410186" | "7445228").PN. OR ("7455336" | "7475900" | "7497449" | "7497461" | "7500692" | "7537093" | "7550692" | "7566068" | "7597396" | "7600775" | "7614641" | "7618093" | "7632035" | "7658399"				

		| "7677590" | "7681894" | "7686322" | "7686323" | "7694980" | "7694995" | "7712765" | "7753398" | "7766366" | "7766367" | "7780183" | "7784801" | "7798500" | "7798515" | "7832755" | "7871099" | "7871100" | "7900952" | "7909353" | "7918001" | "7922182" | "7946650" | "7971884" | "7971897" | "7971933" | "8033555" | "8056975" | "8061732" | "8087680" | "8087688" | "8092111" | "8100429" | "8157273" | "8162025" | "8172243" | "8172253" | "8186705" | "8205906" | "8205907" | "8220118" | "8226110" | "8226111" | "8231136" | "8240700" | "8251382" | "8262103" | "8276935" | "8282120" | "8291555" | "8313115" | "8316999" | "8322744" | "8366127" | "8371606" | "8376375" | "8382127" | "8382150" | "8388254" | "8393679" | "8398096" | "8398111" | "8398143" | "8414012" | "8418816" | "8444170" | "8448977" | "8458880" | "8459665" | "8474836" | "8474854" | "8485546" | "8490757" | "8491000" | "8505956" | "8517412" | "8550489" | "8556780" | "8567311" | "8567866" | "8585063" | "8585075" | "8590919" | "8596669" | "8596670" | "8602442" | "8608190" | "8616638" | "8635743" | "8646158" | "8651502" | "8657308" | "8657311" | "8662516" | "8672341" | "8678498" | "8696015" | "8702118" | "8708364" | "8713765" | "8714581" | "8720936" | "8764048" | "8777253" | "8789662" | "8827283" | "8840132" | "8844964" | "8851505" | "8864166" | "8876147" | "8882134").PN. OR ("8899614" | "8899615" | "8905427" | "8905428"					

		| "8919806" | "8919807" | "8936261" | "8955856" | "8955868" | "8955869" | "8960734" | "8961057" | "8973217" | "8985616" | "8991838" | "8991853" | "8991854" | "8997948" | "9010773" | "9044104" | "9050993" | "9067613" | "9085312" | "9090125" | "9108658" | "9108659" | "9139044" | "9150236" | "9174662" | "9193370" | "9193373" | "9205855" | "9216755" | "9260127" | "9260128" | "9327752" | "9399477" | "9403449" | "9403549" | "9403550" | "9415790" | "9428208" | "9463822" | "9481206" | "9493178" | "9517786" | "9517789" | "9522615" | "9540028" | "9545940" | "9545941" | "9561816" | "9610966" | "9630642" | "9637153" | "9643640" | "9701332" | "9725107" | "9776652" | "9796404" | "9815487" | "9821831" | "9840168" | "9849903" | "9862401" | "9884640" | "9902417" | "9908551" | "9944305" | "9950730" | "9962011" | "D576084" | "D643344" | "D643345" | "D643346" | "D643786" | "D683974" | "D699633" | "D716705" | "D756852").PN. OR ("11059510").URPN.					
L528	2	("20130270800" | "8157273").PN. OR ("11052933").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/08/11 04:01 PM
L529	2	("20130270800" | "8157273").PN. OR ("11052933").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/08/11 04:03 PM
L530	2	"49324395".FMID.	(US-PGPUB; USPAT; FPRS; JPO)	OR	ON	ON	2021/08/11 04:04 PM
L531	21	("0522608" | "0677195" | "0720692" | "3997180" | "4620686" | "7364183" | "7475900" | "8157273" | "8398143" | "8444171" | "8596670" | "D598333").PN. OR ("8844964").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/08/11 04:05 PM

L532	1	("20200385045").pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	OR	ON	ON	2021/10/13 12:35 AM
L533	111	500 501 502 503 494	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	OR	ON	ON	2021/10/13 09:34 AM
L534	3	500 501 502 503 494	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	AND	ON	ON	2021/10/13 09:35 AM
L535	92	500 501 502 503	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2021/10/13 09:36 AM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)				
L536	19	533 NOT 535	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	OR	ON	ON	2021/10/13 09:36 AM
L537	12	"57325932".fmid.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; JPO)	OR	ON	ON	2021/10/13 09:38 AM
L538	6	"38367586".fmid.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; JPO)	OR	ON	ON	2021/10/14 09:55 AM
L539	30	("3145442" | "5865447" | "5947555" | "6446314" | "7032922" | "20040164593").pn. OR ("7681894").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/10/14 09:56 AM
L540	3527	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/10/14 11:06 AM

L541	4425	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/10/14 11:06 AM
L542	819242	@pd>="20210811"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)	OR	ON	ON	2021/10/14 11:06 AM
L543	6717	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)	OR	ON	ON	2021/10/14 11:14 AM
L544	6006	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)	OR	ON	ON	2021/10/14 11:14 AM
L545	10662	544 543	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO,	OR	ON	ON	2021/10/14 11:14 AM

			MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)				
L546	2061	544 543	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)	AND	ON	ON	2021/10/14 11:14 AM
L547	36	545 AND 542	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)	AND	ON	ON	2021/10/14 11:15 AM
L548	10	("20100244408" | "20110012324" | "20110241313" | "20150259005" | "20180027989" | "20190256120" | "20190320812" | "20190320814" | "20190322304" | "20200239058").pn. OR ("11091186").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	AND	ON	ON	2021/10/14 11:27 AM
L549	1	("7475900").pn.	(US-PGPUB; USPAT; USOCR)	AND	ON	ON	2021/10/14 09:17 PM
L550	67	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2021/10/15 09:23 AM

			EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)				
L551	6	(Simpson near2 (Stacy AND Noel)).in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:23 AM
L552	29	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:24 AM
L553	18	(Lee near2 (Jon AND Hee)).in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:24 AM
L554	92	550 551 552 553	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2021/10/15 09:25 AM

			AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)				
L555	6	550 551 552 553	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	AND	ON	ON	2021/10/15 09:25 AM
L556	49	(Baby near2 Jogger).AS.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:26 AM
L557	167	545 AND (seat near2 (attach$4 AND convert$4))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	OR	ON	ON	2021/10/15 09:43 AM

			JPO; DERWENT)				
L558	405	545 AND ((double OR tandem) SAME stroller)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:45 AM
L559	115914245	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:46 AM
L560	3529	545 AND 559	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:46 AM
L561	146	560 AND ((double OR tandem) SAME stroller)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:46 AM
L562	10	("6595583" | "7559606" | "7681894" | "8033555").pn. OR ("8313115").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/10/15 09:49 AM
L563	1	"52582129".fmid.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; JPO)	OR	ON	ON	2021/10/15 11:58 AM
L564	1	("2015/0061249").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/10/15 11:58 AM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N163	0	(A seat attachment for a stroller, comprising a	(US-PGPUB; USPAT)	AND	ON	ON	2014/02/03 05:17 PM

		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.					
N164	0	(seat attachment stroller separate left right attachment portion connector portion removably connecting frame adjacent front wheel seat support element removably connecting seat forward backward position).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/02/04 09:35 AM
N165	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)	AND	ON	ON	2014/02/04 09:46 AM
N166	1	(seat attach$4 stroller separate left right connect$4 remov$4 frame wheel support$4).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/02/04 09:46 AM
N167	19	(seat attach$4 stroller left right connect$4	(US-PGPUB; USPAT)	AND	ON	ON	2014/02/04 09:47 AM

		remov$4 frame wheel).clm.					
N213	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)	AND	ON	ON	2014/09/24 02:26 PM
N214	1	(seat attach$4 stroller separate left right connect$4 remov$4 frame wheel support$4).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/09/24 02:26 PM
N215	19	(seat attach$4 stroller left right connect$4 remov$4 frame wheel).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/09/24 02:26 PM
N216	19	(seat$3 attach$4 stroller left right connect$4 remov$4 fram$3 wheel).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/09/24 02:29 PM
N217	68	(seat$3 attach$4 stroller connect$4 remov$4 fram$3 wheel).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/09/24 02:29 PM
N218	5	("20020036391" | "20070069505" | "20070187914" | "4753453" |	(US-PGPUB; USPAT)	OR	ON	ON	2014/09/24 02:32 PM

		"4779883").PN. OR ("8033554").URPN.					
N248	4	(US-20070187914-$).did. or (US-7311323-$ or US-8444171-$ or US-8033554-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2015/04/20 02:14 PM
N411	0	(A stroller, comprising a stroller frame a plurality of wheels coupled to the stroller frame a first seat coupled to the stroller frame a first seat attachment housing disposed along a first portion of the stroller frame and comprising a first adapter receiving cavity extending through the first seat attachment housing and a first door rotatably coupled to the first seat attachment housing along a top end of the first adapter receiving cavity, wherein the first door rotates from a closed configuration, preventing access to the first adapter receiving cavity from a top side of the first seat attachment housing to an open configuration allowing access to the first adapter receiving cavity from the top side of the first seat attachment housing a second seat attachment housing disposed along a second portion of the stroller frame and comprising a second adapter receiving cavity extending through the second seat attachment housing and a second door rotatably coupled to the second seat attachment housing along a second top end of the second adapter receiving cavity, wherein the second door rotates from a second closed	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 04:52 PM

		configuration, preventing access to the second adapter receiving cavity from a top side of the second seat attachment housing, to a second open configuration allowing access to the second adapter receiving cavity from the top side of the second seat attachment housing a first removable seat attachment adapter removably coupled to the first seat attachment housing and a second removable seat attachment adapter removably coupled to the second seat attachment housing).CLM.					
N412	0	(stroller frame wheel seat attachment housing first adapter receiving cavity extending through housing first door rotatably coupled to housing closed configuration preventing access to cavity from top side open configuration allowing access to cavity first removable seat attachment adapter removably coupled to housing and second removable seat attachment adapter removably coupled to housing).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 04:55 PM
N413	1	(stroller frame wheel seat attach$4 hous$4 adapter receiv$4 cavity extend$4 door rotat$4 closed configuration prevent$4 access$4 open configuration allow$4 access).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 04:56 PM
N414	1	(stroller frame wheel seat attach$4 hous$4 adapter receiv$4 cavity	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:21 PM

		door rotat$4 closed configuration prevent$4 access$4).CLM.					
N415	1	(stroller wheel seat attach$4 hous$4 cavity door closed configuration prevent$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:22 PM
N416	1	(stroller wheel seat attach$4 hous$4 cavity door clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:22 PM
N417	1	(stroller seat attach$4 hous$4 cavity door clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:23 PM
N418	1	(stroller seat$3 attach$4 cavity door clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:24 PM
N419	1	(stroller seat$3 cavity door clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:24 PM
N420	3	(stroller seat$3 door clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:24 PM
N421	2	(stroller seat$3 cavit$3 clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:26 PM
N422	21	(stroller seat$3 cavit$3 clos$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:26 PM
N442	5	(US-20090243261-$).did. or (US-7938435-$ or US-6447001-$ or US-8585075-$ or US-8596670-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2019/04/15 11:03 AM
N463	2	(US-20090243261-$).did. or (US-6447001-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2019/08/23 01:02 AM
N477	2	(US-20090243261-$).did. or (US-6447001-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2020/03/01 11:02 PM
N478	0	(A stroller, comprising a stroller frame comprising a first upper tube support frame a second upper tube support frame a first front wheel support frame rotatable with respect to the first upper tube support frame a second front wheel support frame rotatable with respect to the second upper tube support frame a first back wheel support	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:05 PM

		frame rotatable with respect to the first upper tube support frame a second back wheel support frame rotatable with respect to the second upper tube support frame a plurality of wheels comprising at least one front wheel and a plurality of back wheels a first seat coupled to the stroller frame at a first vertical position of the stroller frame a first seat attachment housing disposed along the first front wheel support frame a first seat attachment adapter removably coupled to the first seat attachment housing stroller frame at a second vertical position of the stroller frame that is below the first vertical position a second seat attachment housing disposed along the second front wheel support frame a second seat attachment adapter removably coupled to the second seat attachment housing at a third vertical position of the stroller frame that is below the first vertical position wherein the first seat is coupled along the first upper tube support frame and the second upper tube support frame and wherein a second seat is removably coupled to the first seat attachment adapter and the second seat attachment adapter to position the second seat at a fourth vertical position that is below the first vertical position).CLM.					
N479	1	(stroller frame wheel first seat first vertical	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:07 PM

		position attachment housing adapter removably coupled below).CLM.					
N480	1	(stroller frame wheel seat vertical position attach$4 hous$4 adapt$4 remov$4 coupl$4 below).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:10 PM
N481	4	(stroller frame wheel seat attach$4 hous$4 adapt$4 remov$4 coupl$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:10 PM
N482	11	(stroller frame wheel seat attach$4 adapt$4 remov$4 coupl$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:11 PM
N483	33	(stroller frame wheel seat attach$4 adapt$4 remov$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:12 PM
N498	2	(US-20090243261-$).did. or (US-6447001-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2020/09/10 02:56 PM
N519	37	(stroller frame wheel seat attach$4 adapt$4 remov$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2021/07/02 08:50 PM
N520	37	(stroller frame wheel seat attach$4 adapt$4 remov$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2021/07/02 08:50 PM
N521	0	N519 not N520	(US-PGPUB; USPAT)	AND	ON	ON	2021/07/02 08:50 PM
N532	0	(A stroller, comprising a stroller frame comprising a first upper tube support frame a second upper tube support frame a front wheel support frame rotatably adjusted to be substantially parallel with respect to the first upper tube support frame when the stroller frame is unfolded from a folded configuration a back wheel support frame rotatably adjusted to be substantially parallel with respect to the first upper tube support frame when the stroller frame is unfolded from a folded configuration a plurality of wheels comprising at least one front wheel	(US-PGPUB; USPAT)	AND	ON	ON	2021/08/12 04:23 PM

		and a plurality of back wheels a first seat coupled along the first upper tube support frame and the second upper tube support frame at a first vertical position of the stroller frame a first seat attachment adapter coupled to the front wheel support frame at a second vertical position of the stroller frame that is below the first vertical position a second seat attachment adapter coupled to the front wheel support frame at a third vertical position of the stroller frame that is below the first vertical position wherein a second seat is removably coupled to the first seat attachment adapter and the second seat attachment adapter to position the second seat at a fourth vertical position that is below the first vertical position).CLM.					
N533	0	(stroller frame wheel fold$4 seat$4 vertical$4 position$4 attach$4 adapter coupl$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2021/08/12 04:31 PM
N534	0	(stroller fram$4 wheel fold$4 seat$4 vertical$4 position$4 attach$4 adapter).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2021/08/12 04:34 PM
N535	54	(stroller fram$4 wheel fold$4 seat$4 vertical$4 position$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2021/08/12 04:35 PM
N536	70	("4834415" | "4886289" | "5018754" | "5167425" | "5417449" | "5664795" | "5769448").PN. OR ("6086087").URPN.	(US-PGPUB; USPAT)	OR	ON	ON	2021/08/12 04:51 PM
N537	32	("20010013688" | "20030020259" | "20060226635" | "20060290107" | "20090039620" | "20100038886" | "20100078916" |	(US-PGPUB; USPAT)	OR	ON	ON	2021/08/12 05:01 PM

		"20100244393" | "3223431" | "4542915" | "4725071" | "4858947" | "4886289" | "5221106" | "5333893" | "5417449" | "5624152" | "5887935" | "6086087" | "6267406" | "6530591" | "6843498" | "6935652" | "7475900" | "D360392").PN. OR ("8602441").URPN.					

Bibliographic Data

Application No: 16/903,292

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /JAMES M DOLAK/ Examiner's Signature | Initials

Title: REMOVABLE SEAT ATTACHMENT FOR A STROLLER

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
06/16/2020	280	3618	34757-2446
RULE			

APPLICANTS

Baby Jogger, LLC, Richmond, VA,

INVENTORS

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Megan ROE, Kalamazoo, MI, UNITED STATES

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Mark ZEHFUSS, Glen Allen, VA, UNITED STATES

CONTINUING DATA

This application is a CON of 15912901 03/06/2018 PAT 10730543

15912901 is a CON of 15225326 08/01/2016 PAT 9944305

15225326 has PRO of 62311224 03/21/2016

15225326 is a CIP of 14597420 01/15/2015 PAT 9403550

14597420 is a CON of 14261558 04/25/2014 PAT 8955869

14261558 is a CON of 12633751 12/08/2009 PAT 8474228

12633751 has PRO of 61119920 12/04/2008

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

08/28/2020

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UNITED STATES

ADDRESS

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999 Peachtree Street

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Application	Document	Mailroom Date	Attorney Docket No.
16903292	CTNF	10/21/2021	34757-2446
	892	10/21/2021	34757-2446

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PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

Electronic Acknowledgement Receipt

EFS ID:	44648703
Application Number:	16903292
International Application Number:	
Confirmation Number:	2406
Title of Invention:	REMOVABLE SEAT ATTACHMENT FOR A STROLLER
First Named Inventor/Applicant Name:	Jon Hee LEE
Customer Number:	134811
Filer:	Christopher Chan
Filer Authorized By:	
Attorney Docket Number:	34757-2446
Receipt Date:	31-DEC-2021
Filing Date:	16-JUN-2020
Time Stamp:	17:00:49
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	34757_2446_Response_Non_Final_Office_Action_12312021.pdf	537009 153ffe2dac026cb6a65ea42c2381f0fb4691ec89	no	17

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
16/903,292	**01/03/2022 01:04:36 PM ET**	**34757-2446**

Title of Invention

REMOVABLE SEAT ATTACHMENT FOR A STROLLER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2406	FILED BY	Kimberly Moore
PATENT CENTER #	60469187	FILING DATE	06/16/2020
CUSTOMER #	134811	FIRST NAMED INVENTOR	Jon Hee LEE
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Christopher Chan

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
34757-2446_Replacement-Sheets-Figures-1-and-3.pdf	2	Drawings-only black and white line drawings	90 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
34757-2446_Replacement-Sheets-Figures-1-and-3.pdf	EB74F4FD9F74586570869E33D0516B7421DDB722DA3D13FC03679A233278C783E55DE1AED5E5B6E47B66FD5E068737FB24F9F723713A00BF0B27CB672C6837E5

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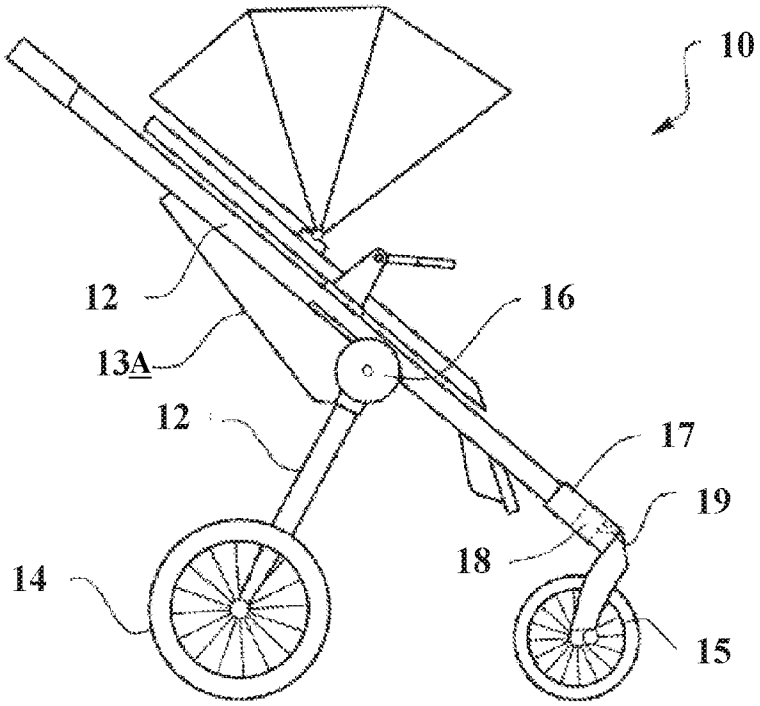

FIGURE 1

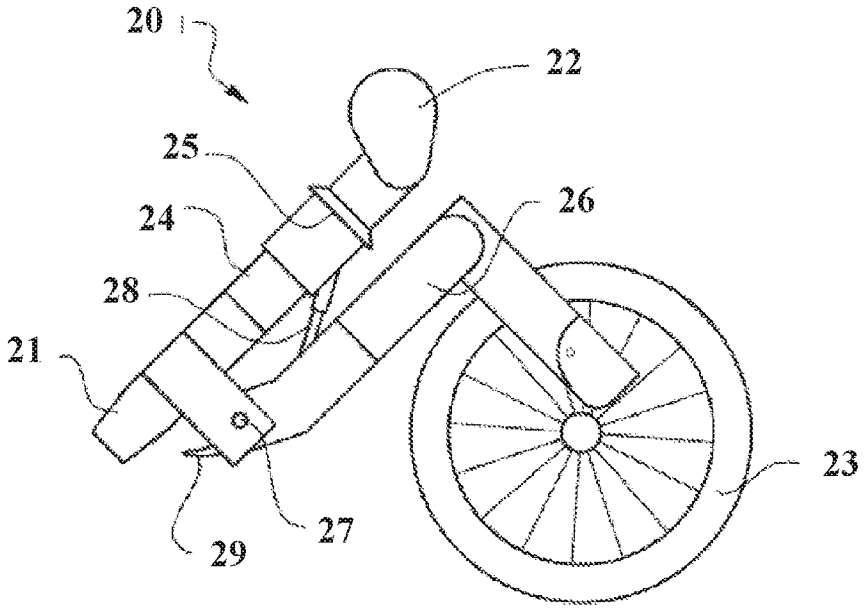

FIGURE 2

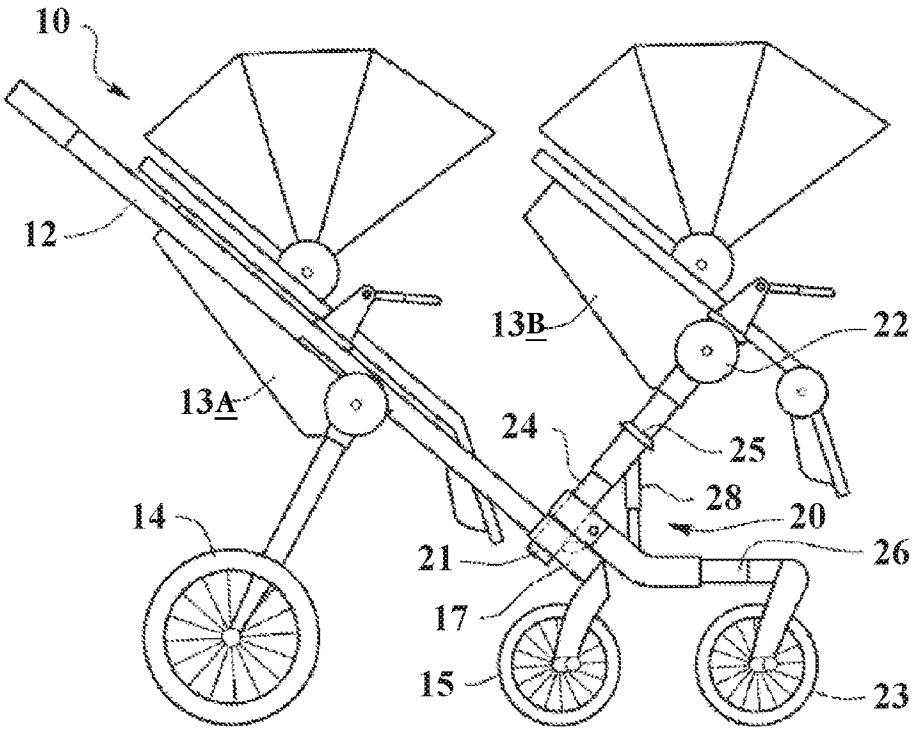

FIGURE 3

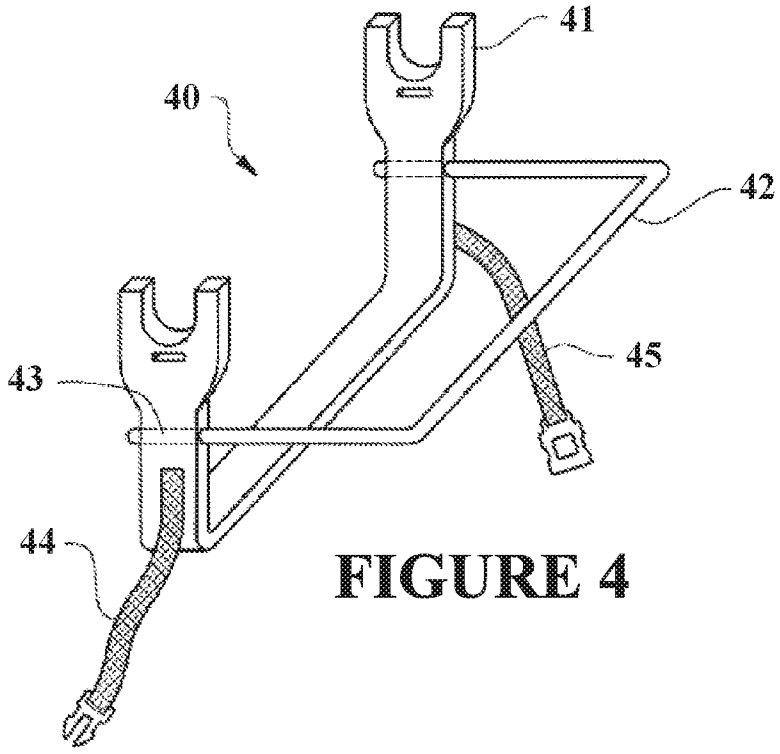

FIGURE 4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Jon Hee Lee, et al.**	)	Customer No.: **134811**
Serial No.: **16/903,292**	)	Confirmation No.: **2406**
Filing Date: **June 16, 2020**	)	Art Unit: **3618**
For: **REMOVABLE SEAT ATTACHMENT FOR A STROLLER**	)	Examiner: **James M Dolak**
	)	Attorney Docket No.: **34757-2446**

AMENDMENT AND RESPONSE TO NON-FINAL OFFICE ACTION

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

Dear Commissioner:

Responsive to the Non-Final Office Action ("Office Action") dated October 21, 2021, the Applicant submits the enclosed Amendment and Response. In light of the amendments and remarks included herein, it is respectfully asserted that all pending claims are patentable, and it is respectfully requested that this application be allowed.

Amendments to the Drawings begin on page 2;

Amendments to the Specification begin on page 3;

Amendments to the Claims begin on page 5; and

Remarks, begin on page 8.

AMENDMENTS TO THE DRAWINGS

Please enter the amended drawings as described below. These amendments to the drawings are supported by the specification and drawings as filed and do not introduce new matter.

Figures 1 and 3 have been amended to show the claimed first seat as 13A and second seat as 13B. The amendments to Figures 1 and 3 are supported by the specification and drawings, as filed, and do not introduce new matter. Replacement sheets for Figures 1 and 3 are filed with the present Response.

AMENDMENTS TO THE SPECIFICATION

Please enter the following changes to the Specification as indicated by paragraph numbers corresponding to the Applicant's published application.

[0026] Figure 1 presents a side elevation view of a single stroller apparatus 10 according to one example embodiment of the disclosure. Referring to Figure 1, it 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 example single stroller 10 includes a frame 12 that supports a seat 13A. The frame 12 may optionally include at least one, and in certain embodiments preferably two, folding mechanisms 16 that allow the stroller 10 to be folded to a more convenient size for storing or transporting the stroller 10.

[0027] In the example embodiment of Figure 1, the seat 13A is shown as a typical stroller seat. However, other types of seats may be used in a single stroller. The seat 13A 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 of being connected and disconnected by the user of the stroller 10 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. The frame 12 is supported on a pair of back wheels 14 and a pair of front wheels 15. In this example embodiment, the back wheels 14 are fixed and do not swivel or pivot on the frame 12 while the pair of front wheels 15 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 and considered as an option as part of this disclosure. In certain example embodiments, the single stroller 10 does not require pairs of front 15 or rear 14 wheels and either the front pair of wheels 15 or the back pair of wheels 14 may be substituted with a single wheel. In certain example embodiments, the single stroller 10, including umbrella strollers, jogging strollers, all-terrain strollers, as well as other strollers may only include one front wheel 15.

[0034] Figure 3 presents a side elevation view of a combination of the single stroller 10 of

Figure 1 attached to the seat attachment 20 of Figure 2 according to one example embodiment of the disclosure. Referring to Figure 3, the seat attachment 20 removably coupled to the single stroller 10 to form a double stroller. The double stroller configuration is shown with two stroller seats 13A, 13B 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~~ attachment element 22 of the seat attachment 20 may be capable of supporting the front stroller seat 13B in either a forward-facing or backward-facing position.

AMENDMENTS TO THE CLAIMS

Please amend the claims as shown below. This listing of claims will replace all prior versions and listing of claims for this application.

1. (Currently Amended) A stroller, comprising:

a stroller frame;

a plurality of wheels comprising at least one ~~front~~ central wheel and a plurality of back wheels;

a first seat coupled to the stroller frame at a first vertical position of the stroller frame and configured to hold a first child in the stroller;

a first seat attachment housing coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical position, wherein a first front wheel extends from a front of the stroller;

a second seat attachment housing coupled to the stroller frame at a third vertical position of the stroller frame that is below the first vertical position, wherein a second front wheel extends from the front of the stroller;

wherein a first seat attachment adapter is ~~configured to be removably~~ coupled to the first seat attachment housing and wherein a second seat attachment adapter is ~~configured to be removably~~ coupled to the second seat attachment housing.

2. (Currently Amended) The stroller of claim 1, further comprising:

the first seat attachment adapter removably coupled to the first seat attachment housing via a first connector portion; and

the second seat attachment adapter removably coupled to the second seat attachment housing via a second connector portion.

3. (Original) The stroller of claim 2, further comprising a second seat removably coupled to the first seat attachment adapter and the second seat attachment adapter.

4. (Original) The stroller of claim 2, wherein each of the first seat attachment adapter and the second seat attachment adapter has a first end and a distal second end.

5. (Currently Amended) stroller of claim 4, wherein the first end comprises a first or second connector portion and is releasably connected to one of the first seat attachment housing and the second seat attachment housing.

6. (Original) The stroller of claim 4, wherein the second end is releasably connected to a second seat.

7. (Original) The stroller of claim 3, wherein the first seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat, a second car seat, a second stroller seat, a second bassinet, a second baby carrier, or a second pram.

8. (Withdrawn) The stroller of claim 1, further comprising:

a third seat attachment adapter coupled to the stroller frame at the first vertical position; and

a fourth seat attachment adapter coupled to the stroller frame at the first vertical position;

wherein the first seat is removably coupled to the third seat attachment adapter and the fourth seat attachment adapter.

9. (Original) The stroller of claim 1, wherein the second vertical position and the third vertical position are at a same vertical height.

10. (Withdrawn) The stroller of claim 1, wherein the stroller frame comprises:

a first upper tube support frame;

a second upper tube support frame;

a first front wheel support frame configured to rotate with respect to the first upper tube support frame;

a second front wheel support frame configured to rotate with respect to the second upper tube support frame;

a first back wheel support frame configured to rotate with respect to the first upper tube support frame; and

a second back wheel support frame configured to rotate with respect to the second upper tube support frame.

11. (Withdrawn) The stroller of claim 10, wherein the first seat is coupled along the first upper tube support frame and the second upper tube support frame, wherein the first seat attachment housing is coupled to the first front wheel support frame, and wherein the second seat attachment housing is coupled to the second front wheel support frame.

12. (Withdrawn) The stroller of claim 10, further comprising a handle comprising a first end coupled to the first upper tube support frame and a distal second end coupled to the second upper tube support frame.

13. (Original) The stroller of claim 1, wherein the first seat attachment housing and the second seat attachment housing are part of the stroller frame.

14. (Withdrawn) A stroller, comprising:

a stroller frame comprising:

a first upper tube support frame;

a second upper tube support frame;

a first front wheel support frame configured to rotate with respect to the first upper tube support frame;

a second front wheel support frame configured to rotate with respect to the second upper tube support frame;

at least one back wheel support frame; and

a stroller handle provided along an end of the first upper tube support frame and the second upper tube support frame;

a first front wheel operably coupled to the first front wheel support frame;

a second front wheel operably coupled to the second front wheel support frame;

a plurality of back wheels operably coupled to the at least one back wheel support frame;

a first seat coupled along the first upper tube support frame and the second upper tube support frame and configured to hold a first child in the stroller;

a first seat attachment housing coupled to the first front wheel support frame;

a second seat attachment housing coupled to the second front wheel support frame;

a first seat attachment adapter removably coupled to the first seat attachment housing;

a second seat attachment adapter removably coupled to the second seat attachment housing; and

a second seat removably coupled to the first seat attachment adapter and the second seat attachment adapter and configured to hold a second child in the stroller.

15. (Withdrawn) The stroller of claim 14, wherein the first seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat, a second car seat, a second stroller seat, a second bassinet, a second baby carrier, or a second pram.

16. (Withdrawn) The stroller of claim 14, wherein the first seat is removably coupled along the stroller frame.

17. (Withdrawn) The stroller of claim 14, further comprising:

a third seat attachment adapter coupled to the first upper tube support frame; and

a fourth seat attachment adapter coupled to the second upper tube support frame;

wherein the first seat is removably coupled to the third seat attachment adapter and the fourth seat attachment adapter.

18. (Withdrawn) A stroller, comprising:

a stroller frame comprising:

a first upper tube support frame;

a second upper tube support frame;

a front wheel support frame configured to rotate with respect to the first upper tube support frame and the second upper tube support frame;

at least one back wheel support frame; and

a stroller handle provided along an end of the first upper tube support frame and an end of the second upper tube support frame;

at least one front wheel operably coupled to the front wheel support frame;

at least one back wheel operably coupled to the at least one back wheel support frame;

a first seat attachment housing coupled to the front wheel support frame;

a second seat attachment housing coupled to the front wheel support frame;

a first seat attachment adapter removably coupled to the first seat attachment housing;

a second seat attachment adapter removably coupled to the second seat attachment housing;

a third seat attachment adapter coupled to the first upper tube support frame;

a fourth seat attachment adapter coupled to the second upper tube support frame;

a first seat removably coupled along the third seat attachment adapter and the fourth seat attachment adapter and configured to hold a first child in the stroller; and

a second seat removably coupled to the first seat attachment adapter and the second seat attachment adapter and configured to hold a second child in the stroller.

19. (Withdrawn) The stroller of claim 18, wherein the at least one back wheel support frame is rotatable with respect to the first upper tube support frame and the second upper tube support frame.

20. (Withdrawn) The stroller of claim 18, wherein the first seat attachment housing and the second seat attachment housing are part of the stroller frame.

REMARKS

The present Response is responsive to the Non-Final Office Action mailed October 21, 2021. After consideration of the Applicant's Response to the Election / Restriction Requirement filed on October 1, 2021, electing Species A to the embodiment of Fig. 1-3 (single stroller with seat attachment), claims 1-7, 9, and 13 remain pending, and claims 8, 10-12, and 14-20 (Species F – Figures 8A-8H) have been withdrawn from consideration, without prejudice to filing continuation and/or divisional applications. Upon allowance of any of the pending claims, Applicant requests rejoinder of any withdrawn claims in the application, and consideration of the patentability of the withdrawn claims over the cited references.

After entry of the present Amendment and Response, claims 1-20 remain pending with claims 8, 10-12, and 14-20 having been withdrawn. Without admitting to the propriety of the rejection and to facilitate examination of the application, Applicant's independent claim 1 and dependent claim 5 are amended to clarify the scope of the Applicant's claimed subject matter. The amendments are fully supported by the Applicant's specification at least at paragraphs [0029]-[0033] and FIGs 1-3 of the Applicant's published application, and no new subject matter has been added. Expedient consideration and allowance of the present claims is respectfully requested.

Although this Amendment and Response includes amendments to the claims and may include characterizations of claim scope and/or the applied references, Attorney for the Assignee is not conceding that the subject matter encompassed by the claims at any stage of prosecution of this application prior to this Amendment is unpatentable over the art cited during prosecution of this application. Rather, any claim amendments or characterizations are being made solely to facilitate expeditious prosecution of this application. Attorney for the Assignee respectfully reserves the right to pursue at a later date – in this or in one or more divisional and/or continuing applications – any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure.

Reconsideration and allowance of this application is respectfully requested in view of the above-described claim amendments and the remarks presented below.

Request for Examiner Interview

Prior to the mailing of any further Office Actions, Applicant requests the courtesy of a telephone interview with the Examiner to discuss any remaining issues of patentability. The Examiner is invited to contact Christopher J. Chan (Reg. No. 44,070), the Attorney for the Applicant, at 404.853.8049 to schedule the interview.

Drawing Objections

The drawings were objected to under 37 C.F.R. § 1.83(a) for not showing every feature of the invention specified in the claims. Specifically, the Examiner objected to the drawings not including different reference numbers (22) to designate seat support element and seat attachment element, as well (13) for first seat and second seat. While Applicant disagrees that all elements must be designated with a reference number in the drawings, Applicant has amended the drawings to include reference numbers for certain particular elements. For example, Figures 1 and 3 have been amended to include reference numerals for the identified elements including first seat 13A and second seat 13B. However, in Figures 1-3, it appears that the wheels 14, 15, and 23 are separately indicated with element numbers, and no correction appears to be needed. The amendments to Figures 1 and 3 do not introduce new matter. A replacement sheet for Figures 1 and 3 is being submitted with this response. In response to the amendments to Figures 1 and 3, the specification has also been amended to include the new reference numbers. No new matter is introduced by way of the amendments to the specification.

Further, the Examiner objects to certain claim elements as allegedly not being shown in the drawings. While Applicant disagrees that all elements must be designated with a reference number in the drawings, each of these objections is addressed as follows:

"at least one front/back wheel". The claim element using the "at least one" element is proper, and should not have to be literally shown in the drawings as just one front or one back wheel. As shown in the drawings, such as the side view in Figure 1, it could be understood from the Figure that there is one front wheel and/or one back wheel. The Applicant's specification appears to clarify that there can be more than one front wheel and/or back wheel.

"a first seat attachment housing" – The claim element "a first seat attachment housing" appears to also be known as "seat attachment 20" in the Figures. No correction is believed to be needed.

"a second seat attachment housing" – The claim element "a second seat attachment housing" appears to also be known as "seat attachment 20" in the Figures. No correction is believed to be needed.

"a first seat attachment adapter" – The claim element "a first seat attachment adapter" appears to also be known as "seat attachment element 24" in the Figures. No correction is believed to be needed.

"a second seat attachment adapter" – The claim element "a second seat attachment adapter" appears to also be known as "seat attachment 24" in the Figures. No correction is believed to be needed.

"the first seat attachment adapter removably coupled to the first seat attachment housing; and the second seat attachment adapter removably coupled to the second seat attachment housing" – This claim element appears to be supported by the Specification at published application paragraphs [0046] and [0047], and is therefore not believed to be necessarily shown in the drawings since one skilled in the art will recognize the scope of the term..

"a second seat" – This claim element has been identified in the newly submitted Replacement Figures 1 and 3 as element 13B.

"a first end and a distal second end" – This claim element appears to be supported in the Specification at published application paragraph [0030]. One skilled in the art will recognize from the Specification which end is the first end and which end is the distal second end.

"a connector portion" – This claim element appears to be element number 21 in the Figures. No correction is believed to be needed.

"wherein the second end is releasably connected to the second seat" – the term "releasably connected" is defined in the Specification in published application paragraph [0027], and is therefore not believed to be necessarily shown in the drawings since one skilled in the art will recognize the scope of the term..

"wherein the first seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat, a second car seat, a second

stroller seat, a second bassinet, a second baby carrier, or a second pram"- this term is defined in the Specification in published application paragraphs [0022] and [0025] and is therefore not believed to be necessarily shown in the drawings since one skilled in the art will recognize the scope of the term.

Accordingly, for at least the above reasons, Applicant respectfully requests that the objection to the drawings be withdrawn.

Rejections - 35 U.S.C. § 112

Claims 1-7, 9, and 13 were rejected under 35 U.S.C. §112(b) for failing to particularly point out and distinctly claim the subject matter which the inventor regards as the invention. More specifically, the Examiner appears to object to the user of the phrase "configured to". While Applicant disagrees with the Examiner's assertion that such language is indefinite and not a positive limitation, Applicant notes that this rejection is moot in view of the amendments to claim 1. The language alleged to be indefinite in the claims has not been removed because the rejection is proper, but solely to move forward the prosecution of this case. Applicant reserves the right to reintroduce such "configured to" language in this or any continuation or divisional application and will address any further objections to that language, including pointing out the number of areas where the MPEP supports the use of this language, at that time. Accordingly, Applicant respectfully requests reconsideration and withdrawal of the rejection of claims 1-7, 9, and 13 under 35 U.S.C. §112(b).

Rejections - 35 U.S.C. §102

Claims 1-5, 7, 9, and 13 are rejected under 35 U.S.C. §102(b) as allegedly being anticipated by U.S. Patent Application Publication No. 7,475,900 to Cheng ("Cheng"). The rejection of the pending claims is traversed.

The rejection of claims 1-5, 7, 9, and 13 is traversed. "A person shall be entitled to a patent unless … (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country before the invention thereof by the applicant for a patent." 35 U.S.C. §102(a). The U.S. Patent and Trademark Office has the

burden under 35 U.S.C. §102 to establish a *prima facie* case of anticipation. A *prima facie* case is made out under 35 U.S.C. §102 if, within 1 year of the filing date, the invention, or an obvious variant thereof, is described in a "printed publication" whose authorship differs in any way from the inventive entity. *In re Katz,* 687 F.2d 450 (CCPA 1982). "A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631 (Fed. Cir. 1987). "The identical invention must be shown in as complete detail as is contained in the ... claim." *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236 (Fed. Cir. 1989) (emphasis added). Furthermore, the elements must be arranged as required by the claim. *In re Bond,* 910 F.2d 831 (Fed. Cir. 1990). Applicant submits that Cheng fails to teach or suggest each and every element of independent claim 1. Accordingly, Applicant asserts that Cheng fails to satisfy the requirements for a prima facie case of anticipation with regard to the independent claim.

A. Independent Claim 1

While Applicant believes that claim 1, as originally presented, is patentable over the cited art of record, Applicant has amended claim 1 to move forward prosecution of this case. Specifically, claim 1 has been amended to recite, in pertinent part, "a plurality of wheels comprising at least one central wheel and a plurality of back wheels; ... a first seat attachment housing coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical position, wherein a first front wheel extends from a front of the stroller; a second seat attachment housing coupled to the stroller frame at a third vertical position of the stroller frame that is below the first vertical position, wherein a second front wheel extends from the front of the stroller; wherein a first seat attachment adapter is coupled to the first seat attachment housing and wherein a second seat attachment adapter is coupled to the second seat attachment housing" (underlining supplied solely to indicate newly added elements). Applicant asserts that Cheng fails to teach or suggest, inter aliaa plurality of wheels comprising at least one central wheel and a plurality of back wheels; ... a first seat attachment housing coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical position, wherein a first front wheel extends from a front of the stroller; a second seat attachment housing coupled to the stroller frame at a third vertical position of the stroller frame that is below the first vertical position, wherein a second front wheel extends from the front of the stroller;

wherein a first seat attachment adapter is coupled to the first seat attachment housing and wherein a second seat attachment adapter is coupled to the second seat attachment housing as recited in amended claim 1.

Cheng appears to be generally directed to a baby stroller frame for connecting two seats to the stroller frame. *See* Cheng, Abstract. With reference to Figure 4 of Cheng, which is relied upon by the Examiner, Cheng relates to "a pair of front extension arms (411) and a pair of rear extension arms (412)." Cheng, col. 3:23-25. Cheng further teaches that "the front extension arms (411) and the pair of rear extension arms (412) [have] support bases (410) and (420), respectively." Cheng, col. 3:25-27. Cheng also teaches that "the support bases (410) and (420) [are] furnished at the ends for detachably securing at least one of a front seat (71) and a rear seat (72)." Cheng, col. 3:27-29.

However, Cheng fails to teach or suggest that the front extension arms 411 and/or the support bases 410 are removably coupled to the stroller frame such that they can be removed from the stroller frame when the second seat is not being used. Further, Cheng fails to teach or suggest that the position of the second seat, when removably coupled to the first and second seat attachment adapters, is positioned at a vertical position that is below the vertical position of the first seat on the stroller frame. In addition, none of the other cited references make up for this lack of teaching in Cheng. Therefore, Cheng fails to teach or suggest each and every element of independent claim 1 and fails to satisfy the requirements for anticipation. Accordingly, reconsideration and withdrawal of this rejection of claim 1 is respectfully requested.

Claims 2-5, 7, 9, and 13 are ultimately dependent from Applicant's amended independent claim 1, for which arguments of patentability have been provided above. If the underlying independent claim is allowable over the cited reference, the corresponding dependent claims should be allowable over the cited reference.

Rejections - 35 U.S.C. §103

Claim 6 is rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over Cheng in view of U.S. Patent No. 6,286,844 to Cone, II et al. ("Cone"). The rejection of the claims under 35 U.S.C. §103 is traversed.

Claim 6 is ultimately dependent from independent claim 1, for which arguments of patentability have been provided above. The additional cited reference Cone does not cure the deficiencies of Cheng. Cone merely relates to certain types of seat attachment adapters for a stroller. Cone does not teach or suggest any of the elements of, "at least one central wheel and a plurality of back wheels; … a first seat attachment housing coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical position, wherein a first front wheel extends from a front of the stroller; a second seat attachment housing coupled to the stroller frame at a third vertical position of the stroller frame that is below the first vertical position, wherein a second front wheel extends from the front of the stroller; wherein a first seat attachment adapter is coupled to the first seat attachment housing and wherein a second seat attachment adapter is coupled to the second seat attachment housing as recited in amended claim 1

Thus, the combination of Cheng and Cone fails to teach or suggest each and every element of independent claim 1. Therefore, the combination of cited art fails to satisfy the *prima facie* requirements of obviousness. Accordingly, Applicant respectfully requests reconsideration and withdrawal of the rejection of dependent claim 6.

NO WAIVER

All of Applicant's arguments and amendments presented herein are without prejudice or disclaimer. Additionally, Applicant has merely discussed example reasons that the pending claims are allowable. Other reasons may exist and Applicant reserves the right to discuss these additional reasons in a later response or on appeal, if appropriate, in this or another related application. By not responding to additional statements made by the Examiner, such as what is taught by each cited reference or alleged to have been obvious in view of the cited references, Applicant does not acquiesce to the Examiner's additional statements. The example reasons discussed by Applicant are sufficient to overcome the mentioned rejections.

CONCLUSION

The foregoing is submitted as a full and complete response to the Non-Final Office Action with a mailing date October 21, 2021. Applicant and the undersigned thank the Examiner for the consideration of these amendments and remarks. In view of the amendments to the claims and the submitted remarks, Applicant respectfully requests reconsideration and withdrawal of the outstanding rejections. Applicant further submits that the application is now in condition for allowance and earnestly solicits timely notice of the same. Should the Examiner have any questions, comments, or suggestions in furtherance of the prosecution of this application, the Examiner is invited to contact the undersigned at the telephone number below.

It is not believed that extensions of time or fees for addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. § 1.136(a), and any fee required therefore (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 19-5029.

If the Examiner believes that there are any issues that can be resolved by a telephone conference, or that there are any formalities that can be corrected by an Examiner's amendment, please contact the undersigned.

Respectfully submitted,

/Christopher J. Chan/

Christopher J. Chan
Attorney for the Applicant
Reg. No. 44,070

Date: **December 31, 2021**

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 16/903,292	Filing Date 06/16/2020	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $460 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	12/31/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

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

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/903,292	06/16/2020	Jon Hee LEE	34757-2446	2406

134811 7590 02/09/2022

Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309

EXAMINER	
DOLAK, JAMES M	

ART UNIT	PAPER NUMBER
3618	

NOTIFICATION DATE	DELIVERY MODE
02/09/2022	ELECTRONIC

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

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

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

patentdocket@eversheds-sutherland.com

Office Action Summary	Application No. 16/903,292	Applicant(s) LEE et al.	
	Examiner JAMES M DOLAK	Art Unit 3618	AIA (FITF) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

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

Status

1)☑ Responsive to communication(s) filed on 12/31/2021.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

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

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

Disposition of Claims*

5) ☑ Claim(s) 1-20 is/are pending in the application.

5a) Of the above claim(s) 8,10-12 and 14-20 is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-7,9 and 13 is/are rejected.

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

9) ☑ Claim(s) 1-20 are subject to restriction and/or election requirement

* If any claims have been determined allowable, 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.**

Application Papers

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

11)☑ The drawing(s) filed on 3/27/2020 and 1/03/2022 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

12)☐ 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)).

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

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

Response to Amendment

2. The reply filed on 12/31/2021 amended claims 1, 2, and 5. Claims 1-20 are currently pending herein. However Claims 8, 10-12, and 14-20 were previously withdrawn in response to a restriction requirement

Response to Arguments

3. Applicant's arguments with respect to claim(s) 12/31/2021 have been considered but are moot because the new ground of rejection does not rely on any reference applied in the prior rejection of record for any teaching or matter specifically challenged in the argument.

Drawings

4. The previous objections to the drawings are withdrawn in light of the amendments, the objections that remain are detailed below.

Claim Rejections - 35 USC § 112

5. The previous rejections of the claims under 35 USC 112 are withdrawn in light of the amendments, the rejections that remain are detailed below.

6. The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

> The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:
> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 1-7, 9, and 13 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention. The claims recite the open-ended clause "configured to hold" (Claim 1, line 6), which renders the claim indefinite, since it's not clear whether the claimed "holding" is actually taking place or not. It has been held that the open-ended recitations stating that an element is capable to perform a function (e.g., "configured to", "adapted to", etc.) are not the positive limitations but only require the ability to so perform. They do not constitute a limitation in any patentable sense. See In re Hutchinson, 69 USPQ 138. Just because something is "configured to" do something (i.e. is "capable of" doing something), doesn't actually mean it does it. "[A]pparatus claims cover what a device is, not what a device does." Hewlett-Packard Co. v.Bausch & Lomb Inc., 909 F.2d 1464, 1469, 15 USPQ2d 1525, 1528 (Fed. Cir. 1990) (emphasis in original). The Office hereby notes that "configured to" does not explicitly denote how features(s) are constructed and/or associated with other claimed limitations; whereas the claim is amenable to two or more plausible claim constructions. If a claim is amenable to two or more plausible claim constructions, then the claim may be deemed indefinite. See Ex parte Miyazaki, 89 USPQ2d 1207 (Bd. Pat. App. & Inter. 2008) (precedential). Applicant is required to use definitive and positive statements while reciting the structure and functions of the claimed apparatus (e.g. "a locking arm chamfer [that is configured to engage] --engaging-- the lock pin chamfer"). Appropriate correction is required.

8. Claim 5 is rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention. The claim recites the limitation: "a first or second connector portion," which is of unclear antecedent basis and therefore renders the claim indefinite. It is suggested that the claim limitation be rewritten as: "one of the first connector portion or the second connector portion," Appropriate correction is required

Claim Rejections - 35 USC § 102

9. The previous rejections of the claims under 35 USC 102 are withdrawn in light of the amendments, the rejections that remain are detailed below.

Claim Rejections - 35 USC § 103

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

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

11. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under pre-AIA 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

12. This application currently names joint inventors. In considering patentability of the claims under pre-AIA 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of pre-AIA 35 U.S.C. 103(c) and potential pre-AIA 35 U.S.C. 102(e), (f) or (g) prior art under pre-AIA 35 U.S.C. 103(a).

13. **Claims 1-5, 7, 9, and 13 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Cheng (US 7,475,900 B2) in view of Liao (US D593,459 – previously cited)**.

[Claim 1] Regarding Claim 1, Cheng teaches: A stroller (See, e.g., Fig. 4-8), comprising:

a stroller frame (See, e.g., Fig. 4-8, 3+4+5+10+etc.); a plurality of wheels (See, e.g., Fig. 4-8, 33+34) comprising at least one front wheel (See, e.g., Fig. 4-8, 33) and a plurality of back wheels (See, e.g., Fig. 4-8, 34); a first seat (See, e.g., Fig. 4-8, 72) coupled to the stroller frame at a first vertical position of the stroller frame (See, e.g., Fig. 4-8) and configured to hold a first child in the stroller (See, e.g., Fig. 4-8);

a first seat attachment housing (See, e.g., Fig. 4-8, 410) coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical position (See, e.g., Fig. 4-8); wherein a first front wheel extends from a front of the stroller (See, e.g., Fig. 4-8, 33);

a second seat attachment housing (See, e.g., Fig. 4-8, 410) coupled to the stroller frame at a third vertical position of the stroller frame that is below the first vertical position (See, e.g., Fig. 4-8) wherein a first front wheel extends from a front of the stroller (See, e.g., Fig. 4-8, 33);

wherein a first seat attachment adapter (See, e.g., Fig. 4-8, 71) is coupled to the first seat attachment housing (See, e.g., Fig. 4-8) and wherein a second seat attachment adapter (See, e.g., Fig. 4-8, 71) is coupled to the second seat attachment housing (See, e.g., Fig. 4-8).

Cheng fails to explicitly teach: wherein the plurality of wheels comprises at least one central wheel.

However, Liao teaches a similar stroller (See, e.g., Liao: Fig. 1-13) wherein the plurality of wheels comprises at least one central wheel (See, e.g., Liao: Fig.1-13).

Cone teaches that it is well known in the art of stroller design to provide a central wheel. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide the system taught by Cheng with a central wheel such as taught by Liao, for the purpose of conveniently and beneficially allowing a user to push and maneuver the system easily by providing an additional point of contact with the ground to evenly distribute the load of the stroller across the entire stroller frame. Moreover, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., KSR Int'l Co. v. Teleflex Inc., 550 U.S. 398,416 (2007)).

[Claim 2] Regarding Claim 2, the combination of Cheng in view of Liao teaches: further comprising: the first seat attachment adapter removably coupled to the first seat

attachment housing via a first connector portion (See, e.g., Cheng: Fig. 4-8, 71); and the second seat attachment adapter removably coupled to the second seat attachment housing via a second connector portion (See, e.g., Cheng: Fig. 4-8, 71).

[Claim 3] Regarding Claim 3, the combination of Cheng in view of Liao teaches: further comprising a second seat (See, e.g., Fig. Cheng: 4-8, 71) removably coupled to the first seat attachment adapter and the second seat attachment adapter (See, e.g., Cheng: Fig. 4-8).

[Claim 4] Regarding Claim 4, the combination of Cheng in view of Liao teaches: wherein each of the first seat attachment adapter and the second seat attachment adapter has a first end and a distal second end (See, e.g., Cheng: Fig. 4-8, 71).

[Claim 5] Regarding Claim 5, the combination of Cheng in view of Liao teaches: wherein the first end comprises a first or second connector portion (See, e.g., Cheng: Fig. 4-8, 71) and is releasably connected to one of the first seat attachment housing and the second seat attachment housing (See, e.g., Cheng: Fig. 4-8).

[Claim 7] Regarding Claim 7, the combination of Cheng in view of Liao teaches: wherein the first seat is one of a baby seat (See, e.g., Cheng: Fig. 4-8, 71), a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat (See, e.g., Cheng: Fig. 4-8, 72), a second car seat, a second stroller seat, a second bassinet, a second baby carrier, or a second pram.

[Claim 9] Regarding Claim 9, the combination of Cheng in view of Liao teaches: wherein the second vertical position and the third vertical position are at a same vertical height (See, e.g., Cheng: Fig. 4-8).

[Claim 13] Regarding Claim 13, the combination of Cheng in view of Liao teaches: wherein the first seat attachment housing and the second seat attachment housing are part of the stroller frame (See, e.g., Cheng: Fig. 4-8).

14. **Claim 6 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Cheng in view of Liao and further in view of Cone, II al. (US 6,286,844 B1)**.

[Claim 6] Regarding Claim 6 the combination of Cheng in view of Liao fails to explicitly teach: wherein the distal second end is releasably connected to the second seat.

However, Cone teaches a similar seat attachment (See, e.g., Cone: Fig. 1-13) for a stroller (See, e.g., Cone: Fig. 1-13, 214) with seat attachment adapters (See, e.g., Cone: Fig.1-13, 250) having a first end connected to the stroller frame and a second end releasably coupled to a seat (See, e.g., Cone: Fig.1-13, 12).

Cone teaches that it is well known in the art of stroller seat design to provide a seat attachment adapters that releasably connect to a seat and a stroller frame. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide the system taught by Cheng in view of Liao with a seat attachment adapter that has a distal second end that is releasably connected to the seat such as taught by Cone, for the purpose of conveniently and beneficially allowing a user to disassemble the system easily (e.g., by disconnecting the seat from the stroller with or without the adapter still connected to the seat), and additionally presenting a seat that can be connected to a separate stroller or similar baby system (e.g., car base, highchair base, etc.). Moreover, the modification is obvious as no more than the use of familiar

elements according to known methods in a manner that achieves predictable results. (See, e.g., KSR Int'l Co. v. Teleflex Inc., 550 U.S. 398,416 (2007)).

Conclusion

15. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

16. 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 9-530 EST Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J ALLEN SHRIVER can be reached on 303-297-4337. The fax phone

number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/JAMES M DOLAK/
Primary Examiner, Art Unit 3618.

Notice of References Cited	Application/Control No. 16/903,292	Applicant(s)/Patent Under Reexamination LEE et al.	
	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	CPC Classification	US Classification
*	A	US-11220282-B2	01-2022	Chaudeurge; Jean-Michel	B62B7/008	1/1
*	B	US-11208136-B2	12-2021	Taylor; Andrew J.	B60N2/28	1/1
*	C	US-11208135-B2	12-2021	Haut; Robert E.	B62B7/008	1/1
*	D	US-11203371-B2	12-2021	Zhong; Zhi-Ren	B62B7/062	1/1
*	E	US-11192568-B2	12-2021	Lee; Jon Hee	B62K5/02	1/1
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/903,292	LEE et al.
	Examiner	Art Unit
	JAMES M DOLAK	3618

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

CLAIMS

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

CLAIM		DATE								
Final	Original	10/14/2021	02/02/2022							
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	3	✓	✓							
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	17	N	N							
	18	N	N							
	19	N	N							
	20	N	N							

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/903,292	LEE et al.
	Examiner	Art Unit
	JAMES M DOLAK	3618

CPC - Searched*		
Symbol	Date	Examiner
B62B7/008,00,006,14,142,145	10/14/2021	JMD
B62B9/12,28,102	10/14/2021	JMD

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Inventor & Assignee Search	10/13/2021	JMD
Text search	10/15/2021	JMD
Updated Search	02/02/2022	jmd

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
ALL	See attached Search History	02/02/2022	jmd

/JAMES M DOLAK/ Primary Examiner.Art Unit 3618	/JAMES M DOLAK/ Primary Examiner, Art Unit 3618

PE2E SEARCH - Search History (Prior Art)

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L87	32	("4836573" | "4892327" | "5028061" | "5069474" | "5257799" | "5460430" | "5887935" | "5921574" | "6099022" | "6523853" | "6594840" | "6739649" | "7281732").PN. OR ("7377537").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/14 05:50 PM
L88	57	("20020093177" |	(US-PGPUB; USPAT;	OR	ON	ON	2013/02/14

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L89	3003	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/16 03:09 PM
L90	37602504	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/07/16 03:09 PM
L91	1876	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/07/16 03:09 PM
L92	2544	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/16 03:11 PM
L93	1082	L92 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/07/16 03:11 PM
L94	51	(US-20100052277-$ or US-20070114738-$ or US-20070001429-$ or US-20060290107-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 03:10 PM

		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.					
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L103	1	("6209892").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:04 PM
L104	1	("6296260").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:18 PM
L105	1	("6203053").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:19 PM
L106	1	("4681330").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:20 PM
L107	1	("5685552").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:21 PM
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L109	1	("6168174").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:22 PM
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			USOCR)				01:22 PM
L111	6	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:25 PM
L112	23	("4657269" | "4836573" | "5184835" | "5338096" | "5664795" | "5911432").PN. OR ("6045145").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:26 PM
L113	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	ON	2013/07/24 04:08 PM
L114	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	ON	2013/07/24 04:13 PM
L115	26	("4790548" | "5060967" | "5366274" | "5727848" | "5975225" | "6203054" | "6513827" | "7234722").PN. OR ("7367581").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 06:30 PM
L116	23	("4657269" | "4836573" | "5184835" | "5338096"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 06:39 PM

		| "5664795" | "5911432").PN. OR ("6045145").URPN.					
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L118	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	ON	2013/07/25 11:03 AM
L119	25	("4570956" | "4836573" | "4921261" | "4946180" | "5121940" | "5188380" | "5676386" | "5772279" | "5947555" | "6070890" | "6155592" | "6286844" | "6398233" | "6409205" | "6478327" | "D345720").PN. OR ("6641164").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 11:28 AM
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L121	9	("3000645").URPN.	(USPAT)	OR	ON	ON	2013/07/25 03:27 PM
L122	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	ON	2013/07/25 03:29 PM
L123	1	("8029007").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2013/07/25 03:30 PM
L124	28	("20010033069" | "20020135142" | "20030025304" | "20030127835" | "20040164510" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:31 PM

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L126	14	("3887208" | "5064209" | "5067738" | "5269548" | "5421597" | "5470088" | "5513868" | "5785335").PN. OR ("6851693").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:35 PM
L127	6	("2001/0033069").URPN.	(USPAT)	OR	ON	ON	2013/07/25 03:36 PM
L128	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	ON	2013/07/25 03:37 PM
L129	1	("7249779").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:38 PM
L130	57	("1218943" | "1347384" | "1408729" | "1560288" | "20010035626" | "20030151225" | "2305719" | "2435733" | "2468933" | "2798727" | "3314494" | "3738700" | "3954283" | "4015297" | "4825484" | "4958842" | "5125674" | "5190306" | "5558357" | "5562300" | "5590896" | "5692760" | "5709400" | "5820146" | "5884922" | "5975551" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:38 PM

		"6164666" | "6231056" | "6237995" | "6340168" | "6409190" | "6460866" | "6595536" | "6601862" | "6623023" | "6676140" | "6688614" | "7029015").PN. OR ("7249779").URPN.					
L131	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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 04:59 PM

		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.					
L132	7295614	@ad<="20081204"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/29 06:38 PM
L133	2588	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/29 06:38 PM
L134	3082	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/29 06:38 PM
L135	1082	L132 and L133	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:39 PM
L136	1877	L132 and L134	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:39 PM
L137	5616	L133 or L134	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L138	2924	L132 and L137	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L139	1012	L138 and stroller	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L140	901	L139 and seat$3	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L141	757	L140 and (insert$4 or attach$4 or detach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:42 PM
L142	107	L141 and ((double or tandem) same stroller)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:42 PM
L143	1	("5816367").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 09:23 AM
L144	3	("2006/0290107").URPN.	(USPAT)	OR	ON	ON	2014/01/30 02:24 PM
L145	78	("20030020259" | "20030227157" | "20060290107" | "20070001429" | "20070085303" | "20070222167" | "20070296182" | "20080073877" | "20080150247" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 02:26 PM

		"20090039620" | "20100038886" | "20100038887" | "20100072732" | "20100078916" | "20100109292" | "20100140902" | "20100282800" | "20120153583" | "2769482" | "2798733" | "2857953" | "2993702" | "3235279" | "3309101" | "4542915" | "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.					
L146	8	("2010/0078916").URPN.	(USPAT)	OR	ON	ON	2014/01/30 02:27 PM
L147	8	("20070096438" | "20100025968" | "20100078916" | "6422586" | "7401803" | "7441794" | "7632035" | "7766366").PN. OR ("8596669").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 02:27 PM
L148	1	("8157273").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:20 PM
L149	18	("0522608" | "1707186" | "3223431" | "3524655" | "3997180" | "4620686" | "4632409" | "4836573" | "6267406" | "6752405" | "7364183").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:21 PM

		("8157273").URPN.					
L150	1	("5338096").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:23 PM
L151	19	("3223431" | "3915493" | "3917312" | "4886209" | "5184835").PN. OR ("5338096").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:24 PM
L152	23	("4657269" | "4836573" | "5184835" | "5338096" | "5664795" | "5911432").PN. OR ("6045145").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 05:17 PM
L153	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	ON	2014/01/30 05:56 PM
L154	6	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 06:00 PM
L155	23	("20010013689" | "20040032103" | "20040094923" | "20070057486" | "20080012268" | "20080231022" | "20090127827" | "20090243260" | "20090295128" | "4398748" | "4836573" | "6446990" | "6478327" | "6572134" | "7497461" | "7513512" | "7658399" | "7686322" | "7712765" | "7775532" | "7832755" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/31 10:54 AM

		"7878527" | "7938435").PN. OR ("8231136").URPN.					
L156	2	("2008/0231022").URPN.	(USPAT)	OR	ON	ON	2014/01/31 12:58 PM
L157	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	ON	2014/01/31 12:59 PM
L158	1	("7938435").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/31 01:26 PM
L159	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	ON	2014/02/03 12:41 PM
L160	17	("20050098983" | "2842374" | "6357784" | "7118121" | "7267359" | "7367581" | "7441794" | "7527283").PN. OR ("7766366").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/02/03 12:56 PM
L161	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"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/02/03 01:14 PM

		| "5234224" | "5265931" | "5364137" | "5375869" | "5385386" | "5499831" | "5527096" | "5564778" | "5567008" | "5601297" | "5676386" | "5707106" | "5727798" | "5772279" | "5865447" | "5876046" | "5974555").PN. OR ("6286844").URPN.					
L162	52	("3779655" | "4191397" | "4216974" | "4412688" | "4602889" | "4634177" | "4645371" | "4834403" | "5028061" | "5257799" | "5527096" | "5772279" | "5865447" | "6286844").PN. OR ("6513827").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/02/03 01:21 PM
L168	1	("20140217706").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:03 AM
L169	3175	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:24 AM
L170	7324421	@ad<="20081204"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:24 AM
L171	1878	L169 and L170	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:25 AM
L172	64	(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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:25 AM

		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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$).did. or (US-3000645-$ or US-2453631-$).did.					
L173	3686032	@pd>="20140129"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 10:56 AM
L174	1	L171 and L173	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 10:56 AM
L175	13	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 10:57 AM
L176	1	("7,497,461").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:01 AM
L177	94	L169 and L173	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 11:08 AM
L178	12	("20070296182" | "20100117315" | "5820144" | "6086086" | "6513827" | "6715783" | "7032922" | "7066542" | "7364183" | "7377537" | "7455362" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:25 AM

		"8061732").PN. OR ("8764048").URPN.					
L179	15	("3797848" | "4832361" | "5074575" | "6116624" | "6446990" | "6508605" | "6530591" | "6824161" | "6830254" | "6851700" | "6951342" | "7021650" | "7273225" | "7401803" | "7513512").PN. OR ("8696016").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:41 AM
L180	1	("7,938,435").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:47 AM
L181	1	("20080231022").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:47 AM
L182	2	("2008/0231022").URPN.	(USPAT)	OR	ON	ON	2014/09/24 11:48 AM
L183	1	("7,766,366").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:51 AM
L184	1	("6,286,844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:52 AM
L185	1	("6,513,827").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:53 AM
L186	0	(2006/0131841).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:53 AM
L187	1	("20060131841").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:54 AM
L188	1	("20060001226").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:54 AM
L189	1	("7,320,471").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:55 AM
L190	1	("6,045,145").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:55 AM
L191	1	("20080224451").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:55 AM
L192	1	("7,481,439").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:57 AM
L193	1	("7,367,581").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:57 AM
L194	1	("8,029,007").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:58 AM
L195	1	("6,923,467").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:58 AM
L196	1	("20070090619").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:58 AM
L197	1	("6,851,693").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:59 AM
L198	1	("20010033069").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 12:00 PM
L199	1	("7,249,779").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:00 PM

L200	57	("1218943" | "1347384" | "1408729" | "1560288" | "20010035626" | "20030151225" | "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.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:02 PM
L201	2665	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:02 PM
L202	79	L201 and L173	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 12:03 PM
L203	2	L202 and L170	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:03 PM
L204	1	("5338096").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:24 PM
L205	1	("20030025304").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:25 PM
L206	1	("20070001429").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:25 PM
L207	1	("20070085303").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:26 PM
L208	1	("20070114738").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 01:26 PM
L209	1	("7681894").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:33 PM
L210	14	("20040164593" | "3145442" | "5865447" | "5947555" | "6446314" | "7032922").PN. OR ("7681894").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:33 PM
L211	1	("7377537").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:34 PM
L212	41	("7249779"|"3000645"|"7677585"|"7377537"|"20060001226"|"8029007"|"20080231022"|"7766366"|"6443467"|"6561526"|"20080224451"|"65	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:56 PM

		13827"|"7475900"|"7497461"|"20070114738"|"1707186"|"6752405"|"6851693"|"7938435"|"6676140"|"6045145"|"6923467"|"20030025304"|"20070001429"|"5338096"|"6045145"|"20070090619"|"6209892"|"6378892"|"7896384"|"8157273"|"8251382"|"8262103"|"8336904"|"20010033069"|"20060131841"|"7320471"|"7367581"|"7481439"|"6286844").PN.					
L219	19	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2015/04/20 01:53 PM
L220	22	("7249779"|"20060001226"|"20080231022"|"7766366"|"8029007"|"20080224451"|"6513827"|"4797461"|"7497461"|"6851693"|"7938435"|"6045145"|"6923467"|"8905427"|"20070090619"|"20010033069"|"20060131841"|"6286844"|"7320471"|"7367581"|"7481439"|"8882134").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 01:58 PM
L221	1	("7475900").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:02 PM
L222	68470442	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:02 PM
L223	1214191	@pd>="20140924"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:03 PM
L224	3292	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:04 PM
L225	2741	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:04 PM
L226	5977	L224 or L225	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:04 PM
L227	2929	L226 and L222	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:04 PM
L228	2	L227 and L223	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:04 PM
L229	88	("0119331" | "1138802" | "1269379" | "1707186"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:04 PM

		| "1890469" | "20040251063" | "20070045975" | "20090115151" | "20090160162" | "20100038887" | "20100140902" | "20110175330" | "3223431" | "3612603" | "3726536" | "4222132" | "4349938" | "4391453" | "4403807" | "4684148" | "4725071" | "4805938" | "4834415" | "4834452" | "4858947" | "4872692" | "4969656" | "5018754" | "5033761" | "5064209" | "5167425" | "5221106" | "5230523" | "5338096" | "5653460" | "5664795" | "5772235" | "5887935" | "5918892" | "6086087" | "6099022" | "6267406" | "6357784" | "6361111" | "6375213" | "6431579" | "6527294" | "6536842" | "6585284" | "6676140" | "6679506" | "6752405" | "6843498" | "6935652" | "6938906" | "6938954" | "7025364" | "7364183" | "7367581" | "7516966" | "7597332" | "7896384" | "8128103" | "8157273" | "8398143" | "D296540" | "D300310" | "D305316" | "D321850" | "D328047" | "D348489" | "D360392" | "D370437" | "D382516" | "D404344" | "D430512" | "D431212" | "D452191" | "D568794" | "D593458" | "D595621" | "D598333").PN. OR ("8905427").URPN.					
L230	84	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:08 PM
L231	796	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L232	666	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L233	894	(B62B7/142).CPC.	(US-PGPUB; USPAT;	OR	ON	ON	2015/04/20

			USOCR; FPRS; EPO; JPO)				02:12 PM
L234	1003	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L235	450	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L236	3236	L230 L231 L232 L233 L234 L235	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L237	2104	L236 and L222	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:13 PM
L238	70	L237 and (seat$3 same revers$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:14 PM
L239	77	(US-20100052277-$ 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-$ or US-20030025304-$ or US-20070069505-$ or US-20080231022-$).did. or (US-5338096-$ 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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:14 PM

		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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$ or US-8764048-$ or US-8061732-$).did. or (US-8733784-$ or US-8696016-$ or US-8231136-$ or US-8458880-$ or US-7249779-$ or US-7681894-$ or US-8955869-$ or US-8905427-$).did. or (US-3000645-$ or US-2453631-$).did.					
L240	58	L238 not L239	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:14 PM
L241	1	("8882134").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:15 PM
L242	87	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20090072520" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:16 PM

		"20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6935652" | "6938906" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128119" | "8157273" | "8262107" | "8276935" | "D326748" | "D431798").PN. OR ("8882134").URPN.					
L243	1	("6361111").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:19 PM
L244	1	("20040251063").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:19 PM
L245	1	("6527294").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:20 PM
L246	1	("20070045975").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:20 PM
L247	27	("20060001226" | "20070045975" | "20080296872" | "20090033066" | "5301970" | "5520433" | "5601302" | "5709400" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:30 PM

		"5845924" | "6099022" | "6193263" | "6203054" | "6209892" | "6398233" | "6446990" | "6540250" | "6715783" | "7377537" | "7475900" | "7753398").PN. OR ("8029014").URPN.					
L249	2790	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 10:16 AM
L250	3337	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 10:16 AM
L251	102	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L252	824	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L253	686	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L254	947	(B62B7/142).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L255	1031	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L256	520	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L257	3385	L251 L252 L253 L254 L255 L256	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L258	1888686	@pd>="20150420"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L259	6070	L249 or L250	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L260	49	L258 and L249	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L261	93	L258 and L259	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L262	45	L258 and L250	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L263	44	L262 not L260	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:18 AM
L264	105	L258 and L257	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2015/12/07 10:19 AM

			JPO)				
L265	94	L264 not L263	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:19 AM
L266	93	L265 not L260	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:19 AM
L267	1	("8936261").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 12:33 PM
L268	64	("20040164593" | "20060261565" | "20070045975" | "20070069505" | "20070187914" | "20080054579" | "20080150247" | "20080179848" | "20080303232" | "20090033066" | "20090102162" | "20090256323" | "20100013281" | "20100102535" | "20100127480" | "20100230933" | "20100244408" | "20100259021" | "20110204600" | "20110291389" | "20110304124" | "20120025492" | "20120153583" | "20120242062" | "20120261961" | "20130113188" | "4872692" | "5018405" | "5676386" | "5722682" | "5947555" | "6513827" | "6530591" | "6581957" | "6851700" | "7032922" | "7267359" | "7377537" | "7401803" | "7681894" | "7686323" | "7753397" | "7753398" | "7789402" | "7798500" | "7938435" | "8029014" | "8033555" | "8157286" | "8205906" | "8240700" | "8251382" | "8322744" | "8366127" | "8454049" | "8465045" | "8469388" | "8474854" | "8480116" | "8485546" | "8544873" | "8550489" | "8596669").PN. OR ("8936261").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/12/07 12:33 PM
L269	18	("1671774" | "1707186"	(US-PGPUB; USPAT;	OR	OFF	OFF	2015/12/07

		| "20050167951" | "20070194545" | "20100052277" | "20110163519" | "20120118516" | "7032922" | "7871100" | "8157273" | "8251382" | "8585075" | "8651502" | "8727370" | "D686541").PN. OR ("9010773").URPN.	USOCR)				01:12 PM
L270	1	("6,286,844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 06:14 PM
L271	110	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L272	855	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L273	694	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L274	989	(B62B7/142).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L275	1052	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L276	540	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L277	3473	L271 L272 L273 L274 L275 L276	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L278	3353	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 12:46 PM
L279	2802	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 12:46 PM
L280	279114	@pd>="20151207"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:47 PM
L281	21	L277 and L280	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM
L282	16	L278 and L280	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM
L283	12	L279 and L280	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM
L284	17	L281 not (L282 or L283)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM

L285	2	("20070069504" | "7401803").PN. OR ("9242665").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 01:16 PM
L286	70	("20030020259" | "20040094935" | "20060226635" | "20060290107" | "20070075525" | "20070085303" | "20070114738" | "20070267833" | "20080001370" | "20080179863" | "20080224432" | "20090039620" | "20090236826" | "20090302578" | "20100038886" | "20100038887" | "20100072731" | "20100140902" | "20100201089" | "20100282800" | "20100301585" | "20110175330" | "20120098219" | "20120098237" | "20120169021" | "20130049331" | "20130234419" | "20130264787" | "20130270800" | "20140159346" | "20140312586" | "20140346756" | "4542915" | "4725071" | "5338096" | "5417449" | "5664795" | "6086087" | "6267406" | "6676140" | "6702316" | "6843498" | "6877761" | "7451999" | "7699325" | "7971884" | "8070180" | "8146926" | "8157273" | "8205894" | "8282109" | "8322745" | "8398143" | "8444171" | "8480115" | "8684395" | "8714582" | "8757646" | "8807588" | "8844964" | "8857829" | "8905427" | "8915516" | "D321850" | "D359937" | "D375706" | "D429664" | "D430076" | "D431212" | "D636300").PN. OR ("9227650").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 01:18 PM
L287	1	("7475900").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2016/02/12

			USOCR)				01:19 PM
L288	1	("4343124").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 03:17 PM
L289	1	("4340124").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 03:18 PM
L290	1	("20140361517").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 03:50 PM
L291	111	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L292	864	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L293	699	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L294	993	(B62B7/142).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L295	1054	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L296	542	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L297	3486	L291 L292 L293 L294 L295 L296	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L298	3358	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 04:45 PM
L299	2805	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 04:45 PM
L300	6106	L298 or L299	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:45 PM
L301	83034	@pd>="20160212"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:45 PM
L302	8	L300 and L301	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:59 PM
L303	6	L297 and L301	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 05:01 PM
L304	13	("20080231022" | "20090243261" | "20130113188" | "6513827" | "7267359" | "7377537" | "7798500" | "7938435" | "8061732" | "8733784" | "8764048" | "8777253" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:03 PM

		"8955869").PN. OR ("9260128").URPN.					
L305	94	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20080224451" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "20140191483" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6877762" | "6935652" | "6938906" | "6981709" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128118" | "8128119" | "8157273" | "8262107"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:04 PM

		"8276935" | "8882134" | "9056622" | "D326748" | "D431798").PN. OR ("9260127").URPN.					
L306	1	("20150123440").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:20 PM
L307	1	("8955869").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:22 PM
L308	32	("20010033069" | "20060001226" | "20060131841" | "20070090619" | "20080224451" | "20080231022" | "6045145" | "6286844" | "6513827" | "6851693" | "6923467" | "7249779" | "7311323" | "7320471" | "7367581" | "7377537" | "7475900" | "7481439" | "7497461" | "7681894" | "7766366" | "7938435" | "8029007" | "8033554" | "8061732" | "8231136" | "8444171" | "8458880" | "8696016" | "8733784" | "8764048").PN. OR ("8955869").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:22 PM
L309	2	"39773911".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/25 05:27 PM
L310	32	("4657269" | "4836573" | "5184835" | "5338096" | "5664795" | "5911432").PN. OR ("6045145").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:33 PM
L311	28	("1203729" | "1321009" | "20020036391" | "20050023783" | "20070075525" | "20070216138" | "20070222167" | "20090315300" | "20100072732" | "2769482" | "4923208" | "5338096" | "5417449" | "5664795" | "5722682" | "5740989" | "5887935" | "6045145" | "6378892" | "6676140" | "7011318" | "7445229" | "8282119" | "D587635" | "D614540").PN. OR ("8857830").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:37 PM
L312	15	"37454081".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/25 05:37 PM

L313	1	"41399621".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/25 05:41 PM
L314	6	("2009/0302578").URPN.	(USPAT)	OR	ON	ON	2016/03/25 05:42 PM
L315	70	("20030020259" | "20040094935" | "20060226635" | "20060290107" | "20070075525" | "20070085303" | "20070114738" | "20070267833" | "20080001370" | "20080179863" | "20080224432" | "20090039620" | "20090236826" | "20090302578" | "20100038886" | "20100038887" | "20100072731" | "20100140902" | "20100201089" | "20100282800" | "20100301585" | "20110175330" | "20120098219" | "20120098237" | "20120169021" | "20130049331" | "20130234419" | "20130264787" | "20130270800" | "20140159346" | "20140312586" | "20140346756" | "4542915" | "4725071" | "5338096" | "5417449" | "5664795" | "6086087" | "6267406" | "6676140" | "6702316" | "6843498" | "6877761" | "7451999" | "7699325" | "7971884" | "8070180" | "8146926" | "8157273" | "8205894" | "8282109" | "8322745" | "8398143" | "8444171" | "8480115" | "8684395" | "8714582" | "8757646" | "8807588" | "8844964" | "8857829" | "8905427" | "8915516" | "D321850" | "D359937" | "D375706" | "D429664" | "D430076" | "D431212" | "D636300").PN. OR ("9227650").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:43 PM

L316	108	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20090243261-$).did. or (US-5338096-$ 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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:54 PM

		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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$ or US-8764048-$ or US-8061732-$).did. or (US-8733784-$ or US-8696016-$ or US-8231136-$ or US-8458880-$ or US-7249779-$ or US-7311323-$ or US-8444171-$ or US-8033554-$ or US-7681894-$ or US-8955869-$ or US-8905427-$ or US-8882134-$ or US-8029014-$ or US-7789402-$ or US-7658399-$ or US-5167425-$ or US-8936261-$ or US-9010773-$ or US-9119483-$ or US-9200746-$ or US-9199659-$ or US-9108659-$ or US-9073563-$ or US-9242665-$ or US-7401803-$ or US-9227650-$ or US-9260128-$).did. or (US-9260127-$ or US-8857830-$ or US-2769482-$).did. or (US-3000645-$ or US-2453631-$).did.					
L317	1	("20090290107").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:56 PM
L318	1	("20060290107").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:58 PM
L319	1	("4542915").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 06:07 PM
L320	2	"47750100".FMID.	(US-PGPUB; USPAT;	OR	ON	ON	2016/03/25

			FPRS)				09:54 PM
L321	1	("6209892").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 11:02 PM
L322	60	("3829113" | "4729572" | "4768795" | "4861105" | "5056865" | "5076599" | "5146656" | "5322343" | "5676386" | "5727798" | "5820144" | "5887889").PN. OR ("6209892").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 11:02 PM
L323	60	("3829113" | "4729572" | "4768795" | "4861105" | "5056865" | "5076599" | "5146656" | "5322343" | "5676386" | "5727798" | "5820144" | "5887889").PN. OR ("6209892").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/28 11:14 AM
L324	0	(A stroller, comprising a stroller frame a plurality of wheels, including front and rear wheels a first seat coupled to the stroller frame at a first vertical position closer to a handle of the stroller frame and configured to hold a first child in the stroller a second seat attachment coupled to the stroller frame at a second vertical position substantially below the first vertical position and closer to the front wheels and comprising a left seat support element, wherein the left seat support element comprises a first connector portion releasably connected to the stroller frame closer to left front wheel and a left seat connector releasably connecting a second seat in either a forward or backward position and a right seat support element, wherein the right seat support element comprises a second connector portion releasably connected to	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:20 PM

		the stroller frame closer to a right front wheel and a right seat connector releasably connecting the second seat in either a forward or backward position between the left and right seat support connectors and the second seat releasably connected to the left seat connector and the right seat connector and configured to hold a second child in the stroller while the first seat holds the first child).clm.					
L325	0	(stroller frame wheel seat first vertical position handle child attach$4 coupl$3 left seat support element, first connector portion releas$4 connect$4 forward backward position).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:42 PM
L326	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left seat support element, first connector portion releas$4 connect$4 forward backward position).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:42 PM
L327	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left support element portion releas$4 connect$4 forward backward position).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:43 PM
L328	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left support element portion releas$4 connect$4 forward backward).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:43 PM
L329	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left support$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:43 PM

		releas$4 connect$4 forward backward).clm.					
L330	3	(stroller frame wheel seat vertical position handle attach$4 left support$4 releas$4 connect$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:44 PM
L331	14	(stroller frame wheel seat vertical position handle attach$4 support$4 releas$4 connect$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:45 PM
L332	15	(stroller frame wheel seat vertical position handle attach$4 releas$4 connect$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:46 PM
L333	1	L332 not L331	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:46 PM
L334	18	(stroller frame wheel seat vertical position handle attach$4 releas$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:47 PM
L335	3	L334 not L332	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:47 PM
L336	25	(stroller frame wheel seat vertical position$4 attach$4 releas$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:48 PM
L337	7	L336 not L334	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:48 PM
L338	1	"41399621".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/28 01:48 PM
L339	1	("20160339940").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/08 04:58 PM
L340	3453	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:22 PM
L341	2353	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:23 PM
L342	5184262	@pd>="20160325"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:31 PM
L343	5004	L340 or L341	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:33 PM
L344	254	L342 and L343	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:33 PM
L346	4	(Lee near2 (Jon and	(US-PGPUB; USPAT;	OR	ON	ON	2017/06/08

		Hee)).in.	USOCR; FPRS; EPO; JPO; DERWENT)				05:52 PM
L347	14	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2017/06/12 08:15 AM
L348	1	(Simpson near2 (Stacy and Noel)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2017/06/12 08:16 AM
L349	66	("1707186"|"20010033069"|"20060001226"|"20060131841"|"20060290107"|"20070090619"|"20080224451"|"20080231022"|"20090302578"|"3000645"|"4542915"|"5338096"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7896384"|"7938435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:35 AM
L350	111	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:36 AM

		US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20090243261-$ or US-20130049331-$).did. or (US-5338096-$ 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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-					

		6513827-$ or US-8764048-$ or US-8061732-$).did. or (US-8733784-$ or US-8696016-$ or US-8231136-$ or US-8458880-$ or US-7249779-$ or US-7311323-$ or US-8444171-$ or US-8033554-$ or US-7681894-$ or US-8955869-$ or US-8905427-$ or US-8882134-$ or US-8029014-$ or US-7789402-$ or US-7658399-$ or US-5167425-$ or US-8936261-$ or US-9010773-$ or US-9119483-$ or US-9200746-$ or US-9199659-$ or US-9108659-$ or US-9073563-$ or US-9242665-$ or US-7401803-$ or US-9227650-$ or US-9260128-$).did. or (US-9260127-$ or US-8857830-$ or US-2769482-$ or US-4542915-$ or US-6715783-$).did. or (US-3000645-$ or US-2453631-$).did.					
L351	4	L349 not L350	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 09:41 AM
L352	34	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 09:44 AM
L353	96	("1269379" | "1707186" | "1890469" | "20020158444" | "20040251063" | "20070045975" | "20080122200" | "20080224451" | "20090115151" | "20090160162" | "20090289440" | "20100038887" | "20100140902" | "20110175330" | "20140265258" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:46 AM

		"3053493" | "3223431" | "3612603" | "3726536" | "4222132" | "4349938" | "4391453" | "4403807" | "4684148" | "4725071" | "4805938" | "4834415" | "4834452" | "4858947" | "4872692" | "4969656" | "5018754" | "5033761" | "5064209" | "5167425" | "5221106" | "5230523" | "5338096" | "5522121" | "5653460" | "5664795" | "5772235" | "5887935" | "5918892" | "6086087" | "6099022" | "6267406" | "6357784" | "6361111" | "6375213" | "6431579" | "6527294" | "6536842" | "6585284" | "6676140" | "6679506" | "6752405" | "6843498" | "6935652" | "6938906" | "6938954" | "7025364" | "7364183" | "7367581" | "7516966" | "7597332" | "7896384" | "8128103" | "8157273" | "8220822" | "8282120" | "8297642" | "8398143" | "8905427" | "D296540" | "D300310" | "D305316" | "D321850" | "D328047" | "D348489" | "D360392" | "D370437" | "D382516" | "D404344" | "D430512" | "D431212" | "D452191" | "D568794" | "D593458" | "D595621" | "D598333").PN. OR ("9517787").URPN.					
L354	8	"48223173".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2017/06/12 09:47 AM
L355	10	("2013/0113185").URPN.	(USPAT)	OR	ON	ON	2017/06/12 09:48 AM
L356	36	("1486118" | "2769482" | "2993702" | "3253860" | "3497234" | "3612603" | "4155588" | "4181356" | "4288124" | "4381870" | "4596405" | "4632409" | "4711489" | "4813742" | "4946180" | "5161811" | "5201535" | "5213360" | "5374073" | "5401076" | "5547205" | "5848797"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:52 AM

		| "5988657" | "6135479" | "6276709" | "D340140").PN. OR ("6561526").URPN.					
L357	22	("1707186").URPN.	(USPAT)	OR	ON	ON	2017/06/12 09:53 AM
L358	0	L350 and (cover$4 same door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 09:56 AM
L359	0	L350 and (cover$4 same2 door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:00 AM
L360	17	L350 and (cover$4 same attach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:00 AM
L361	1	("7377537").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:08 AM
L362	56	("4836573" | "4892327" | "5028061" | "5069474" | "5257799" | "5460430" | "5887935" | "5921574" | "6099022" | "6523853" | "6594840" | "6739649" | "7281732").PN. OR ("7377537").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:08 AM
L363	3	L349 and door	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:13 AM
L364	1	("9517787").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:19 AM
L365	1	("9517789").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:20 AM
L366	1	("9561817").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:20 AM
L367	1	("9493179").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:21 AM
L368	3453	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L369	2353	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L370	5004	L368 or L369	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L371	23	L370 and (cover$4 same door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L372	5	L370 and (cavit$3 same door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:23 AM
L373	35	("2917316" | "2993702"	(US-PGPUB; USPAT;	OR	ON	ON	2017/06/12

		| "3110504" | "3248125" | "3309101" | "5579556" | "5622375" | "5664795" | "5725238" | "6086087" | "6276759" | "6312005" | "D319493" | "D444738" | "D450265").PN. OR ("6447001").URPN.	USOCR)				10:23 AM
L374	40	L370 and (cavit$3 same cover$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:24 AM
L375	1	("5522121").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:28 AM
L376	25	("0461069" | "1318850" | "1352647" | "1688148" | "1707186" | "4805938").PN. OR ("5522121").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:29 AM
L377	1	("6449801").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:29 AM
L378	1	("20070114738").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:30 AM
L379	2	"38052732".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2017/06/12 10:30 AM
L380	41	("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	ON	2017/06/12 10:30 AM
L381	13	("20040164510" | "20070090619" | "20120098237" | "20130234419" | "20130264787" | "20160001805" | "3061328" | "5622375" | "6422634" | "6530591" | "7004272" | "8029007").PN. OR ("9545941").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:31 AM
L382	91	("1239498" | "1322788" | "1418929" | "1832770"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:33 AM

		| "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6935652" | "6938906" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128119" | "8157273" | "8262107" | "8276935" | "D326748" | "D431798").PN. OR ("8882134").URPN.					
L383	42	("0522608" | "1707186" | "3223431" | "3524655" | "3997180" | "4620686" | "4632409" | "4836573"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:46 AM

		| "6267406" | "6752405" | "7364183").PN. OR ("8157273").URPN.					
L384	15	("20050242548" | "20070052271" | "4518139" | "4681340" | "6022077" | "6536842").PN. OR ("7364183").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:49 AM
L385	1	("6286844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:09 PM
L386	119	("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	ON	2017/06/12 12:13 PM
L387	91	("0706448" | "1480451" | "1508500" | "1952467" | "20010013689" | "20040212161" | "20060085953" | "20070085302" | "20070120404" | "20090029784" | "20090181780" | "20110278810" | "20120023662" | "20120060326" | "20120235450" | "20130334781" | "20140042729" | "20150008659" | "20150042056" | "20150042076" | "20150175189" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:16 PM

		"2708585" | "2961248" | "3564626" | "4476649" | "5099528" | "5201535" | "5562548" | "5676386" | "5772279" | "5846136" | "5947555" | "5987665" | "5988670" | "6250654" | "6286844" | "6471597" | "6671926" | "6872146" | "6893040" | "7037205" | "7100724" | "7354352" | "7377537" | "7445559" | "7475942" | "7497461" | "7607734" | "7681894" | "7686323" | "7694996" | "7766366" | "7905791" | "7938435" | "8029014" | "8251382" | "8292750" | "8550556" | "8672341" | "8746794" | "8851505" | "8944927" | "8955869" | "9085312" | "D156930" | "D371094" | "D377466" | "D408768" | "D442895" | "D452195" | "D475951" | "D481976" | "D498713" | "D498714" | "D519063" | "D604055" | "D622640" | "D623429" | "D667229" | "D682562" | "D684789" | "D687352" | "D743304").PN. OR ("9421992").URPN.					
L388	20	("20010040357" | "20080106070" | "20100127480" | "20110181026" | "20160144879" | "5257799" | "5645293" | "6102432" | "6312005" | "7281732" | "7641216" | "8141895" | "8240698" | "8585075" | "8696015" | "8696016" | "8998241" | "9050993" | "9421991" | "9540028").PN. OR ("9637155").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:16 PM
L389	9	("20120326474" | "4306749" | "4634177" | "4915446" | "5947556" | "6286844" | "6595583" | "8251382" | "8678498").PN. OR ("9346378").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:21 PM
L390	9	("20120326474" |	(US-PGPUB; USPAT;	OR	ON	ON	2017/06/12

		"4306749" | "4634177" | "4915446" | "5947556" | "6286844" | "6595583" | "8251382" | "8678498").PN. OR ("9346378").URPN.	USOCR)				12:54 PM
L391	28	("20030015895" | "20090066130" | "20090295207" | "4306749" | "4750783" | "5385387" | "5478135" | "5562548" | "5586351" | "5997098" | "6017088" | "6170911" | "6299249" | "6331032" | "6336682" | "6347832" | "6428099" | "6428100" | "6443522" | "6554358" | "6705676" | "6793280" | "6921359" | "6979057" | "7090294").PN. OR ("8678498").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:55 PM
L392	54	("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	ON	2017/06/12 01:08 PM
L393	15	("20080231022" | "5773379" | "5947555" | "6286844" | "6893040" | "7032922" | "7267359" | "7475900" | "7658399" | "7681894" | "7766366" | "7938435" | "8033555" | "D621306").PN. OR ("8851505").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:09 PM
L394	58	("20010013689" | "20050264062" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:09 PM

		"20060214397" | "20070257458" | "20070296182" | "20080136127" | "20080231023" | "20100219616" | "20100230933" | "20120025492" | "4834403" | "5028061" | "5201535" | "5203577" | "5257799" | "5277472" | "5364137" | "5564778" | "5567008" | "5676386" | "5772279" | "5794951" | "5947555" | "6086086" | "6089653" | "6286844" | "6318807" | "6446990" | "6572134" | "6595583" | "6793280" | "6802514" | "6863286" | "6942294" | "6983986" | "7032922" | "7070197" | "7207628" | "7370913" | "7377537" | "7681894" | "7686322" | "7694996" | "7753398" | "8029014" | "8070228" | "8172253" | "8282120" | "8382150").PN. OR ("8651502").URPN.					
L395	76	("3779655" | "4191397" | "4216974" | "4412688" | "4602889" | "4634177" | "4645371" | "4834403" | "5028061" | "5257799" | "5527096" | "5772279" | "5865447" | "6286844").PN. OR ("6513827").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:12 PM
L396	49	("4915401" | "5133567" | "5277472" | "5564778" | "5644816" | "5676386" | "5772279").PN. OR ("5865447").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:13 PM
L397	88	("0763771" | "0921361" | "1167525" | "2509972" | "2982562" | "3029087" | "3083997" | "3596986" | "4306749" | "4345791" | "4371206" | "4385769" | "4501032" | "4545613" | "4634177" | "4664396" | "4733909" | "4861105" | "4915446" | "4943113" | "4984813" | "4998307" | "5052750" | "5058283" | "5203577" | "5277472" | "5385387" | "D294777"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:14 PM

		| "D305583" | "D322001" | "D325132").PN. OR ("5567008").URPN.					
L398	92	("2982562" | "3100651" | "3290050" | "3330575" | "3784252" | "4072318" | "4378946" | "4412688" | "4428598" | "4478427" | "4606550" | "4762364" | "4815764" | "5004253" | "5074575").PN. OR ("5201535").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:16 PM
L399	119	("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	ON	2017/06/12 01:23 PM
L400	82	L397 not L399	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:23 PM
L401	20	("20040164593" | "3145442" | "5865447" | "5947555" | "6446314" | "7032922").PN. OR ("7681894").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:28 PM
L402	59	("20020175498" | "20020195797" | "20030111825" | "20040046364" | "20050098982" | "20060071452" | "20060237949" | "5772235" | "5823564" | "7032922").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:30 PM

		("7267359").URPN.					
L403	1	("5201535").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:32 PM
L404	1	("6286844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:47 PM
L405	3477	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:13 PM
L406	2369	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:13 PM
L407	5040	L405 or L406	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:13 PM
L408	1329175	@pd>="20170608"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:16 PM
L409	44	L407 and L408	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:16 PM
L410	3	"37808038".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2017/11/13 05:27 PM
L423	1	("20180201293").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/15 10:50 AM
L424	39	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 10:51 AM
L425	8	(Lee near2 (Jon and Hee)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/04/15 10:52 AM
L426	18	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/04/15 10:52 AM
L427	3	(Simpson near2 (Stacy and Noel)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/04/15 10:52 AM
L428	151	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 11:03 AM

		US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-5338096-$ 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-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-$ or US-3000645-$).did. or (US-8070180-$ 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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-					

		6513827-$ or US- 8764048-$ or US- 8061732-$ or US- 8733784-$).did. or (US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US- 8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$ or US- 9260127-$).did. or (US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US- 5522121-$ or US- 9545941-$ or US- 9056622-$ or US- 9403550-$ or US- 8899615-$ or US- 7364183-$ or US- 9637155-$ or US- 9421992-$ or US- 9545940-$ or US- 9346378-$ or US- 8678498-$ or US- 4915446-$ or US- 4634177-$ or US- 4306749-$ or US- 8851505-$).did. or (US-				

		8651502-$ or US-6893040-$ or US-6446990-$ or US-5865447-$ or US-5772279-$ or US-5567008-$ or US-8657326-$ or US-8491000-$ or US-6155740-$ or US-5947555-$ or US-7267359-$ or US-9776652-$ or US-9771095-$ or US-9725106-$ or US-9701333-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L429	55	L424 L425 L426 L427	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:25 PM
L430	3	L424 L425 L426 L427	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2019/04/15 12:25 PM
L431	80	("1707186" | "20010033069" | "20020109321" | "20060001226" | "20060131841" | "20060290107" | "20070090619" | "20080224451" | "20080231022" | "20090302578" | "20140191483" | "20160046315" | "3000645" | "4542915" | "5201535" | "5338096" | "5567008" | "6045145" | "6209892" | "6286844" | "6378892" | "6443467" | "6513827" | "6561526" | "6676140" | "6752405" | "6851693" | "6923467" | "7249779" | "7311323" | "7320471" | "7367581" | "7377537" | "7401803" | "7475900" | "7481439" | "7497461" | "7677585" | "7681894" | "7766366" | "7832755" | "7896384" | "7938435" | "8029007" | "8029014" | "8033554" | "8061732" | "8157273" | "8231136" | "8251382" | "8262103" | "8336904" | "8444171" | "8458880"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:26 PM

		"8585075" | "8596670" | "8696016" | "8733784" | "8764048" | "8882134" | "8905427" | "8936261" | "9010773" | "9108654" | "9108659" | "9119483" | "9199659" | "9200746" | "9227650" | "9242665" | "9260127" | "9260128" | "9517787" | "9561817" | "9701333" | "9725106" | "9771095" | "9776652").PN. OR ("9944305").URPN.					
L432	3809	(B62B7/008,00,006,14,142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L433	2627	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L434	5496	L432 or L433	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L435	7949590	@pd>="20171113"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L436	308	L434 and L435	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:30 PM
L437	2	("20100140902"|"20140333039").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:52 PM
L438	84	("1707186"|"20010033069"|"20020109321"|"20030025304"|"20060001226"|"20060131841"|"20060290107"|"20070001429"|"20070085303"|"20070090619"|"20070114738"|"20080224451"|"20080231022"|"20090302578"|"20140191483"|"20160046315"|"3000645"|"4542915"|"5201535"|"5338096"|"5567008"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7832755"|"7896384"|"79	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:54 PM

		38435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8585075"|"8596670"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128"|"9517787"|"9561817"|"9701333"|"9725106"|"9771095"|"9776652").PN.					
L439	7	L438 not L428	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:55 PM
L440	11	("20060214395" | "20070085303" | "20090302578" | "4763911" | "5356172" | "5395154" | "5593173" | "6431647").PN. OR ("8596670").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:58 PM
L441	12	("2007/0085303").URPN.	(USPAT)	OR	ON	ON	2019/04/15 01:05 PM
L443	1	("7475900").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/15 02:37 PM
L444	1	("7377537").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/15 02:47 PM
L445	1	("7677585").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/28 11:08 PM
L446	1	("7481439").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/28 11:09 PM
L447	21	("4222132" | "4805938" | "4969656" | "5064209" | "5653460" | "5887935" | "5918892" | "6155592" | "6523840" | "6527294" | "6752405" | "D360392").PN. OR ("7481439").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:10 PM
L448	94	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:10 PM

		"20070257526" | "20080042476" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6935652" | "6938906" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128119" | "8157273" | "8262107" | "8276935" | "D326748" | "D431798").PN. OR ("8882134").URPN.					
L449	28	("1707186" | "4222132" | "4288089" | "4354689" | "4805938" | "4969656" | "5064209" | "5076599" | "5522121" | "5653460" | "5918892" | "6086087" | "6527294" | "6752405").PN. OR ("6938906").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:13 PM
L450	56	("20030080536" | "20040075229" | "20040124611" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:14 PM

		"20040173997" | "20050127640" | "20050242549" | "20090295128" | "20100038886" | "20100230933" | "4697823" | "4846494" | "4921261" | "4946180" | "5121940" | "5338096" | "5454575" | "5624152" | "5669623" | "5687984" | "5752738" | "6189914" | "6193263" | "6209892" | "6267406" | "6409205" | "6478327" | "6702316" | "6938906" | "6964429" | "6981709" | "7017937" | "7040694" | "7284797" | "7445230" | "7513512" | "7614640" | "7770911" | "8087680" | "8100429" | "8186705" | "8186706" | "8205894" | "8282119" | "8328208" | "8388016" | "8398098" | "8414012" | "D344474" | "D345128" | "D352923" | "D430076" | "D452192" | "D455679" | "D510549" | "D593459").PN. OR ("8641077").URPN.					
L451	32	("6896286" | "D369992" | "D519422" | "D558099" | "D566013" | "D578045" | "D579827").PN. OR ("D593459").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:15 PM
L452	66	("20020093177" | "20020109320" | "20030075903" | "20030080536" | "20030111825" | "20040032103" | "20040094922" | "20040124610" | "20040124611" | "20040245747" | "20050093259" | "20050127640" | "20050242535" | "20050242549" | "20060119079" | "20070001429" | "20070108710" | "20070194545" | "20080157491" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:18 PM

		"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.					
L453	1	("D593459").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/28 11:25 PM
L454	3861	(B62B7/008,00,006,14,142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:51 AM
L455	2688	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:51 AM
L456	5586	L454 or L455	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:51 AM
L457	969007	@pd>="20190415"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:57 AM
L458	58	L456 and L457	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:59 AM
L459	27	("20040189076"|"20050029855"|"20110175306"|"20170247044"|"20170361861"|"4577355"|"5240265"|"5246272"|"5669625"|"5681084"|"5749627"|"5806877"|"6322097"|"6530591"|"6676140"|"6830254"|"6951342"|"8070180"|"8172322"|"8596670"|"8616638"|"8690250"|"8899615"|"8991929"|"9227650"|"9868456"|"D811949").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/08/23 01:02 AM
L460	167	(US-20100052277-$ or US-20070114738-$ or US-20070001429-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/08/23 01:02 AM

		US-20060290107-$ or US-20030075903-$ or US-20080303232-$ or US-20070085303-$ or US-20060131841-$ or US-20060001226-$ or US-20080224451-$ or US-20010033069-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-5338096-$ 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-$ or US- 8398098-$ or US- 7766366-$ or US- 6286844-$ or US- 6513827-$ or US- 8764048-$ or US- 8061732-$).did. or (US- 8733784-$ or US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US- 8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$).did. or (US- 9260127-$ or US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US-				

		5522121-$ or US-9545941-$ or US-9056622-$ or US-9403550-$ or US-8899615-$ or US-7364183-$ or US-9637155-$ or US-9421992-$ or US-9545940-$ or US-9346378-$ or US-8678498-$ or US-4915446-$ or US-4634177-$ or US-4306749-$).did. or (US-8851505-$ or US-8651502-$ or US-6893040-$ or US-6446990-$ or US-5865447-$ or US-5772279-$ or US-5567008-$ or US-8657326-$ or US-8491000-$ or US-6155740-$ or US-5947555-$ or US-7267359-$ or US-9776652-$ or US-9771095-$ or US-9725106-$ or US-9701333-$ or US-8585075-$ or US-8596670-$ or US-9956979-$ or US-9944305-$ or US-9924806-$ or US-9884640-$ or US-9849903-$ or US-9840168-$ or US-10207731-$ or US-10023218-$ or US-6938906-$).did. or (US-D593459-$ or US-D621306-$ or US-8328208-$ or US-7513512-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L461	22	L459 not L460	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 01:02 AM
L462	1	("6676140").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/08/23 01:04 AM
L464	4053	(B62B7/008,00,006,14,142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 08:49 PM
L465	2834	(B62B9/12,28,102).CP	(US-PGPUB; USPAT;	OR	ON	ON	2020/02/28

		C.	USOCR; FPRS; EPO; JPO)				08:49 PM
L466	5847	L464 or L465	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 08:49 PM
L467	1751101	@pd>="20190823"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 09:02 PM
L468	97	L466 and L467	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 09:02 PM
L469	97	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20080224451" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20120181779" | "20130154215" | "20140191483" | "20150021872" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6877762" | "6935652" | "6938906" | "6981709" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/02/28 09:03 PM

		"7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128118" | "8128119" | "8157273" | "8262107" | "8276935" | "8882134" | "9056622" | "9260127" | "D326748" | "D431798").PN. OR ("10556610").URPN.					
L470	21	("20100140902" | "20130087993" | "20130154241" | "20150159414" | "20160046315" | "7789402" | "7832755" | "8033554" | "8231136" | "8602441" | "8905427" | "8955869" | "8967647" | "9050987" | "9399477" | "9403550" | "9493179" | "9517787" | "9616912" | "9637154" | "D747669").PN. OR ("10449987").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/02/28 10:17 PM
L471	1	("20180201293").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/02/28 10:19 PM
L472	7365969	@ad<="20081204"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/03/01 11:01 PM
L473	172	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/03/01 11:02 PM

		US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-20130087993-$).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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$ or US-					

		8764048-$ or US- 8061732-$).did. or (US- 8733784-$ or US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US- 8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$).did. or (US- 9260127-$ or US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US- 5522121-$ or US- 9545941-$ or US- 9056622-$ or US- 9403550-$ or US- 8899615-$ or US- 7364183-$ or US- 9637155-$ or US- 9421992-$ or US- 9545940-$ or US- 9346378-$ or US- 8678498-$ or US- 4915446-$ or US- 4634177-$ or US- 4306749-$).did. or (US- 8851505-$ or US- 8651502-$ or US-				

		6893040-$ or US-6446990-$ or US-5865447-$ or US-5772279-$ or US-5567008-$ or US-8657326-$ or US-8491000-$ or US-6155740-$ or US-5947555-$ or US-7267359-$ or US-9776652-$ or US-9771095-$ or US-9725106-$ or US-9701333-$ or US-8585075-$ or US-8596670-$ or US-9956979-$ or US-9944305-$ or US-9924806-$ or US-9884640-$ or US-9849903-$ or US-9840168-$ or US-10207731-$ or US-10023218-$ or US-6938906-$).did. or (US-D593459-$ or US-D621306-$ or US-8328208-$ or US-7513512-$ or US-10293843-$ or US-10556611-$ or US-10556610-$ or US-10449987-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L474	94	L472 and L473	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/03/01 11:02 PM
L475	15	"37454081".FMID.	(US-PGPUB; USPAT; FPRS; JPO)	OR	ON	ON	2020/03/01 11:04 PM
L476	16	("2010/0072732").URPN.	(USPAT)	OR	ON	ON	2020/03/01 11:07 PM
L484	1	("10730543").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/10 02:15 PM
L485	0	("202000223470").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/10 02:16 PM
L486	1	("20200223470").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/10 02:16 PM
L487	41	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 02:19 PM
L488	4211	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM

L489	2957	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM
L490	6047	L488 or L489	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM
L491	1552888	@pd>="20200228"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM
L492	69	L490 and L491	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:34 PM
L493	98	("10023218" | "10207731" | "10293843" | "10449987" | "10556610" | "1707186" | "20010033069" | "20020109321" | "20030025304" | "20060001226" | "20060131841" | "20060290107" | "20070001429" | "20070085303" | "20070090619" | "20070114738" | "20080224451" | "20080231022" | "20090302578" | "20100140902" | "20140191483" | "20140333039" | "20160046315" | "3000645" | "4542915" | "5201535" | "5338096" | "5567008" | "6045145" | "6209892" | "6286844" | "6378892" | "6443467" | "6513827" | "6561526" | "6676140" | "6752405" | "6851693" | "6923467" | "7249779" | "7311323" | "7320471" | "7367581" | "7377537" | "7401803" | "7475900" | "7481439" | "7497461" | "7677585" | "7681894" | "7766366" | "7832755" | "7896384" | "7938435" | "8029007" | "8029014" | "8033554" | "8061732" | "8157273" | "8231136" | "8251382" | "8262103" | "8336904" | "8444171" | "8458880" | "8585075" | "8596670" | "8696016" | "8733784" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:43 PM

		"8764048" | "8882134" | "8905427" | "8936261" | "9010773" | "9108654" | "9108659" | "9119483" | "9199659" | "9200746" | "9227650" | "9242665" | "9260127" | "9260128" | "9517787" | "9561817" | "9701333" | "9725106" | "9771095" | "9776652" | "9840168" | "9849903" | "9884640" | "9924806" | "9944305" | "9956979" | "D593459").PN. OR ("10730543").URPN.					
L494	45	(Baby near2 Jogger).AS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 02:47 PM
L495	173	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-20130087993-$).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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:56 PM

		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-$ or US- 8398098-$ or US- 7766366-$ or US- 6286844-$ or US- 6513827-$ or US- 8764048-$ or US- 8061732-$).did. or (US- 8733784-$ or US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US-				

		8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$).did. or (US- 9260127-$ or US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US- 5522121-$ or US- 9545941-$ or US- 9056622-$ or US- 9403550-$ or US- 8899615-$ or US- 7364183-$ or US- 9637155-$ or US- 9421992-$ or US- 9545940-$ or US- 9346378-$ or US- 8678498-$ or US- 4915446-$ or US- 4634177-$ or US- 4306749-$).did. or (US- 8851505-$ or US- 8651502-$ or US- 6893040-$ or US- 6446990-$ or US- 5865447-$ or US- 5772279-$ or US- 5567008-$ or US- 8657326-$ or US- 8491000-$ or US- 6155740-$ or US- 5947555-$ or US- 7267359-$ or US- 9776652-$ or US- 9771095-$ or US- 9725106-$ or US- 9701333-$ or US- 8585075-$ or US- 8596670-$ or US- 9956979-$ or US- 9944305-$ or US-				

		9924806-$ or US-9884640-$ or US-9849903-$ or US-9840168-$ or US-10207731-$ or US-10023218-$ or US-6938906-$).did. or (US-D593459-$ or US-D621306-$ or US-8328208-$ or US-7513512-$ or US-10293843-$ or US-10556611-$ or US-10556610-$ or US-10449987-$ or US-10730543-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L496	84	("1707186"|"20010033069"|"20020109321"|"20030025304"|"20060001226"|"20060131841"|"20060290107"|"20070001429"|"20070085303"|"20070090619"|"20070114738"|"20080224451"|"20080231022"|"20090302578"|"20140191483"|"20160046315"|"3000645"|"4542915"|"5201535"|"5338096"|"5567008"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7832755"|"7896384"|"7938435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8585075"|"8596670"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128"|	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:57 PM

		9517787"|"9561817"|"9701333"|"9725106"|"9771095"|"9776652").PN.					
L497	4	L496 not L495	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:58 PM
L499	84	("1707186"|"20010033069"|"20020109321"|"20030025304"|"20060001226"|"20060131841"|"20060290107"|"20070001429"|"20070085303"|"20070090619"|"20070114738"|"20080224451"|"20080231022"|"20090302578"|"20140191483"|"20160046315"|"3000645"|"4542915"|"5201535"|"5338096"|"5567008"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7832755"|"7896384"|"7938435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8585075"|"8596670"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128"|"9517787"|"9561817"|"9701333"|"9725106"|"9771095"|"9776652").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 09:06 PM
L500	41	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 11:39 PM
L501	10	(Lee near2 (Jon and Hee)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 11:43 PM
L502	25	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 11:56 PM

L503	5	(Simpson near2 (Stacy and Noel)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/11 12:00 AM
L504	1	("7475900").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/15 03:29 PM
L505	1	("9260127").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/15 11:58 PM
L506	4378	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/04/11 11:36 PM
L507	3086	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/04/11 11:36 PM
L508	6262	L506 or L507	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/04/11 11:36 PM
L509	2515828	@pd>="20200910"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/04/11 11:47 PM
L510	120	L508 and L509	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/04/11 11:48 PM
L511	1	("6286844").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/04/22 11:33 AM
L512	1	("10730543").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/04/22 12:44 PM
L513	4404	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/07/02 08:37 PM
L514	3109	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/07/02 08:37 PM
L515	6295	L513 or L514	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/07/02 08:37 PM
L516	184287	@pd>="20210411"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/07/02 08:37 PM
L517	15	L515 and L516	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/07/02 08:38 PM
L518	12	"22994051".FMID.	(US-PGPUB; USPAT; FPRS; JPO)	OR	ON	ON	2021/07/02 08:52 PM
L522	4494	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/08/11 03:57 PM
L523	3202	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/08/11 03:57 PM
L524	6428	L522 or L523	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/08/11 03:57 PM

L525	81312	@pd>="20210702"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/08/11 03:58 PM
L526	6	L524 and L525	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/08/11 03:58 PM
L527	427	("10000226" | "10023218" | "10077063" | "10144442" | "10150496" | "10155528" | "10239550" | "10414423" | "10442453" | "10449987" | "10556610" | "20020041082" | "20030094791" | "20040090046" | "20050150053" | "20050167951" | "20050225056" | "20050242548" | "20050264064" | "20070013167" | "20070031224" | "20070045975" | "20070085303" | "20070108710" | "20070126195" | "20070187914" | "20070241524" | "20080079240" | "20080093825" | "20080211206" | "20080224450" | "20080231023" | "20090194973" | "20090206566" | "20090295128" | "20090315299" | "20100038887" | "20100052277" | "20100109293" | "20100127480" | "20100140902" | "20100230933" | "20100237637" | "20110012324" | "20110062676" | "20110148076" | "20110163519" | "20110181024" | "20110193325" | "20110221169" | "20110266762" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/08/11 03:59 PM

		"20110272925" | "20110291388" | "20110291389" | "20110309658" | "20120242062" | "20130113185" | "20130153616" | "20130154215" | "20130154322" | "20130227817" | "20130270800" | "20140044472" | "20140054939" | "20140056638" | "20140167393" | "20140183843" | "20140191483" | "20150021872" | "20150042075" | "20150074947" | "20150076774" | "20150108738" | "20150136553" | "20150152665" | "20150158334" | "20150197268" | "20150274188" | "20150291200" | "20150375766" | "20160001804" | "20160046314" | "20160159385" | "20160288814" | "20160332655" | "20170021851" | "20170144686" | "20170203779" | "20170217471" | "20170240197" | "20170297600" | "20170313337" | "20180001950" | "20180029625" | "20180111636" | "20190009811").PN. OR ("20190168794" | "20190193769" | "20190256121" | "2907372" | "3084949" | "4142027" | "4191397" | "4354689" | "4786064" | "4834403" | "4953880" | "5197753" | "5201535" | "5203577" | "5215320" | "5230523" | "5240265" | "5265931" | "5364137" | "5499831" | "5516142" | "5517718" | "5562300"				

		"5596910" | "5601297" | "5625923" | "5634537" | "5660430" | "5676386" | "5718439" | "5765665" | "5794951" | "5845917" | "5845924" | "5893606" | "5935010" | "5975545" | "5988670" | "6022042" | "6045145" | "6062577" | "6070890" | "6086086" | "6086087" | "6102167" | "6102431" | "6120041" | "6120054" | "6155592" | "6163924" | "6176459" | "6176507" | "6193263" | "6238125" | "6241274" | "6250652" | "6264007" | "6270111" | "6286844" | "6308805" | "6318807" | "6341672" | "6347777" | "6375213" | "6375260" | "6398233" | "6402114" | "6412809" | "6439521" | "6443468" | "6446990" | "6478327" | "6478328" | "6478376" | "6499786" | "6502669" | "6513827" | "6554298" | "6557870" | "6557885" | "6572134" | "6592132" | "6595583" | "6598712" | "6626452" | "6666473" | "6692015" | "6715783" | "6736451" | "6742791" | "6793283" | "6793292" | "6830260" | "6851700" | "6863286" | "6869096" | "6896286" | "6908087" | "6983986" | "6991248" | "7017937" | "7032922" | "7044497" | "7059452" | "7070197" | "7083175" | "7118121" | "7188858" | "7210699" | "7213818" | "7232019" | "7267359" | "7278652" | "7281732" | "7338122" | "7367581" | "7370913" | "7377537" | "7383925" | "7396039" | "7401803" | "7404569" | "7410186" | "7445228").PN. OR ("7455336" | "7475900" | "7497449" | "7497461" | "7500692" | "7537093" | "7550692" | "7566068" | "7597396" | "7600775" | "7614641" | "7618093" | "7632035" | "7658399"				

		| "7677590" | "7681894" | "7686322" | "7686323" | "7694980" | "7694995" | "7712765" | "7753398" | "7766366" | "7766367" | "7780183" | "7784801" | "7798500" | "7798515" | "7832755" | "7871099" | "7871100" | "7900952" | "7909353" | "7918001" | "7922182" | "7946650" | "7971884" | "7971897" | "7971933" | "8033555" | "8056975" | "8061732" | "8087680" | "8087688" | "8092111" | "8100429" | "8157273" | "8162025" | "8172243" | "8172253" | "8186705" | "8205906" | "8205907" | "8220118" | "8226110" | "8226111" | "8231136" | "8240700" | "8251382" | "8262103" | "8276935" | "8282120" | "8291555" | "8313115" | "8316999" | "8322744" | "8366127" | "8371606" | "8376375" | "8382127" | "8382150" | "8388254" | "8393679" | "8398096" | "8398111" | "8398143" | "8414012" | "8418816" | "8444170" | "8448977" | "8458880" | "8459665" | "8474836" | "8474854" | "8485546" | "8490757" | "8491000" | "8505956" | "8517412" | "8550489" | "8556780" | "8567311" | "8567866" | "8585063" | "8585075" | "8590919" | "8596669" | "8596670" | "8602442" | "8608190" | "8616638" | "8635743" | "8646158" | "8651502" | "8657308" | "8657311" | "8662516" | "8672341" | "8678498" | "8696015" | "8702118" | "8708364" | "8713765" | "8714581" | "8720936" | "8764048" | "8777253" | "8789662" | "8827283" | "8840132" | "8844964" | "8851505" | "8864166" | "8876147" | "8882134").PN. OR ("8899614" | "8899615" | "8905427" | "8905428"					

		| "8919806" | "8919807" | "8936261" | "8955856" | "8955868" | "8955869" | "8960734" | "8961057" | "8973217" | "8985616" | "8991838" | "8991853" | "8991854" | "8997948" | "9010773" | "9044104" | "9050993" | "9067613" | "9085312" | "9090125" | "9108658" | "9108659" | "9139044" | "9150236" | "9174662" | "9193370" | "9193373" | "9205855" | "9216755" | "9260127" | "9260128" | "9327752" | "9399477" | "9403449" | "9403549" | "9403550" | "9415790" | "9428208" | "9463822" | "9481206" | "9493178" | "9517786" | "9517789" | "9522615" | "9540028" | "9545940" | "9545941" | "9561816" | "9610966" | "9630642" | "9637153" | "9643640" | "9701332" | "9725107" | "9776652" | "9796404" | "9815487" | "9821831" | "9840168" | "9849903" | "9862401" | "9884640" | "9902417" | "9908551" | "9944305" | "9950730" | "9962011" | "D576084" | "D643344" | "D643345" | "D643346" | "D643786" | "D683974" | "D699633" | "D716705" | "D756852").PN. OR ("11059510").URPN.					
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L529	2	("20130270800" | "8157273").PN. OR ("11052933").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/08/11 04:03 PM
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L531	21	("0522608" | "0677195" | "0720692" | "3997180" | "4620686" | "7364183" | "7475900" | "8157273" | "8398143" | "8444171" | "8596670" | "D598333").PN. OR ("8844964").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/08/11 04:05 PM

L532	1	("20200385045").pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	OR	ON	ON	2021/10/13 12:35 AM
L533	111	500 501 502 503 494	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	OR	ON	ON	2021/10/13 09:34 AM
L534	3	500 501 502 503 494	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	AND	ON	ON	2021/10/13 09:35 AM
L535	92	500 501 502 503	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2021/10/13 09:36 AM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)				
L536	19	533 NOT 535	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	OR	ON	ON	2021/10/13 09:36 AM
L537	12	"57325932".fmid.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; JPO)	OR	ON	ON	2021/10/13 09:38 AM
L538	6	"38367586".fmid.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; JPO)	OR	ON	ON	2021/10/14 09:55 AM
L539	30	("3145442" | "5865447" | "5947555" | "6446314" | "7032922" | "20040164593").pn. OR ("7681894").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/10/14 09:56 AM
L540	3527	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/10/14 11:06 AM

L541	4425	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2021/10/14 11:06 AM
L542	819242	@pd>="20210811"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)	OR	ON	ON	2021/10/14 11:06 AM
L543	6717	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)	OR	ON	ON	2021/10/14 11:14 AM
L544	6006	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)	OR	ON	ON	2021/10/14 11:14 AM
L545	10662	544 543	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO,	OR	ON	ON	2021/10/14 11:14 AM

			MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)				
L546	2061	544 543	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)	AND	ON	ON	2021/10/14 11:14 AM
L547	36	545 AND 542	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO)	AND	ON	ON	2021/10/14 11:15 AM
L548	10	("20100244408" | "20110012324" | "20110241313" | "20150259005" | "20180027989" | "20190256120" | "20190320812" | "20190320814" | "20190322304" | "20200239058").pn. OR ("11091186").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	AND	ON	ON	2021/10/14 11:27 AM
L549	1	("7475900").pn.	(US-PGPUB; USPAT; USOCR)	AND	ON	ON	2021/10/14 09:17 PM
L550	67	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2021/10/15 09:23 AM

			EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)				
L551	6	(Simpson near2 (Stacy AND Noel)).in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:23 AM
L552	29	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:24 AM
L553	18	(Lee near2 (Jon AND Hee)).in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:24 AM
L554	92	550 551 552 553	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2021/10/15 09:25 AM

			AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)				
L555	6	550 551 552 553	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	AND	ON	ON	2021/10/15 09:25 AM
L556	49	(Baby near2 Jogger).AS.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:26 AM
L557	167	545 AND (seat near2 (attach$4 AND convert$4))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	OR	ON	ON	2021/10/15 09:43 AM

			JPO; DERWENT)				
L558	405	545 AND ((double OR tandem) SAME stroller)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:45 AM
L559	115914245	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:46 AM
L560	3529	545 AND 559	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:46 AM
L561	146	560 AND ((double OR tandem) SAME stroller)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/10/15 09:46 AM
L562	10	("6595583" | "7559606" | "7681894" | "8033555").pn. OR ("8313115").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/10/15 09:49 AM
L563	1	"52582129".fmid.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; JPO)	OR	ON	ON	2021/10/15 11:58 AM
L564	1	("2015/0061249").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/10/15 11:58 AM
L565	4853	545 AND 559	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/02/02 05:41 PM

			IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT)				
L566	2093553	@pd>="20211015"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	OR	ON	ON	2022/02/02 05:42 PM
L567	0	565 AND 566	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	OR	ON	ON	2022/02/02 05:42 PM
L568	73	545 AND 566	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	OR	ON	ON	2022/02/02 05:42 PM
L569	1	("6286844").pn.	(US-PGPUB; USPAT; USOCR)	AND	ON	ON	2022/02/02 05:45 PM
L570	12	("4805938" | "5653460"	(US-PGPUB; USPAT;	AND	ON	ON	2022/02/02

		| "5848797" | "6540239" | "6938906" | "6981709" | "7597332" | "9056622" | "9283978" | "9771095" | "20070001410" | "20100072731").pn. OR ("11220282").urpn. AND (PGPB | USPT | USOC).dbnm.	USOCR)				06:03 PM
L571	228	((US-20100052277-A1 OR US-20070114738-A1 OR US-20070001429-A1 OR US-20060290107-A1 OR US-20030075903-A1 OR US-20080303232-A1 OR US-20070085303-A1 OR US-20060131841-A1 OR US-20060001226-A1 OR US-20080224451-A1 OR US-20010033069-A1 OR US-20030025304-A1 OR US-20070187914-A1 OR US-20070069505-A1 OR US-20080231022-A1 OR US-20100301585-A1 OR US-20100013281-A1 OR US-20150360709-A1 OR US-20070069504-A1 OR US-20100072732-A1 OR US-20090302578-A1 OR US-20130113188-A1 OR US-20090243261-A1 OR US-20130049331-A1 OR US-20160001805-A1 OR US-20040164593-A1 OR US-20070075525-A1 OR US-20130087993-A1 OR US-20140191483-A1 OR US-20070090619-A1 OR US-20020109321-A1 OR US-20100140902-A1 OR US-20180229750-A1 OR US-20170158219-A1 OR US-20160075363-A1 OR US-20150061249-A1 OR US-20120228843-A1	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	AND	ON	ON	2022/02/02 06:32 PM

		OR US-20080179848-A1 OR US-20080150247-A1 OR US-20050006864-A1).did. AND PGPB.dbnm.) OR ((US-5338096-A OR US-6045145-A OR US-3223431-A OR US-6378892-B1 OR US-5653460-A OR US-6209892-B1 OR US-5201535-A OR US-4620711-A OR US-6676140-B1 OR US-6017051-A OR US-1707186-A OR US-7475900-B2 OR US-7938435-B2 OR US-D508443-S OR US-7497461-B2 OR US-4570956-A OR US-6923467-B2 OR US-6752405-B1 OR US-8157273-B2 OR US-7896384-B2 OR US-7677585-B2 OR US-8128103-B1 OR US-7597332-B2 OR US-7481439-B2 OR US-6851693-B2 OR US-5848797-A OR US-3000645-A OR US-8070180-B2 OR US-7832755-B2 OR US-7261308-B2 OR US-5704627-A OR US-5794951-A OR US-5647601-A OR US-2453631-A OR US-6443467-B1 OR US-8205906-B2 OR US-8262103-B2 OR US-8336904-B2 OR US-8371606-B2 OR US-8251382-B2 OR US-7377537-B2 OR US-7320471-B2 OR US-7032922-B1 OR US-7367581-B2 OR US-8029007-B2 OR US-7699325-B2 OR US-6827356-B2 OR US-8398098-B2 OR US-7766366-B2 OR US-6286844-B1 OR US-6513827-B1 OR US-8764048-B1 OR US-					

		8061732-B2 OR US- 8733784-B2 OR US- 8696016-B2 OR US- 8231136-B2 OR US- 8458880-B2 OR US- 7249779-B2 OR US- 7311323-B1 OR US- 8444171-B2 OR US- 8033554-B2 OR US- 7681894-B2 OR US- 8955869-B2 OR US- 8905427-B2 OR US- 8882134-B2 OR US- 8029014-B2 OR US- 7789402-B2 OR US- 7658399-B2 OR US- 5167425-A OR US- 8936261-B2 OR US- 9010773-B2 OR US- 9119483-B1 OR US- 9200746-B2 OR US- 9199659-B2 OR US- 9108659-B2 OR US- 9073563-B2 OR US- 9242665-B2 OR US- 7401803-B1 OR US- 9227650-B2 OR US- 9260128-B2 OR US- 9260127-B2 OR US- 8857830-B2 OR US- 2769482-A OR US- 4542915-A OR US- 6715783-B1 OR US- 9108654-B2 OR US- 9630642-B2 OR US- 9517787-B2 OR US- 9327752-B2 OR US- 6561526-B1 OR US- 8967171-B2 OR US- 9517789-B2 OR US- 9561817-B2 OR US- 6447001-B1 OR US- 5522121-A OR US- 9545941-B2 OR US- 9056622-B2 OR US- 9403550-B2 OR US- 8899615-B2 OR US- 7364183-B2 OR US- 9637155-B1 OR US- 9421992-B2 OR US- 9545940-B2 OR US- 9346378-B2 OR US- 8678498-B2 OR US- 4915446-A OR US- 4634177-A OR US- 4306749-A OR US- 8851505-B2 OR US- 8651502-B2 OR US-				

		6893040-B2 OR US- 6446990-B1 OR US- 5865447-A OR US- 5772279-A OR US- 5567008-A OR US- 8657326-B2 OR US- 8491000-B2 OR US- 6155740-A OR US- 5947555-A OR US- 7267359-B1 OR US- 9776652-B2 OR US- 9771095-B2 OR US- 9725106-B2 OR US- 9701333-B2 OR US- 8585075-B2 OR US- 8596670-B2 OR US- 9956979-B1 OR US- 9944305-B2 OR US- 9924806-B2 OR US- 9884640-B2 OR US- 9849903-B1 OR US- 9840168-B2 OR US- 10207731-B2 OR US- 10023218-B2 OR US- 6938906-B1 OR US- D593459-S OR US- D621306-S OR US- 8328208-B2 OR US- 7513512-B2 OR US- 10293843-B2 OR US- 10556611-B2 OR US- 10556610-B2 OR US- 10449987-B2 OR US- 10730543-B2 OR US- 10926785-B2 OR US- 10899377-B2 OR US- 10974754-B2 OR US- 10994763-B2 OR US- 11001289-B2 OR US- 11059510-B2 OR US- 11052933-B2 OR US- 8844964-B2 OR US- 6086087-A OR US- 9643640-B2 OR US- 9616912-B2 OR US- 9283978-B2 OR US- 9050987-B2 OR US- 9004524-B1 OR US- 8857829-B2 OR US- 8807588-B2 OR US- 8708364-B2 OR US- 8684395-B2 OR US- 8602441-B2 OR US- 8505958-B2 OR US- 8480115-B2 OR US- 8322745-B2 OR US- 6585284-B2 OR US- 6267406-B1 OR US-				

		11091186-B2 OR US-11052934-B2 OR US-10960913-B2 OR US-8313115-B2 OR US-10322739-B2 OR US-7971897-B2 OR US-7614640-B2 OR US-8205894-B2 OR US-6981709-B2 OR US-6935652-B2 OR US-3998490-A OR US-11220282-B2 OR US-11208136-B2 OR US-11208135-B2 OR US-11203371-B2 OR US-11192568-B2).did. AND USPT.dbnm.) OR ((US-3000645-A OR US-2453631-A OR US-1707186-A).did. AND USOC.dbnm.) OR ((US-20050006864-A1).did. AND DWPI.dbnm.)					
L572	9	571 AND (central$ near2 wheel)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO)	OR	ON	ON	2022/02/02 06:32 PM
L573	1	("20200385045").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/02/03 10:10 AM
L574	11	"51060413".fmid.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; JPO)	OR	OFF	OFF	2022/02/03 12:40 PM
L575	19	"46172541".fmid.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	OFF	OFF	2022/02/03 12:46 PM

			CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; JPO)				
L576	1	(D593459).pn.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/02/03 01:26 PM
L577	13	("10449987"|"10556610"|"10899377"|"11091186"|"6267406"|"6286844"|"6513827"|"7377537"|"7475900"|"7971897"|"8313115"|"8602441"|"D593459").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/02/03 01:28 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N163	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	(US-PGPUB; USPAT)	AND	ON	ON	2014/02/03 05:17 PM

		right seat support elements).clm.					
N164	0	(seat attachment stroller separate left right attachment portion connector portion removably connecting frame adjacent front wheel seat support element removably connecting seat forward backward position).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/02/04 09:35 AM
N165	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)	AND	ON	ON	2014/02/04 09:46 AM
N166	1	(seat attach$4 stroller separate left right connect$4 remov$4 frame wheel support$4).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/02/04 09:46 AM
N167	19	(seat attach$4 stroller left right connect$4 remov$4 frame wheel).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/02/04 09:47 AM
N213	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	(US-PGPUB; USPAT)	AND	ON	ON	2014/09/24 02:26 PM

		element removably connecting the seat in either a forward or backward position between the left and right seat support elements).clm.					
N214	1	(seat attach$4 stroller separate left right connect$4 remov$4 frame wheel support$4).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/09/24 02:26 PM
N215	19	(seat attach$4 stroller left right connect$4 remov$4 frame wheel).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/09/24 02:26 PM
N216	19	(seat$3 attach$4 stroller left right connect$4 remov$4 fram$3 wheel).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/09/24 02:29 PM
N217	68	(seat$3 attach$4 stroller connect$4 remov$4 fram$3 wheel).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2014/09/24 02:29 PM
N218	5	("20020036391" | "20070069505" | "20070187914" | "4753453" | "4779883").PN. OR ("8033554").URPN.	(US-PGPUB; USPAT)	OR	ON	ON	2014/09/24 02:32 PM
N248	4	(US-20070187914-$).did. or (US-7311323-$ or US-8444171-$ or US-8033554-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2015/04/20 02:14 PM
N411	0	(A stroller, comprising a stroller frame a plurality of wheels coupled to the stroller frame a first seat coupled to the stroller frame a first seat attachment housing disposed along a first portion of the stroller frame and comprising a first adapter receiving cavity extending through the first seat attachment housing and a first door rotatably coupled to the first seat attachment housing along a top end of the first adapter receiving cavity, wherein the first door rotates from a closed configuration, preventing access to	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 04:52 PM

		the first adapter receiving cavity from a top side of the first seat attachment housing to an open configuration allowing access to the first adapter receiving cavity from the top side of the first seat attachment housing a second seat attachment housing disposed along a second portion of the stroller frame and comprising a second adapter receiving cavity extending through the second seat attachment housing and a second door rotatably coupled to the second seat attachment housing along a second top end of the second adapter receiving cavity, wherein the second door rotates from a second closed configuration, preventing access to the second adapter receiving cavity from a top side of the second seat attachment housing, to a second open configuration allowing access to the second adapter receiving cavity from the top side of the second seat attachment housing a first removable seat attachment adapter removably coupled to the first seat attachment housing and a second removable seat attachment adapter removably coupled to the second seat attachment housing).CLM.					
N412	0	(stroller frame wheel seat attachment housing first adapter receiving cavity extending through	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 04:55 PM

		housing first door rotatably coupled to housing closed configuration preventing access to cavity from top side open configuration allowing access to cavity first removable seat attachment adapter removably coupled to housing and second removable seat attachment adapter removably coupled to housing).CLM.					
N413	1	(stroller frame wheel seat attach$4 hous$4 adapter receiv$4 cavity extend$4 door rotat$4 closed configuration prevent$4 access$4 open configuration allow$4 access).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 04:56 PM
N414	1	(stroller frame wheel seat attach$4 hous$4 adapter receiv$4 cavity door rotat$4 closed configuration prevent$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:21 PM
N415	1	(stroller wheel seat attach$4 hous$4 cavity door closed configuration prevent$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:22 PM
N416	1	(stroller wheel seat attach$4 hous$4 cavity door clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:22 PM
N417	1	(stroller seat attach$4 hous$4 cavity door clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:23 PM
N418	1	(stroller seat$3 attach$4 cavity door clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:24 PM
N419	1	(stroller seat$3 cavity door clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:24 PM
N420	3	(stroller seat$3 door clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:24 PM
N421	2	(stroller seat$3 cavit$3 clos$4 access$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:26 PM
N422	21	(stroller seat$3 cavit$3 clos$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2017/11/13 05:26 PM

N442	5	(US-20090243261-$).did. or (US-7938435-$ or US-6447001-$ or US-8585075-$ or US-8596670-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2019/04/15 11:03 AM
N463	2	(US-20090243261-$).did. or (US-6447001-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2019/08/23 01:02 AM
N477	2	(US-20090243261-$).did. or (US-6447001-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2020/03/01 11:02 PM
N478	0	(A stroller, comprising a stroller frame comprising a first upper tube support frame a second upper tube support frame a first front wheel support frame rotatable with respect to the first upper tube support frame a second front wheel support frame rotatable with respect to the second upper tube support frame a first back wheel support frame rotatable with respect to the first upper tube support frame a second back wheel support frame rotatable with respect to the second upper tube support frame a plurality of wheels comprising at least one front wheel and a plurality of back wheels a first seat coupled to the stroller frame at a first vertical position of the stroller frame a first seat attachment housing disposed along the first front wheel support frame a first seat attachment adapter removably coupled to the first seat attachment housing stroller frame at a second vertical position of the stroller frame that is below the first vertical position a second seat attachment housing disposed along	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:05 PM

		the second front wheel support frame a second seat attachment adapter removably coupled to the second seat attachment housing at a third vertical position of the stroller frame that is below the first vertical position wherein the first seat is coupled along the first upper tube support frame and the second upper tube support frame and wherein a second seat is removably coupled to the first seat attachment adapter and the second seat attachment adapter to position the second seat at a fourth vertical position that is below the first vertical position).CLM.					
N479	1	(stroller frame wheel first seat first vertical position attachment housing adapter removably coupled below).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:07 PM
N480	1	(stroller frame wheel seat vertical position attach$4 hous$4 adapt$4 remov$4 coupl$4 below).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:10 PM
N481	4	(stroller frame wheel seat attach$4 hous$4 adapt$4 remov$4 coupl$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:10 PM
N482	11	(stroller frame wheel seat attach$4 adapt$4 remov$4 coupl$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:11 PM
N483	33	(stroller frame wheel seat attach$4 adapt$4 remov$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2020/03/11 11:12 PM
N498	2	(US-20090243261-$).did. or (US-6447001-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2020/09/10 02:56 PM
N519	37	(stroller frame wheel seat attach$4 adapt$4 remov$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2021/07/02 08:50 PM
N520	37	(stroller frame wheel seat attach$4 adapt$4	(US-PGPUB; USPAT)	AND	ON	ON	2021/07/02 08:50 PM

		removv$4).CLM.					
N521	0	N519 not N520	(US-PGPUB; USPAT)	AND	ON	ON	2021/07/02 08:50 PM
N532	0	(A stroller, comprising a stroller frame comprising a first upper tube support frame a second upper tube support frame a front wheel support frame rotatably adjusted to be substantially parallel with respect to the first upper tube support frame when the stroller frame is unfolded from a folded configuration a back wheel support frame rotatably adjusted to be substantially parallel with respect to the first upper tube support frame when the stroller frame is unfolded from a folded configuration a plurality of wheels comprising at least one front wheel and a plurality of back wheels a first seat coupled along the first upper tube support frame and the second upper tube support frame at a first vertical position of the stroller frame a first seat attachment adapter coupled to the front wheel support frame at a second vertical position of the stroller frame that is below the first vertical position a second seat attachment adapter coupled to the front wheel support frame at a third vertical position of the stroller frame that is below the first vertical position wherein a second seat is removably coupled to the first seat attachment adapter and the second seat attachment adapter to position the	(US-PGPUB; USPAT)	AND	ON	ON	2021/08/12 04:23 PM

		second seat at a fourth vertical position that is below the first vertical position).CLM.					
N533	0	(stroller frame wheel fold$4 seat$4 vertical$4 position$4 attach$4 adapter coupl$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2021/08/12 04:31 PM
N534	0	(stroller fram$4 wheel fold$4 seat$4 vertical$4 position$4 attach$4 adapter).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2021/08/12 04:34 PM
N535	54	(stroller fram$4 wheel fold$4 seat$4 vertical$4 position$4).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2021/08/12 04:35 PM
N536	70	("4834415" | "4886289" | "5018754" | "5167425" | "5417449" | "5664795" | "5769448").PN. OR ("6086087").URPN.	(US-PGPUB; USPAT)	OR	ON	ON	2021/08/12 04:51 PM
N537	32	("20010013688" | "20030020259" | "20060226635" | "20060290107" | "20090039620" | "20100038886" | "20100078916" | "20100244393" | "3223431" | "4542915" | "4725071" | "4858947" | "4886289" | "5221106" | "5333893" | "5417449" | "5624152" | "5887935" | "6086087" | "6267406" | "6530591" | "6843498" | "6935652" | "7475900" | "D360392").PN. OR ("8602441").URPN.	(US-PGPUB; USPAT)	OR	ON	ON	2021/08/12 05:01 PM
N538	0	(A stroller, comprising: a stroller frame; a plurality of wheels comprising at least one central wheel AND a plurality of back wheels; a first seat coupled to the stroller frame at a first vertical position of the stroller frame AND configured to hold a first child in the stroller; a first seat attachment housing coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical	(US-PGPUB; USPAT)	AND	ON	ON	2022/02/02 06:30 PM

		position, wherein a first front wheel extends from a front of the stroller; a second seat attachment housing coupled to the stroller frame at a third vertical position of the stroller frame that is below the first vertical position, wherein a second front wheel extends from the front of the stroller; wherein a first seat attachment adapter is coupled to the first seat attachment housing AND wherein a second seat attachment adapter is coupled to the second seat attachment housing).CLM.					
N539	0	(stroller frame wheel central$ wheel back seat attach$ housing vertical position front wheel adapter coupled).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2022/02/03 08:56 AM
N540	0	(stroller frame wheel central$ back seat attach$ housing front adapter coupled).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2022/02/03 09:19 AM
N541	0	(stroller frame wheel central$ seat attach$ front adapter coupled).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2022/02/03 09:19 AM
N542	1	(stroller frame wheel central$ seat attach$ front adapter).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2022/02/03 09:19 AM
N543	34	(stroller frame wheel central$ seat attach$ front).CLM.	(US-PGPUB; USPAT)	AND	ON	ON	2022/02/03 09:19 AM

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Application	Document	Mailroom Date	Attorney Docket No.
16903292	CTFR	02/09/2022	34757-2446
	892	02/09/2022	34757-2446

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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	16/903,292	Filing Date	2020-06-16	Docket Number (if applicable)	34757-2446	Art Unit	3618
First Named Inventor	Jon Hee Lee			Examiner Name	James M. Dolak		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☒ Amendment/Reply
- ☐ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 195029

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

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Applicant Signature

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Signature of Registered U.S. Patent Practitioner			
Signature	/Nihal S. A. Parkar/	Date (YYYY-MM-DD)	2022-05-16
Name	Nihal S. A. Parkar	Registration Number	74130

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
16/903,292	**05/16/2022 01:39:07 PM ET**	**34757-2446**

Title of Invention

REMOVABLE SEAT ATTACHMENT FOR A STROLLER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2406	FILED BY	Lisa Silver
PATENT CENTER #	60668900	FILING DATE	06/16/2020
CUSTOMER #	134811	FIRST NAMED INVENTOR	Jon Hee LEE
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Nihal Parkar

Documents

TOTAL DOCUMENTS: 5

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
34757-2446-Response.pdf		11	-	65 KB
34757-2446-Response-A.NE.pdf	(1-1)	1	Response After Final Action	20 KB
34757-2446-Response-CLM.pdf	(2-7)	6	Claims	37 KB
34757-2446-Response-REM.pdf	(8-11)	4	Applicant Arguments/Remarks Made in an Amendment	38 KB
34757-2446-EOT-aia0022.PDF		2	Extension of Time	179 KB

34757-2446-RCE-sb0030e_fill.PDF	3	Request for Continued Examination (RCE)	681 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
34757-2446-Response.pdf	01D1C473675FF052F62CAB9226B1B780E44AC8252A5C3E306DA3781F4CE1DD9BEB392516337D820C93AD22F3893E6ACC7A15F4E09E7FB376813CA9DB22E5DF80
34757-2446-Response-A.NE.pdf	63BD25DD6FADD587C468534F681268DBD56E4A416D0C9F7F8DBF9612F28AAD79417175C194277B8C8913BC980623F39C818F48DE794DC677DC1F197BD6F6A94B
34757-2446-Response-CLM.pdf	5FFC007A5C7622A670AE2EFD3223A1001196C25A21DCFAB43413E6C8EF19A75B8DF2B876A10961F7DC9947A09F16E0C043AD03FF9EDFB3B4C4F7FF8E2C8EA01C
34757-2446-Response-REM.pdf	32FA85DAF64AD9B957CB5A96DBE5404D765DED362BEFDC278E31276C2DA9967BCD63AD08ACAFF04FEC3B1CD846AEE49FC0AF16A3621A8365419A6A25FE59F189
34757-2446-EOT-aia0022.PDF	4AC299E2C406AC5829FEF243074D0256F278B63186A4106CDDEF99DA23DA8EDA410CD5AE67828534007DD3C01F7FF71633D57D02C002BC907F9233152DA347C5
34757-2446-RCE-sb0030e_fill.PDF	581F11EC0524B7C0EF8DEB0F982347506913BBB5B2BA294C55E20054EED4ABAE1F2C3111F8613865727E4FB4DBE41B01496BCD5D50AA18C7EE043A481D802D79

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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

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ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
16/903,292	05/16/2022 01:39:07 PM ET	34757-2446

Title of Invention

REMOVABLE SEAT ATTACHMENT FOR A STROLLER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2406	FILED BY	Lisa Silver
PATENT CENTER #	60668900	AUTHORIZED BY	Nihal Parkar
CUSTOMER #	134811	FILING DATE	06/16/2020
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Jon Hee LEE

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 195029	E20225FD39343126	Nihal Parkar

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1202	EACH CLAIM IN EXCESS OF 20	100.00	3	300.00
1251	EXTENSION FOR RESPONSE WITHIN FIRST MONTH	220.00	1	220.00
1801	REQUEST FOR CONTINUED EXAMINATION (RCE) - 1ST REQUEST (SEE 37 CFR 1.114)	1360.00	1	1360.00
			TOTAL AMOUNT:	$1,880.00

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described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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

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New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Jon Hee Lee, et al.**	)	Customer No.: **134811**
Serial No.: **16/903,292**	)	Confirmation No.: **2406**
Filing Date: **June 16, 2020**	)	Art Unit: **3618**
For: **REMOVABLE SEAT ATTACHMENT FOR A STROLLER**	)	Examiner: **James M. Dolak**
	)	Attorney Docket No.: **34757-2446**

AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION

VIA EFS
Mailstop: AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Examiner:

Responsive to the Final Office Action dated February 9, 2022, Applicant submits the following Amendment and Response, along with a Request for Continued Examination (RCE), a Petition for a 1-month Extension of Time, and fees, including fees for net addition of claims. In light of these amendments and remarks, Applicant respectfully asserts that all of the pending claims in the present application are patentable, and that the application be allowed.

Amendments to the Claims begin at page **2** of this paper.
Remarks begin at page **8**.

Certificate of Electronic Transmission

I hereby certify that this correspondence is being transmitted via the U.S. Patent and Trademark Office (USPTO) electronic filing system (EFS-Web) to the USPTO on **May 16, 2022**.

/Nihal S. A. Parkar/
Nihal S. A. Parkar, Reg. No. 74,130

47307114.2

AMENDMENTS TO THE CLAIMS

Please amend the claims as shown below. This listing of claims will replace all prior versions and listing of claims for this application.

1. (Currently Amended) A stroller, comprising:

a stroller frame;

a plurality of wheels comprising ~~at least one central wheel and~~ a plurality of back wheels;

a first seat coupled to the stroller frame at a first vertical position of the stroller frame ~~and configured to hold a first child in the stroller~~;

a first seat attachment housing coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical position, wherein a first front wheel extends from a front of the stroller;

a second seat attachment housing coupled to the stroller frame at a third vertical position of the stroller frame that is below the first vertical position, wherein a second front wheel extends from the front of the stroller;

~~wherein~~ a first seat attachment adapter[[is]] coupled to the first seat attachment housing; and

~~wherein~~ a second seat attachment adapter[[is]] coupled to the second seat attachment housing.

2. (Currently Amended) The stroller of claim 1, further comprising a first connector portion and a second connector portion, wherein the first seat attachment adapter is removably coupled to the first seat attachment housing via the[[a]] first connector portion[[;]], and

wherein the second seat attachment adapter is removably coupled to the second seat attachment housing via the[[a]] second connector portion.

3. (Original) The stroller of claim 2, further comprising a second seat removably coupled to the first seat attachment adapter and the second seat attachment adapter.

4. (Original) The stroller of claim 2, wherein each of the first seat attachment adapter and the second seat attachment adapter has a first end and a distal second end.

5. (Currently Amended) The stroller of claim 4, wherein the first end comprises [[a]]the respective first connector portion or the second conne portion and, and the first end is releasably connected to ~~one of~~ the respective first seat attachment housing [[and]]or the second seat attachment housing.

6. (Currently Amended) The stroller of claim 4, wherein the distal second end is releasably connected to a second seat.

7. (Original) The stroller of claim 3, wherein the first seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat, a second car seat, a second stroller seat, a second bassinet, a second baby carrier, or a second pram.

8. (Withdrawn) The stroller of claim 1, further comprising:

a third seat attachment adapter coupled to the stroller frame at the first vertical position; and

a fourth seat attachment adapter coupled to the stroller frame at the first vertical position;

wherein the first seat is removably coupled to the third seat attachment adapter and the fourth seat attachment adapter.

9. (Original) The stroller of claim 1, wherein the second vertical position and the third vertical position are at a same vertical height.

10. (Withdrawn) The stroller of claim 1, wherein the stroller frame comprises:

a first upper tube support frame;

a second upper tube support frame;

a first front wheel support frame configured to rotate with respect to the first upper tube support frame;

a second front wheel support frame configured to rotate with respect to the second upper tube support frame;

a first back wheel support frame configured to rotate with respect to the first upper tube support frame; and

a second back wheel support frame configured to rotate with respect to the second upper tube support frame.

11. (Withdrawn) The stroller of claim 10, wherein the first seat is coupled along the first upper tube support frame and the second upper tube support frame, wherein the first seat attachment housing is coupled to the first front wheel support frame, and wherein the second seat attachment housing is coupled to the second front wheel support frame.

12. (Withdrawn) The stroller of claim 10, further comprising a handle comprising a first end coupled to the first upper tube support frame and a distal second end coupled to the second upper tube support frame.

13. (Original) The stroller of claim 1, wherein the first seat attachment housing and the second seat attachment housing are part of the stroller frame.

14. (Withdrawn – Currently Amended) A stroller, comprising:

a stroller frame comprising:

a first upper tube support frame[[;]],

a second upper tube support frame[[;]],

a first front wheel support frame ~~configured to rotate~~ rotatable with respect to the first upper tube support frame[[;]],

a second front wheel support frame ~~configured to rotate~~ rotatable with respect to the second upper tube support frame[[;]],

at least one back wheel support frame[[;]], and

a stroller handle provided along an end of the first upper tube support frame and the second upper tube support frame;

a first front wheel operably coupled to the first front wheel support frame;

a second front wheel operably coupled to the second front wheel support frame;

a plurality of back wheels operably coupled to the at least one back wheel support frame;

a first seat coupled along the first upper tube support frame and the second upper tube support frame ~~and configured to hold a first child in the stroller~~;

a first seat attachment housing coupled to the first front wheel support frame;

a second seat attachment housing coupled to the second front wheel support frame;

a first seat attachment adapter removably coupled to the first seat attachment housing;

a second seat attachment adapter removably coupled to the second seat attachment housing; and

a second seat removably coupled to the first seat attachment adapter and the second seat attachment adapter ~~and configured to hold a second child in the stroller~~.

15. (Withdrawn) The stroller of claim 14, wherein the first seat is one of a baby seat, a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat, a second car seat, a second stroller seat, a second bassinet, a second baby carrier, or a second pram.

16. (Withdrawn) The stroller of claim 14, wherein the first seat is removably coupled along the stroller frame.

17. (Withdrawn) The stroller of claim 14, further comprising:

a third seat attachment adapter coupled to the first upper tube support frame; and

a fourth seat attachment adapter coupled to the second upper tube support frame;

wherein the first seat is removably coupled to the third seat attachment adapter and the fourth seat attachment adapter.

18. (Withdrawn – Currently Amended) A stroller, comprising:

a stroller frame comprising:

a first upper tube support frame[[;]],

a second upper tube support frame[[;]],

a front wheel support frame ~~configured to rotate~~ rotatable with respect to the first upper tube support frame and the second upper tube support frame[[;]],

at least one back wheel support frame[[;]], and

a stroller handle provided along an end of the first upper tube support frame and an end of the second upper tube support frame;

at least one front wheel operably coupled to the front wheel support frame;

at least one back wheel operably coupled to the at least one back wheel support frame;

a first seat attachment housing coupled to the front wheel support frame;

a second seat attachment housing coupled to the front wheel support frame;

a first seat attachment adapter removably coupled to the first seat attachment housing;

a second seat attachment adapter removably coupled to the second seat attachment housing;

a third seat attachment adapter coupled to the first upper tube support frame;

a fourth seat attachment adapter coupled to the second upper tube support frame;

a first seat removably coupled along the third seat attachment adapter and the fourth seat attachment adapter ~~and configured to hold a first child in the stroller~~; and

a second seat removably coupled to the first seat attachment adapter and the second seat attachment adapter ~~and configured to hold a second child in the stroller~~.

19. (Withdrawn) The stroller of claim 18, wherein the at least one back wheel support frame is rotatable with respect to the first upper tube support frame and the second upper tube support frame.

20. (Withdrawn) The stroller of claim 18, wherein the first seat attachment housing and the second seat attachment housing are part of the stroller frame.

21. (New) The stroller of claim 3, wherein the second seat is vertically lower than the first seat.

22. (New) The stroller of claim 1, wherein the first front wheel extends from the first seat attachment housing, and wherein the second wheel extends from the second seat attachment housing.

23. (New) The stroller of claim 1, wherein the plurality of wheels comprises at least one central wheel.

REMARKS

This Response is believed to be fully responsive to the Final Office Action dated February 9, 2022. Claims 1-23 will be pending upon entry of the amendment. Claims 1-7, 9, and 13 stand rejected, and claims 8, 10-12 and 14-20 were previously withdrawn by Applicant's prior election response without prejudice to filing continuation and/or divisional applications. Claims 1, 2, 5, 6, 14, and 18 are amended for further clarity. New claims 21-23 are added. All claimed subject matter is fully supported by the Applicant's specification, and no new subject matter has been added.

Although this Amendment and Response includes amendments to the claims and may include characterizations of claim scope and/or the applied references, Attorney for the Assignee is not conceding that the subject matter encompassed by the claims at any stage of prosecution of this application prior to this Amendment is unpatentable over the art cited during prosecution of this application. Rather, any claim amendments or characterizations are being made solely to facilitate expeditious prosecution of this application. Attorney for the Assignee respectfully reserves the right to pursue at a later date – in this or in one or more divisional and/or continuing applications – any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure.

Reconsideration and allowance of this application is respectfully requested in view of the above-described claim amendments and the remarks presented below.

Rejection under pre-AIA 35 U.S.C. § 112

Claims 1-7, 9, and 13 are rejected under pre-AIA 35 U.S.C. § 112, second paragraph, for allegedly being indefinite. In particular, the Office Action asserts that the phrase "a first seat . . . configured to hold" recited in claim 1 is unclear. Applicant respectfully traverses the rejection, because breadth is not indefiniteness (MPEP § 2111). One having ordinary skill in the art would have at once envisaged that a seat may or may not be occupied by an occupant. Even if the phrase allegedly covers two situations: (1) where the holding occurs, and (2) where the holding does not occur, such breadth does not result in indefiniteness. Nonetheless, solely in the interest of compact prosecution, Applicant has amended claim 1 to no longer recite the phrase "configured to hold," rendering the rejection moot. Claim 1 and the respective dependent claims are clear and definite.

The Office Action asserts that claim 5 is unclear for failing to provide insufficient antecedent basis. Applicant has amended claim 5 in the manner suggested in the Office Action. Claim 5 is clear and definite.

Applicant respectfully requests reconsideration and withdrawal of the rejection under pre-AIA 35 U.S.C. § 112, second paragraph.

Rejections under pre-AIA 35 U.S.C. § 103(a)

Claims 1-5, 7, 9, and 13 are rejected under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over U.S. Pat. No. 7,475,900 to Cheng (hereinafter, "Cheng") in view of U.S. Pat. No. D593,459 to Liao (hereinafter, "Liao") and further in view of U.S. Pat. No. 6,286,844 to Cone II, et al. (hereinafter, "Cone II"). Claim 6 is rejected under 35 U.S.C. § 103 as allegedly being unpatentable over Cheng in view of Liao, in further view of Cone II. These rejections are traversed.

The Office Action improperly relies on the same element of Cheng as constituting two distinct claimed elements. In rejecting claim 3, which depends from claim 1, the Office Action characterizes an element 71 of Cheng as being "a second seat (See, e.g., Cheng: 4-8, 71)" (Office Action, page 7). Yet, in rejecting claim 1, the Office Action characterizes the same element 71 as also being a "first seat attachment adapter (See, e.g., Fig. 4-8, 71)" (Office Action, page 6).

Firstly, a seat cannot be an adapter for itself, and the Office Action's assertion that the element 71 of Cheng is both a second seat and a first seat attachment adapter is contradictory. Indeed, claim 3 expressly recites "a second seat removably coupled to the first seat attachment adapter . . . ." (emphasis added)

Secondly, the characterization of the element 71 as being a first seat attachment adapter is based on an unreasonably broad interpretation of the claimed subject matter. Cheng itself expressly describes the element 71 as being "a front seat (71)" (Cheng, col. 3, line 29). Applicant acknowledges that a rejection may be based on a re-characterization or a different characterization of an element described in a reference. However, MPEP § 2111 requires that claimed subject matter be interpreted in a reasonably broad manner. There is no question that the front seat 71 of Cheng is a seat. Cheng does not teach or suggest that the front seat 71 is anything other than a seat, and that it is used in any other manner. The characterization of the front seat 71 of Cheng as

being a first seat attachment adapter in the Office Action is not be a reasonably broad interpretation of the term "first seat attachment adapter," as recited by claim 1.

Thus, even if one having ordinary skill in the art would have had an apparent reason to modify Cheng in view of Cone and Liao (which Applicant does not concede), one having ordinary skill in the art would not have arrived at the subject matter of claim 1, or of the respective dependent claims.

The Office Action asserts that one having ordinary skill in the art would have modified Cheng "for the purpose of conveniently and beneficially allowing a use to push an maneuver the system easily by providing an additional point of contact with the ground to evenly distribute the load of the stroller across the entire stroller frame" (Office Action, page 6). However, this reason is not apparent from the applied references. The Office Action does not explain why one having ordinary skill in the art would have understood Cheng's stroller as not evenly distributing the load of the stroller, or any teaching or suggestion of such a problem in Cheng's stroller. A *prima facie* case for unpatentability cannot be supported by some reason for modification or combination, or even a plausible reason for modification or combination. Rather, a rejection under 35 U.S.C. § 103 premised on a modification of references requires "an apparent reason to combine the known elements in the fashion claimed by the patent at issue" (KSR International Co. vs. Teleflex Inc., 550 U.S. 398, at 418, 2007, emphasis added). The Office Action fails to provide such an apparent reason for the proposed modification—the reasons offered in the Office Action are not apparent from the cited embodiments of Cheng, Cone II, or Liao.

At least for the foregoing reasons, the applied combination of references does not teach or suggest the subject matter of claim 1, or of the respective dependent claims. The Office Action does not establish a *prima facie* case of obviousness under pre-AIA 35 U.S.C. § 103(a) of Applicant's claims over the applied combination of references.

Applicant respectfully requests reconsideration and withdrawal of the rejections under pre-AIA 35 U.S.C. § 103(a).

No Waiver

All of Applicant's arguments and amendments presented herein are without prejudice or disclaimer. Additionally, Applicant has merely discussed example distinctions from the references. Other distinctions may exist and Applicant reserves the right to discuss these additional distinctions in a later response or on appeal, if appropriate, in this or another related application. By not responding to additional statements made by the Examiner, such as what is taught by each cited reference or alleged to be obvious in view of the cited references, Applicant does not acquiesce to the Examiner's additional statements. The example distinctions discussed by Applicant are sufficient to overcome the mentioned rejections.

CONCLUSION

It is not believed that extensions of time or fees for net addition of claims are required, beyond those which may otherwise be provided for in documents accompanying this response. However, in the event that additional extensions of time are necessary to allow consideration of this response, such extensions are hereby petitioned under 37 C.F.R. §1.136(a), and any fee required therefor (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 19-5029.

Respectfully Submitted,

/Nihal S. A. Parkar/

Nihal S. A. Parkar
Attorney for Applicant
Registration No. 74,130

Dated: **May 16, 2022**

EVERSHEDS SUTHERLAND (US) LLP
999 Peachtree Street, NE; Suite 2300
Atlanta, GA 30309-3996
Telephone: 404-853-8009
Facsimile: 404-853-8806

Attorney Docket: **34757-2446**

PTO/AIA/22 (10-20)
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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): 34757-2446

Application Number: 16/903,292

Filed: June 16, 2020

For: REMOVABLE SEAT ATTACHMENT FOR A STROLLER

Art Unit: 3618

Examiner: James M. 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):

	Fee	Small Entity Fee	Micro Entity Fee	
☑ One month (37 CFR 1.17(a)(1))	$220	$110	$55	$ 220
☐ Two months (37 CFR 1.17(a)(2))	$640	$320	$160	$
☐ Three months (37 CFR 1.17(a)(3))	$1,480	$740	$370	$
☐ Four months (37 CFR 1.17(a)(4))	$2,320	$1,160	$580	$
☐ Five months (37 CFR 1.17(a)(5))	$3,160	$1,580	$790	$

☐ 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 195029.

☑ 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.

☑ attorney or agent of record. Registration number 74130.

☐ attorney or agent acting under 37 CFR 1.34. Registration number _____.

/Nihal S. A. Parkar/ — Signature

May 16, 2022 — Date

Nihal S. A. Parkar — Typed or printed name

404.853.8009 — 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 1 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: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether 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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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 16/903,292	Filing Date 06/16/2020	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $460 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	05/16/2022	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 23	Minus	** 20	= 3		x $100 =	300
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	300

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

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

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/903,292	06/16/2020	Jon Hee LEE	34757-2446	2406

134811 7590 06/22/2022

Eversheds Sutherland (US) LLP/NWL
999 Peachtree Street
Suite 2300
Atlanta, GA 30309

EXAMINER	
DOLAK, JAMES M	

ART UNIT	PAPER NUMBER
3618	

NOTIFICATION DATE	DELIVERY MODE
06/22/2022	ELECTRONIC

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

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

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

patentdocket@eversheds-sutherland.com

Office Action Summary	Application No. 16/903,292	Applicant(s) LEE et al.	
	Examiner JAMES M DOLAK	Art Unit 3618	AIA (FITF) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

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

Status

1)☑ Responsive to communication(s) filed on 5/16/2022.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

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

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

Disposition of Claims*

5) ☑ Claim(s) 1-23 is/are pending in the application.

5a) Of the above claim(s) 8,10-12 and 14-20 is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-7,9,13 and 21-23 is/are rejected.

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

9) ☑ Claim(s) 1-23 are subject to restriction and/or election requirement

* If any claims have been determined allowable, 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.**

Application Papers

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

11)☑ The drawing(s) filed on 1/03/2022 is/are: a)☐ accepted or b)☑ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

12)☐ 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)).

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

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

Response to Amendment

2. The reply filed on 5/16/2022 amended claims 1, 2, 5, 6, 14, and 18, and added new claims 21-23. Claims 1-23 are currently pending herein. However, claims 8, 10-12, and 14-20 were previously withdrawn in response to a restriction requirement.

3. The amendment filed 5/16/2022 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: "wherein the first front wheel extends from the first seat attachment housing, and wherein the second wheel extends from the second seat attachment" (Claim 22).

Applicant is required to cancel the new matter in the reply to this Office Action.

Response to Arguments

4. Applicant's arguments filed 5/16/2022 have been fully considered but they are not persuasive, Applicant's arguments not rendered moot by the claim amendments have been addressed below.

5. **On pages 9-10 of the response, Applicant states:** "The Office Action improperly relies on the same element of Cheng as constituting two distinct claimed elements. In rejecting claim 3, which depends from claim 1, the Office Action characterizes an element 71 of Cheng as being "a second seat (See, e.g., Cheng: 4-8,

71)" (Office Action, page 7). Yet, in rejecting claim 1, the Office Action characterizes the same element 71 as also being a "first seat attachment adapter (See, e.g., Fig. 4-8, 71)" (Office Action, page 6)…the characterization of the element 71 as being a first seat attachment adapter is based on an unreasonably broad interpretation of the claimed subject matter."

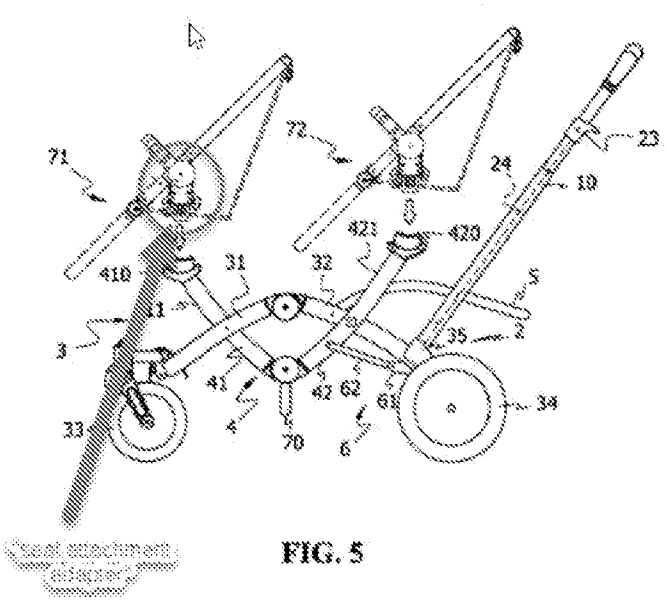

FIG. 5

6. Regarding these contentions, the Examiner maintains that the Cheng reference provides for the disputed claim limitations based on the broadest reasonable interpretation of the claims. Specifically, while the Cheng reference does not specifically recite that the cited components are "a seat attachment adapter" it is clear from the disclosure and cited figures that the cited components provide for the claimed limitations (See, e.g., Cheng: Fig.4-8). It is not necessary for anticipation that the cited reference specifically label and recite each element in the reference relied upon when it is clear from the overall disclosure. One of ordinary skill in the art would not necessarily interpret the disputed elements as restrictively as the Applicant argues. Moreover, Cheng provides: "FIGS. 4 to 8 show an alternative embodiment of the stroller frame of

the present invention. Certain features differ from the first embodiment, including the lower support joint (4) upwardly extending with a pair of front extension arms (411) and a pair of rear extension arms (412), the front extension arms (411) and the pair of rear extension arms (412) having support bases (410) and (420), respectively, the support bases (410) and (420) being furnished at the ends for ***detachably securing*** at least one of a front seat (71) and a rear seat (72), respectively, as shown in FIG. 5" (See, e.g., Cheng: Fig.4-8, Col.3, Ln.21-30). It is clear from the Cheng disclosure that the elements recited form a "seat attachment adapter" on each seat 71/72 which is ***detachably secured*** to the stroller connector/housing elements 410/420 (See above annotated Cheng Figure 5) in the same manner as the claims recite below. Furthermore, Applicants are reminded, that "[t]he invention disclosed in [a] written description may be outstanding in its field, but the name of the game is the claim." In re Hiniker Co., 47 USPQ 1523, 1529 (Fed. Cir. 1998). Specifically, if Applicants believe that an invention has differences over the prior art, particularly regarding connections between the elements, Applicants must find a way to convey this argument in the claims. Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See, e.g., In re Van Geuns, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Therefore, these arguments are not persuasive.

Claim Objections

7. Claim 5 is objected to because of the following informalities: the limitation in line 2: "the second conne portion" should be rewritten as: "the second connector portion". Appropriate correction is required.

8. Claim 22 is objected to because of the following informalities: the limitation in line 2: "the second wheel" should be rewritten as: "the second front wheel". Appropriate correction is required.

Drawings

9. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the limitation: "wherein the first front wheel extends from the first seat attachment housing, and wherein the second wheel extends from the second seat attachment" (Claim 22 – not explicitly clear how this limitation is provided in the elected embodiment of Fig.1-3) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

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

the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

10. The previous rejections of the claims under 35 USC 112 are withdrawn in light of the amendments.

11. The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

> The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:
> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

12. Claim 22 is rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor (or for applications subject to pre-AIA 35 U.S.C. 112, the applicant), regards as the invention. Specifically, the limitations: "wherein the first front wheel extends from the first seat attachment housing, and wherein the second wheel extends from the second seat attachment" (Claim 22), are currently unclear and the disclosure does not provide support for the limitations. Appropriate correction is required.

Claim Rejections - 35 USC § 102

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

> A person shall be entitled to a patent unless –

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

14. **Claims 1-5, 7, 9, 13, and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Cheng (US 7,475,900 B2)**.

[Claim 1] Regarding Claim 1, Cheng discloses: A stroller (See, e.g., Fig. 4-8), comprising:

a stroller frame (See, e.g., Fig. 4-8, 3+4+5+10+etc.);

a plurality of wheels (See, e.g., Fig. 4-8, 33+34) comprising a plurality of back wheels (See, e.g., Fig. 4-8, 34); a first seat (See, e.g., Fig. 4-8, 72) coupled to the stroller frame at a first vertical position of the stroller frame (See, e.g., Fig. 4-8);

a first seat attachment housing (See, e.g., Fig. 4-8, 410) coupled to the stroller frame at a second vertical position of the stroller frame that is below the first vertical position (See, e.g., Fig. 4-8) wherein a first front wheel extends from a front of the stroller (See, e.g., Fig. 4-8, 33);

a second seat attachment housing (See, e.g., Fig. 4-8, 410) coupled to the stroller frame at a third vertical position of the stroller frame that is below the first vertical position (See, e.g., Fig. 4-8) wherein a second front wheel extends from a front of the stroller (See, e.g., Fig. 4-8, 33);

wherein a first seat attachment adapter (See, e.g., Fig. 4-8, unlabeled portion of seat 71 indicated below) is configured to be removably coupled to the first seat attachment housing (See, e.g., Fig. 4-8) and wherein a second seat attachment adapter (See, e.g., Fig. 4-8, unlabeled portion of seat 71 indicated below) is configured to be removably coupled to the second seat attachment housing (See, e.g., Fig. 4-8).

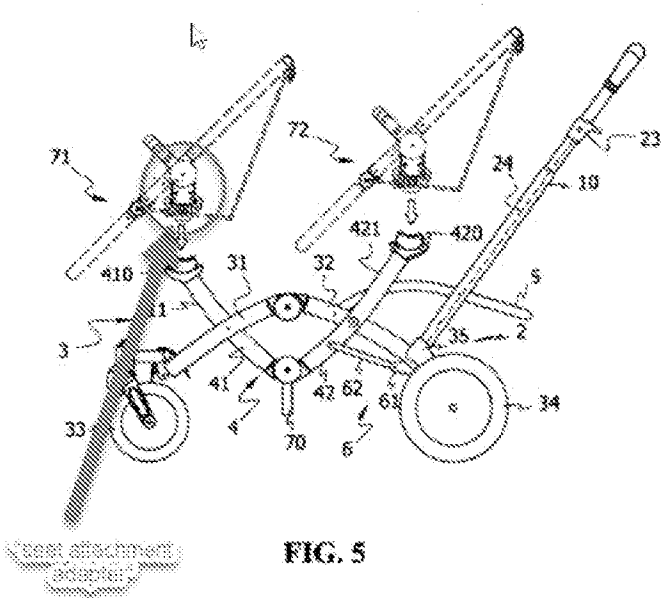

FIG. 5

[Claim 2] Regarding Claim 2, Cheng discloses: further comprising: a first connector portion (See, e.g., Fig. 4-8, unlabeled bottom portion of seat 71 indicated above) and a second connector portion (See, e.g., Fig. 4-8, unlabeled bottom portion of seat 71 indicated above),

the first seat attachment adapter is removably coupled to the first seat attachment housing via the first connector portion (See, e.g., Fig. 4-8); and wherein the second seat attachment adapter is removably coupled to the second seat attachment housing via the second connector portion (See, e.g., Fig. 4-8).

[Claim 3] Regarding Claim 3, Cheng discloses: further comprising a second seat (See, e.g., Fig. 4-8, 71) removably coupled to the first seat attachment adapter and the second seat attachment adapter (See, e.g., Fig. 4-8).

[Claim 4] Regarding Claim 4, Cheng discloses: wherein each of the first seat attachment adapter and the second seat attachment adapter has a first end and a distal second end (See, e.g., Fig. 4-8, unlabeled portion of seat 71 indicated above).

[Claim 5] Regarding Claim 5, Cheng discloses: wherein the first end comprises the respective first connector portion or the second conne portion (See, e.g., Fig. 4-8, unlabeled portion of seat 71 indicated above) and the first end is releasably connected to the respective first seat attachment housing or the second seat attachment housing (See, e.g., Fig. 4-8).

[Claim 7] Regarding Claim 7, Cheng discloses: wherein the first seat is one of a baby seat (See, e.g., Fig. 4-8, 71), a car seat, a stroller seat, a bassinet, a baby carrier, or a pram and the second seat is one of a second baby seat (See, e.g., Fig. 4-8, 72), a second car seat, a second stroller seat, a second bassinet, a second baby carrier, or a second pram.

[Claim 9] Regarding Claim 9, Cheng discloses: wherein the second vertical position and the third vertical position are at a same vertical height (See, e.g., Fig. 4-8).

[Claim 13] Regarding Claim 13, Cheng discloses: wherein the first seat attachment housing and the second seat attachment housing are part of the stroller frame (See, e.g., Fig. 4-8).

[Claim 21] Regarding Claim 21, Cheng discloses: wherein the second seat is vertically lower than the first seat (See, e.g., Fig. 4-8).

Claim Rejections - 35 USC § 103

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

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

16. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under pre-AIA 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

17. This application currently names joint inventors. In considering patentability of the claims under pre-AIA 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of pre-AIA 35 U.S.C. 103(c) and potential pre-AIA 35 U.S.C. 102(e), (f) or (g) prior art under pre-AIA 35 U.S.C. 103(a).

18. **Claim 6 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Cheng and further in view of Cone, II al. (US 6,286,844 B1)**.

[Claim 6] Regarding Claim 6 Cheng fails to explicitly teach: wherein the distal second end is releasably connected to a second seat.

However, Cone teaches a similar seat attachment (See, e.g., Cone: Fig. 1 -13) for a stroller (See, e.g., Cone: Fig. 1 -13, 214) with seat attachment adapters (See, e.g.,

Cone: Fig.1-13, 250) having a first end connected to the stroller frame and a second end releasably coupled to a seat (See, e.g., Cone: Fig.1-13, 12).

Cone teaches that it is well known in the art of stroller seat design to provide seat attachment adapters that releasably connect to a seat and a stroller frame. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide the system taught by Cheng with a seat attachment adapter that has a distal second end that is releasably connected to the seat such as taught by Cone, for the purpose of conveniently and beneficially allowing a user to disassemble the system easily (e.g., by disconnecting the seat from the stroller with or without the adapter still connected to the seat), and additionally presenting a seat that can be connected to a separate stroller or similar baby system (e.g., car base, highchair base, etc.). Moreover, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., KSR Int'l Co. v. Teleflex Inc., 550 U.S. 398,416 (2007)).

19. Claim 22 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Cheng and further in view of Liao (US D593,459 - previously cited).

[Claim 22] Regarding Claim 23, Cheng fails to explicitly teach: wherein the first front wheel extends from the first seat attachment housing, and wherein the second wheel extends from the second seat attachment housing.

However, Liao teaches a similar stroller (See, e.g., Liao: Fig. 1-13) wherein a first front wheel extends from a first seat attachment housing, and wherein a second wheel extends from a second seat attachment housing (See, e.g., Liao: Fig.1-13).

Liao teaches that it is well known in the art of stroller design to provide front wheels extending from a seat attachment housing. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide the system taught by Cheng modified with the front wheels extending from the seat attachment housings such as taught by Liao, for the purpose of conveniently and beneficially allowing a user to push and maneuver the system easily by providing the point of contact with the ground near the heavy seat portions to evenly distribute the load of the stroller across the entire stroller frame and therein prevent damage to the frame or occupants. Moreover, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., KSR Int'l Co. v. Teleflex Inc., 550 U.S. 398,416 (2007))

20. Claim 23 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Cheng and further in view of Liao (US D593,459 - previously cited).

[Claim 23] Regarding Claim 23, Cheng fails to explicitly teach: wherein the plurality of wheels comprises at least one central wheel.

However, Liao teaches a similar stroller (See, e.g., Liao: Fig. 1-13) wherein the plurality of wheels comprises at least one central wheel (See, e.g., Liao: Fig.1-13).

Liao teaches that it is well known in the art of stroller design to provide a central wheel. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide the system taught by Cheng with a central wheel such as taught by Liao, for the purpose of conveniently and beneficially allowing a user to push and maneuver the system easily by providing an additional point of contact with the ground to evenly distribute the load of the stroller across the entire stroller frame.

Moreover, the modification is obvious as no more than the use of familiar elements according to known methods in a manner that achieves predictable results. (See, e.g., KSR Int'l Co. v. Teleflex Inc., 550 U.S. 398,416 (2007)).

Conclusion

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES M DOLAK whose telephone number is (571)270-7757. The examiner can normally be reached on 9-530 EST Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J ALLEN SHRIVER can be reached on 303-297-4337. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/JAMES M DOLAK/
Primary Examiner, Art Unit 3618.

Notice of References Cited	Application/Control No. 16/903,292	Applicant(s)/Patent Under Reexamination LEE et al.	
	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	CPC Classification	US Classification
*	A	US-11338836-B2	05-2022	Perrot; Bénédicte	B62B7/12	1/1
*	B	US-11292499-B2	04-2022	Rolicki; Peter	B62B9/20	1/1
	C					
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FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
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	P					
	Q					
	R					
	S					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/903,292	LEE et al.
	Examiner	Art Unit
	JAMES M DOLAK	3618

CPC - Searched*		
Symbol	Date	Examiner
B62B7/008,00,006,14,142,145	10/14/2021	JMD
B62B9/12,28,102	10/14/2021	JMD

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Inventor & Assignee Search	10/13/2021	JMD
Text search	10/15/2021	JMD
Updated Search	02/02/2022	jmd
Updated Search	06/15/2022	jmd

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
ALL	See attached Search History	02/02/2022	jmd

/JAMES M DOLAK/ Primary Examiner.Art Unit 3618	/JAMES M DOLAK/ Primary Examiner, Art Unit 3618

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/903,292	LEE et al.
	Examiner	Art Unit
	JAMES M DOLAK	3618

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

CLAIMS

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

CLAIM		DATE								
Final	Original	10/14/2021	02/02/2022	06/16/2022						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	✓	✓						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	N	N	N						
	9	✓	✓	✓						
	10	N	N	N						
	11	N	N	N						
	12	N	N	N						
	13	✓	✓	✓						
	14	N	N	N						
	15	N	N	N						
	16	N	N	N						
	17	N	N	N						
	18	N	N	N						
	19	N	N	N						
	20	N	N	N						
	21			✓						
	22			✓						
	23			✓						

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	0	("20100140902").PN.	(USPAT; USOCR)	OR	ON	ON	2011/11/10 05:53 PM
L2	1	("20100140902").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2011/11/10 05:55 PM
L3	4	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/21 11:03 AM
L4	8	("20030025304"|"20070001429"|"20070114738"|"5338096").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/21 11:10 AM
L5	15	("3223431" | "3915493" | "3917312" | "4886209" | "5184835").PN. OR ("5338096").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/21 11:19 AM
L6	1	("7320471").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/21 11:26 AM
L7	3	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/21 11:26 AM
L8	2837	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/27 03:43 PM
L9	37502244	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:43 PM
L10	1861	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:44 PM
L11	1537	L10 and seat	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:44 PM
L12	827	L10 and (seat same attach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:44 PM
L13	427	L10 and (seat near2 attach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:44 PM
L14	51	L10 and (seat near2 (attach$4 and convert$4))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/27 03:46 PM
L15	2446	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 07:10 PM
L16	37502315	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 07:17 PM
L17	1076	L15 and L16	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 07:17 PM

L18	2837	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 07:17 PM
L19	1861	L18 and L16	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 07:17 PM
L20	35	L17 and L19	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 07:17 PM
L21	2902	L17 or L19	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 07:20 PM
L22	2446	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:15 PM
L23	37502315	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:15 PM
L24	1076	L22 and L23	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:15 PM
L25	2837	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:15 PM
L26	1861	L25 and L23	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:15 PM
L27	2902	L24 or L26	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:15 PM
L28	657	L27 and ((wheel and seat) same attach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:15 PM
L29	1	("6209892").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:16 PM
L30	44	("3829113" | "4729572" | "4768795" | "4861105" | "5056865" | "5076599" | "5146656" | "5322343" | "5676386" | "5727798" | "5820144" | "5887889").PN. OR ("6209892").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:16 PM
L31	115	L28 and expand$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:20 PM
L32	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	ON	2012/06/28 11:22 PM
L33	33	("2769482" | "2857953"	(US-PGPUB; USPAT;	OR	ON	ON	2012/06/28

		| "2993702" | "3235279" | "3309101" | "3330575" | "3738700" | "4725071" | "5018754" | "5263730" | "5338096" | "5417449" | "5653460" | "5664795" | "5911432" | "6045145" | "6068087" | "6378892" | "D321850" | "D359937").PN. OR ("6676140").URPN.	USOCR)				11:24 PM
L34	16	("1560802" | "5076579" | "5123670" | "5188389" | "5224720" | "5301963" | "5476275" | "5669624" | "5695208" | "6017051" | "6036220").PN. OR ("6443467").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:25 PM
L35	15	("1707186").URPN.	(USPAT)	OR	ON	ON	2012/06/28 11:28 PM
L36	14	("20030111825" | "5333893" | "6209892" | "6513827" | "6863286" | "7032922" | "7367581" | "7377537" | "D429664" | "D430076").PN. OR ("7475900").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:31 PM
L37	44	L31 and (wheel near2 remov$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/06/28 11:35 PM
L38	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	ON	2012/06/28 11:36 PM
L39	20	("4725071" | "5221106" | "5338096" | "5522121" | "5918892" | "6209892" | "6267406" | "6527294" | "D296540").PN. OR ("6752405").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:46 PM
L40	15	("0522608" | "1707186" | "3223431" | "3524655" | "3997180" | "4620686" | "4632409" | "4836573" | "6267406" | "6752405" | "7364183").PN. OR ("8157273").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:48 PM

L41	30	("0556168" | "1707186" | "1934396" | "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.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:49 PM
L42	13	("3000645" | "4969656" | "5125712" | "5522121" | "5918892" | "6527294" | "6561526" | "6715783" | "6752405" | "6851693" | "6938906").PN. OR ("7677585").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/28 11:50 PM
L43	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	ON	2012/06/28 11:51 PM
L44	9	("3000645").URPN.	(USPAT)	OR	ON	ON	2012/06/28 11:55 PM
L45	1	("6702316").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/06/29 12:04 AM
L46	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	ON	2012/06/29 12:04 AM

L47	2446	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:43 AM
L48	37502608	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 04:43 AM
L49	1076	L47 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 04:43 AM
L50	2837	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:43 AM
L51	1861	L50 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 04:43 AM
L52	2902	L49 or L51	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 04:43 AM
L53	476	L52 and cylindrical	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 04:43 AM
L54	21	L52 and cylindrical near2 connect$3	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/07/01 05:05 AM
L55	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	ON	2012/07/01 05:10 AM
L56	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	ON	2012/07/01 05:17 AM
L57	36	("1486118" | "2769482" | "2993702" | "3253860" | "3497234" | "3612603" | "4155588" | "4181356" | "4288124" | "4381870"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 05:18 AM

		| "4596405" | "4632409" | "4711489" | "4813742" | "4946180" | "5161811" | "5201535" | "5213360" | "5374073" | "5401076" | "5547205" | "5848797" | "5988657" | "6135479" | "6276709" | "D340140").PN. OR ("6561526").URPN.					
L58	18	("2926880" | "3290050" | "3309101" | "4183580" | "4711489" | "4779883" | "5074616" | "5168601" | "5265931" | "5401076" | "5529325").PN. OR ("5704627").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 05:21 AM
L59	23	("4542915" | "4854607" | "4986564" | "5033761").PN. OR ("5653460").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 05:22 AM
L60	31	("2453631" | "2558372" | "4953887" | "5090724" | "5380262" | "5653460" | "5676386").PN. OR ("6155592").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 05:25 AM
L61	5	("2453631").URPN.	(USPAT)	OR	ON	ON	2012/07/01 05:27 AM
L62	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	ON	2012/07/01 05:28 AM
L63	5	("2453631").URPN.	(USPAT)	OR	ON	ON	2012/07/01 05:29 AM
L64	16	("1560802" | "5076579" | "5123670" | "5188389" | "5224720" | "5301963" | "5476275" | "5669624" | "5695208" | "6017051" | "6036220").PN. OR ("6443467").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 05:33 AM
L65	1	("7677585").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 03:09 PM
L66	1	("6676140").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:02 PM
L67	1	("6443467").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:05 PM

L68	2	("1707186").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:05 PM
L69	1	("7475900").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:05 PM
L70	1	("6752405").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:14 PM
L71	1	("8157273").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:14 PM
L72	1	("7896384").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:15 PM
L73	1	("6561526").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:16 PM
L74	1	("5653460").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2012/07/01 04:17 PM
L75	2925	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/13 05:32 PM
L76	37571828	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/02/13 05:32 PM
L77	1873	L75 and L76	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/02/13 05:32 PM
L78	2516	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/13 05:35 PM
L79	35	L78 and L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/02/13 05:36 PM
L80	1080	L78 and L76	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/02/13 05:36 PM
L81	1	("20050082897").PN. OR ("8246020").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/13 05:44 PM
L82	9	("20070085303" | "20080303232" | "20090033066" | "3784252" | "5257799" | "5794951" | "6086086" | "7367581" | "7377537").PN. OR ("8205906").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/13 05:52 PM
L83	31	("20010002745" | "20030067138" | "20050099025" | "20060237932" | "20070063474" | "20080067776" | "20090026817" | "2450051" | "4754987" | "5076599" | "5267744" | "5454577" | "5474316" | "5577746" | "5921571" | "5947497" | "5979921" | "6196572" | "6663126" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/13 05:58 PM

		"6764087" | "6767028" | "6929274" | "6976697" | "7052026" | "7168761" | "7172206" | "7354058" | "7431324" | "7445222" | "7547029").PN. OR ("8262103").URPN.					
L84	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	ON	2013/02/13 06:03 PM
L85	1	("8251382").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/14 03:15 PM
L86	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	ON	2013/02/14 03:19 PM
L87	32	("4836573" | "4892327" | "5028061" | "5069474" | "5257799" | "5460430" | "5887935" | "5921574" | "6099022" | "6523853" | "6594840" | "6739649" | "7281732").PN. OR ("7377537").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/02/14 05:50 PM
L88	57	("20020093177" |	(US-PGPUB; USPAT;	OR	ON	ON	2013/02/14

		"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.	USOCR)				05:52 PM
L89	3003	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/16 03:09 PM
L90	37602504	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/07/16 03:09 PM
L91	1876	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/07/16 03:09 PM
L92	2544	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/16 03:11 PM
L93	1082	L92 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2013/07/16 03:11 PM
L94	51	(US-20100052277-$ or US-20070114738-$ or US-20070001429-$ or US-20060290107-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 03:10 PM

		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.					
L95	26	("20060131841"|"20070069505"|"20070210560"|"20080012268"|"20080224450"|"20080224451"|"20090160162"|"20100171289"|"20100201103"|"5947555"|"6045145"|"6270111"|"6331032"|"6715783"|"7032922"|"7367581"|"7475900"|"7677585"|"7753398"|"77	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 03:16 PM

		75532"|"7798500"|"7938435"|"8061732"|"8128119"|"8157273"|"8205906").PN.					
L96	1	("8240700").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2013/07/23 03:17 PM
L97	231	("1598778" | "1709527" | "20050012306" | "20050242549" | "20060001226" | "20060131840" | "20060131841" | "20060152059" | "20060157945" | "20060219374" | "20060261576" | "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" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 03:17 PM

		"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.					
L98	1	("8186705").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 04:51 PM
L99	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" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/23 04:56 PM

		"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" | "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"				

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L100	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	ON	2013/07/23 05:08 PM
L101	2	("4953667"|"4257729").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:00 PM
L102	1	("6168174").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:04 PM
L103	1	("6209892").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:04 PM
L104	1	("6296260").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:18 PM
L105	1	("6203053").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:19 PM
L106	1	("4681330").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:20 PM
L107	1	("5685552").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:21 PM
L108	1	("5984326").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:21 PM
L109	1	("6168174").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:22 PM
L110	1	("6209892").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2013/07/24

			USOCR)				01:22 PM
L111	6	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:25 PM
L112	23	("4657269" | "4836573" | "5184835" | "5338096" | "5664795" | "5911432").PN. OR ("6045145").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 01:26 PM
L113	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	ON	2013/07/24 04:08 PM
L114	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	ON	2013/07/24 04:13 PM
L115	26	("4790548" | "5060967" | "5366274" | "5727848" | "5975225" | "6203054" | "6513827" | "7234722").PN. OR ("7367581").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 06:30 PM
L116	23	("4657269" | "4836573" | "5184835" | "5338096"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/24 06:39 PM

		| "5664795" | "5911432").PN. OR ("6045145").URPN.					
L117	55	("4736959" | "4743063" | "4872692" | "4878680" | "5201535" | "5676386").PN. OR ("5947555").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 10:09 AM
L118	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	ON	2013/07/25 11:03 AM
L119	25	("4570956" | "4836573" | "4921261" | "4946180" | "5121940" | "5188380" | "5676386" | "5772279" | "5947555" | "6070890" | "6155592" | "6286844" | "6398233" | "6409205" | "6478327" | "D345720").PN. OR ("6641164").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 11:28 AM
L120	2	("3000645").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:26 PM
L121	9	("3000645").URPN.	(USPAT)	OR	ON	ON	2013/07/25 03:27 PM
L122	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	ON	2013/07/25 03:29 PM
L123	1	("8029007").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2013/07/25 03:30 PM
L124	28	("20010033069" | "20020135142" | "20030025304" | "20030127835" | "20040164510" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:31 PM

		"20070090619" | "5463853" | "5622375" | "5625923" | "5725238" | "5882022" | "5909887" | "5967190" | "6098492" | "6422634" | "6447001" | "6453921" | "6530591" | "6540238" | "6557878" | "6698772" | "6827356" | "6893028" | "7159829" | "7290776").PN. OR ("8029007").URPN.					
L125	1	("6851693").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:34 PM
L126	14	("3887208" | "5064209" | "5067738" | "5269548" | "5421597" | "5470088" | "5513868" | "5785335").PN. OR ("6851693").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:35 PM
L127	6	("2001/0033069").URPN.	(USPAT)	OR	ON	ON	2013/07/25 03:36 PM
L128	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	ON	2013/07/25 03:37 PM
L129	1	("7249779").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:38 PM
L130	57	("1218943" | "1347384" | "1408729" | "1560288" | "20010035626" | "20030151225" | "2305719" | "2435733" | "2468933" | "2798727" | "3314494" | "3738700" | "3954283" | "4015297" | "4825484" | "4958842" | "5125674" | "5190306" | "5558357" | "5562300" | "5590896" | "5692760" | "5709400" | "5820146" | "5884922" | "5975551" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 03:38 PM

		"6164666" | "6231056" | "6237995" | "6340168" | "6409190" | "6460866" | "6595536" | "6601862" | "6623023" | "6676140" | "6688614" | "7029015").PN. OR ("7249779").URPN.					
L131	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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/07/25 04:59 PM

		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.					
L132	7295614	@ad<="20081204"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/29 06:38 PM
L133	2588	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/29 06:38 PM
L134	3082	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/29 06:38 PM
L135	1082	L132 and L133	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:39 PM
L136	1877	L132 and L134	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:39 PM
L137	5616	L133 or L134	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L138	2924	L132 and L137	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L139	1012	L138 and stroller	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L140	901	L139 and seat$3	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:41 PM
L141	757	L140 and (insert$4 or attach$4 or detach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:42 PM
L142	107	L141 and ((double or tandem) same stroller)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/01/29 06:42 PM
L143	1	("5816367").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 09:23 AM
L144	3	("2006/0290107").URPN.	(USPAT)	OR	ON	ON	2014/01/30 02:24 PM
L145	78	("20030020259" | "20030227157" | "20060290107" | "20070001429" | "20070085303" | "20070222167" | "20070296182" | "20080073877" | "20080150247" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 02:26 PM

		"20090039620" | "20100038886" | "20100038887" | "20100072732" | "20100078916" | "20100109292" | "20100140902" | "20100282800" | "20120153583" | "2769482" | "2798733" | "2857953" | "2993702" | "3235279" | "3309101" | "4542915" | "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.					
L146	8	("2010/0078916").URPN.	(USPAT)	OR	ON	ON	2014/01/30 02:27 PM
L147	8	("20070096438" | "20100025968" | "20100078916" | "6422586" | "7401803" | "7441794" | "7632035" | "7766366").PN. OR ("8596669").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 02:27 PM
L148	1	("8157273").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:20 PM
L149	18	("0522608" | "1707186" | "3223431" | "3524655" | "3997180" | "4620686" | "4632409" | "4836573" | "6267406" | "6752405" | "7364183").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:21 PM

		("8157273").URPN.					
L150	1	("5338096").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:23 PM
L151	19	("3223431" | "3915493" | "3917312" | "4886209" | "5184835").PN. OR ("5338096").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 04:24 PM
L152	23	("4657269" | "4836573" | "5184835" | "5338096" | "5664795" | "5911432").PN. OR ("6045145").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 05:17 PM
L153	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	ON	2014/01/30 05:56 PM
L154	6	("5653460" | "6045145" | "6378892").PN. OR ("7320471").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/30 06:00 PM
L155	23	("20010013689" | "20040032103" | "20040094923" | "20070057486" | "20080012268" | "20080231022" | "20090127827" | "20090243260" | "20090295128" | "4398748" | "4836573" | "6446990" | "6478327" | "6572134" | "7497461" | "7513512" | "7658399" | "7686322" | "7712765" | "7775532" | "7832755" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/31 10:54 AM

		"7878527" | "7938435").PN. OR ("8231136").URPN.					
L156	2	("2008/0231022").URPN.	(USPAT)	OR	ON	ON	2014/01/31 12:58 PM
L157	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	ON	2014/01/31 12:59 PM
L158	1	("7938435").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/01/31 01:26 PM
L159	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	ON	2014/02/03 12:41 PM
L160	17	("20050098983" | "2842374" | "6357784" | "7118121" | "7267359" | "7367581" | "7441794" | "7527283").PN. OR ("7766366").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/02/03 12:56 PM
L161	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"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/02/03 01:14 PM

		| "5234224" | "5265931" | "5364137" | "5375869" | "5385386" | "5499831" | "5527096" | "5564778" | "5567008" | "5601297" | "5676386" | "5707106" | "5727798" | "5772279" | "5865447" | "5876046" | "5974555").PN. OR ("6286844").URPN.					
L162	52	("3779655" | "4191397" | "4216974" | "4412688" | "4602889" | "4634177" | "4645371" | "4834403" | "5028061" | "5257799" | "5527096" | "5772279" | "5865447" | "6286844").PN. OR ("6513827").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/02/03 01:21 PM
L168	1	("20140217706").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:03 AM
L169	3175	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:24 AM
L170	7324421	@ad<="20081204"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:24 AM
L171	1878	L169 and L170	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:25 AM
L172	64	(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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 10:25 AM

		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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$).did. or (US-3000645-$ or US-2453631-$).did.					
L173	3686032	@pd>="20140129"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 10:56 AM
L174	1	L171 and L173	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 10:56 AM
L175	13	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 10:57 AM
L176	1	("7,497,461").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:01 AM
L177	94	L169 and L173	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 11:08 AM
L178	12	("20070296182" | "20100117315" | "5820144" | "6086086" | "6513827" | "6715783" | "7032922" | "7066542" | "7364183" | "7377537" | "7455362" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:25 AM

		"8061732").PN. OR ("8764048").URPN.					
L179	15	("3797848" | "4832361" | "5074575" | "6116624" | "6446990" | "6508605" | "6530591" | "6824161" | "6830254" | "6851700" | "6951342" | "7021650" | "7273225" | "7401803" | "7513512").PN. OR ("8696016").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:41 AM
L180	1	("7,938,435").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:47 AM
L181	1	("20080231022").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:47 AM
L182	2	("2008/0231022").URPN.	(USPAT)	OR	ON	ON	2014/09/24 11:48 AM
L183	1	("7,766,366").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:51 AM
L184	1	("6,286,844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:52 AM
L185	1	("6,513,827").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:53 AM
L186	0	(2006/0131841).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:53 AM
L187	1	("20060131841").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:54 AM
L188	1	("20060001226").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:54 AM
L189	1	("7,320,471").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:55 AM
L190	1	("6,045,145").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:55 AM
L191	1	("20080224451").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:55 AM
L192	1	("7,481,439").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:57 AM
L193	1	("7,367,581").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:57 AM
L194	1	("8,029,007").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:58 AM
L195	1	("6,923,467").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:58 AM
L196	1	("20070090619").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 11:58 AM
L197	1	("6,851,693").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 11:59 AM
L198	1	("20010033069").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 12:00 PM
L199	1	("7,249,779").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:00 PM

L200	57	("1218943" | "1347384" | "1408729" | "1560288" | "20010035626" | "20030151225" | "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.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:02 PM
L201	2665	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:02 PM
L202	79	L201 and L173	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/09/24 12:03 PM
L203	2	L202 and L170	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 12:03 PM
L204	1	("5338096").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:24 PM
L205	1	("20030025304").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:25 PM
L206	1	("20070001429").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:25 PM
L207	1	("20070085303").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2014/09/24 01:26 PM
L208	1	("20070114738").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 01:26 PM
L209	1	("7681894").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:33 PM
L210	14	("20040164593" | "3145442" | "5865447" | "5947555" | "6446314" | "7032922").PN. OR ("7681894").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:33 PM
L211	1	("7377537").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:34 PM
L212	41	("7249779"|"3000645"|"7677585"|"7377537"|"20060001226"|"8029007"|"20080231022"|"7766366"|"6443467"|"6561526"|"20080224451"|"65	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/09/24 02:56 PM

		13827"|"7475900"|"7497461"|"20070114738"|"1707186"|"6752405"|"6851693"|"7938435"|"6676140"|"6045145"|"6923467"|"20030025304"|"20070001429"|"5338096"|"6045145"|"20070090619"|"6209892"|"6378892"|"7896384"|"8157273"|"8251382"|"8262103"|"8336904"|"20010033069"|"20060131841"|"7320471"|"7367581"|"7481439"|"6286844").PN.					
L219	19	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2015/04/20 01:53 PM
L220	22	("7249779"|"20060001226"|"20080231022"|"7766366"|"8029007"|"20080224451"|"6513827"|"4797461"|"7497461"|"6851693"|"7938435"|"6045145"|"6923467"|"8905427"|"20070090619"|"20010033069"|"20060131841"|"6286844"|"7320471"|"7367581"|"7481439"|"8882134").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 01:58 PM
L221	1	("7475900").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:02 PM
L222	68470442	@ad<="20081204"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:02 PM
L223	1214191	@pd>="20140924"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:03 PM
L224	3292	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:04 PM
L225	2741	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:04 PM
L226	5977	L224 or L225	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:04 PM
L227	2929	L226 and L222	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:04 PM
L228	2	L227 and L223	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:04 PM
L229	88	("0119331" | "1138802" | "1269379" | "1707186"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:04 PM

		| "1890469" | "20040251063" | "20070045975" | "20090115151" | "20090160162" | "20100038887" | "20100140902" | "20110175330" | "3223431" | "3612603" | "3726536" | "4222132" | "4349938" | "4391453" | "4403807" | "4684148" | "4725071" | "4805938" | "4834415" | "4834452" | "4858947" | "4872692" | "4969656" | "5018754" | "5033761" | "5064209" | "5167425" | "5221106" | "5230523" | "5338096" | "5653460" | "5664795" | "5772235" | "5887935" | "5918892" | "6086087" | "6099022" | "6267406" | "6357784" | "6361111" | "6375213" | "6431579" | "6527294" | "6536842" | "6585284" | "6676140" | "6679506" | "6752405" | "6843498" | "6935652" | "6938906" | "6938954" | "7025364" | "7364183" | "7367581" | "7516966" | "7597332" | "7896384" | "8128103" | "8157273" | "8398143" | "D296540" | "D300310" | "D305316" | "D321850" | "D328047" | "D348489" | "D360392" | "D370437" | "D382516" | "D404344" | "D430512" | "D431212" | "D452191" | "D568794" | "D593458" | "D595621" | "D598333").PN. OR ("8905427").URPN.					
L230	84	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:08 PM
L231	796	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L232	666	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L233	894	(B62B7/142).CPC.	(US-PGPUB; USPAT;	OR	ON	ON	2015/04/20

			USOCR; FPRS; EPO; JPO)				02:12 PM
L234	1003	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L235	450	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L236	3236	L230 L231 L232 L233 L234 L235	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:12 PM
L237	2104	L236 and L222	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:13 PM
L238	70	L237 and (seat$3 same revers$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:14 PM
L239	77	(US-20100052277-$ 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-$ or US-20030025304-$ or US-20070069505-$ or US-20080231022-$).did. or (US-5338096-$ 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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:14 PM

		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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$ or US-8764048-$ or US-8061732-$).did. or (US-8733784-$ or US-8696016-$ or US-8231136-$ or US-8458880-$ or US-7249779-$ or US-7681894-$ or US-8955869-$ or US-8905427-$).did. or (US-3000645-$ or US-2453631-$).did.					
L240	58	L238 not L239	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/04/20 02:14 PM
L241	1	("8882134").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:15 PM
L242	87	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20090072520" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:16 PM

		"20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6935652" | "6938906" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128119" | "8157273" | "8262107" | "8276935" | "D326748" | "D431798").PN. OR ("8882134").URPN.					
L243	1	("6361111").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:19 PM
L244	1	("20040251063").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:19 PM
L245	1	("6527294").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:20 PM
L246	1	("20070045975").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:20 PM
L247	27	("20060001226" | "20070045975" | "20080296872" | "20090033066" | "5301970" | "5520433" | "5601302" | "5709400" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/04/20 02:30 PM

		"5845924" | "6099022" | "6193263" | "6203054" | "6209892" | "6398233" | "6446990" | "6540250" | "6715783" | "7377537" | "7475900" | "7753398").PN. OR ("8029014").URPN.					
L249	2790	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 10:16 AM
L250	3337	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 10:16 AM
L251	102	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L252	824	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L253	686	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L254	947	(B62B7/142).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L255	1031	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L256	520	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L257	3385	L251 L252 L253 L254 L255 L256	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L258	1888686	@pd>="20150420"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L259	6070	L249 or L250	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L260	49	L258 and L249	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L261	93	L258 and L259	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L262	45	L258 and L250	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:17 AM
L263	44	L262 not L260	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:18 AM
L264	105	L258 and L257	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2015/12/07 10:19 AM

			JPO)				
L265	94	L264 not L263	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:19 AM
L266	93	L265 not L260	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2015/12/07 10:19 AM
L267	1	("8936261").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 12:33 PM
L268	64	("20040164593" | "20060261565" | "20070045975" | "20070069505" | "20070187914" | "20080054579" | "20080150247" | "20080179848" | "20080303232" | "20090033066" | "20090102162" | "20090256323" | "20100013281" | "20100102535" | "20100127480" | "20100230933" | "20100244408" | "20100259021" | "20110204600" | "20110291389" | "20110304124" | "20120025492" | "20120153583" | "20120242062" | "20120261961" | "20130113188" | "4872692" | "5018405" | "5676386" | "5722682" | "5947555" | "6513827" | "6530591" | "6581957" | "6851700" | "7032922" | "7267359" | "7377537" | "7401803" | "7681894" | "7686323" | "7753397" | "7753398" | "7789402" | "7798500" | "7938435" | "8029014" | "8033555" | "8157286" | "8205906" | "8240700" | "8251382" | "8322744" | "8366127" | "8454049" | "8465045" | "8469388" | "8474854" | "8480116" | "8485546" | "8544873" | "8550489" | "8596669").PN. OR ("8936261").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/12/07 12:33 PM
L269	18	("1671774" | "1707186"	(US-PGPUB; USPAT;	OR	OFF	OFF	2015/12/07

		| "20050167951" | "20070194545" | "20100052277" | "20110163519" | "20120118516" | "7032922" | "7871100" | "8157273" | "8251382" | "8585075" | "8651502" | "8727370" | "D686541").PN. OR ("9010773").URPN.	USOCR)				01:12 PM
L270	1	("6,286,844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/12/07 06:14 PM
L271	110	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L272	855	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L273	694	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L274	989	(B62B7/142).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L275	1052	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L276	540	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L277	3473	L271 L272 L273 L274 L275 L276	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:45 PM
L278	3353	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 12:46 PM
L279	2802	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 12:46 PM
L280	279114	@pd>="20151207"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:47 PM
L281	21	L277 and L280	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM
L282	16	L278 and L280	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM
L283	12	L279 and L280	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM
L284	17	L281 not (L282 or L283)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/02/12 12:53 PM

L285	2	("20070069504" | "7401803").PN. OR ("9242665").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 01:16 PM
L286	70	("20030020259" | "20040094935" | "20060226635" | "20060290107" | "20070075525" | "20070085303" | "20070114738" | "20070267833" | "20080001370" | "20080179863" | "20080224432" | "20090039620" | "20090236826" | "20090302578" | "20100038886" | "20100038887" | "20100072731" | "20100140902" | "20100201089" | "20100282800" | "20100301585" | "20110175330" | "20120098219" | "20120098237" | "20120169021" | "20130049331" | "20130234419" | "20130264787" | "20130270800" | "20140159346" | "20140312586" | "20140346756" | "4542915" | "4725071" | "5338096" | "5417449" | "5664795" | "6086087" | "6267406" | "6676140" | "6702316" | "6843498" | "6877761" | "7451999" | "7699325" | "7971884" | "8070180" | "8146926" | "8157273" | "8205894" | "8282109" | "8322745" | "8398143" | "8444171" | "8480115" | "8684395" | "8714582" | "8757646" | "8807588" | "8844964" | "8857829" | "8905427" | "8915516" | "D321850" | "D359937" | "D375706" | "D429664" | "D430076" | "D431212" | "D636300").PN. OR ("9227650").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 01:18 PM
L287	1	("7475900").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2016/02/12

			USOCR)				01:19 PM
L288	1	("4343124").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 03:17 PM
L289	1	("4340124").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 03:18 PM
L290	1	("20140361517").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/02/12 03:50 PM
L291	111	(B62B7/00).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L292	864	(B62B7/008).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L293	699	(B62B7/14).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L294	993	(B62B7/142).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L295	1054	(B62B9/102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L296	542	(B62B9/12).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L297	3486	L291 L292 L293 L294 L295 L296	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:44 PM
L298	3358	(280/650,657,647,648,658,639,642,643).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 04:45 PM
L299	2805	(297/130,232,243,463.1).CCLS.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 04:45 PM
L300	6106	L298 or L299	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:45 PM
L301	83034	@pd>="20160212"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:45 PM
L302	8	L300 and L301	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 04:59 PM
L303	6	L297 and L301	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2016/03/25 05:01 PM
L304	13	("20080231022" | "20090243261" | "20130113188" | "6513827" | "7267359" | "7377537" | "7798500" | "7938435" | "8061732" | "8733784" | "8764048" | "8777253" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:03 PM

		"8955869").PN. OR ("9260128").URPN.					
L305	94	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20080224451" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "20140191483" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6877762" | "6935652" | "6938906" | "6981709" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128118" | "8128119" | "8157273" | "8262107" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:04 PM

		"8276935" | "8882134" | "9056622" | "D326748" | "D431798").PN. OR ("9260127").URPN.					
L306	1	("20150123440").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:20 PM
L307	1	("8955869").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:22 PM
L308	32	("20010033069" | "20060001226" | "20060131841" | "20070090619" | "20080224451" | "20080231022" | "6045145" | "6286844" | "6513827" | "6851693" | "6923467" | "7249779" | "7311323" | "7320471" | "7367581" | "7377537" | "7475900" | "7481439" | "7497461" | "7681894" | "7766366" | "7938435" | "8029007" | "8033554" | "8061732" | "8231136" | "8444171" | "8458880" | "8696016" | "8733784" | "8764048").PN. OR ("8955869").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:22 PM
L309	2	"39773911".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/25 05:27 PM
L310	32	("4657269" | "4836573" | "5184835" | "5338096" | "5664795" | "5911432").PN. OR ("6045145").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:33 PM
L311	28	("1203729" | "1321009" | "20020036391" | "20050023783" | "20070075525" | "20070216138" | "20070222167" | "20090315300" | "20100072732" | "2769482" | "4923208" | "5338096" | "5417449" | "5664795" | "5722682" | "5740989" | "5887935" | "6045145" | "6378892" | "6676140" | "7011318" | "7445229" | "8282119" | "D587635" | "D614540").PN. OR ("8857830").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:37 PM
L312	15	"37454081".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/25 05:37 PM

L313	1	"41399621".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/25 05:41 PM
L314	6	("2009/0302578").URPN.	(USPAT)	OR	ON	ON	2016/03/25 05:42 PM
L315	70	("20030020259" | "20040094935" | "20060226635" | "20060290107" | "20070075525" | "20070085303" | "20070114738" | "20070267833" | "20080001370" | "20080179863" | "20080224432" | "20090039620" | "20090236826" | "20090302578" | "20100038886" | "20100038887" | "20100072731" | "20100140902" | "20100201089" | "20100282800" | "20100301585" | "20110175330" | "20120098219" | "20120098237" | "20120169021" | "20130049331" | "20130234419" | "20130264787" | "20130270800" | "20140159346" | "20140312586" | "20140346756" | "4542915" | "4725071" | "5338096" | "5417449" | "5664795" | "6086087" | "6267406" | "6676140" | "6702316" | "6843498" | "6877761" | "7451999" | "7699325" | "7971884" | "8070180" | "8146926" | "8157273" | "8205894" | "8282109" | "8322745" | "8398143" | "8444171" | "8480115" | "8684395" | "8714582" | "8757646" | "8807588" | "8844964" | "8857829" | "8905427" | "8915516" | "D321850" | "D359937" | "D375706" | "D429664" | "D430076" | "D431212" | "D636300").PN. OR ("9227650").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:43 PM

L316	108	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20090243261-$).did. or (US-5338096-$ 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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:54 PM

		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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$ or US-8764048-$ or US-8061732-$).did. or (US-8733784-$ or US-8696016-$ or US-8231136-$ or US-8458880-$ or US-7249779-$ or US-7311323-$ or US-8444171-$ or US-8033554-$ or US-7681894-$ or US-8955869-$ or US-8905427-$ or US-8882134-$ or US-8029014-$ or US-7789402-$ or US-7658399-$ or US-5167425-$ or US-8936261-$ or US-9010773-$ or US-9119483-$ or US-9200746-$ or US-9199659-$ or US-9108659-$ or US-9073563-$ or US-9242665-$ or US-7401803-$ or US-9227650-$ or US-9260128-$).did. or (US-9260127-$ or US-8857830-$ or US-2769482-$).did. or (US-3000645-$ or US-2453631-$).did.					
L317	1	("20090290107").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:56 PM
L318	1	("20060290107").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 05:58 PM
L319	1	("4542915").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 06:07 PM
L320	2	"47750100".FMID.	(US-PGPUB; USPAT;	OR	ON	ON	2016/03/25

			FPRS)				09:54 PM
L321	1	("6209892").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 11:02 PM
L322	60	("3829113" | "4729572" | "4768795" | "4861105" | "5056865" | "5076599" | "5146656" | "5322343" | "5676386" | "5727798" | "5820144" | "5887889").PN. OR ("6209892").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/25 11:02 PM
L323	60	("3829113" | "4729572" | "4768795" | "4861105" | "5056865" | "5076599" | "5146656" | "5322343" | "5676386" | "5727798" | "5820144" | "5887889").PN. OR ("6209892").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/28 11:14 AM
L324	0	(A stroller, comprising a stroller frame a plurality of wheels, including front and rear wheels a first seat coupled to the stroller frame at a first vertical position closer to a handle of the stroller frame and configured to hold a first child in the stroller a second seat attachment coupled to the stroller frame at a second vertical position substantially below the first vertical position and closer to the front wheels and comprising a left seat support element, wherein the left seat support element comprises a first connector portion releasably connected to the stroller frame closer to left front wheel and a left seat connector releasably connecting a second seat in either a forward or backward position and a right seat support element, wherein the right seat support element comprises a second connector portion releasably connected to	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:20 PM

		the stroller frame closer to a right front wheel and a right seat connector releasably connecting the second seat in either a forward or backward position between the left and right seat support connectors and the second seat releasably connected to the left seat connector and the right seat connector and configured to hold a second child in the stroller while the first seat holds the first child).clm.					
L325	0	(stroller frame wheel seat first vertical position handle child attach$4 coupl$3 left seat support element, first connector portion releas$4 connect$4 forward backward position).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:42 PM
L326	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left seat support element, first connector portion releas$4 connect$4 forward backward position).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:42 PM
L327	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left support element portion releas$4 connect$4 forward backward position).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:43 PM
L328	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left support element portion releas$4 connect$4 forward backward).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:43 PM
L329	0	(stroller frame wheel seat vertical position handle attach$4 coupl$3 left support$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:43 PM

		releas$4 connect$4 forward backward).clm.					
L330	3	(stroller frame wheel seat vertical position handle attach$4 left support$4 releas$4 connect$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:44 PM
L331	14	(stroller frame wheel seat vertical position handle attach$4 support$4 releas$4 connect$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:45 PM
L332	15	(stroller frame wheel seat vertical position handle attach$4 releas$4 connect$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:46 PM
L333	1	L332 not L331	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:46 PM
L334	18	(stroller frame wheel seat vertical position handle attach$4 releas$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:47 PM
L335	3	L334 not L332	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:47 PM
L336	25	(stroller frame wheel seat vertical position$4 attach$4 releas$4).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:48 PM
L337	7	L336 not L334	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2016/03/28 01:48 PM
L338	1	"41399621".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2016/03/28 01:48 PM
L339	1	("20160339940").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/08 04:58 PM
L340	3453	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:22 PM
L341	2353	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:23 PM
L342	5184262	@pd>="20160325"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:31 PM
L343	5004	L340 or L341	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:33 PM
L344	254	L342 and L343	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/08 05:33 PM
L346	4	(Lee near2 (Jon and	(US-PGPUB; USPAT;	OR	ON	ON	2017/06/08

		Hee)).in.	USOCR; FPRS; EPO; JPO; DERWENT)				05:52 PM
L347	14	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2017/06/12 08:15 AM
L348	1	(Simpson near2 (Stacy and Noel)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2017/06/12 08:16 AM
L349	66	("1707186"|"20010033069"|"20060001226"|"20060131841"|"20060290107"|"20070090619"|"20080224451"|"20080231022"|"20090302578"|"3000645"|"4542915"|"5338096"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7896384"|"7938435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:35 AM
L350	111	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:36 AM

		US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20090243261-$ or US-20130049331-$).did. or (US-5338096-$ 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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-					

		6513827-$ or US-8764048-$ or US-8061732-$).did. or (US-8733784-$ or US-8696016-$ or US-8231136-$ or US-8458880-$ or US-7249779-$ or US-7311323-$ or US-8444171-$ or US-8033554-$ or US-7681894-$ or US-8955869-$ or US-8905427-$ or US-8882134-$ or US-8029014-$ or US-7789402-$ or US-7658399-$ or US-5167425-$ or US-8936261-$ or US-9010773-$ or US-9119483-$ or US-9200746-$ or US-9199659-$ or US-9108659-$ or US-9073563-$ or US-9242665-$ or US-7401803-$ or US-9227650-$ or US-9260128-$).did. or (US-9260127-$ or US-8857830-$ or US-2769482-$ or US-4542915-$ or US-6715783-$).did. or (US-3000645-$ or US-2453631-$).did.					
L351	4	L349 not L350	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 09:41 AM
L352	34	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 09:44 AM
L353	96	("1269379" | "1707186" | "1890469" | "20020158444" | "20040251063" | "20070045975" | "20080122200" | "20080224451" | "20090115151" | "20090160162" | "20090289440" | "20100038887" | "20100140902" | "20110175330" | "20140265258" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:46 AM

		"3053493" | "3223431" | "3612603" | "3726536" | "4222132" | "4349938" | "4391453" | "4403807" | "4684148" | "4725071" | "4805938" | "4834415" | "4834452" | "4858947" | "4872692" | "4969656" | "5018754" | "5033761" | "5064209" | "5167425" | "5221106" | "5230523" | "5338096" | "5522121" | "5653460" | "5664795" | "5772235" | "5887935" | "5918892" | "6086087" | "6099022" | "6267406" | "6357784" | "6361111" | "6375213" | "6431579" | "6527294" | "6536842" | "6585284" | "6676140" | "6679506" | "6752405" | "6843498" | "6935652" | "6938906" | "6938954" | "7025364" | "7364183" | "7367581" | "7516966" | "7597332" | "7896384" | "8128103" | "8157273" | "8220822" | "8282120" | "8297642" | "8398143" | "8905427" | "D296540" | "D300310" | "D305316" | "D321850" | "D328047" | "D348489" | "D360392" | "D370437" | "D382516" | "D404344" | "D430512" | "D431212" | "D452191" | "D568794" | "D593458" | "D595621" | "D598333").PN. OR ("9517787").URPN.					
L354	8	"48223173".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2017/06/12 09:47 AM
L355	10	("2013/0113185").URPN.	(USPAT)	OR	ON	ON	2017/06/12 09:48 AM
L356	36	("1486118" | "2769482" | "2993702" | "3253860" | "3497234" | "3612603" | "4155588" | "4181356" | "4288124" | "4381870" | "4596405" | "4632409" | "4711489" | "4813742" | "4946180" | "5161811" | "5201535" | "5213360" | "5374073" | "5401076" | "5547205" | "5848797"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 09:52 AM

		| "5988657" | "6135479" | "6276709" | "D340140").PN. OR ("6561526").URPN.					
L357	22	("1707186").URPN.	(USPAT)	OR	ON	ON	2017/06/12 09:53 AM
L358	0	L350 and (cover$4 same door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 09:56 AM
L359	0	L350 and (cover$4 same2 door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:00 AM
L360	17	L350 and (cover$4 same attach$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:00 AM
L361	1	("7377537").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:08 AM
L362	56	("4836573" | "4892327" | "5028061" | "5069474" | "5257799" | "5460430" | "5887935" | "5921574" | "6099022" | "6523853" | "6594840" | "6739649" | "7281732").PN. OR ("7377537").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:08 AM
L363	3	L349 and door	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:13 AM
L364	1	("9517787").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:19 AM
L365	1	("9517789").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:20 AM
L366	1	("9561817").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:20 AM
L367	1	("9493179").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:21 AM
L368	3453	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L369	2353	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L370	5004	L368 or L369	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L371	23	L370 and (cover$4 same door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:22 AM
L372	5	L370 and (cavit$3 same door)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:23 AM
L373	35	("2917316" | "2993702"	(US-PGPUB; USPAT;	OR	ON	ON	2017/06/12

		| "3110504" | "3248125" | "3309101" | "5579556" | "5622375" | "5664795" | "5725238" | "6086087" | "6276759" | "6312005" | "D319493" | "D444738" | "D450265").PN. OR ("6447001").URPN.	USOCR)				10:23 AM
L374	40	L370 and (cavit$3 same cover$4)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/06/12 10:24 AM
L375	1	("5522121").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:28 AM
L376	25	("0461069" | "1318850" | "1352647" | "1688148" | "1707186" | "4805938").PN. OR ("5522121").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:29 AM
L377	1	("6449801").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:29 AM
L378	1	("20070114738").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:30 AM
L379	2	"38052732".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2017/06/12 10:30 AM
L380	41	("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	ON	2017/06/12 10:30 AM
L381	13	("20040164510" | "20070090619" | "20120098237" | "20130234419" | "20130264787" | "20160001805" | "3061328" | "5622375" | "6422634" | "6530591" | "7004272" | "8029007").PN. OR ("9545941").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:31 AM
L382	91	("1239498" | "1322788" | "1418929" | "1832770"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:33 AM

		| "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6935652" | "6938906" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128119" | "8157273" | "8262107" | "8276935" | "D326748" | "D431798").PN. OR ("8882134").URPN.					
L383	42	("0522608" | "1707186" | "3223431" | "3524655" | "3997180" | "4620686" | "4632409" | "4836573"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:46 AM

		| "6267406" | "6752405" | "7364183").PN. OR ("8157273").URPN.					
L384	15	("20050242548" | "20070052271" | "4518139" | "4681340" | "6022077" | "6536842").PN. OR ("7364183").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 10:49 AM
L385	1	("6286844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:09 PM
L386	119	("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	ON	2017/06/12 12:13 PM
L387	91	("0706448" | "1480451" | "1508500" | "1952467" | "20010013689" | "20040212161" | "20060085953" | "20070085302" | "20070120404" | "20090029784" | "20090181780" | "20110278810" | "20120023662" | "20120060326" | "20120235450" | "20130334781" | "20140042729" | "20150008659" | "20150042056" | "20150042076" | "20150175189" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:16 PM

		"2708585" | "2961248" | "3564626" | "4476649" | "5099528" | "5201535" | "5562548" | "5676386" | "5772279" | "5846136" | "5947555" | "5987665" | "5988670" | "6250654" | "6286844" | "6471597" | "6671926" | "6872146" | "6893040" | "7037205" | "7100724" | "7354352" | "7377537" | "7445559" | "7475942" | "7497461" | "7607734" | "7681894" | "7686323" | "7694996" | "7766366" | "7905791" | "7938435" | "8029014" | "8251382" | "8292750" | "8550556" | "8672341" | "8746794" | "8851505" | "8944927" | "8955869" | "9085312" | "D156930" | "D371094" | "D377466" | "D408768" | "D442895" | "D452195" | "D475951" | "D481976" | "D498713" | "D498714" | "D519063" | "D604055" | "D622640" | "D623429" | "D667229" | "D682562" | "D684789" | "D687352" | "D743304").PN. OR ("9421992").URPN.					
L388	20	("20010040357" | "20080106070" | "20100127480" | "20110181026" | "20160144879" | "5257799" | "5645293" | "6102432" | "6312005" | "7281732" | "7641216" | "8141895" | "8240698" | "8585075" | "8696015" | "8696016" | "8998241" | "9050993" | "9421991" | "9540028").PN. OR ("9637155").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:16 PM
L389	9	("20120326474" | "4306749" | "4634177" | "4915446" | "5947556" | "6286844" | "6595583" | "8251382" | "8678498").PN. OR ("9346378").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:21 PM
L390	9	("20120326474" |	(US-PGPUB; USPAT;	OR	ON	ON	2017/06/12

		"4306749" | "4634177" | "4915446" | "5947556" | "6286844" | "6595583" | "8251382" | "8678498").PN. OR ("9346378").URPN.	USOCR)				12:54 PM
L391	28	("20030015895" | "20090066130" | "20090295207" | "4306749" | "4750783" | "5385387" | "5478135" | "5562548" | "5586351" | "5997098" | "6017088" | "6170911" | "6299249" | "6331032" | "6336682" | "6347832" | "6428099" | "6428100" | "6443522" | "6554358" | "6705676" | "6793280" | "6921359" | "6979057" | "7090294").PN. OR ("8678498").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 12:55 PM
L392	54	("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	ON	2017/06/12 01:08 PM
L393	15	("20080231022" | "5773379" | "5947555" | "6286844" | "6893040" | "7032922" | "7267359" | "7475900" | "7658399" | "7681894" | "7766366" | "7938435" | "8033555" | "D621306").PN. OR ("8851505").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:09 PM
L394	58	("20010013689" | "20050264062" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:09 PM

		"20060214397" | "20070257458" | "20070296182" | "20080136127" | "20080231023" | "20100219616" | "20100230933" | "20120025492" | "4834403" | "5028061" | "5201535" | "5203577" | "5257799" | "5277472" | "5364137" | "5564778" | "5567008" | "5676386" | "5772279" | "5794951" | "5947555" | "6086086" | "6089653" | "6286844" | "6318807" | "6446990" | "6572134" | "6595583" | "6793280" | "6802514" | "6863286" | "6942294" | "6983986" | "7032922" | "7070197" | "7207628" | "7370913" | "7377537" | "7681894" | "7686322" | "7694996" | "7753398" | "8029014" | "8070228" | "8172253" | "8282120" | "8382150").PN. OR ("8651502").URPN.					
L395	76	("3779655" | "4191397" | "4216974" | "4412688" | "4602889" | "4634177" | "4645371" | "4834403" | "5028061" | "5257799" | "5527096" | "5772279" | "5865447" | "6286844").PN. OR ("6513827").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:12 PM
L396	49	("4915401" | "5133567" | "5277472" | "5564778" | "5644816" | "5676386" | "5772279").PN. OR ("5865447").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:13 PM
L397	88	("0763771" | "0921361" | "1167525" | "2509972" | "2982562" | "3029087" | "3083997" | "3596986" | "4306749" | "4345791" | "4371206" | "4385769" | "4501032" | "4545613" | "4634177" | "4664396" | "4733909" | "4861105" | "4915446" | "4943113" | "4984813" | "4998307" | "5052750" | "5058283" | "5203577" | "5277472" | "5385387" | "D294777"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:14 PM

		| "D305583" | "D322001" | "D325132").PN. OR ("5567008").URPN.					
L398	92	("2982562" | "3100651" | "3290050" | "3330575" | "3784252" | "4072318" | "4378946" | "4412688" | "4428598" | "4478427" | "4606550" | "4762364" | "4815764" | "5004253" | "5074575").PN. OR ("5201535").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:16 PM
L399	119	("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	ON	2017/06/12 01:23 PM
L400	82	L397 not L399	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:23 PM
L401	20	("20040164593" | "3145442" | "5865447" | "5947555" | "6446314" | "7032922").PN. OR ("7681894").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:28 PM
L402	59	("20020175498" | "20020195797" | "20030111825" | "20040046364" | "20050098982" | "20060071452" | "20060237949" | "5772235" | "5823564" | "7032922").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:30 PM

		("7267359").URPN.					
L403	1	("5201535").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:32 PM
L404	1	("6286844").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/06/12 01:47 PM
L405	3477	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:13 PM
L406	2369	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:13 PM
L407	5040	L405 or L406	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:13 PM
L408	1329175	@pd>="20170608"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:16 PM
L409	44	L407 and L408	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2017/11/13 04:16 PM
L410	3	"37808038".FMID.	(US-PGPUB; USPAT; FPRS)	OR	ON	ON	2017/11/13 05:27 PM
L423	1	("20180201293").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/15 10:50 AM
L424	39	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 10:51 AM
L425	8	(Lee near2 (Jon and Hee)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/04/15 10:52 AM
L426	18	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/04/15 10:52 AM
L427	3	(Simpson near2 (Stacy and Noel)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/04/15 10:52 AM
L428	151	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 11:03 AM

		US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-5338096-$ 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-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-$ or US-3000645-$).did. or (US-8070180-$ 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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-					

		6513827-$ or US- 8764048-$ or US- 8061732-$ or US- 8733784-$).did. or (US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US- 8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$ or US- 9260127-$).did. or (US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US- 5522121-$ or US- 9545941-$ or US- 9056622-$ or US- 9403550-$ or US- 8899615-$ or US- 7364183-$ or US- 9637155-$ or US- 9421992-$ or US- 9545940-$ or US- 9346378-$ or US- 8678498-$ or US- 4915446-$ or US- 4634177-$ or US- 4306749-$ or US- 8851505-$).did. or (US-				

		8651502-$ or US-6893040-$ or US-6446990-$ or US-5865447-$ or US-5772279-$ or US-5567008-$ or US-8657326-$ or US-8491000-$ or US-6155740-$ or US-5947555-$ or US-7267359-$ or US-9776652-$ or US-9771095-$ or US-9725106-$ or US-9701333-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L429	55	L424 L425 L426 L427	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:25 PM
L430	3	L424 L425 L426 L427	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	AND	ON	ON	2019/04/15 12:25 PM
L431	80	("1707186" | "20010033069" | "20020109321" | "20060001226" | "20060131841" | "20060290107" | "20070090619" | "20080224451" | "20080231022" | "20090302578" | "20140191483" | "20160046315" | "3000645" | "4542915" | "5201535" | "5338096" | "5567008" | "6045145" | "6209892" | "6286844" | "6378892" | "6443467" | "6513827" | "6561526" | "6676140" | "6752405" | "6851693" | "6923467" | "7249779" | "7311323" | "7320471" | "7367581" | "7377537" | "7401803" | "7475900" | "7481439" | "7497461" | "7677585" | "7681894" | "7766366" | "7832755" | "7896384" | "7938435" | "8029007" | "8029014" | "8033554" | "8061732" | "8157273" | "8231136" | "8251382" | "8262103" | "8336904" | "8444171" | "8458880"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:26 PM

		"8585075" | "8596670" | "8696016" | "8733784" | "8764048" | "8882134" | "8905427" | "8936261" | "9010773" | "9108654" | "9108659" | "9119483" | "9199659" | "9200746" | "9227650" | "9242665" | "9260127" | "9260128" | "9517787" | "9561817" | "9701333" | "9725106" | "9771095" | "9776652").PN. OR ("9944305").URPN.					
L432	3809	(B62B7/008,00,006,14,142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L433	2627	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L434	5496	L432 or L433	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L435	7949590	@pd>="20171113"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:29 PM
L436	308	L434 and L435	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/04/15 12:30 PM
L437	2	("20100140902"|"20140333039").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:52 PM
L438	84	("1707186"|"20010033069"|"20020109321"|"20030025304"|"20060001226"|"20060131841"|"20060290107"|"20070001429"|"20070085303"|"20070090619"|"20070114738"|"20080224451"|"20080231022"|"20090302578"|"20140191483"|"20160046315"|"3000645"|"4542915"|"5201535"|"5338096"|"5567008"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7832755"|"7896384"|"79	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:54 PM

		38435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8585075"|"8596670"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128"|"9517787"|"9561817"|"9701333"|"9725106"|"9771095"|"9776652").PN.					
L439	7	L438 not L428	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:55 PM
L440	11	("20060214395" | "20070085303" | "20090302578" | "4763911" | "5356172" | "5395154" | "5593173" | "6431647").PN. OR ("8596670").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/15 12:58 PM
L441	12	("2007/0085303").URPN.	(USPAT)	OR	ON	ON	2019/04/15 01:05 PM
L443	1	("7475900").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/15 02:37 PM
L444	1	("7377537").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/15 02:47 PM
L445	1	("7677585").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/28 11:08 PM
L446	1	("7481439").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/28 11:09 PM
L447	21	("4222132" | "4805938" | "4969656" | "5064209" | "5653460" | "5887935" | "5918892" | "6155592" | "6523840" | "6527294" | "6752405" | "D360392").PN. OR ("7481439").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:10 PM
L448	94	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:10 PM

		"20070257526" | "20080042476" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20130154215" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6935652" | "6938906" | "7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128119" | "8157273" | "8262107" | "8276935" | "D326748" | "D431798").PN. OR ("8882134").URPN.					
L449	28	("1707186" | "4222132" | "4288089" | "4354689" | "4805938" | "4969656" | "5064209" | "5076599" | "5522121" | "5653460" | "5918892" | "6086087" | "6527294" | "6752405").PN. OR ("6938906").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:13 PM
L450	56	("20030080536" | "20040075229" | "20040124611" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:14 PM

		"20040173997" | "20050127640" | "20050242549" | "20090295128" | "20100038886" | "20100230933" | "4697823" | "4846494" | "4921261" | "4946180" | "5121940" | "5338096" | "5454575" | "5624152" | "5669623" | "5687984" | "5752738" | "6189914" | "6193263" | "6209892" | "6267406" | "6409205" | "6478327" | "6702316" | "6938906" | "6964429" | "6981709" | "7017937" | "7040694" | "7284797" | "7445230" | "7513512" | "7614640" | "7770911" | "8087680" | "8100429" | "8186705" | "8186706" | "8205894" | "8282119" | "8328208" | "8388016" | "8398098" | "8414012" | "D344474" | "D345128" | "D352923" | "D430076" | "D452192" | "D455679" | "D510549" | "D593459").PN. OR ("8641077").URPN.					
L451	32	("6896286" | "D369992" | "D519422" | "D558099" | "D566013" | "D578045" | "D579827").PN. OR ("D593459").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:15 PM
L452	66	("20020093177" | "20020109320" | "20030075903" | "20030080536" | "20030111825" | "20040032103" | "20040094922" | "20040124610" | "20040124611" | "20040245747" | "20050093259" | "20050127640" | "20050242535" | "20050242549" | "20060119079" | "20070001429" | "20070108710" | "20070194545" | "20080157491" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/04/28 11:18 PM

		"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.					
L453	1	("D593459").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/04/28 11:25 PM
L454	3861	(B62B7/008,00,006,14,142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:51 AM
L455	2688	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:51 AM
L456	5586	L454 or L455	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:51 AM
L457	969007	@pd>="20190415"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:57 AM
L458	58	L456 and L457	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 12:59 AM
L459	27	("20040189076"|"20050029855"|"20110175306"|"20170247044"|"20170361861"|"4577355"|"5240265"|"5246272"|"5669625"|"5681084"|"5749627"|"5806877"|"6322097"|"6530591"|"6676140"|"6830254"|"6951342"|"8070180"|"8172322"|"8596670"|"8616638"|"8690250"|"8899615"|"8991929"|"9227650"|"9868456"|"D811949").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/08/23 01:02 AM
L460	167	(US-20100052277-$ or US-20070114738-$ or US-20070001429-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/08/23 01:02 AM

		US-20060290107-$ or US-20030075903-$ or US-20080303232-$ or US-20070085303-$ or US-20060131841-$ or US-20060001226-$ or US-20080224451-$ or US-20010033069-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-5338096-$ 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-$ or US- 8398098-$ or US- 7766366-$ or US- 6286844-$ or US- 6513827-$ or US- 8764048-$ or US- 8061732-$).did. or (US- 8733784-$ or US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US- 8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$).did. or (US- 9260127-$ or US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US-				

		5522121-$ or US-9545941-$ or US-9056622-$ or US-9403550-$ or US-8899615-$ or US-7364183-$ or US-9637155-$ or US-9421992-$ or US-9545940-$ or US-9346378-$ or US-8678498-$ or US-4915446-$ or US-4634177-$ or US-4306749-$).did. or (US-8851505-$ or US-8651502-$ or US-6893040-$ or US-6446990-$ or US-5865447-$ or US-5772279-$ or US-5567008-$ or US-8657326-$ or US-8491000-$ or US-6155740-$ or US-5947555-$ or US-7267359-$ or US-9776652-$ or US-9771095-$ or US-9725106-$ or US-9701333-$ or US-8585075-$ or US-8596670-$ or US-9956979-$ or US-9944305-$ or US-9924806-$ or US-9884640-$ or US-9849903-$ or US-9840168-$ or US-10207731-$ or US-10023218-$ or US-6938906-$).did. or (US-D593459-$ or US-D621306-$ or US-8328208-$ or US-7513512-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L461	22	L459 not L460	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2019/08/23 01:02 AM
L462	1	("6676140").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2019/08/23 01:04 AM
L464	4053	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 08:49 PM
L465	2834	(B62B9/12,28,102).CP	(US-PGPUB; USPAT;	OR	ON	ON	2020/02/28

		C.	USOCR; FPRS; EPO; JPO)				08:49 PM
L466	5847	L464 or L465	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 08:49 PM
L467	1751101	@pd>="20190823"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 09:02 PM
L468	97	L466 and L467	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/02/28 09:02 PM
L469	97	("1239498" | "1322788" | "1418929" | "1832770" | "20020125662" | "20040011884" | "20050253348" | "20050253431" | "20050264064" | "20060290107" | "20070001410" | "20070075510" | "20070114738" | "20070257526" | "20080042476" | "20080224451" | "20090072520" | "20090302556" | "20090302578" | "20100032925" | "20100072731" | "20100109270" | "20100109293" | "20100140902" | "20100148553" | "20100314925" | "20110074195" | "20110101742" | "20110115264" | "20120080244" | "20120181779" | "20130154215" | "20140191483" | "20150021872" | "3173396" | "3831960" | "4310167" | "4433869" | "4893826" | "4936629" | "5022669" | "5158319" | "5301968" | "5417449" | "5556118" | "5581843" | "5653460" | "5664795" | "5722594" | "6086087" | "6135222" | "6267406" | "6312005" | "6394470" | "6454286" | "6540239" | "6698788" | "6702306" | "6877762" | "6935652" | "6938906" | "6981709" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/02/28 09:03 PM

		"7059625" | "7261308" | "7338122" | "7481439" | "7497449" | "7559606" | "7597332" | "7740313" | "7770970" | "7780184" | "7789413" | "7832756" | "7854435" | "7887129" | "7891732" | "7938433" | "7971897" | "7992889" | "8029007" | "8070179" | "8128118" | "8128119" | "8157273" | "8262107" | "8276935" | "8882134" | "9056622" | "9260127" | "D326748" | "D431798").PN. OR ("10556610").URPN.					
L470	21	("20100140902" | "20130087993" | "20130154241" | "20150159414" | "20160046315" | "7789402" | "7832755" | "8033554" | "8231136" | "8602441" | "8905427" | "8955869" | "8967647" | "9050987" | "9399477" | "9403550" | "9493179" | "9517787" | "9616912" | "9637154" | "D747669").PN. OR ("10449987").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/02/28 10:17 PM
L471	1	("20180201293").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/02/28 10:19 PM
L472	7365969	@ad<="20081204"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/03/01 11:01 PM
L473	172	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/03/01 11:02 PM

		US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-20130087993-$).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-$ or US-8398098-$ or US-7766366-$ or US-6286844-$ or US-6513827-$ or US-					

		8764048-$ or US- 8061732-$).did. or (US- 8733784-$ or US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US- 8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$).did. or (US- 9260127-$ or US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US- 5522121-$ or US- 9545941-$ or US- 9056622-$ or US- 9403550-$ or US- 8899615-$ or US- 7364183-$ or US- 9637155-$ or US- 9421992-$ or US- 9545940-$ or US- 9346378-$ or US- 8678498-$ or US- 4915446-$ or US- 4634177-$ or US- 4306749-$).did. or (US- 8851505-$ or US- 8651502-$ or US-				

		6893040-$ or US-6446990-$ or US-5865447-$ or US-5772279-$ or US-5567008-$ or US-8657326-$ or US-8491000-$ or US-6155740-$ or US-5947555-$ or US-7267359-$ or US-9776652-$ or US-9771095-$ or US-9725106-$ or US-9701333-$ or US-8585075-$ or US-8596670-$ or US-9956979-$ or US-9944305-$ or US-9924806-$ or US-9884640-$ or US-9849903-$ or US-9840168-$ or US-10207731-$ or US-10023218-$ or US-6938906-$).did. or (US-D593459-$ or US-D621306-$ or US-8328208-$ or US-7513512-$ or US-10293843-$ or US-10556611-$ or US-10556610-$ or US-10449987-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L474	94	L472 and L473	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/03/01 11:02 PM
L475	15	"37454081".FMID.	(US-PGPUB; USPAT; FPRS; JPO)	OR	ON	ON	2020/03/01 11:04 PM
L476	16	("2010/0072732").URPN.	(USPAT)	OR	ON	ON	2020/03/01 11:07 PM
L484	1	("10730543").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/10 02:15 PM
L485	0	("202000223470").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/10 02:16 PM
L486	1	("20200223470").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2020/09/10 02:16 PM
L487	41	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 02:19 PM
L488	4211	(B62B7/008,00,006,14, 142,145).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM

L489	2957	(B62B9/12,28,102).CPC.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM
L490	6047	L488 or L489	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM
L491	1552888	@pd>="20200228"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:24 PM
L492	69	L490 and L491	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	ON	ON	2020/09/10 02:34 PM
L493	98	("10023218" | "10207731" | "10293843" | "10449987" | "10556610" | "1707186" | "20010033069" | "20020109321" | "20030025304" | "20060001226" | "20060131841" | "20060290107" | "20070001429" | "20070085303" | "20070090619" | "20070114738" | "20080224451" | "20080231022" | "20090302578" | "20100140902" | "20140191483" | "20140333039" | "20160046315" | "3000645" | "4542915" | "5201535" | "5338096" | "5567008" | "6045145" | "6209892" | "6286844" | "6378892" | "6443467" | "6513827" | "6561526" | "6676140" | "6752405" | "6851693" | "6923467" | "7249779" | "7311323" | "7320471" | "7367581" | "7377537" | "7401803" | "7475900" | "7481439" | "7497461" | "7677585" | "7681894" | "7766366" | "7832755" | "7896384" | "7938435" | "8029007" | "8029014" | "8033554" | "8061732" | "8157273" | "8231136" | "8251382" | "8262103" | "8336904" | "8444171" | "8458880" | "8585075" | "8596670" | "8696016" | "8733784" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:43 PM

		"8764048" | "8882134" | "8905427" | "8936261" | "9010773" | "9108654" | "9108659" | "9119483" | "9199659" | "9200746" | "9227650" | "9242665" | "9260127" | "9260128" | "9517787" | "9561817" | "9701333" | "9725106" | "9771095" | "9776652" | "9840168" | "9849903" | "9884640" | "9924806" | "9944305" | "9956979" | "D593459").PN. OR ("10730543").URPN.					
L494	45	(Baby near2 Jogger).AS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 02:47 PM
L495	173	(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-$ or US-20030025304-$ or US-20070187914-$ or US-20070069505-$ or US-20080231022-$ or US-20100301585-$ or US-20100013281-$ or US-20150360709-$ or US-20070069504-$ or US-20100072732-$ or US-20090302578-$ or US-20130113188-$ or US-20130049331-$ or US-20160001805-$ or US-20040164593-$ or US-20070075525-$).did. or (US-20130087993-$).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-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:56 PM

		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-$ or US- 8398098-$ or US- 7766366-$ or US- 6286844-$ or US- 6513827-$ or US- 8764048-$ or US- 8061732-$).did. or (US- 8733784-$ or US- 8696016-$ or US- 8231136-$ or US- 8458880-$ or US- 7249779-$ or US- 7311323-$ or US- 8444171-$ or US- 8033554-$ or US- 7681894-$ or US- 8955869-$ or US- 8905427-$ or US- 8882134-$ or US- 8029014-$ or US- 7789402-$ or US- 7658399-$ or US- 5167425-$ or US-				

		8936261-$ or US- 9010773-$ or US- 9119483-$ or US- 9200746-$ or US- 9199659-$ or US- 9108659-$ or US- 9073563-$ or US- 9242665-$ or US- 7401803-$ or US- 9227650-$ or US- 9260128-$).did. or (US- 9260127-$ or US- 8857830-$ or US- 2769482-$ or US- 4542915-$ or US- 6715783-$ or US- 9108654-$ or US- 9630642-$ or US- 9517787-$ or US- 9327752-$ or US- 6561526-$ or US- 8967171-$ or US- 9517789-$ or US- 9561817-$ or US- 5522121-$ or US- 9545941-$ or US- 9056622-$ or US- 9403550-$ or US- 8899615-$ or US- 7364183-$ or US- 9637155-$ or US- 9421992-$ or US- 9545940-$ or US- 9346378-$ or US- 8678498-$ or US- 4915446-$ or US- 4634177-$ or US- 4306749-$).did. or (US- 8851505-$ or US- 8651502-$ or US- 6893040-$ or US- 6446990-$ or US- 5865447-$ or US- 5772279-$ or US- 5567008-$ or US- 8657326-$ or US- 8491000-$ or US- 6155740-$ or US- 5947555-$ or US- 7267359-$ or US- 9776652-$ or US- 9771095-$ or US- 9725106-$ or US- 9701333-$ or US- 8585075-$ or US- 8596670-$ or US- 9956979-$ or US- 9944305-$ or US-				

		9924806-$ or US-9884640-$ or US-9849903-$ or US-9840168-$ or US-10207731-$ or US-10023218-$ or US-6938906-$).did. or (US-D593459-$ or US-D621306-$ or US-8328208-$ or US-7513512-$ or US-10293843-$ or US-10556611-$ or US-10556610-$ or US-10449987-$ or US-10730543-$).did. or (US-3000645-$ or US-2453631-$ or US-1707186-$).did.					
L496	84	("1707186"|"20010033069"|"20020109321"|"20030025304"|"20060001226"|"20060131841"|"20060290107"|"20070001429"|"20070085303"|"20070090619"|"20070114738"|"20080224451"|"20080231022"|"20090302578"|"20140191483"|"20160046315"|"3000645"|"4542915"|"5201535"|"5338096"|"5567008"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7832755"|"7896384"|"7938435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8585075"|"8596670"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128"|	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:57 PM

		9517787"|"9561817"|"9701333"|"9725106"|"9771095"|"9776652").PN.					
L497	4	L496 not L495	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 02:58 PM
L499	84	("1707186"|"20010033069"|"20020109321"|"20030025304"|"20060001226"|"20060131841"|"20060290107"|"20070001429"|"20070085303"|"20070090619"|"20070114738"|"20080224451"|"20080231022"|"20090302578"|"20140191483"|"20160046315"|"3000645"|"4542915"|"5201535"|"5338096"|"5567008"|"6045145"|"6209892"|"6286844"|"6378892"|"6443467"|"6513827"|"6561526"|"6676140"|"6752405"|"6851693"|"6923467"|"7249779"|"7311323"|"7320471"|"7367581"|"7377537"|"7401803"|"7475900"|"7481439"|"7497461"|"7677585"|"7681894"|"7766366"|"7832755"|"7896384"|"7938435"|"8029007"|"8029014"|"8033554"|"8061732"|"8157273"|"8231136"|"8251382"|"8262103"|"8336904"|"8444171"|"8458880"|"8585075"|"8596670"|"8696016"|"8733784"|"8764048"|"8882134"|"8905427"|"8936261"|"9010773"|"9108654"|"9108659"|"9119483"|"9199659"|"9200746"|"9227650"|"9242665"|"9260127"|"9260128"|"9517787"|"9561817"|"9701333"|"9725106"|"9771095"|"9776652").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2020/09/10 09:06 PM
L500	41	(Zehfuss near2 Mark).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 11:39 PM
L501	10	(Lee near2 (Jon and Hee)).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 11:43 PM
L502	25	(Roe near2 Megan).in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2020/09/10 11:56 PM