

US 20150296997A1

(19) United States

(12) Patent Application Publication Wyler

(10) Pub. No.: US 2015/0296997 A1

(43) **Pub. Date:** Oct. 22, 2015

(54) PORTABLE DIAPER CHANGING STATION

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- (21) Appl. No.: 14/540,863
- (22) Filed: Nov. 13, 2014

Related U.S. Application Data

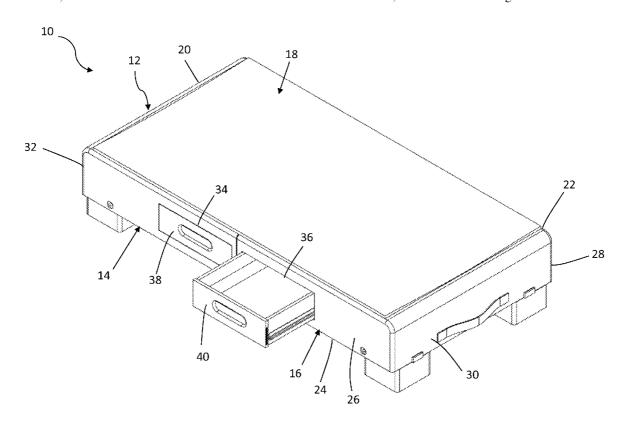
(60) Provisional application No. 61/982,100, filed on Apr. 21, 2014.

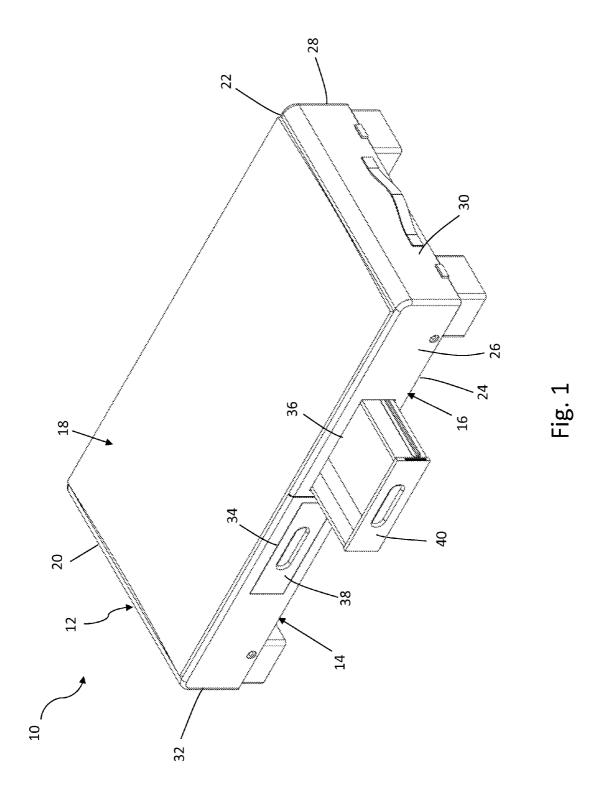
Publication Classification

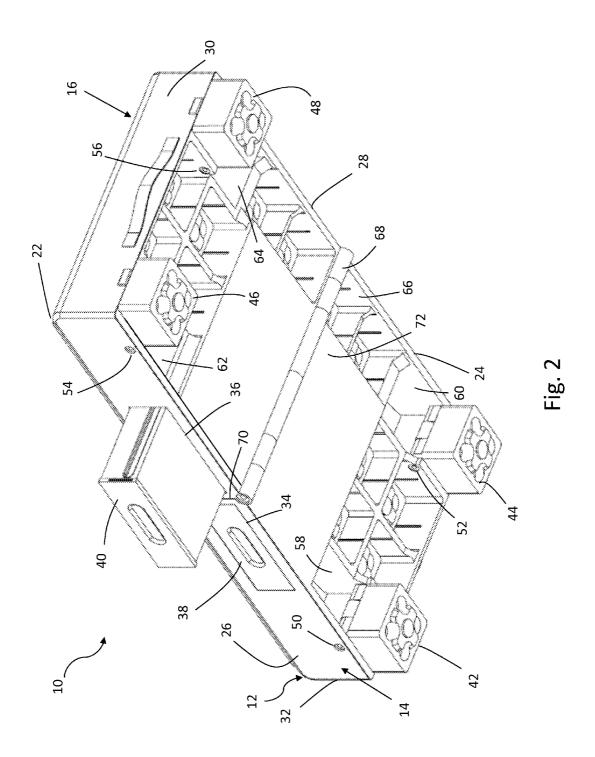
(51) **Int. Cl.** *A47D 5/00* (2006.01)

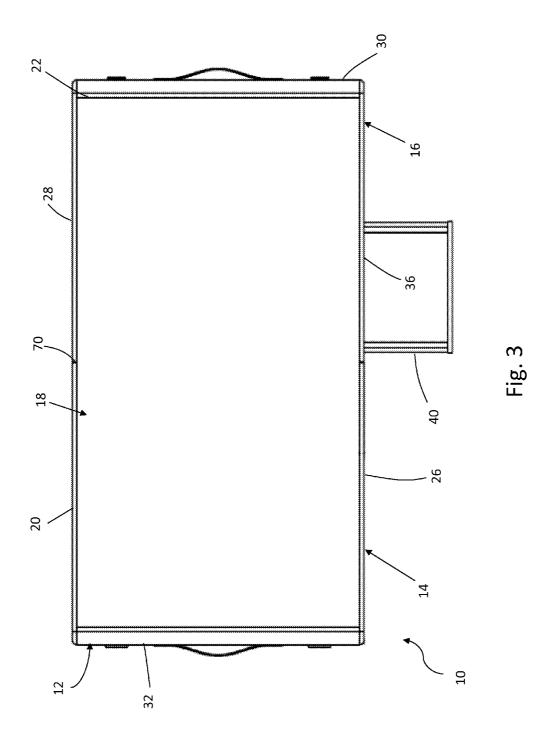
(57) ABSTRACT

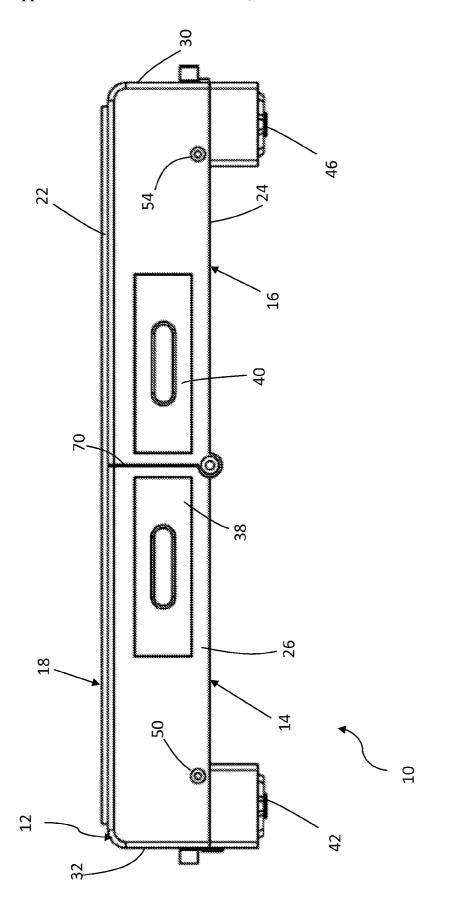
A portable diaper changing station includes a housing defined by an exterior surface and have a housing top and a housing bottom spaced from the housing top. The housing top can define a baby changing surface configured for receiving and supporting a baby during a diaper changing process. In some embodiments, the portable diaper changing station can include first and second hingedly connected modules, one or more drawers, and/or storable housing feet.



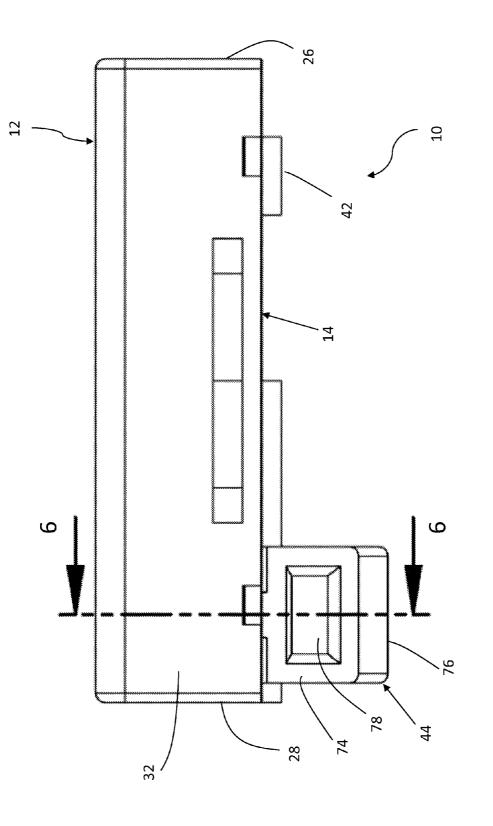




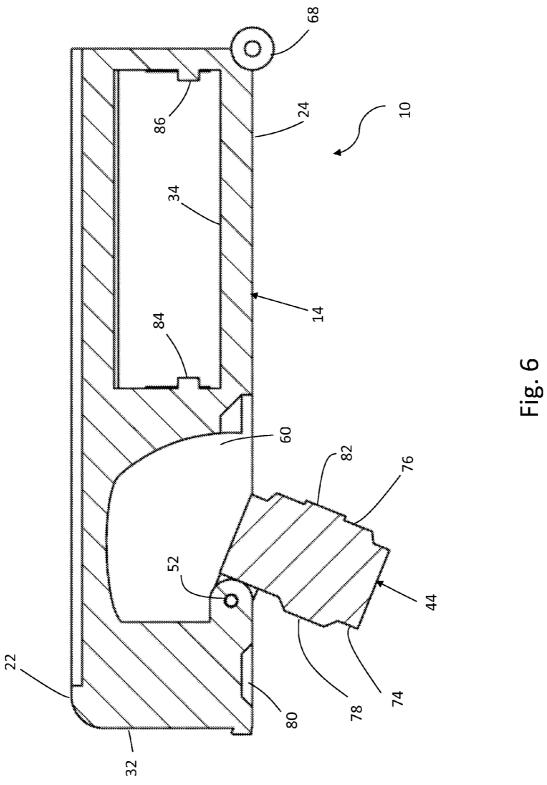


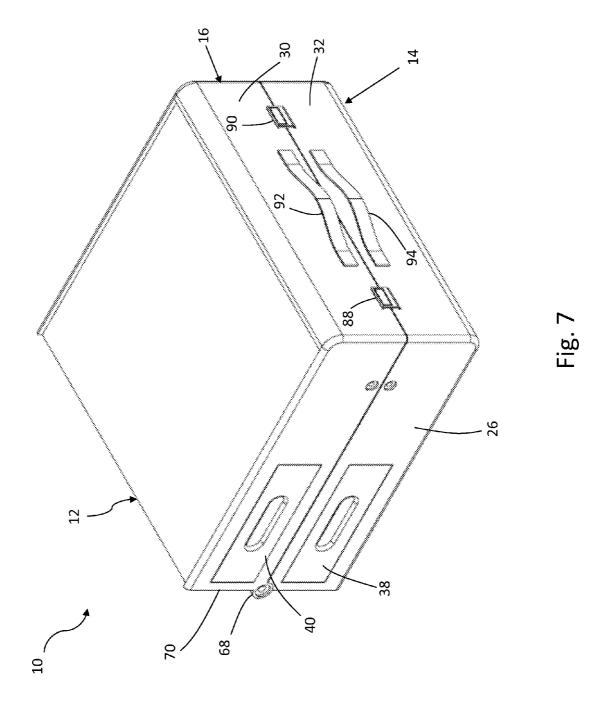


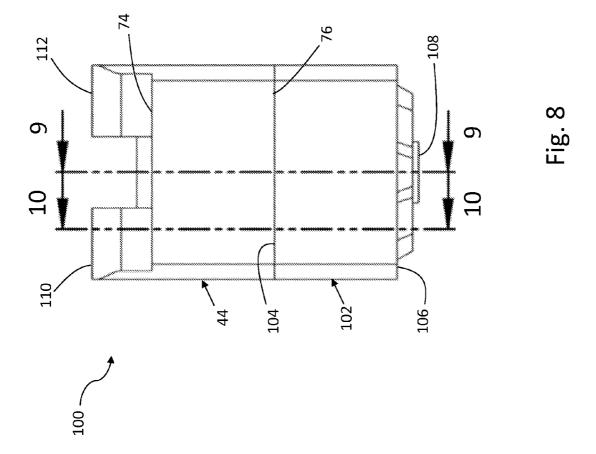
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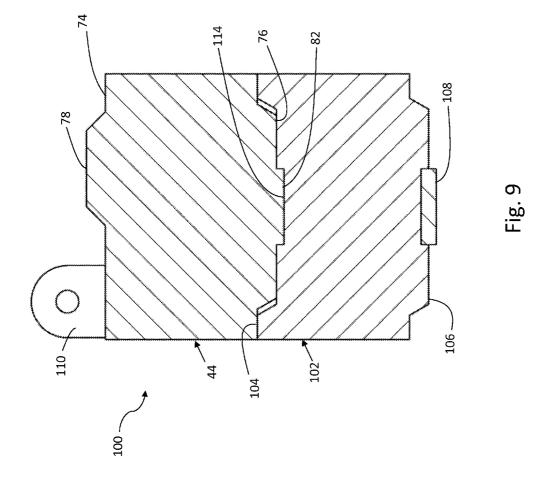


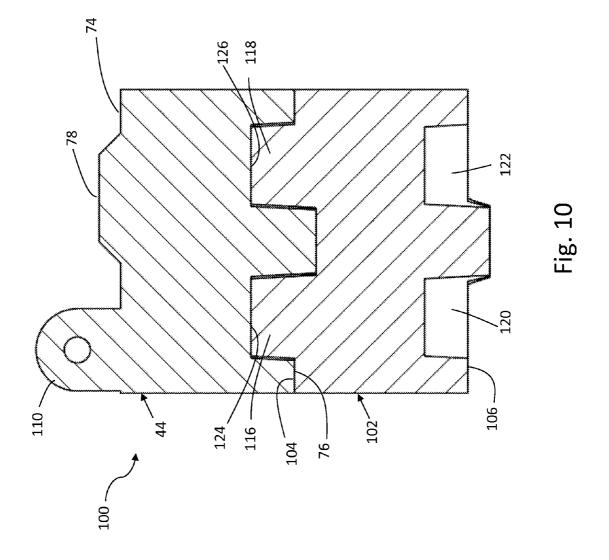
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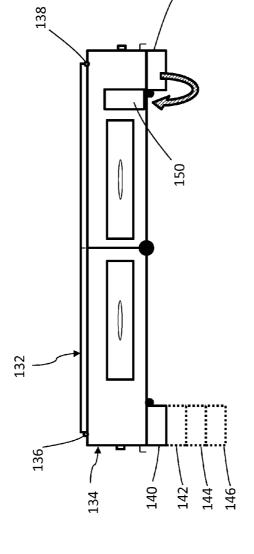


Fig. 11

PORTABLE DIAPER CHANGING STATION

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of U.S. Provisional Application Ser. No. 61/982,100, filed Apr. 21, 2014, the content of which is incorporated herein by reference in its entirety.

TECHNICAL FIELD

[0002] This invention relates to baby care products, and more particularly to a diaper changing station for use in changing a diaper of a baby.

BACKGROUND

[0003] Changing baby diapers is a common task of parents and other caregivers, and typically needs to be performed several times per day. In some cases, caregivers will use a diaper changing station as part of the diaper changing process. For example, a caregiver might set a baby on a changing area of a diaper changing station to support the baby during the changing process. In some cases, diaper changing stations can be pieces of furniture, or integrated with a piece of furniture, which can make it difficult or impossible for the caregiver to take the changing station with when leaving the home. Caregivers can also change a baby's diaper by placing the baby on the floor or another surface, but doing so can cause the diaper changing process to be more challenging.

SUMMARY

[0004] In general, one innovative aspect of the subject matter described in this specification can be embodied in a portable diaper changing station that includes a rigid housing. The rigid housing can be defined by an exterior surface and have a housing top and a housing bottom spaced from the housing top by a height. The housing top can define a baby changing surface configured for receiving and supporting a baby during a diaper changing process. The rigid housing can include a first module having a first module top defining a first portion of the baby changing surface and having a first module bottom opposite the first module top, and a second module having a second module top defining a second portion of the baby changing surface and having a second module bottom opposite the second module top. The first module can be hingedly connected to the second module so as to be movable from an open position to a folded position. The first portion of the baby changing surface can be aligned with the second portion of the baby changing surface so as to be suitable for receiving and supporting a baby during a diaper changing process when in the open position.

[0005] In another embodiment, a portable diaper changing station can include a housing and a drawer. The housing can be defined by an exterior surface, have a housing top and a housing bottom spaced from the housing top by a height, and be sized to be carried by a user for use while away from home. The housing can include a baby changing surface at the housing top that is configured for receiving and supporting a baby during a diaper changing process. The housing can include a drawer cavity extending through the exterior surface of the housing into an interior of the housing and a drawer can be slidably positioned in the drawer cavity. The drawer can be sized to house diapers for use in changing the baby.

[0006] In another embodiment, a portable diaper changing station can include a housing and a plurality of housing feet. The housing can be defined by an exterior surface and have a housing top and a housing bottom spaced from the housing top by a height. The housing top can define a baby changing surface configured for receiving and supporting a baby during a diaper changing process. The housing can define one or more recesses. The housing feet can be sized to fit in the one or more recesses of the housing. The housing feet can be movable from a storage position in which the housing feet are stored in the one or more recesses of the housing feet are positioned adjacent the housing bottom for supporting the housing.

[0007] The details of one or more embodiments of the invention are set forth in the accompanying drawings and the description below. Other features, objects, and advantages of the invention will be apparent from the description and drawings, and from the claims.

DESCRIPTION OF DRAWINGS

[0008] FIG. 1 is a perspective top view of a diaper changing station.

[0009] FIG. 2 is a perspective bottom view of the diaper changing station of FIG. 1.

 $\mbox{\bf [0010]} \quad \mbox{FIG. 3}$ is a top view of the diaper changing station of FIG. 1.

[0011] FIG. 4 is a side view of the diaper changing station of FIG. 1.

[0012] FIG. 5 is an end view of the diaper changing station of FIG. 1.

[0013] FIG. 6 is a sectional view of a module of the diaper changing station taken along line 6-6 of FIG. 5.

[0014] FIG. 7 is a perspective view of the diaper changing station of FIG. 1 with the diaper changing station in a folded position.

[0015] FIG. 8 is a side view of a foot assembly for use with the diaper changing station of FIG. 1.

[0016] FIG. 9 is a sectional view of the foot assembly taken along line 9-9 of FIG. 8.

[0017] FIG. 10 is a sectional view of the foot assembly taken along line 10-10 of FIG. 8.

[0018] FIG. 11 is a side schematic view of an alternative embodiment of a diaper changing station.

[0019] Like reference symbols in the various drawings indicate like elements.

DETAILED DESCRIPTION

[0020] FIG. 1 is a perspective top view of a diaper changing station 10, which is a portable diaper changing station that includes a housing 12 having modules 14 and 16 and a pad 18. The housing 12 is a rigid structure defined by an exterior surface 20 and has a housing top 22, a housing bottom 24 opposite the housing top 22, a housing side 26, a housing side 28 opposite the housing side 26, a housing end 30, and a housing end 32 opposite the housing end 30.

[0021] The housing top 22 extends substantially from the housing end 30 to the housing end 32 and extends substantially from the housing side 26 to the housing side 28. The housing top 22 defines a baby changing surface configured for receiving and supporting a baby during a diaper changing process. In one embodiment, the baby changing surface defined by the housing top 22 can be substantially concave so as to retain the baby toward a center of the housing top 22

during the diaper changing process. In another embodiment, the baby changing surface defined by the housing top 22 can be substantially flat, in which case the pad 18 can be substantially concave so as to retain the baby toward a center of the pad 18. In further embodiments, both the housing top 22 and the pad 18 can be substantially flat or can have another shape suitable for the application.

[0022] In the illustrated embodiment, the diaper changing station 10 includes the pad 18 positioned on the housing top 22. The pad 18 is a baby changing pad and can be relatively soft for providing a cushioned surface for the baby to rest on during the baby changing process. In the illustrated embodiment, the pad 18 is a removable pad that can extend from the housing end 30 to the housing end 32 and can be removably attached to the housing top 22. In an alternative embodiment, the pad 18 can be integrally attached to the housing top 22. [0023] The housing 12 defines drawer cavities 34 and 36. The drawer cavity 34 extends through the exterior surface 20 at the housing side 26 into an interior of the module 14. The drawer cavity 36 extends through the exterior surface 20 at the housing side 26 into an interior of the module 16. Drawers 38 and 40 are slidably positioned in the drawer cavities 34 and **36**, respectively, so as to be openable and closable by a user. The drawers 38 and 40 are storage receptacles that can be sized and configured to house items used during the diaper changing process. In the illustrated embodiment, the drawers 38 and 40 are sized to house diapers and baby wipes. The housing top 22 is spaced from the housing bottom 24 by a distance that allows the drawer cavities 34 and 36 to be sized sufficiently to receive the drawers 38 and 40. In another embodiment, the drawers 38 and 40 can be sized to house diapers, baby wipes, baby clothing, and other baby-related

[0024] In the illustrated embodiment, the diaper changing station 10 includes two drawers 38 and 40 both extending into and accessible from the same housing side 26. In alternative embodiments, the drawers 38 and 40 can be positioned elsewhere, such as the drawer 38 extending from the housing end 32 and the drawer 40 extending from the housing end 30. In other alternative embodiments, there can be fewer than or greater than two drawers. For example, in one embodiment the diaper changing station 10 can include four drawers, including the drawers 38 and 40 substantially as illustrated as well as two additional drawers (not shown) extending into and accessible from the housing side 28 and positioned opposite and aligned with the drawers 38 and 40 can be omitted and replaced by one or more alternative storage receptacles.

[0025] FIG. 2 is a perspective bottom view of the diaper changing station 10. As shown in FIG. 2, the diaper changing station 10 includes housing feet 42, 44, 46, and 48 attached to the housing bottom 24. The housing feet 42, 44, 46, and 48 are positioned at corners of the housing 12 for supporting the housing 12 during the diaper changing process. The housing feet 42, 44, 46, and 48 can be movable from a storage position in which the housing feet 42, 44, 46, and 48 are stored to a supporting position in which the housing feet 42, 44, 46, and 48 are positioned adjacent the housing bottom 24 for supporting the housing 12. The housing feet 42, 44, 46, and 48 are in the supporting position as illustrated in FIG. 2.

[0026] In the illustrated embodiment, the housing feet 42, 44, 46, and 48 are hinged housing feet. The housing feet 42 and 44 are pivotably connected to the module 14 via hinges 50 and 52. The housing feet 46 and 48 are pivotably connected to

the module 16 via hinges 54 and 56. The module 14 includes recesses 58 and 60 positioned adjacent the hinges 50 and 52 such that the housing feet 42 and 44 can be pivoted and stored in the recesses 58 and 60. The module 16 includes recesses 62 and 64 positioned adjacent the hinges 54 and 56 such that the housing feet 46 and 48 can be pivoted and stored in the recesses 62 and 64. The housing 12 can also include a plurality of additional recesses 66 for receiving and storing a plurality of foot extensions (not shown in FIG. 2). In the illustrated embodiment, the housing 12 includes twelve additional recesses 66 for storing twelve foot extensions. Including twelve foot extensions allows each of the four housing feet 42, 44, 46, and 48 to be extended three times. In some embodiments, the housing 12 can include fewer or more recesses 66 for storing less or more foot extensions.

[0027] In some embodiments, the housing feet 42, 44, 46, and 48 need not be hinged housing feet, but rather, can be otherwise movable from a storage position to a supporting position. For example, the housing feet 42, 44, 46, and 48 can have a snap-connection to the housing bottom 24 of the housing 12. In some cases, the housing feet 42, 44, 46, and 48 can be connected to the housing bottom 24 of the housing 12 via hook and loop fasteners, such as those commonly called VELCRO available from Velcro USA Inc. of Manchester N. I.I.

[0028] In some embodiments, the diaper changing station 10 can be formed primarily of polymer materials. For example, housing 12 including the modules 14 and 16, the drawers 38 and 40, and the feet 42, 44, 46, and 48 can each be formed of a polymer material via an injection molding process. The hinges 50, 52, 54, 56, and 68 can include metal (such as steel) rods about which the hinges 50, 52, 54, 56, and 68 pivot when the diaper changing station 10 is assembled. In other embodiments, the diaper changing station 10 can be formed of other materials and via other processes that are suitable for the application.

[0029] The housing 12 includes a hinge 68 that hingedly connects the module 14 to the module 16 so as to be movable from an open position (as illustrated in FIGS. 1 and 2) to a folded position (as illustrated in FIG. 7). The hinge 68 is positioned at a bottom edge of a division 70 between the module 14 and the module 16. The module 14 is aligned with the module 16 when in the open position such that the housing top 22 of the module 14 and the module 16 are aligned so as to be suitable for receiving and supporting the baby during the diaper changing process.

[0030] The housing 12 is foldable about the hinge 68, such that the housing 12 splits at the division 70 when in the folded position. The housing 12 can include a pad storage area 72 between the modules 14 and 16 for storage of the pad 18 (shown in FIG. 1). In one embodiment, the pad 18 can be folded and stored in the pad storage area 72 when the housing 12 is in the folded position.

[0031] FIG. 3 is a top view of the diaper changing station 10. FIG. 3 is shown with the housing 12 in the open position, with the modules 14 and 16 folded open and aligned. The pad 18 is positioned on the housing 12 and substantially covers the housing top 22. The drawer 40 is slid open and the drawer 38 (not shown in FIG. 3) is slid closed.

[0032] In one embodiment, the housing 12 can have a width extending from the housing end 32 to the housing end 30 of about 32 inches (about 81 centimeters) and a depth from the housing side 26 to the housing side 28 of about 16.5 inches (about 42 centimeters). Each of the modules 14 and 16 can

have a width that is approximately half of the width of the housing 12, extending from each of the respective housing ends 32 and 30 to the division 70. The pad 18 can have a width of about 30 inches (about 76 centimeters) and a depth of about 16 inches (about 41 centimeters). The drawer 40 can have a width of about 7.5 inches (about 19 centimeters) and a depth of about 12 inches (about 30 centimeters), although the drawer 40 is illustrated as extending only about 5 inches (about 13 centimeters) as shown in FIG. 3. In alternative embodiments, dimensions of the diaper changing station 10 can be modified as suitable for the application.

[0033] In some embodiments, the housing 12 can have a width extending from the housing end 32 to the housing end 30 of between about 24 to 34 inches (about 61 to 86 centimeters) and a depth from the housing side 26 to the housing side 28 of about 13 to 20 inches (about 33 to 51 centimeters). The pad 18 can have a width of about 22 to 34 inches (about 56 to 86 centimeters) and a depth of about 12 to 20 inches (about 30.5 to 51 centimeters). The drawer 40 can have a width of about 5 to 16 inches (about 13 to 41 centimeters) and a depth of about 6 to 20 inches (about 15 to 51 centimeters).

[0034] In some embodiments, the housing 12 can have a width extending from the housing end 32 to the housing end 30 of less than 34 inches (about 86 centimeters) and a depth from the housing side 26 to the housing side 28 of less than 20 inches (about 51 centimeters). The pad 18 can have a width of less than 34 inches (about 86 centimeters) and a depth of less than 20 inches (about 51 centimeters). The drawer 40 can have a width of less than 16 inches (about 41 centimeters) and a depth of less than 20 inches (about 51 centimeters).

[0035] FIG. 4 is a side view of the diaper changing station 10. FIG. 4 is shown with the housing 12 in the open position, with the modules 14 and 16 folded open with the housing top 22 being aligned.

[0036] In one embodiment, the housing 12 can have a height (or thickness) extending from the housing top 22 to the housing bottom 24 of about 4 to 4.2 inches (about 10.2 to 10.7 centimeters). The housing feet 42 and 44 can each have a height of about 2.2 to 2.4 inches (about 5.6 to 6.1 centimeters). The height of the pad 18 can be about 1.5 inches (about 3.8 centimeters). When the housing feet 42 and 44 are in the supporting position, the combined height of the housing 12 with the housing feet 42 and 44 can be between about 6.2 to 6.6 inches (about 15.7 to 16.8 centimeters) and between about 7.7 and 8.1 inches (19.6 to 20.6 centimeters) when including the pad 18. This can allow the diaper changing station 10 to raise the baby to a height more comfortable to the user when performing the diaper changing process. The drawers 38 and 40 can each have a height of about 2.3 to 2.4 inches (about 5.8 to 6.1 centimeters), which is less than the height of the housing 12 and can be a suitable size for storing diapers, wipes, or other items. In alternative embodiments, dimensions of the diaper changing station 10 can be modified as suitable for the application.

[0037] In some embodiments, the housing 12 can have a height (or thickness) extending from the housing top 22 to the housing bottom 24 of about 2 to 6 inches (about 5 to 15 centimeters). The housing feet 42 and 44 can each have a height of about 1 to 6 inches (about 2.5 to 15 centimeters). The height of the pad 18 can be about 0.2 to 2 inches (about 0.5 to 5 centimeters). The drawers 38 and 40 can each have a height of about 1 to 5 inches (about 2.5 to 13 centimeters).

[0038] In some embodiments, the housing 12 can have a height (or thickness) extending from the housing top 22 to the

housing bottom 24 of greater than 1 inch (about 2.5 centimeters). The housing feet 42 and 44 can each have a height of greater than 1 inch (about 2.5 centimeters). The height of the pad 18 can be less than 2 inches (about 5 centimeters). The drawers 38 and 40 can each have a height of less than 3 inches (about 7.6 centimeters). FIG. 5 is an end view of the diaper changing station 10. As shown in FIG. 5, the foot 42 is in the storage position and the foot 44 is rotated to a position between the storage position and the supporting position. The foot 44 has a top 74 and a bottom 76. The foot 44 includes a projection 78 extending from the top 74 of the foot 44.

[0039] FIG. 6 is a sectional view of the module 14 of the diaper changing station 10 taken along line 6-6 of FIG. 5. The sectional view of FIG. 6 cuts through the foot 44 and the corresponding recess 60 to better illustrate how the foot 44 pivots about the hinge 52 from the storage position to the supporting position. The housing bottom 24 of the module 14 includes a cavity 80 aligned with the projection 78 on the top 74 of the foot 44. The cavity 80 can receive the projection 78 when the foot 44 is pivoted to the supporting position. The bottom 76 of the foot 44 includes a pad 82 configured to rest on a surface (such as a trunk of a vehicle, a table, or the ground) for supporting the changing station 10. In one embodiment, the pad 82 can be a rubber pad attached to the bottom 76 of the foot 44 via adhesive. In another embodiment, the pad 82 can be a felt pad attached to the bottom 76 of the foot 44 via adhesive. In a further embodiment, the pad 82 can be integrally formed with the foot 44, for example, via an injection molding process.

[0040] The drawer 38 (not shown in FIG. 6) has been removed from FIG. 6 to show the drawer cavity 34, which is defined by the module 14. The module 14 includes rails 84 and 86 that extend into the drawer cavity 34. The rails 84 and 86 can support and guide the drawer 38 as it is slid into and out of the drawer cavity 34.

[0041] FIG. 7 is a perspective view of the diaper changing station 10 in the folded position. The module 14 is parallel to and abutting the module 16 with the housing bottom 24 of the modules 14 and 16 in abutting contact when the diaper changing station 10 is in the folded position. The pad 18 (shown in FIGS. 1, 3, and 4) can be folded and stored between the modules 14 and 16 when the diaper changing station 10 is in the folded position.

[0042] The diaper changing station 10 can include one or more latches 88 and 90 that latch the housing end 30 of the module 16 to the housing end 32 of the module 14 when the diaper changing station 10 is in the folded position. The diaper changing station 10 can include one or more handles 92 and 94 positioned on the housing ends 30 and 32 for carrying the diaper changing station 10 when the diaper changing station 10 is in the folded position.

[0043] FIG. 8 is a side view of a foot assembly 100 for use with the diaper changing station 10 (shown in FIGS. 1-7). The foot assembly 100 includes the foot 44 and an extension 102. The extension 102 includes a top 104 and a bottom 106. The extension 102 connects to the foot 44 with the top 104 of the extension 102 abutting the bottom 76 of the foot 44, thus effectively extending the foot 44 by a length equal to a height of the extension 102. The extension 102 has a pad 108 on the bottom 106 of the extension 102. The pad 108 can be substantially similar to the pad 82, described with respect to FIG. 6.

[0044] The foot 44 includes hinge knuckles 110 and 112 extending from the top 74 of the foot 44. The hinge knuckles

110 and 112 form part of the hinge 52 (shown in FIGS. 2 and 6) and can pivot about a pin (not shown in FIG. 8) of the hinge 52.

[0045] FIG. 9 is a sectional view of the foot assembly 100 taken along line 9-9 of FIG. 8. The top 104 of the extension 102 includes a cavity 114 sized and shaped to receive the pad 82 on the bottom 76 of the foot 44.

[0046] FIG. 10 is a sectional view of the foot assembly 100 taken along line 10-10 of FIG. 8. The extension 102 includes prongs 116 and 118 extending from the top 104 of the extension 102 and includes sockets 120 and 122 recessed in the bottom 106 of the extension 102. The foot 44 also includes sockets 124 and 126 recessed in the bottom 76 of the foot 44. The sockets 124 and 126 can be sized and shaped similar to the sockets 120 and 122. The prongs 116 and 118 can be sized and shaped complementary to the sockets 120, 122, 124 and 126. As illustrated in FIG. 10, the prongs 116 and 118 are positioned in the sockets 124 and 126 in a snap-fit relationship. The top 104 of the extension 102 is sized and shaped complementary to the bottom 76 of the foot 44 such that the extension 102 can have a snap-fit connection to the foot 44. The top 104 of the extensions 102 can also be sized and shaped to have a snap-fit connection with the housing 12 when the extensions 102 are placed in the recesses 66 for

[0047] The bottom 106 of the extension 102 can be sized and shaped similar to the bottom 76 of the foot 44. This allows for additional extensions (not shown in FIG. 10) that are sized and shaped similar to the extension 102 to be snapped and connected to the bottom 106 of the extension 102. This allows a user to adjust the height of the foot assembly 100 by connecting more or fewer extensions 102 to achieve a desired height of the diaper changing station 10 (shown in FIGS. 1-7). Bottoms of the housing feet 42, 46, and 48 can be sized and shaped similar to the bottom 76 of the foot 44, such that extensions 102 can similarly be connected to the other housing feet 42, 46, and 48 to adjust the effective height of the diaper changing station 10.

[0048] FIG. 11 is a side schematic view of a diaper changing station 130, which can be similar to the diaper changing station 10 (shown in FIGS. 1-7). The diaper changing station 130 includes a pad 132 attached to a housing 134 via fasteners 136 and 138. The fasteners 136 and 138 can allow the pad 132 to be attached and detached to a top of the housing 134, which can facilitate both use and storage of the pad 132. In one embodiment, fasteners 136 and 138 can be snap connectors. In another embodiment, the fasteners 136 and 138 can be hook and loop fasteners.

[0049] The diaper changing station 130 includes a housing foot 140 in a supporting position, with a set of extensions 142, 144, and 146 attached in series to and extending from a bottom of the housing foot 140. Use of the extensions 142, 144, and 146 can increase the effective height of the diaper changing station 130 to increase user convenience and comfort. For example, increasing the effective height of the diaper changing station 130 can reduce or prevent a user from having to bend his or her back during the diaper changing process and consequently reduce or prevent back strain. The diaper changing station also includes a housing foot 148, which is shown being pivoted from a supporting position to a storage position in a recess 150. A set of extensions, such as the extensions 142, 144, and 146, can also be attached to the housing foot 148 to increase the effective height of the diaper changing station 130.

[0050] In some embodiments, the extensions 142, 144, and 146 can each have a height of about 1 to 3 inches (about 2.5 to 7.5 centimeters). In some embodiments, the extensions 142, 144, and 146 can each have a height of about 1 to 2 inches (about 2.5 to 5 centimeters). In some embodiments, the extensions 142, 144, and 146 can each have a height of about 2 to 3 inches (about 5 to 7.5 centimeters). In some embodiments, the extensions 142, 144, and 146 can each have a height of about 1.5 to 2.5 inches (about 3.8 to 6.3 centimeters). In one embodiment, the extensions 142, 144, and 146 can each have a height of about 2 inches (about 5 centimeters). Thus, the user can increase the effective height of the diaper changing station 130 in 2 inch increments by adding one, two, three, or more extensions 142, 144, and 146 to the feet 140 and 148. [0051] Accordingly, various embodiments of the diaper changing stations described above can provide a relatively sturdy and convenient diaper changing station suitable for use both at home and when traveling. Including a rigid housing can help provide a sturdy structure for supporting a baby during a diaper changing process. Including drawers or other storage receptacles allows a user to store diapers and wipes for use during the diaper changing process. Including feet and extensions allows for adjustability of the diaper changing station to a height desirable by a user, which can vary depending on the height of the user, the location of use, and user preferences. The inter-connectablity of the feet and extensions described above allows for adjustable foot assemblies that are both sturdy and convenient. Including recesses in the housing for storage of feet and feet-extensions allows for a convenient and secure storage location of the feet and extensions when not in use. Including a removable pad can allow the diaper changing station to have a cushioned surface for the baby that is also removable and storable within the housing. Designing the housing to have first and second pivotably connected modules allows the housing to be folded and stored with a relatively small footprint. The housing can be sized and configured to include space for drawers and recesses for feet

[0052] In one embodiment, a diaper changing station can be designed for the trunk of a car (or any flat but low surface). The diaper changing station can be built from thick sturdy plastic with a hinge half-way through for easy folding, as well as thick sturdy blocks that can fit under each foot to change the elevation of the changing table as needed. A cushioned cover can attach easily via snaps or Velcro to provide a clean changing area for the baby. The main platform can also have a drawer for storing wipes, diapers, etc. The blocks can be stored inside the folded platform.

and extensions, allowing the diaper changing station to be a

relatively self-contained unit. Various embodiments of diaper

changing stations can include one, more, or all of these fea-

tures as deemed appropriate for a given application.

[0053] A number of embodiments of the invention have been described. Nevertheless, it will be understood that various modifications may be made without departing from the spirit and scope of the invention. For example, the size and shape of the housing and other components can be modified as suitable for a given application. Accordingly, other embodiments are within the scope of the following claims.

What is claimed is:

- 1. A portable diaper changing station comprising:
- a housing defined by an exterior surface and having a housing top and a housing bottom spaced from the housing top by a height, wherein the housing top defines a baby changing surface configured for receiving and sup-

- porting a baby during a diaper changing process, wherein the housing comprises:
- a first module having a first module top defining a first portion of the baby changing surface and having a first module bottom opposite the first module top; and
- a second module having a second module top defining a second portion of the baby changing surface and having a second module bottom opposite the second module top, wherein the first module is hingedly connected to the second module so as to be movable from an open position to a folded position, and wherein the first portion of the baby changing surface is aligned with the second portion of the baby changing surface so as to be suitable for receiving and supporting a baby during a diaper changing process when in the open position.
- 2. The portable diaper changing station of claim 1, wherein the housing is a rigid structure that defines a drawer cavity extending through the exterior surface of the housing into an interior of the housing and defines one or more feet recesses and wherein the housing has a width of between about 24 to 34 inches and the height of between about 2 to 6 inches, the portable diaper changing station further comprising:
 - a drawer slidably positioned in the drawer cavity, wherein the drawer is sized to house diapers for use in changing the baby; and
 - a plurality of housing feet sized to fit in the one or more feet recesses of the housing, wherein the housing feet are movable from a storage position in which the housing feet are stored in the one or more feet recesses of the housing and a supporting position in which the housing feet are positioned adjacent the housing bottom for supporting the housing.
- 3. The portable diaper changing station of claim 2, wherein the drawer cavity extends into a housing side that extends between the housing top and the housing bottom and is substantially perpendicular to the housing top and the housing bottom, wherein the one or more feet recesses extend into housing bottom, and wherein the drawer cavity is separate from and distinct from the one or more feet recesses.
- 4. The portable diaper changing station of claim 3, wherein the plurality of feet are each hingedly connected to the housing and pivotable between the storage position and the supporting position and wherein the housing further defines one or more extension recesses, the portable diaper changing station further comprising:
 - a plurality of extensions configured for connecting to bottoms of the plurality of feet for increasing an effective height of the portable diaper changing station, wherein the plurality of extensions are sized and configured to be retained and stored in the one or more extension recesses.
- 5. The portable diaper changing station of claim 1, wherein the housing defines one or more recesses, the portable diaper changing station further comprising:
 - a plurality of housing feet sized to fit in the one or more recesses of the housing, wherein the housing feet are movable from a storage position in which the housing feet are stored in the one or more recesses of the housing and a supporting position in which the housing feet are positioned adjacent the housing bottom for supporting the housing.
- 6. The portable diaper changing station of claim 1, wherein the housing further comprises a drawer cavity extending

- through the exterior surface of the housing into an interior of the housing, the portable diaper changing station further comprising:
 - a drawer slidably positioned in the drawer cavity, wherein the drawer is sized to house diapers for use in changing the baby.
- 7. The portable diaper changing station of claim 1, wherein the housing further comprises a first drawer cavity extending through the exterior surface of the housing into a first interior of the first module and a second drawer cavity extending through the exterior surface of the housing into a second interior of the second module, wherein the first drawer cavity is separate from the second drawer cavity such that the first drawer cavity is pivotable with respect to the second drawer cavity as the first and second modules move between the open position and the folded position, the portable diaper changing station further comprising:
 - a first drawer slidably positioned in the first drawer cavity; and
 - a second drawer slidably positioned in the second drawer cavity.
- 8. The portable diaper changing station of claim 1, wherein the housing further comprises a receptacle extending through the exterior surface of the housing into an interior of the housing, wherein the receptacle is sized to house diapers, baby wipes, and clothing for use in changing the baby.
- **9**. The portable diaper changing station of claim **1**, wherein the housing defines a pad storage area between the first and second modules when the first and second module are in the folded position, the portable diaper changing station further comprising:
 - a removable pad sized and configured to be positioned on and connected to the baby changing surface at the housing top of the housing when the first and second modules are in the open position and to be positioned in the pad storage area when the first and second modules are in the folded position.
- 10. The portable diaper changing station of claim 1, wherein the housing has a housing division separating the first module from the second module, wherein the housing includes a hinge that hingedly connects the first module to the second module, and wherein the hinge is positioned along a bottom edge of the division that is adjacent the housing bottom and is spaced from the housing top by a thickness of the housing.
 - 11. A portable diaper changing station comprising:
 - a housing defined by an exterior surface, having a housing top and a housing bottom spaced from the housing top by a height, and sized to be carried by a user for use while away from home, the housing comprising:
 - a baby changing surface at the housing top, wherein the baby changing surface is configured for receiving and supporting a baby during a diaper changing process; and
 - a drawer cavity extending through the exterior surface of the housing into an interior of the housing; and
 - a drawer slidably positioned in the drawer cavity, wherein the drawer is sized to house diapers for use in changing the baby.
- 12. The portable diaper changing station of claim 11, wherein the housing has first and second housing sides extending between the housing top and the housing bottom with the first housing side positioned opposite the second housing side, wherein the drawer cavity extends into the

interior of housing through the first housing side, wherein the housing further defines a second drawer cavity extending into the interior of the housing through the first side, wherein the second drawer cavity is spaced from and extends substantially parallel to the first drawer housing, and wherein the portable diaper changing station further comprises a second drawer slidably positioned in the second drawer cavity.

- 13. The portable diaper changing station of claim 11, wherein the housing has first and second housing sides extending between the housing top and the housing bottom with the first housing side positioned opposite the second housing side, wherein the drawer cavity extends into the interior of housing through the first housing side, wherein the housing further defines a second drawer cavity extending into the interior of the housing through the first side and that is spaced from and extends substantially parallel to the first drawer housing, a third drawer cavity extending into the interior of the housing through the second side and that is positioned opposite of and aligned with the drawer cavity, and a fourth drawer cavity extending into the interior of the housing through the second side, is positioned opposite of and aligned with the second drawer cavity and is substantially parallel to the third drawer cavity, the portable diaper changing station further comprising:
 - a second drawer slidably positioned in the second drawer cavity:
 - a third drawer slidably positioned in the third drawer cavity; and
 - a fourth drawer slidably positioned in the fourth drawer cavity.
- 14. The portable diaper changing station of claim 13, wherein the housing is foldable such that the drawer and the third drawer pivot with respect to the second and fourth drawer when the housing is folded.
 - 15. A portable diaper changing station comprising:
 - a housing defined by an exterior surface and having a housing top and a housing bottom spaced from the housing top by a height, wherein the housing top defines a baby changing surface configured for receiving and sup-

- porting a baby during a diaper changing process, and wherein the housing defines one or more recesses; and
- a plurality of housing feet sized to fit in the one or more recesses of the housing, wherein the housing feet are movable from a storage position in which the housing feet are stored in the one or more recesses of the housing and a supporting position in which the housing feet are positioned adjacent the housing bottom for supporting the housing.
- 16. The portable diaper changing station of claim 15, wherein the housing feet are hingedly connected to the housing so as to pivot between the supporting position with the housing feet positioned proximate corners of the housing and the storage position with the housing feet pivoted into the one or more recesses.
- 17. The portable diaper changing station of claim 15, wherein the housing feet comprise housing feet assemblies having feet extensions configured to increase an effective height of the portable diaper changing station.
- 18. The portable diaper changing station of claim 15, and further comprising:
 - a plurality of feet extensions sized to fit in the one or more recesses of the housing, wherein the feet extensions are movable from an extension storage position in which the feet extensions are stored in the recesses of the housing and an extension supporting position in which the feet extensions are connected to feet bottoms of the housing feet for raising and supporting the housing.
- 19. The portable diaper changing station of claim 18, wherein the feet extensions have extension tops and extension bottoms and wherein the extension tops are sized and shaped for a snap-fit connection with the extension bottoms, with the feet bottoms, and with the recesses of the housing.
- 20. The portable diaper changing station of claim 18, wherein the plurality of housing feet comprise at least four housing feet and wherein the plurality of feet extensions comprise at least twelve housing feet extensions configured for selectively increasing an effective height of the portable diaper changing station in multiple increments.

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