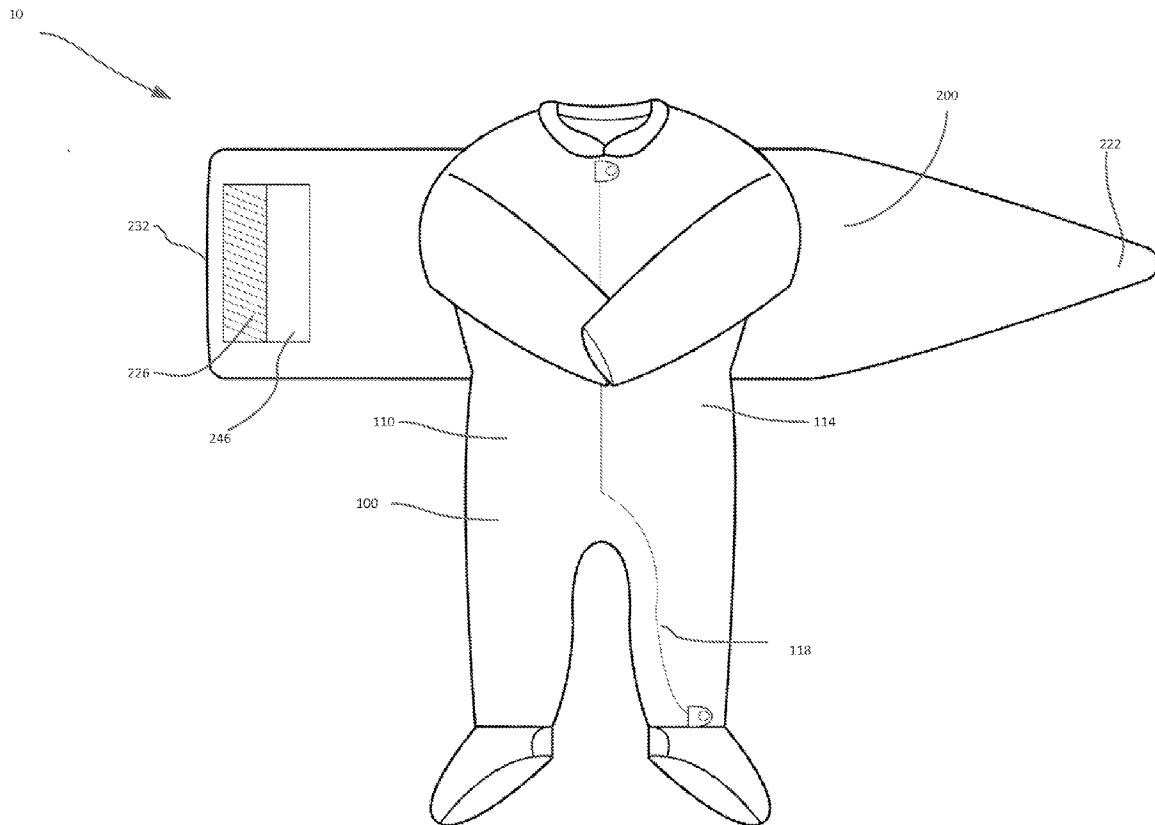


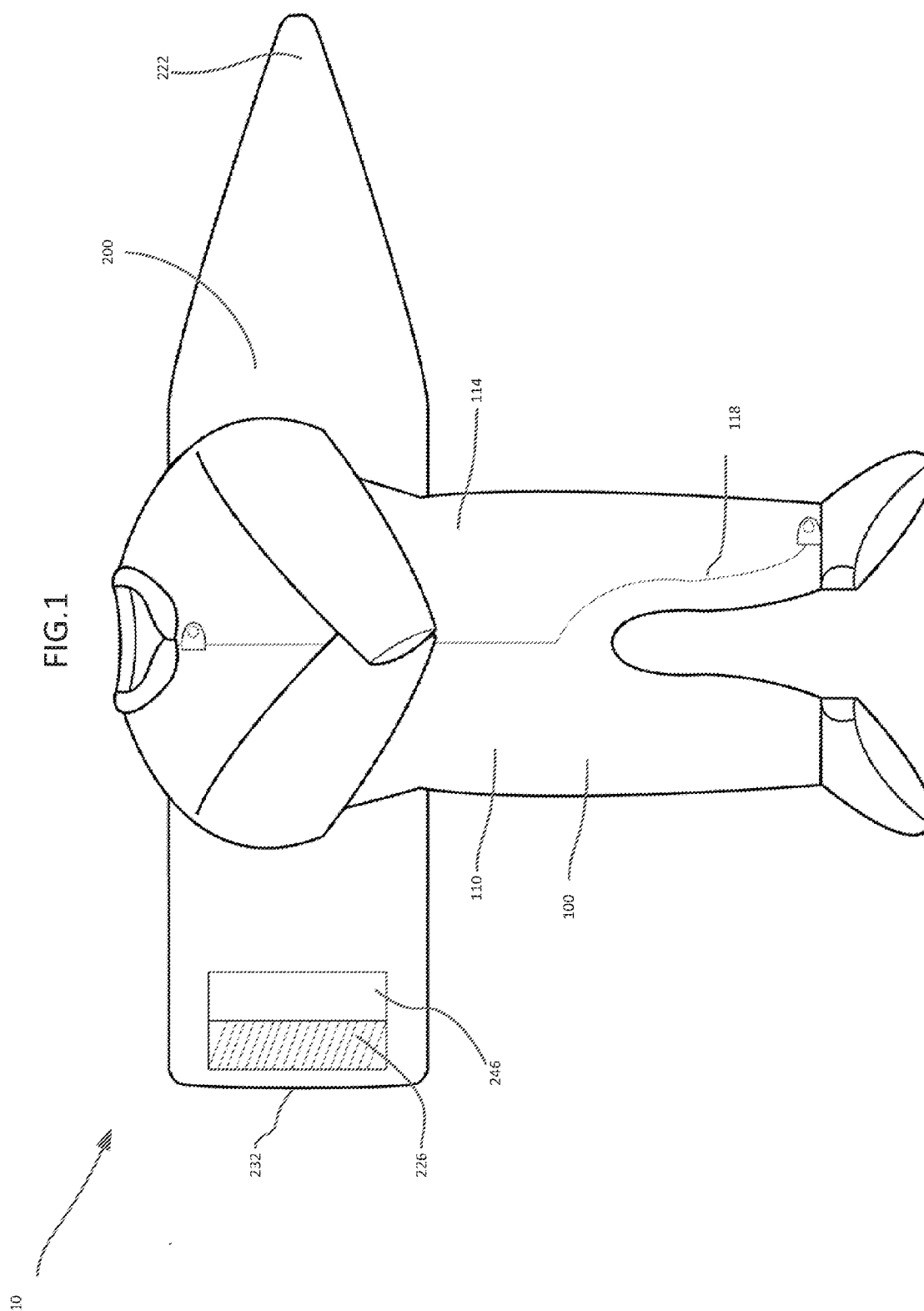


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**Blacker**(10) **Pub. No.: US 2016/0113331 A1**(43) **Pub. Date: Apr. 28, 2016**(54) **PAJAMA SWADDLING SYSTEM AND  
ASSOCIATED METHODS**(52) **U.S. Cl.**CPC ..... *A41B 13/005* (2013.01); *A47G 9/02*  
(2013.01); *A41B 13/10* (2013.01)(71) Applicant: **Rachel Kathryn Blacker**, Las Vegas,  
NV (US)(72) Inventor: **Rachel Kathryn Blacker**, Las Vegas,  
NV (US)(21) Appl. No.: **14/525,026**(22) Filed: **Oct. 27, 2014****Publication Classification**(51) **Int. Cl.***A41B 13/00* (2006.01)*A41B 13/10* (2006.01)*A47G 9/02* (2006.01)(57) **ABSTRACT**

A method and apparatus for securely swaddling an infant, including a pajama component having a hook and loop fastening component provided on a rear panel, and a swaddle component having a corresponding hook and loop fastening component provided on an inner surface wherein the swaddle component and the pajama component adhere to one another via the hook and loop fastening component. The swaddle then wraps around the infant in the pajama component and adheres to itself in a rear location on the infant thus providing a secure and comfortable swaddle to the infant.





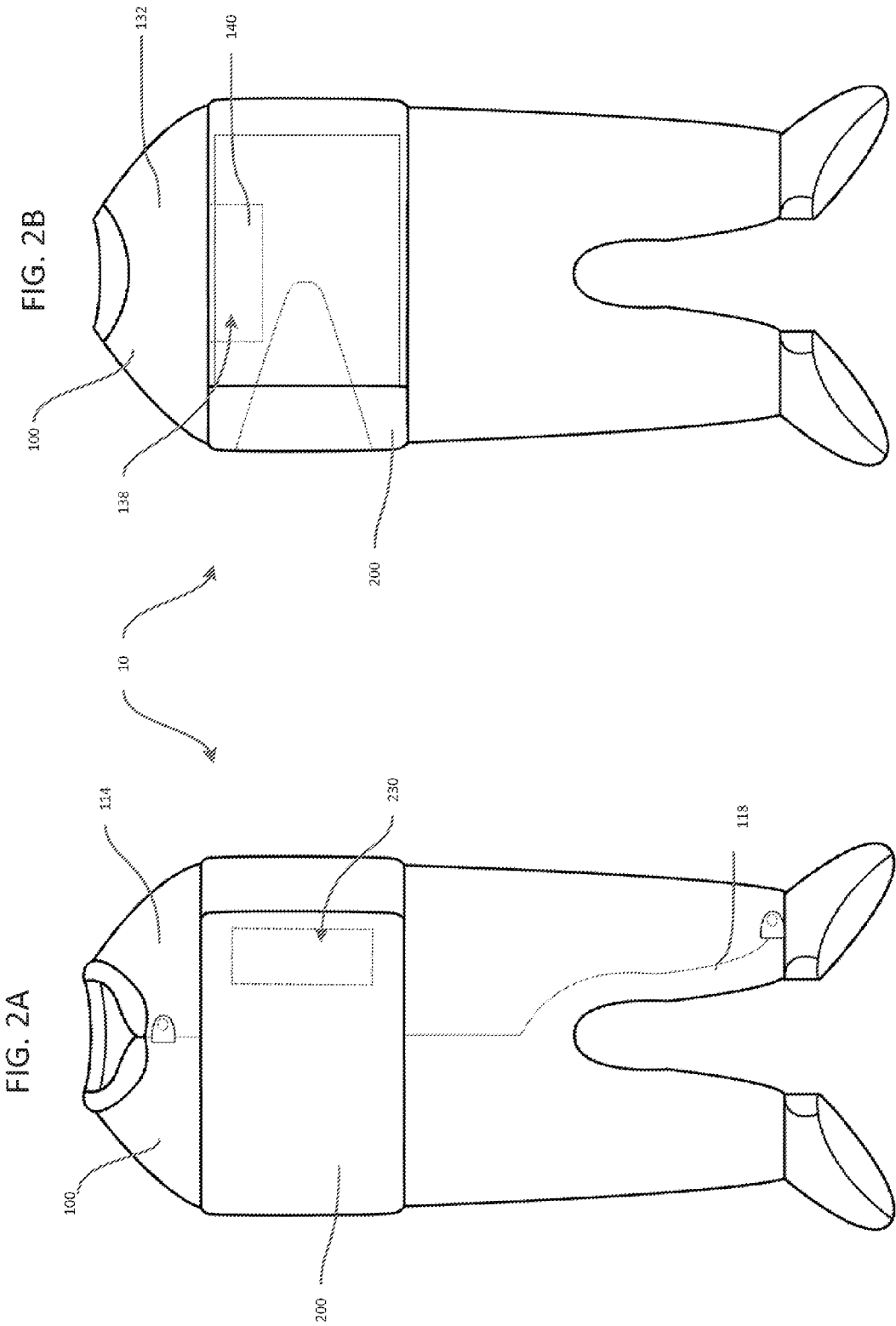


FIG. 3B

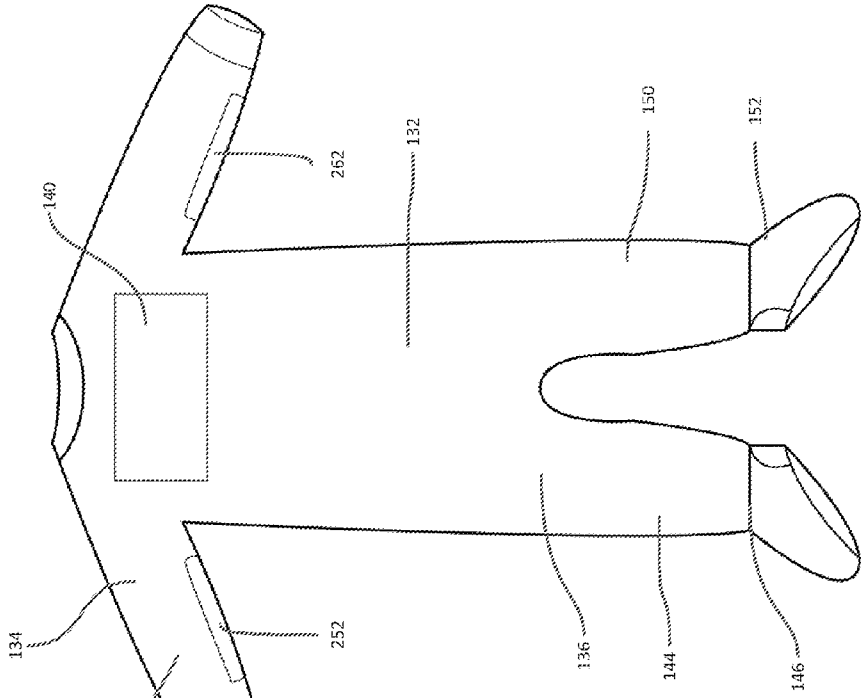


FIG. 3A

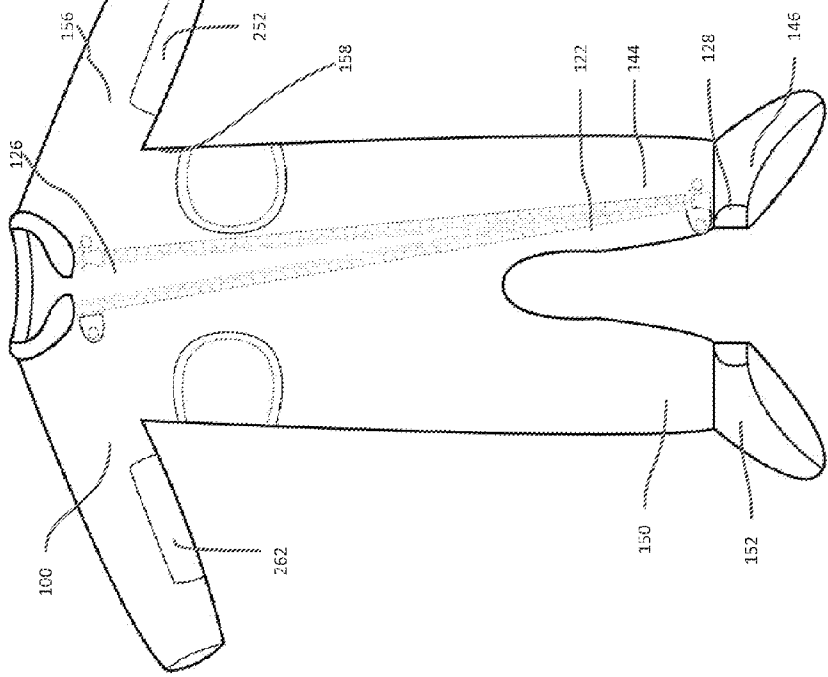


FIG. 4A

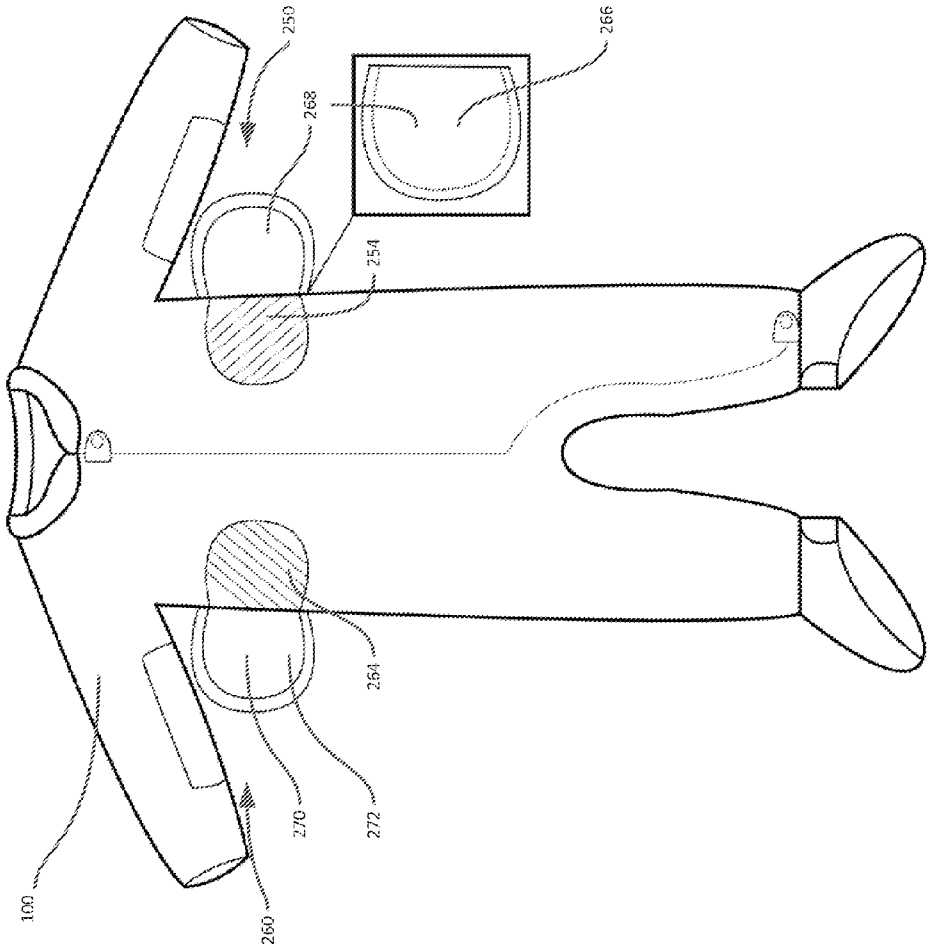


FIG. 4B

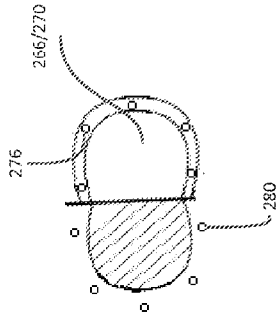


FIG. 5A

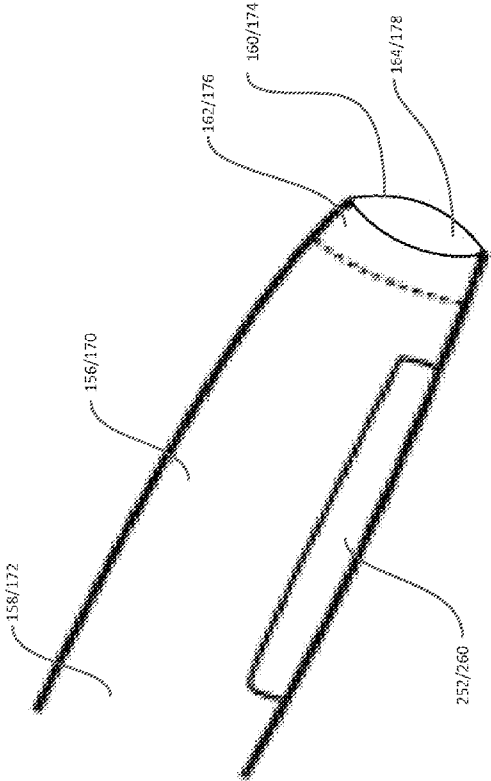
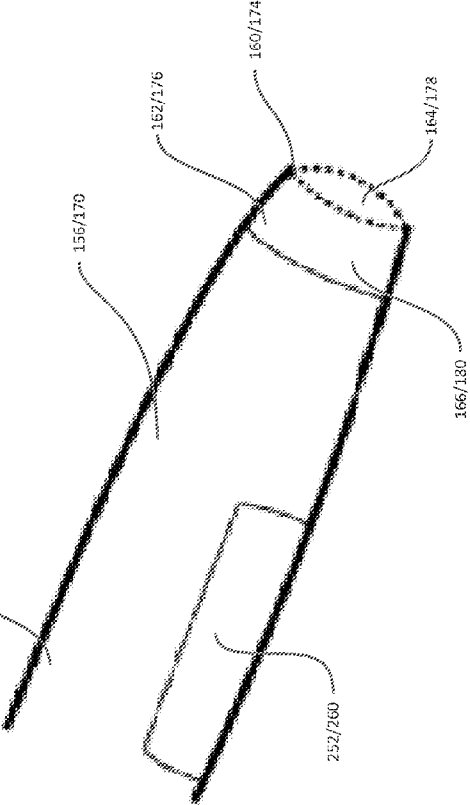
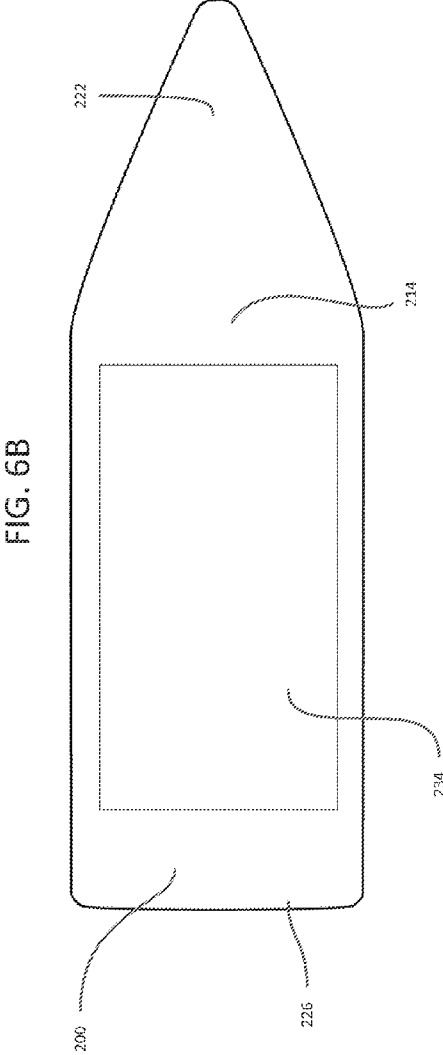
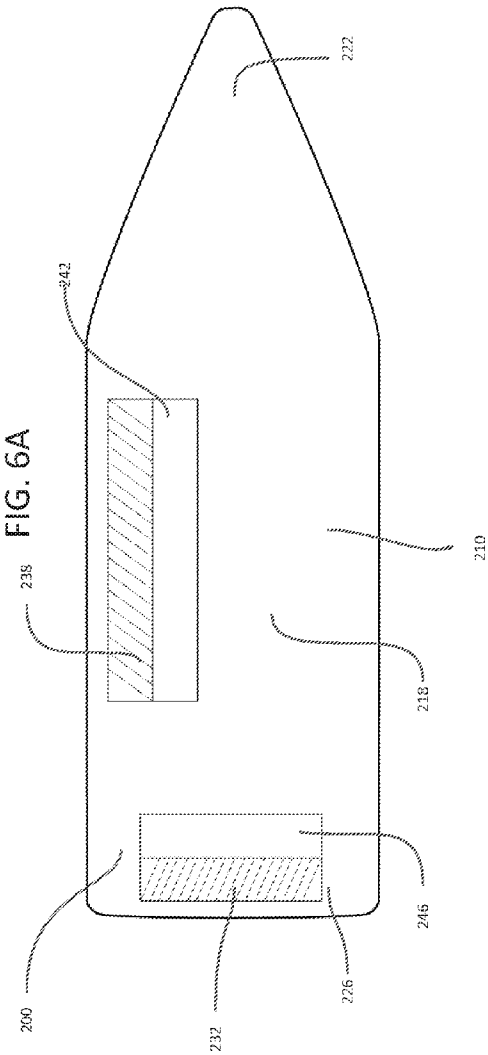
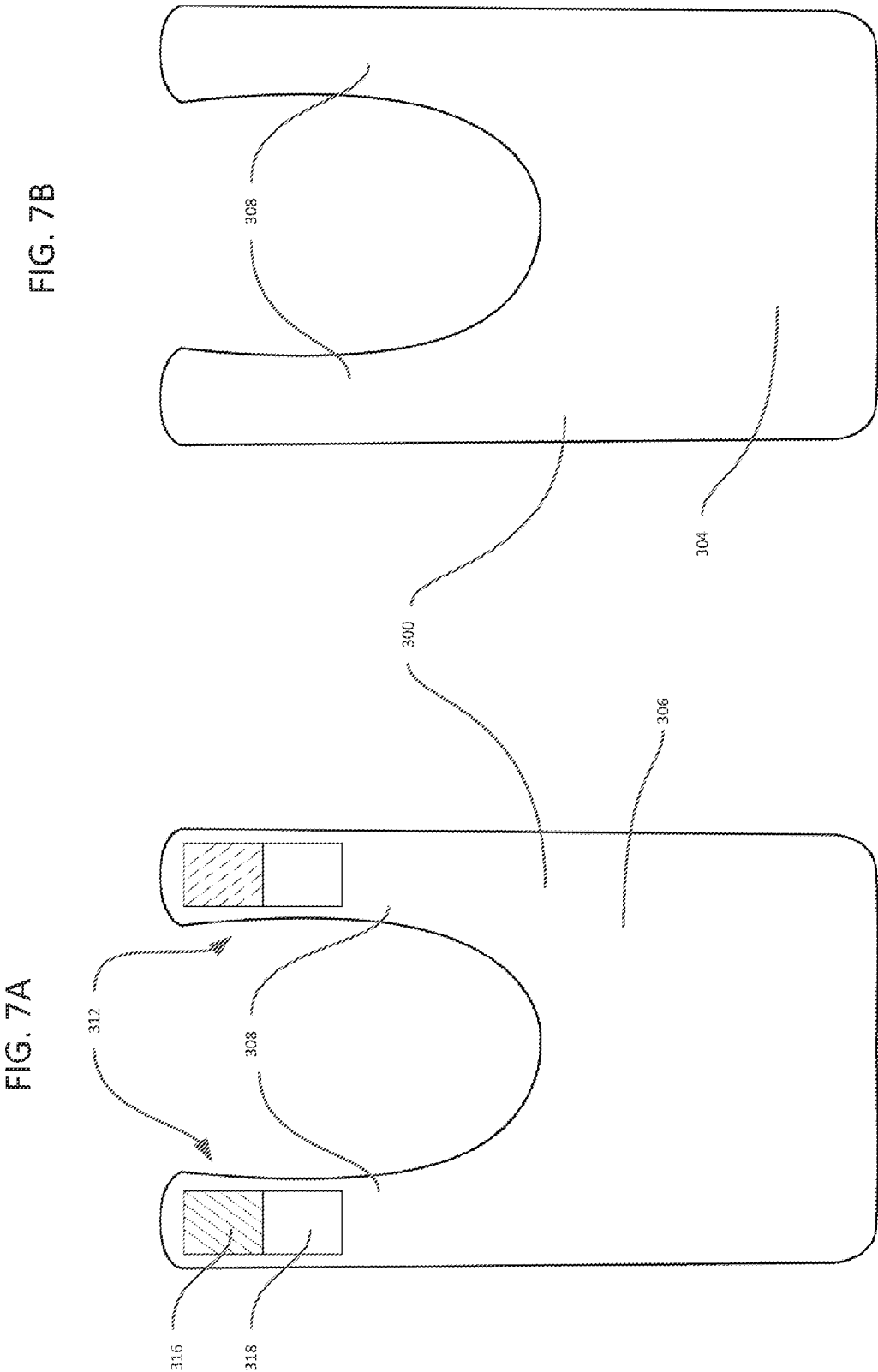


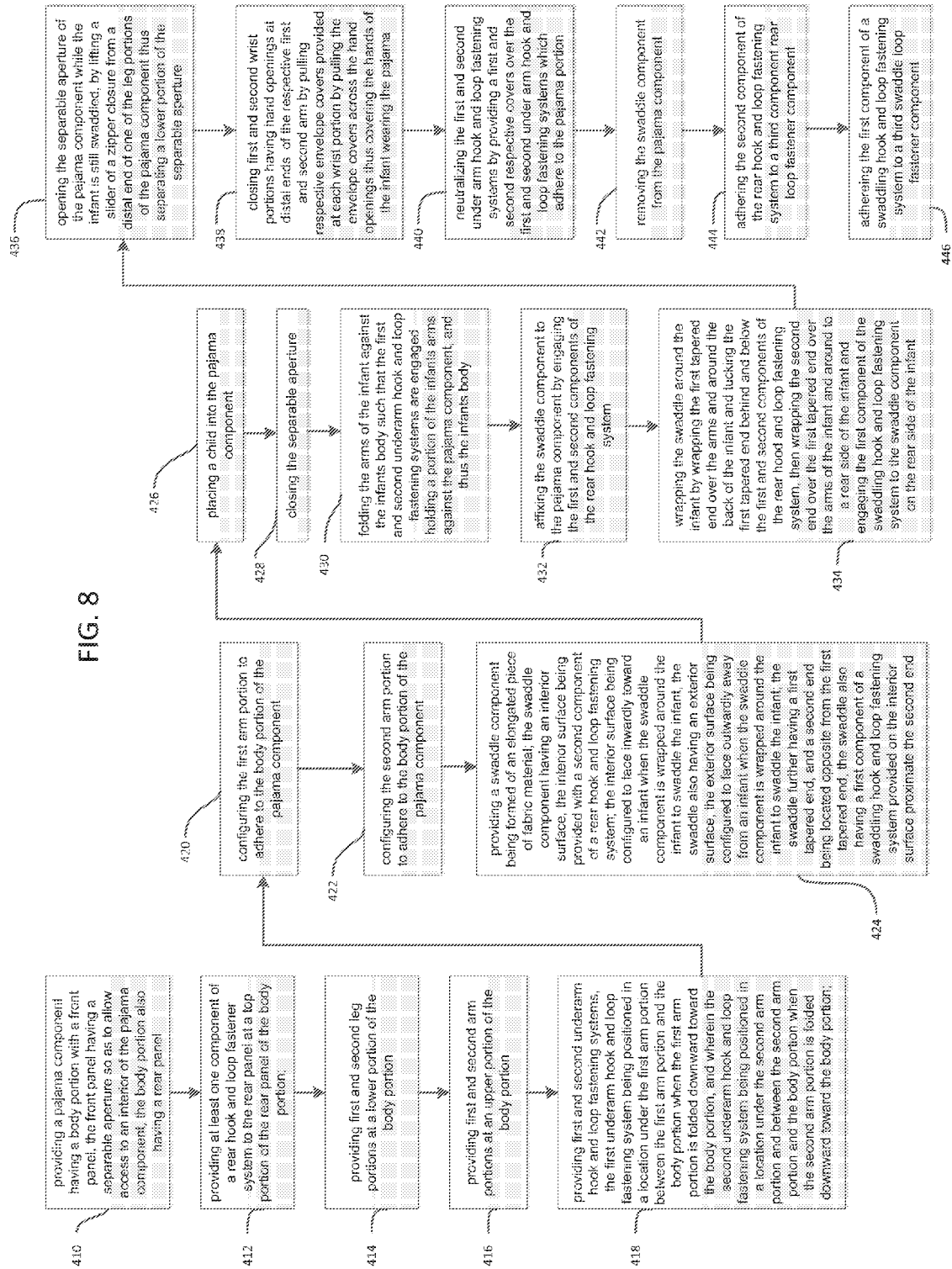
FIG. 5B











## PAJAMA SWADDLING SYSTEM AND ASSOCIATED METHODS

### PRIORITY CLAIM

**[0001]** Priority is claimed to copending U.S. Provisional Patent Application Ser. No. 62/011,781, filed Jun. 13, 2014, which is hereby incorporated herein by reference in its entirety.

### BACKGROUND

**[0002]** 1. Field of the Invention

**[0003]** The present invention relates generally to consumer baby products. More particularly, the present invention relates to a combination pajamas and swaddling system designed for babies or small children.

**[0004]** 2. Related Art

**[0005]** It will be appreciated by those skilled in the art that babies, and in particular young infants, often feel more secure and more comfortable when swaddled. There are many theories regarding the reasons behind this propensity by infants to prefer being swaddled, or otherwise tightly held, but it has become common knowledge that most infants are less fussy and more relaxed when swaddled. As such many different methods and systems have been developed which are intended to provide a sensation of being swaddled to the intended infant. Such systems can include simply wrapping in a blanket and appropriately tucking the blanket into itself around the infant. Other systems can include providing hook and loop fastener components about the blanket such that the blanket can effectively “stick” to itself so as to make it more difficult for the infant to work themselves, or their arms, out of the swaddle.

**[0006]** It will be further appreciated that providing more secure and convenient comfort to infants and their caretakers is a continuing endeavor. The present invention overcomes many of the deficiencies present in the products presently available. Such advantages will be discussed in detail below.

### BRIEF DESCRIPTION OF THE DRAWINGS

**[0007]** Additional features and advantages of the invention will be apparent from the detailed description which follows, taken in conjunction with the accompanying drawings, which together illustrate, by way of example, features of the invention; and, wherein:

**[0008]** FIG. 1 is a front open view of an exemplary embodiment of a swaddling system in accordance with one aspect of the present invention;

**[0009]** FIGS. 2A-B are closed front and back views of the swaddling system shown in FIG. 1;

**[0010]** FIGS. 3A-B are front and back views of a pajama component of the swaddling system of FIG. 1;

**[0011]** FIGS. 4A-B show a pajama component as well as various embodiments of certain components of an underarm hook and loop fastening system for use in the swaddling system of FIG. 1;

**[0012]** FIGS. 5A-B show a sleeve of a pajama component having an envelope wrist closure in open and closed positions;

**[0013]** FIGS. 6A-B illustrate front and back views of a swaddle for use in the swaddling system of FIG. 1;

**[0014]** FIGS. 7A-B illustrate front and back views of a bib attachment for use with the swaddling system of FIG. 1; and

**[0015]** FIG. 8 illustrates a method diagram of a method of using the swaddle systems outlined in the various figures described above.

**[0016]** Reference will now be made to the exemplary embodiments illustrated, and specific language will be used herein to describe the same. It will nevertheless be understood that no limitation of the scope of the invention is thereby intended.

### SUMMARY OF THE INVENTION

**[0017]** One embodiment of the present invention relates to a child pajama swaddling system. The pajama swaddling system includes multiple components, typically including a pajama component and a swaddling component, as well as an optional bib component. The pajama component, the pajama can include a body portion having a front panel and a rear panel. The front panel can have a separable aperture which allows access to an interior of the pajama component. The rear panel can have at least one component of a rear hook and loop fastener system provided at a top portion of the back panel of the body portion. The pajama portion can also have first and second leg portions located at a lower portion of the body portion as well as first and second arm portions located at an upper portion of the body portion. The first and second arm portions can further be provided with first and second underarm hook and loop fastening systems. These first and second underarm hook and loop fastening system being positioned in a location under the respective first and second arm portions between the arm portions and the body portion when the first and second arm portions are folded downward toward the body portion, thus causing the first and second arm portions to adhere to the body portion of the pajama component.

**[0018]** The second component of the child pajama swaddling system includes a swaddle component. The swaddle component can be formed of an elongated piece of fabric material. The swaddle component can include an interior surface, the interior surface being provided with a second component of the rear hook and loop fastening system. This interior surface can be configured to face inwardly toward an infant wearing the pajama when the swaddle component is wrapped around the infant to swaddle the infant. The swaddle component can also include an exterior surface, the exterior surface being configured to face outwardly away from an infant when the swaddle component is wrapped around the infant to swaddle the infant. The swaddle component can be provided with a first tapered end and a second end being located opposite from the first tapered end. A first component of a swaddling hook and loop fastening system can be provided on the interior surface close to the second end.

**[0019]** A third component of the child pajama swaddling system can include a bib which is capable of being affixed to a rear panel of the pajama component, or the swaddle component, and extend to the front of, and underneath the chin of, an infant placed therein.

**[0020]** In another embodiment of the present invention, a method of swaddling a child is contemplated. The method of swaddling a child can include providing swaddling system including a pajama component and a swaddle component, as outlined above. The pajama component can include a body portion with a front panel, the front panel having a separable aperture so as to allow access to an interior of the pajama component, the body portion also having a rear panel. The method can further include providing at least one component of a rear hook and loop fastener system to the rear panel at a

top portion of the back panel of the body portion. Also included in the method the step of providing first and second leg portions at a lower portion of the body portion can be included as well as providing first and second arm portions at an upper portion of the body portion. The method can further include providing first and second underarm hook and loop fastening systems, the first underarm hook and loop fastening system being positioned in a location under the first arm portion between the first arm portion and the body portion when the first arm portion is folded downward toward the body portion, and wherein the second underarm hook and loop fastening system being positioned in a location under the second arm portion and between the second arm portion and the body portion when the second arm portion is folded downward toward the body portion. Then the method can include configuring the first arm portion to adhere to the body portion of the pajama component, and configuring the second arm portion to adhere to the body portion of the pajama component. Then the swaddle component can be provided and wrapped around a child within the pajama component. The swaddle component can be formed of an elongated piece of fabric material. Further, the swaddle component can have an interior surface, the interior surface being provided with a second component of a rear hook and loop fastening system; the interior surface being configured to face inwardly toward the infant when the swaddle component is wrapped around the infant to swaddle the infant. Also, the swaddle can also be provided with an exterior surface, the exterior surface being configured to face outwardly away from an infant when the swaddle component is wrapped around the infant to swaddle the infant. The swaddle can also be provided with a first tapered end, and a second end being located opposite from the first tapered end. The swaddle also having a first component of a swaddling hook and loop fastening system provided on the interior surface proximate the second end.

#### DETAILED DESCRIPTION OF EXAMPLE EMBODIMENT(S)

**[0021]** Any parent who has ever had a child and has had the opportunity to put a newborn baby to sleep will recognize that swaddling a child and keeping that child swaddled for prolonged periods of time can present a particular challenge. Infants, age zero through approximately five months of age, are normally presented with what is called by the medical community as the “Moro reflex.” This is an uncontrollable jerking motion, primarily of the hands and arms that causes the infants to suddenly wake themselves from a sleep. Swaddling provides a secure position of the arms against the infant’s body to keep this reflex from disrupting their sleep. However, infants are generally very squirmy and can “break out” of traditional swaddling methods.

Some products presently in the marketplace utilize oversized blankets, blankets with hook and loop fastening systems which wrap the child’s arms while the body is contained in a sack or pajama style swaddle which acts as a strait jacket keeping the arms fixed to the sides of the body. Some of the deficiencies recognized in the prior art involve the insufficient swaddling capability, lack of proper ergonomic condition, lack of versatility and inability to change diapers without removing the child from the swaddle.

The present invention involves the use of a pajama component used in conjunction with a swaddle component to overcome these and many other deficiencies which exist in the presently available systems that attempt to keep the child’s arms tightly

wrapped. The present invention involves a pajama component that can include a hook and loop fastening system under a portion of each arm of the pajama, the hook and loop fastening system under each arm functions to hold at least the upper portion of the arm against the child’s torso/chest and helps hold the child’s arm’s in an ergonomic hands-to-heart position wherein the hands are folded or close together on the child’s chest.

Upon placing the child’s arms into the hands-to-heart position, or any other desired position, a separate swaddle portion can then be used to swaddle the child within the pajamas and further constrain the arms into the desired orientation. The pajama portion can be provided with one component of a rear hook and loop fastening system on a back panel which is configured to engage or otherwise adhere to a corresponding second component on the swaddle portion. In this manner the swaddle portion can actually be “stuck” to the pajamas, thus ensuring a relative positioning between the two components. Further the swaddle can have another swaddling hook and loop fastening system about at least one end which allows the swaddle component to “stick” to itself. Using this swaddling hook and loop fastening system allows a user to wrap the swaddle component around the child and ensure, to a certain degree, that the swaddle component will stay tightly wrapped around the child, and will not work free in the same manner as simple tucking of a normal blanket often does upon squirming or other shifting by the child within the swaddle. The swaddle portion wraps only around the torso of the infant allowing the hips and legs free to be in flexion, which is the natural and safe position for infants.

There are several more advantages the present invention has over swaddles currently available. The present invention has the ability to be used in the transitional stage of weaning the infant from the swaddle. The hook and loop fastening system which secures the arm to the torso/chest of the infant can be used without the addition of the swaddle component in a less secure fashion. This method will reduce the uncontrollable arm movements while allowing the infant to adjust to the less confined sleeping arrangement. Also, the bib component allows the parent or caregiver to adhere and remove a bib without lifting or disrupting the sleeping position of the infant. Another advantage of the present invention is the ability to hold the infant in a baby carrier or harness the infant into a three or five point harness system such as a swing or bouncer seat while swaddled.

FIGS. 1-2 depict a swaddling system, shown generally at **10**, in accordance with one embodiment of the present invention. The swaddling system **10** includes a pajama component **100**, and a swaddle component, **200**, to be used in conjunction with one another as discussed above.

**[0022]** FIGS. 3-5 show the pajama component **100** in more detail. The pajama component **100** includes a body portion **110**. The body portion has a front panel **114** and a rear panel **132**. The front panel **114** has a separable aperture **118** formed therein which allows for the body portion **110** to be opened and a child placed therein. The rear panel **132** can be provided with one or more component **140** of a rear hook and loop fastener system **138** affixed to the rear panel **132**. It has been recognized by the inventor that some advantage can be gained by placing this hook and loop component **140** at a top portion **134** of the rear panel **132** of the body portion. By placing this hook and loop component **140** at the top portion **134**, the rear hook and loop fastening system can engage with a corresponding component located about the swaddle portion **200**,

at an upper portion of the torso below but below the neck of the child wearing the pajama portion **100**. By requiring the hook and loop component a certain distance below the neck portion of the pajama it allows the swaddle portion **200** to attach to it and thus resist working its way upward and potentially restrict child's ability to breath and thereby result in a choking hazard to the child as the child moves or otherwise causes the swaddle portion **200** to shift while swaddled.

[0023] The pajama portion **100** can further be provided with first and second leg portions, **144** and **150** respectively, the leg portions being located at a lower portion of the body portion **110**. The leg portions **144** and **150** can be provided as closed footed type pajama feet or alternatively have open feet with ankle cuffs. It will be recognized by one of ordinary skill that choosing between one versus the other style of foot is a matter of personal preference and can be chosen based on the comforts or preferences of the child wearing the pajama portion.

[0024] The pajama portion **100** can also be provided with first and second arm portions, **156** and **170** respectively, the arm portions **156** and **170** being located at an upper portion of the body portion **110**. Each of the first and second arm portions **156** and **170** can be provided with a respective underarm hook and loop fastening system **250** and **260** respectively, the first underarm hook and loop fastening system **250** being positioned in a location under the first arm portion **156** and between the first arm portion **156** and the body portion **110** when the first arm portion **156** is folded downward toward the body portion. In this manner the first arm portion **156** can be caused to adhere to the body portion **110** of the pajama component **100**. The second underarm hook and loop fastening system **260** can be similarly positioned in a location under the second arm portion **170** and between the second arm portion **170** and the body portion **110** when the second arm portion **170** is folded downward toward the body portion **110**, thus causing the second arm portion **170** to adhere to the body portion **110** of the pajama component **100**.

[0025] It will be appreciated that a first component **252** of the first underarm hook and loop fastening system **250** can be located beneath an upper arm portion of the first arm portion **156** leaving the forearm section of the first arm portion **156** free to bend upwards toward the chest of the child. The first component **252** can be configured to engage a second component **254** of the first underarm hook and loop fastening system **250** located on the side or flank of the body portion **110**. Similarly a first component **262** of the second underarm hook and loop fastening system **260** can be located beneath an upper arm portion of the second arm portion **170** leaving the forearm section of the second arm portion **170** free to bend upwards toward the chest of the child. The first component **262** can be configured to engage a second component **264** of the second underarm hook and loop fastening system **260** located on an opposing side or flank of the body portion **110**.

[0026] It will be appreciated that as an infant grows, that often they might outgrow the necessity of keeping the infant's arms completely contained. For this purpose the pajama component can be provided with first and second underarm covers **266** and **270** respectively. The underarm covers being attached to the body portion **110** of the pajama component, the covers being configured to cover their respective component of each of the first and second underarm hook and loop fastening systems **250** and **260** respectively. In this manner covers can prevent the first and second underarm hook and loop fastening systems **250** and **260** from engaging with their

respective first and second arm portions **156** and **170** respectively. These underarm covers **266** and **270** covers can permanently affixed about a portion of their perimeters and releasably affixed about another portion of each of their perimeters such that they can be folded away to expose their respective components of each of the first and second underarm hook and loop fastening systems **250** and **260**.

[0027] It will be appreciated that the illustrated embodiments of the present invention utilize one of two methods for releasably affixing a flap portion of the covers **266** and **270**. The first method being a series of button snaps wherein each of the first and second underarm covers **266** and **270** is provided with a series of first components **276** of a plurality of snap fasteners, the series of first components **276** being located about a portion of the perimeter of each of the underarm covers **266** and **270**, and wherein the body portion **110** of the pajama component **100** has a series of second components **280** of the plurality of snap fasteners located about the underarm hook and loop fastening system such that engaging the snaps will cause the cover to cover one or more component of the underarm hook and loop fastening system. The second method includes providing a third component **268** and **272** of the underarm hook and loop fastening system on an interior portion of each respective cover, such that the user need merely separate or attach the hook and loop fastening components so as to cover up the component located on the flank of the body portion **110**. Additionally, it will be appreciated that other methods of releasably attaching a flap or cover might be recognized by one of ordinary skill in the art, but such variations would not depart from the scope of the present invention. The depicted methods are for exemplary purposes only.

[0028] While the depicted embodiment of the present invention shows the underarm hook and loop fastening systems **250** and **260** under only an upper portion of each arm, it would also be within the scope of the present invention to provide hook and loop fastening systems along the entire length, a majority, or any desirable portion, of both arm portions **156** and **170** and along the front panel **114** as well as along the flanks of the body portion **110**. However, some advantage has been realized by placing the underarm hook and loop fastening system along a majority of the arm from the cuff of the wrist to above the elbow.

[0029] FIG. 6 illustrates a swaddle for use in the swaddling system of FIGS. 1-2. The swaddle component **200** can be formed of an elongated piece of fabric material. While it will be appreciated that many materials might be adequate for use as a swaddle component **200**, that certain advantages have been recognized arising from the use of breathable elastic materials which can include but are not limited to Rayon from bamboo, Lycra™, or a Spandex™ mix. Other fabrics can also be utilized with some measure of success, including felts or looped cottons, depending on the time of year and the amount of insulation desired. Certain looped or textured fabrics can provide a surface onto which a hook side of a hook and loop fastener can attach, thus eliminating the need for providing an additional loop side onto which the hook side can attach.

[0030] The swaddle component **200** can be provided with an interior surface **210**, the interior surface being provided with a second component **238** of the rear hook and loop fastening system **138**. It will be appreciated that the interior surface is configured to face inwardly toward an infant when the swaddle component **200** is wrapped around the infant to swaddle the infant, or in other words radially inward. In this

manner the second component **238** of the rear hook and loop fastening system **138** can engage the first component **140** of the rear hook and loop fastening system so as to provide a secure connection between the swaddle component **200** and the pajama component **100** such that the swaddle component **200** stays fixed in relative position to the pajama component **100**. The rear hook and loop fastening system **138** thus prevents the swaddle component **200** from creeping upward and presenting a smothering or choking hazard to the child/infant as the infant moves while swaddled. This hook and loop system is of great advantage over loose blankets which loose blankets rely merely on friction to resist the shifting up and around the neck or over the mouth of the infant and thus presenting a suffocation risk.

[0031] It will be appreciated that the swaddle component **200** will also have an exterior surface **214**, the exterior surface **214** being configured to face outwardly away from an infant when the swaddle component **200** is wrapped around the infant to swaddle the infant, or in other words radially outward.

[0032] The swaddle component **200** can further be provided with a first tapered end **222**; The tapered end **222** can be configured to taper down and away from the top edge in such a manner that a point of the tapered end **222** will have a portion which extends below the first and second components of the rear hook and loop fastening system when engaged one with another, i.e. **140** and **238** respectively, such that the tapered end **222** is securely tucked between the pajama component **100** and the swaddle component **200** when swaddling the infant and does not interfere with the engagement of the rear hook and loop fastening system.

[0033] Additionally the swaddle component **200** can include a second end **226** being located opposite from the first tapered end **222**. The second end **226** can be provided with a first component **232** of a swaddling hook and loop fastening system **230** provided on the interior surface proximate the second end **226**.

[0034] One of the major drawbacks from using a normal blanket as a swaddle is that in order to secure itself, the blanket must be tucked into itself and can often work itself free through struggling or other motion from the child.

[0035] It will be appreciated, that with certain non-looped types of fabric, that a second component **234** of the swaddling hook and loop fastening system **230** can be provided on the exterior surface **214** of the swaddle component **200**, the second component **234** of the swaddling hook and loop fastening system **230** can be configured to engage the first component **232** of the swaddling hook and loop fastening system when the swaddling component **200** is wrapped around the infant so as to prevent the swaddle component **200** from unwrapping.

[0036] The present invention also contemplates the use of a bib accessory **300**, as shown in FIGS. 7A-B, for use with the swaddling system of the present invention. The bib **300**, can be provided with a front panel **304** and a rear panel **306**, the bib **300** sized and shaped so as to fit onto the chest and under the chin of the child/infant, the bib **300** having a pair of extensions **308** extending from an upper portion of the bib **300**. The pair of extensions **308** can each have a first component **316** of a bib hook and loop fastening system **312** affixed to distal ends. The bib hook and loop fastening system **312** being configured to engage the rear hook and loop fastener system **138** affixed to the rear panel **132** of the body portion **110** of the pajama component **100**. The bib **300** can then be secured under the infant's chin without being secured around

the infant's neck. In this manner the bib can protect the swaddle and pajama components from being soiled from spitting up or merely spilling or leaking during feeding and thus necessitating changing, as infants will often feed while swaddled.

[0037] The bib extensions **308** extend over the infants shoulders and engage the second component **234** of a swaddle hook and loop fastening system which is located on the exterior surface **214** of the central portion **218** of the swaddle **200**. In this manner the bib **300** can be easily provided as a cover to the swaddling system while is still easily removable.

[0038] The bib extensions also include third component **318** of a bib hook and loop fastening system wherein the first and third components can be engaged one with another such that neither component is exposed during the laundering process, so as to prevent one or the other component from engaging other garments in a washing machine for example, and thus damaging itself or the other garment with any exposed components. When not in use, the bib can be attached to the rear panel of the pajama component and thereby stored in a secure location via the bib hook and loop fastening system for later use.

[0039] Another common problem encountered by parents or caretakers and infants is that once the infant is swaddled, it is not advantageous to remove the infant from the swaddle while the infant is sleeping or falling asleep. Such a need often arises if the infant soils the diaper being worn under the pajama component **100**. Applicant has therefore recognized that providing the ability to access lower end of the pajama portion **100** without removing the infant from the swaddle component **200** and the pajama component, and thus increasing the likelihood of waking the infant is highly desirable. Another advantage realized by having unhindered, or otherwise separable legs includes allowing the child to be properly placed or buckled into 3-point harness systems which are standard in child safety seats in automobiles or alternatively many child carrier systems, i.e. wraps, backpacks, chest backs, require the legs of the child to extend into separated holes. The present invention allows for the child to be swaddled and safely placed into such harnesses and carriers, while further decreasing the likelihood of waking while in such systems.

[0040] Therefore, another aspect of one embodiment of the present invention includes the use of a closing mechanism of the separable aperture **118** which allows access from the bottom of the aperture **118**. The present embodiment includes the use of a zipper closure **122** that operates to open and close the separable aperture **118** of the pajama component **100**. The zipper closure can be provided with one or more slider **126** and **128**. It will be further appreciated that at least one of these sliders, i.e. **128**, is closed when pulled to a bottom portion of the separable aperture **118**. The separable aperture **118** can then be opened by sliding the slider **128** in an upward direction. It will be appreciated that the separable aperture **118** can also be opened by sliding slider **126** from the top in a downward direction. Alternatively only a single slider **128** can be provided at a bottom side and the wherein the slider **128** must be zipped all the way to the top in order to fully separate the two sides of the zipper closure **122**. Although not shown, it will be appreciated that similar functionality can be achieved by providing snap buttons to close the separable aperture **118** or typical buttons and button holes. Either method would allow for bottom access into the pajama component **100**.

[0041] Another aspect of the present embodiment of the present invention involves the use of the swaddle component 200. More particularly, the swaddle portion 200 is provided as an elongated length of fabric having a first tapered end 222. The tapered end of the swaddle component tapers from a top portion and terminates in a wedge or a point toward the central or lower portion of the swaddle component. This tapered end is configured to be used in conjunction with the second component 238 of the rear hook and loop 138 fastening system located on the central portion 218 of the interior surface 210 of the swaddle component. In the embodiment shown, the second component 238 can be provided as an elongated strip located about a top edge of the swaddle. This allows for the first tapered end 222 of the swaddle component 200 to be tucked under and behind the infant and avoid interfering with the engagement of the first and second components, 140 and 238 respectively, of the rear hook and loop fastening system 138.

[0042] Yet another aspect of one embodiment of the present invention involves a set of hand protectors or envelope covers, 166 and 180, which can be provided on the distal ends, 160 and 174 respectively, of the first and second wrist portions, 162 and 176 respectively. Such envelope covers are provided such that the hands of the infant can be easily covered or uncovered, such that the envelope covers 166 and 180 can be pulled across the hand openings, 164 and 178, about their respective wrist portions 162 and 176 respectively and over the hands so as to prevent the infant from scratching his/her face, and also keep the hands warm and insulated.

[0043] Another aspect of the present invention involves the use of additional loop fastener components located near or around each of the hook components of the various hook and loop fastening systems. One of ordinary skill will recognize that when laundering hook and loop fastening systems, i.e. Velcro™, that the hook side can engage and damage other pieces of clothing during normal laundering processes. Therefore, in the present embodiment, Applicant has provided third loop components 242 and 246 for attaching the hook components of each of the rear hook and loop fastening systems and the swaddling hook and loop fastening systems. These third components provide a place to which each of the hook components of the hook and loop fastening systems can be “stuck” so that they are already engaged to something rather than being exposed so as to prevent them from interfering with other garments or fabrics laundered alongside them.

[0044] In yet another aspect of the present invention, a method 400 of swaddling a child using the system of the present invention is contemplated. This method can include providing a pajama component having a body portion with a front panel. The front panel can be provided with a separable aperture so as to allow access to an interior of the pajama component. The body portion can also have a rear panel 410. The child being placed inside the pajama between the front and rear panels

[0045] Further, the method can include the step of, providing at least one component of a rear hook and loop fastener system to the rear panel at a top portion of the rear panel of the body portion 412. This method can include a step of, providing first and second leg portions at a lower portion of the body portion 414 and providing first and second arm portions at an upper portion of the body portion 416.

[0046] Then the pajama portion can be provided with first and second underarm hook and loop fastening systems 418,

the first underarm hook and loop fastening system being positioned in a location under the first arm portion between the first arm portion and the body portion when the first arm portion is folded downward toward the body portion, and wherein the second underarm hook and loop fastening system being positioned in a location under the second arm portion and between the second arm portion and the body portion when the second arm portion is folded downward toward the body portion. The first arm portion can then be configured to adhere to the body portion of the pajama component 420 and also the second arm portion can be configured to adhere to the body portion of the pajama component 422.

[0047] The method can further include providing a swaddle component being formed of an elongated piece of fabric material 424, the swaddle component having an interior surface, the interior surface being provided with a second component of a rear hook and loop fastening system. It should be noted that the interior surface is configured to face inwardly toward an infant when the swaddle component is wrapped around the infant. Also then, the swaddle also will have an exterior surface, the exterior surface being configured to face outwardly away from an infant when the swaddle component is wrapped around the infant.

[0048] The swaddle can also be provided with a first tapered end, and a second end being located opposite from the first tapered end. The swaddle also having a first component of a swaddling hook and loop fastening system provided on the interior surface proximate the second end.

[0049] The method can then include placing a child into the pajama component 426; closing the separable aperture 428; folding the arms of the infant against the infant's body such that the first and second underarm hook and loop fastening systems are engaged holding a portion of the infant's arms against the pajama component 430, and thereby fastening the infant's arms to the infant's body; affixing the swaddle component to the pajama component by engaging the first and second components of the rear hook and loop fastening system 432; and wrapping the swaddle around the infant by wrapping the first tapered end over the arms and around the back of the infant and tucking the first tapered end behind and below the first and second components of the rear hook and loop fastening system, then wrapping the second end over the first tapered end over the arms of the infant and around to a rear side of the infant and engaging the first component of the swaddling hook and loop fastening system to the swaddle component on the rear side of the infant 434.

[0050] If the infant needs to have his/her diaper changed, then the method of swaddling a child can further include opening the separable aperture of the pajama component while the infant is still swaddled 436 by lifting a slider of a zipper closure from a distal end of one of the leg portions of the pajama component thus separating a lower portion of the separable aperture.

[0051] As discussed above, in order to prevent the infant from scratching his/her face, the method can further include the step of closing first and second wrist portions having hand openings at distal ends of the respective first and second arm by pulling respective envelope covers provided at each wrist portion by pulling the envelope covers across the hand openings thus covering the hands of the infant wearing the pajama 438.

[0052] Alternative steps, depending on the embodiment of the system employed can further include: neutralizing the first and second under arm hook and loop fastening systems

by providing a first and second respective covers over the first and second under arm hook and loop fastening systems which adhere to the pajama portion **440**.

**[0053]** Additionally, as discussed above, a method of preparing and cleaning the swaddling system for further use can include the steps of removing the swaddle component from the pajama component **442**; adhering the second component of the rear hook and loop fastening system to a third component rear loop fastener component **444**; and adhering the first component of a swaddling hook and loop fastening system to a third swaddle loop fastener component **446**.

**[0054]** It will be appreciated that the pajama swaddling system of the present invention also enables the child to grow, and as the child gains more command and control over their limbs that the pajama component can be used with only the bib, and eliminate the need for the swaddle, while maintaining the ability to give some feeling of swaddling by using only the underarm hook and loop fastening system of the pajama component.

**[0055]** While the forgoing examples are illustrative of the principles of the present invention in one or more particular applications, it will be apparent to those of ordinary skill in the art that numerous modifications in form, usage and details of implementation can be made without the exercise of inventive faculty, and without departing from the principles and concepts of the invention. Accordingly, it is not intended that the invention be limited, except as by the claims set forth below.

**1. A child pajama swaddling system, comprising:**

a pajama component, the pajama component further comprising:

a body portion having a front panel, the front panel having a separable aperture so as to allow access to an interior of the pajama component, the body portion also having a rear panel, the rear panel having at least one component of a rear hook and loop fastener system affixed to the rear panel at a top portion of the rear panel of the body portion;

first and second leg portions located at a lower portion of the body portion;

first and second arm portions located at an upper portion of the body portion; and

first and second underarm hook and loop fastening systems, the first underarm hook and loop fastening system being positioned in a location under the first arm portion and between the first arm portion and the body portion when the first arm portion is folded downward toward the body portion, thus causing the first arm portion to adhere to the body portion of the pajama component, the second underarm hook and loop fastening system being positioned in a location under the second arm portion and between the second arm portion and the body portion when the second arm portion is folded downward toward the body portion, thus causing the second arm portion to adhere to the body portion of the pajama component; and

a swaddle component being formed of an elongated piece of fabric material; the swaddle component further comprising:

an interior surface, the interior surface being provided with a second component of the rear hook and loop fastening system; the interior surface being config-

ured to face inwardly toward an infant when the swaddle component is wrapped around the infant to swaddle the infant;

an exterior surface, the exterior surface being configured to face outwardly away from an infant when the swaddle component is wrapped around the infant to swaddle the infant;

a first tapered end;

a second end being located opposite from the first tapered end; and

a first component of a swaddling hook and loop fastening system provided on the interior surface proximate the second end.

**2. The child pajama swaddling system of claim 1, wherein a second component of the swaddling hook and loop fastening system is provided on the exterior surface, the second component of the swaddling hook and loop fastening system being configured to engage the first component of the swaddling hook and loop fastening system when the swaddling component is wrapped around the infant so as to prevent the swaddle component from unwrapping.**

**3. The child pajama swaddling system of claim 1, further comprising:**

a bib, the bib having a front panel sized and shaped so as to fit onto the chest and under the chin of the infant, the bib having a pair of extensions extending from an upper portion, the pair of extensions each having at least one component of a bib hook and loop fastening system affixed to distal ends, the component of the hook and loop fastening system being configured to engage the at least one component of the rear hook and loop fastener system affixed to the rear panel of the body portion of the pajama component.

**4. The child pajama swaddling system of claim 1, further comprising first and second underarm covers being attached to the body portion of the pajama component, the covers being configured to cover one of the components of each of the first and second underarm hook and loop fastening systems thus preventing the first and second underarm hook and loop fastening systems from engaging with first and second arm portions, and wherein the first and second underarm covers can be folded away to expose respective components of each of the first and second underarm hook and loop fastening systems.**

**5. The child pajama swaddling system of claim 4, wherein each of the first and second underarm covers is provided with a cover component having a third component of the underarm hook and loop fastening system on an interior surface, the third component of the hook and loop fastening system configured to engage and adhere to a component of the underarm hook and loop fastening system of the pajama.**

**6. The child pajama swaddling system of claim 4, wherein each of the first and second underarm covers is provided with a series of first components of a plurality of snap fasteners, the series of first components being located about a portion of the perimeter of each of the underarm covers, and wherein the body portion of the pajama component has a series of second components of the plurality of snap fasteners located about the underarm hook and loop fastening system such that engaging the snaps will cause the cover to cover one or more component of the underarm hook and loop fastening system.**

**7. The child pajama swaddling system of claim 1, wherein the separable aperture comprises a zipper closer, the zipper closure having a plurality of sliders, at least one slider being**

located at an upper end and at least one slider being located at lower end when in a closed position.

**8.** The child pajama swaddling system of claim 1, wherein the separable aperture comprises a zipper closer, the zipper closure having a slider located at a lower end when in a closed position.

**9.** The child pajama swaddling system of claim 1, wherein the tapered end of the swaddle component tapers from a top portion and terminates in a wedge proximal a central portion.

**10.** The child pajama swaddling system of claim 1, wherein the second component of the rear hook and loop fastening system is located on the interior portion of the swaddle component is provided as an elongated strip about a top edge of the swaddle.

**11.** The child pajama swaddling system of claim 1, wherein the first and second arm portions terminate in respective first and second wrist portions having hand openings at distal ends, the first and second wrist portions each being provided with respective envelope covers, the envelope covers being configured to be pulled across the hand openings thus covering the hands of the infant wearing the pajama.

**12.** The child pajama swaddling system of claim 1, further comprising:

- a third rear loop fastener components provided proximal the second component of the rear hook and loop fastener system;

- and a third swaddle loop fastener component provided proximal first component of the swaddle hook and loop fastener system.

**13.** A method of swaddling a child, comprising:

- providing a pajama component having a body portion with a front panel, the front panel having a separable aperture so as to allow access to an interior of the pajama component, the body portion also having a rear panel;

- providing at least one component of a rear hook and loop fastener system to the rear panel at a top portion of the rear panel of the body portion;

- providing first and second leg portions at a lower portion of the body portion;

- providing first and second arm portions at an upper portion of the body portion;

- providing first and second underarm hook and loop fastening systems, the first underarm hook and loop fastening system being positioned in a location under the first arm portion between the first arm portion and the body portion when the first arm portion is folded downward toward the body portion, and wherein the second underarm hook and loop fastening system being positioned in a location under the second arm portion and between the second arm portion and the body portion when the second arm portion is folded downward toward the body portion;

- configuring the first arm portion to adhere to the body portion of the pajama component;

- configuring the second arm portion to adhere to the body portion of the pajama component;

- providing a swaddle component being formed of an elongated piece of fabric material; the swaddle component having an interior surface, the interior surface being provided with a second component of a rear hook and loop fastening system; the interior surface being configured to face inwardly toward an infant when the swaddle component is wrapped around the infant to swaddle the infant, the swaddle also having an exterior surface, the

exterior surface being configured to face outwardly away from an infant when the swaddle component is wrapped around the infant to swaddle the infant; the swaddle further having a first tapered end, and a second end being located opposite from the first tapered end, the swaddle also having a first component of a swaddling hook and loop fastening system provided on the interior surface proximate the second end.

**14.** The method of swaddling a child of claim 13, further comprising:

- placing a child into the pajama component;

- closing the separable aperture;

- folding the arms of the infant against the infants body such that the first and second underarm hook and loop fastening systems are engaged holding a portion of the infants arms against the pajama component, and thereby fastening the infant's arms to the infant's body;

- affixing the swaddle component to the pajama component by engaging the first and second components of the rear hook and loop fastening system; and

- wrapping the swaddle around the infant by wrapping the first tapered end over the arms and around the back of the infant and tucking the first tapered end behind and below the first and second components of the rear hood and loop fastening system, then wrapping the second end over the first tapered end over the arms of the infant and around to a rear side of the infant and engaging the first component of the swaddling hook and loop fastening system to the swaddle component on the rear side of the infant.

**15.** The method of swaddling a child of claim 14, further comprising:

- opening the separable aperture of the pajama component while the infant is still swaddled, by lifting a slider of a zipper closure from a distal end of one of the leg portions of the pajama component thus separating a lower portion of the separable aperture.

**16.** The method of swaddling a child of claim 14, further comprising:

- closing first and second wrist portions having hand openings at distal ends of the respective first and second arm by pulling respective envelope covers provided at each wrist portion by pulling the envelope covers across the hand openings thus covering the hands of the infant wearing the pajama.

**17.** The method of swaddling a child of claim 13, further comprising:

- neutralizing the first and second under arm hook and loop fastening systems by providing a first and second respective covers over the first and second under arm hook and loop fastening systems which adhere to the pajama portion.

**18.** The method of swaddling a child of claim 14, further comprising:

- removing the swaddle component from the pajama component;

- adhering the second component of the rear hook and loop fastening system to a third component rear loop fastener component; and

- adhering the first component of a swaddling hook and loop fastening system to a third swaddle loop fastener component.



19. A child pajama swaddling system, comprising:

a pajama component, the pajama component further comprising:

a body portion having a front panel, the front panel having a separable aperture so as to allow access to an interior of the pajama component, the body portion also having a rear panel, the rear panel having at least one component of a rear hook and loop fastener system affixed to the rear panel at a top portion of the back panel of the body portion, wherein the separable aperture comprises a zipper closer, the zipper closure having a slider located at a lower end when in a closed position;

first and second leg portions located at a lower portion of the body portion;

first and second arm portions located at an upper portion of the body portion, wherein the first and second arm portions terminate in respective first and second wrist portions having hand openings at distal ends, the first and second wrist portions each being provided with respective envelope covers, the envelope covers being configured to be pulled across the hand openings thus covering the hands of the infant wearing the pajama; and

first and second underarm hook and loop fastening systems, the first underarm hook and loop fastening system being positioned in a location under the first arm portion and between the first arm portion and the body portion when the first arm portion is folded downward toward the body portion, thus causing the first arm portion to adhere to the body portion of the pajama component, the second underarm hook and loop fastening system being positioned in a location under the second arm portion and between the second arm portion and the body portion when the second arm portion is folded downward toward the body portion, thus causing the second arm portion to adhere to the body portion of the pajama component;

a swaddle component being formed of an elongated piece of fabric material; the swaddle component further comprising:

an interior surface, the interior surface being provided with a second component of a rear hook and loop fastening system; the interior surface being configured to face inwardly toward an infant when the swaddle component is wrapped around the infant to swaddle the infant, wherein the second component of a rear hook and loop fastening system located on the

interior portion of the swaddle component is provided as an elongated strip about a top edge of the swaddle; an exterior surface, the exterior surface being configured to face outwardly away from an infant when the swaddle component is wrapped around the infant to swaddle the infant;

a first tapered end, wherein the tapered end of the swaddle component tapers from a top portion and terminates in a wedge proximal a central portion;

a second end being located opposite from the first tapered end; and

a first component of a swaddling hook and loop fastening system provided on the interior surface proximate the second end;

a bib, the bib having a front panel sized and shaped so as to fit onto the chest and under the chin of the infant, the bib having a pair of extensions extending from an upper portion, the pair of extensions each having at least one component of a hook and loop fastening system affixed to distal ends, the component of the hook and loop fastening system being configured to engage the at least one component of a rear hook and loop fastener system affixed to the rear panel of the body portion of the pajama component;

first and second underarm covers being attached to the body portion of the pajama component, the covers being configured to cover one of the components of each of the first and second underarm hook and loop fastening systems thus preventing the first and second underarm hook and loop fastening systems from engaging with first and second arm portions, and wherein the first and second underarm covers can be folded away to expose their respective components of each of the first and second underarm hook and loop fastening systems;

wherein a second component of the swaddling hook and loop fastening system is provided on the exterior surface, the second component of the swaddling hook and loop fastening system being configured to engage the first component of the swaddling hook and loop fastening system when the swaddling component is wrapped around the infant so as to prevent the swaddle component from unwrapping; and

wherein each of the first and second underarm covers is provided with a component of a hook and loop fastening system on an interior surface, the component of the hook and loop fastening system of the cover configured to engage and adhere to a component of the underarm hook and loop fastening system of the pajama.

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