



US 20070161330A1

(19) **United States**(12) **Patent Application Publication**
Whitehead et al.(10) **Pub. No.: US 2007/0161330 A1**(43) **Pub. Date: Jul. 12, 2007**(54) **HANDS FREE BREAST PUMP BRA****Publication Classification**(76) Inventors: **Ernest Rodolfo Whitehead**, Pittsburg,
CA (US); **Juanita Ruth Whitehead**,
Pittsburg, CA (US)(51) **Int. Cl.**
A41C 3/04 (2006.01)
(52) **U.S. Cl.** **450/36**

Correspondence Address:

Ernest R. Whitehead**#460****640 Bailey Road****Pittsburg, CA 94565 (US)**(21) Appl. No.: **10/940,271**(22) Filed: **Sep. 14, 2004****Related U.S. Application Data**(60) Provisional application No. 60/598,218, filed on Aug.
3, 2004.**ABSTRACT**

Hands Free Breast Pump Bra comprises a side bra opening with a circular opening at the center for easily inserting and securing the suction cup in place while also supporting a woman's breast. A bra comprises cotton, elastic cloth, and nylon with or without underwire. The Hands Free Breast Pump Bra is designed to provide a hands free experience for nursing mothers to perform other tasks while using a breast pump device. This is a special time in a woman's life and it will be important to have a comfortable nursing bra. As a result, there exists a need for a handsfree breast pump bra that will make life easier for the nursing mother while expressing milk for her newborn. Furthermore, there exists a need for such bra that is washable, and practical, which can be worn outside the home with an areola cup, which is convenient for pumping when needed.

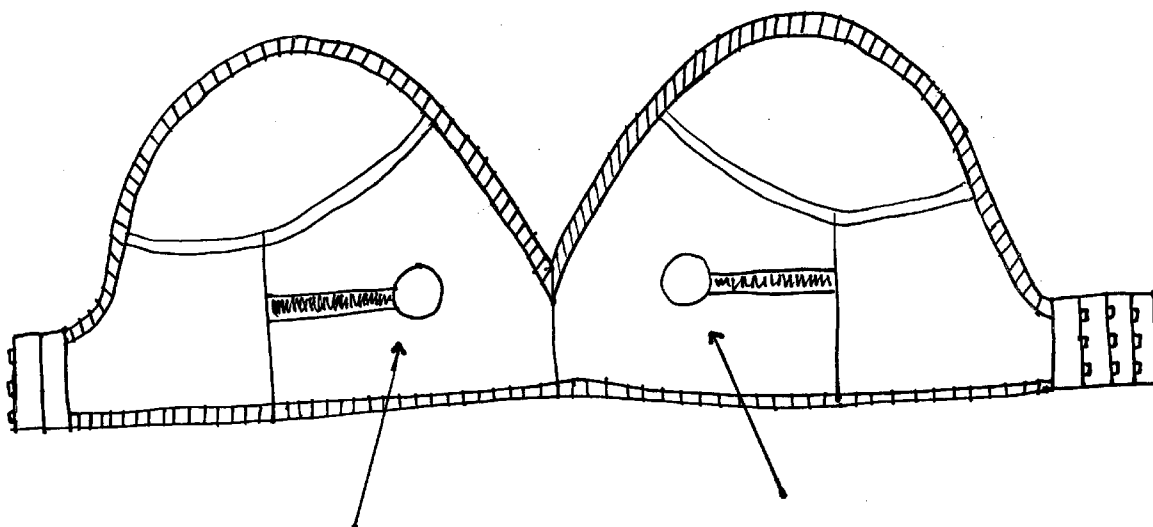


Fig. 1

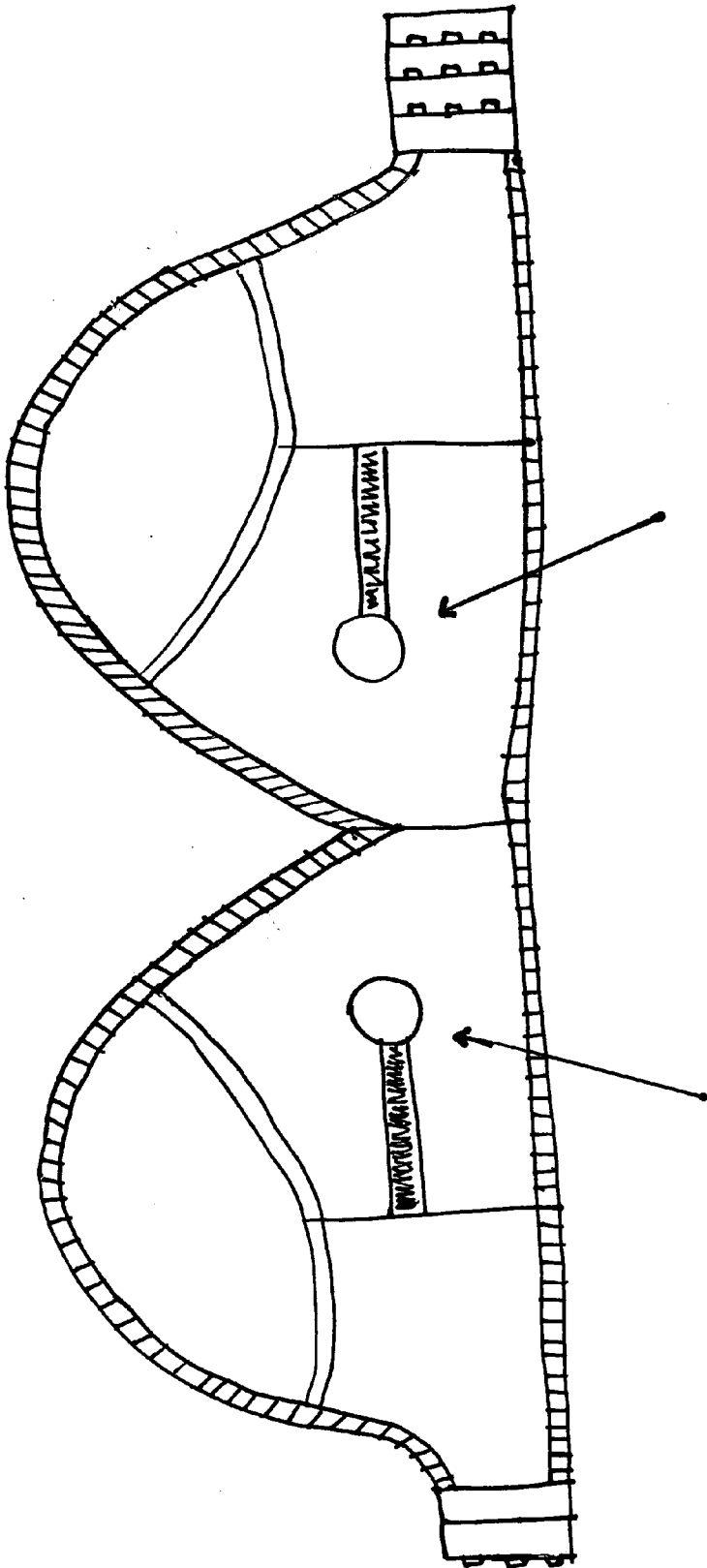


FIG-2

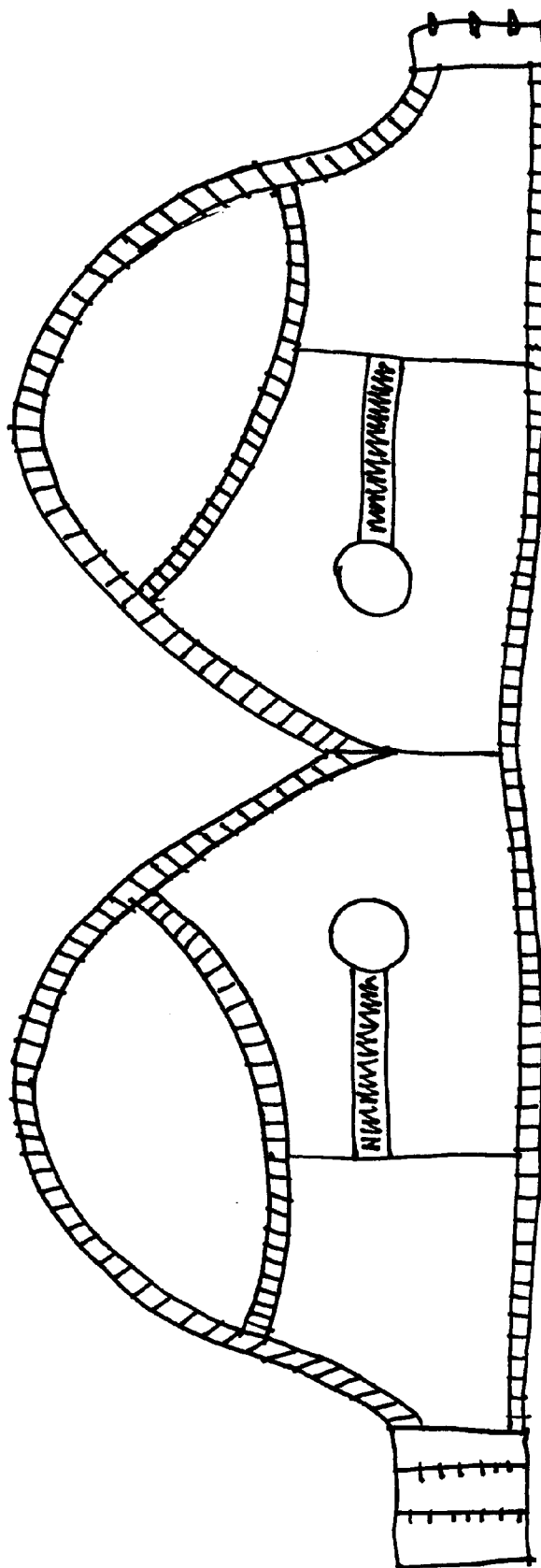
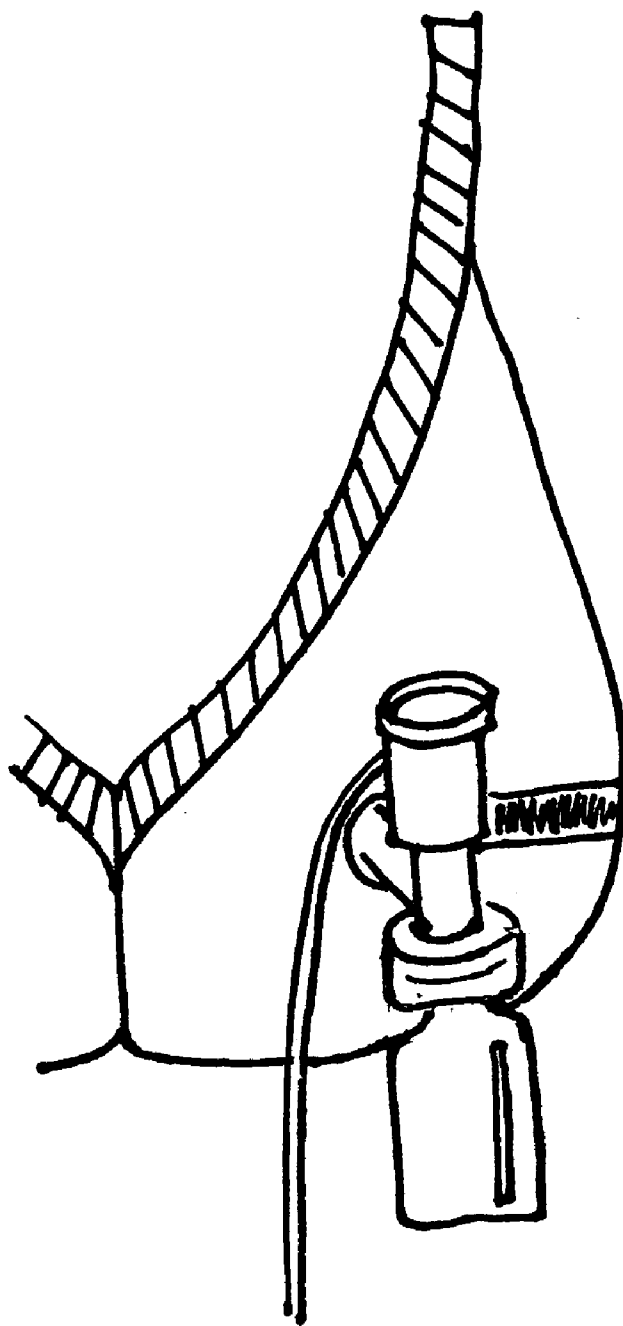


FIG-3



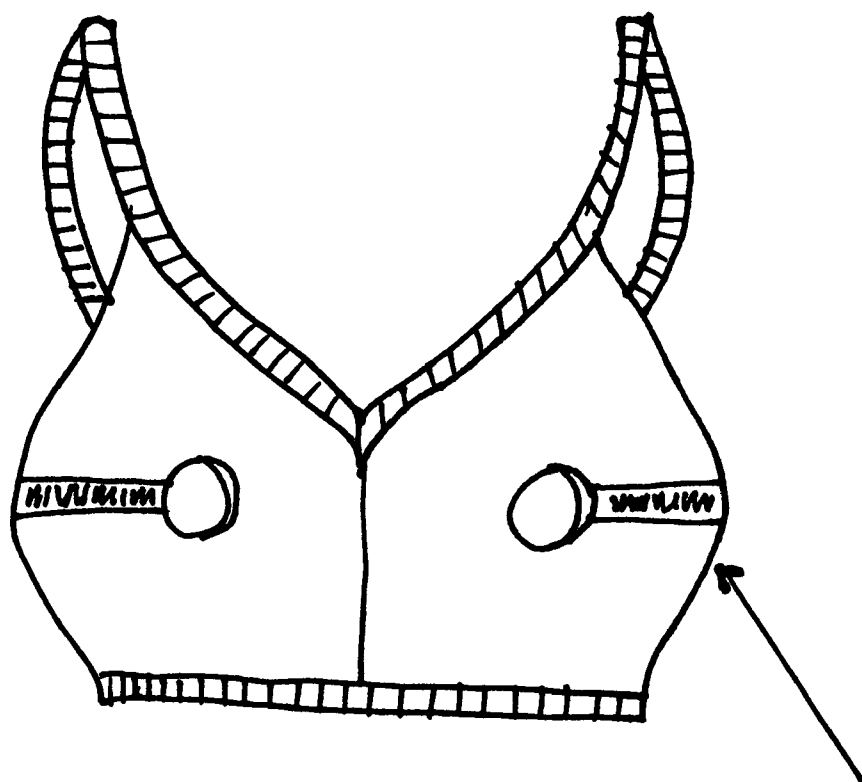


FIG-4

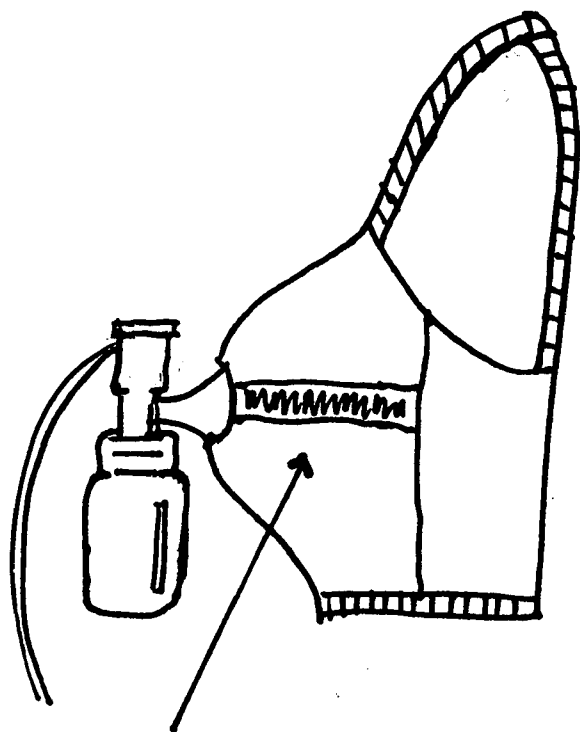


FIG-5

HANDS FREE BREAST PUMP BRA

[0001] This hands free breast pump bra is designed to provide a hands free experience for nursing mothers to perform other tasks while using a breast pump device. Each front section of the bra has a circular opening (at the nipple and areola area) with a zipper, Hook and loop fasteners, snaps or hooks closure for easy insertion or removal of the breast pump suction cup.

FIELD OF INVENTION

[0002] The present invention relates to hands free breast pump bras, and more particular, to a bra with each bra cup having an circular opening at the center with a hook and loop fasteners, zipper, snaps or hooks side closure to secure suction cup in place at breast while also supporting the breast of a woman using a breast pump device.

BACKGROUND OF THE INVENTION

[0003] While at home nursing a newborn or working in a private office setting, there is a need for women who wish to maximize their time while expressing their breastmilk with a breast pump device. The "Hands Free Breast Pump Bra" creates a hands free experience that would allow the nursing mother to perform other duties around the house or office room.

[0004] Breastmilk has proven to be the ideal food for newborn babies. Breastmilk, being full of antibodies to help fight infection, is beneficial for newborn babies to grow healthy and strong while reducing the risk of allergies, colds, ear infections, and other diseases.

[0005] With this invention, nursing mothers are given the opportunity to express breastmilk through single or double pumping while handling other tasks. As for working mothers, they are able to express milk during breaks, by easily undoing the closure to insert the suction cup into the circular bra opening. When finished, they can quickly remove the suction cup, secure the closure, and return to work.

[0006] As a result, there exists a need for a handsfree breast pump bra that will make life easier for the nursing mother while expressing milk for her newborn. Furthermore, there exists a need for such bra that is washable, practical, which can be worn outside the home with an areola cup opening convenient for pumping when needed.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] FIG. 1 is a front view of the Hands Free Breast Pump Bra having a pair of circular opening with a side closure with hook and loop fasteners, snaps, zipper or hooks.

[0008] FIG. 2 is a inside view of the Hands Free Breast Pump Bra having a pair of circular opening with a side closure with hook and loop fasteners, snaps, zipper or hooks.

[0009] FIG. 3 is a side view of the Hands Free Breast Pump Bra with the areola opening and the side closure for easy insertion of the suction cup.

[0010] FIG. 4 is an actual application of the Hands Free Breast Pump Bra in use with a generic pump device. It shows the actual circular opening and side closure for easy insertion of the suction cup.

[0011] FIG. 5 shows the left side front view of the Hands Free Breast Pump Bra with a generic pump attachment. Suction cup is on the inside of the bra secure by hook and loop fasteners, snaps, zipper or hooks.

DETAILED DESCRIPTION

[0012] Hands Free Breast Pump Bra, according to the principles of the invention, generally comprises a pair of circular opening at the areola with a side closure flap that is secured by hooks, snaps, zipper or hook and loop fasteners to hold in place the suction cup to the breast. FIG. 1 shows the opening at the areola and the side closure for easy insertion. Each side closure made to create easy insertion of the suction cup is secured in place by hook and loop fasteners, hooks, zipper or snaps.

[0013] This design allows for hands to be free while pumping breastmilk to perform other tasks at home or in a private office setting. FIG. 2 is an inside view of the Hands Free Breast Pump Bra with the same structure. Generally, the user of the Hands Free Breast Pump Bra will experience the same comfort as that of a nursing bra. A disposable or washable nursing pad can be placed over the areola opening while not in use to prevent any leakage.

[0014] FIG. 3 is a side view showing the circular opening with side view of the flap side section that secures the suction cup in place. The user can create varying degrees of comfort by securing the closure to the right level by pulling the two sides together. After use, the user simply will open closure section or unhook the snaps and remove the suction cup. It is also possible, to wear the Hands Free Breast Pump Bra as any normal bra by inserting a disposable or washable nursing pad.

[0015] The areola opening of the Hands Free Breast Pump Bra is to accommodate the pump suction cup. The suction cup can have many different forms, but generally will have the form of a circular tube, which can be placed in the opening.

[0016] FIG. 4 & FIG. 5 shows the Hands Free Breast Pump Bra in actual usage according to the principles of the inventors. The present Hands Free Breast Pump Bra makes for maximizing a nursing mother's time by creating hands free usage for other tasks, especially when time is limited.

What is claimed is:

1. A new Hands Free Breast Pump Bra comprising:

A pair of bra areola opening with a side opening secured by snaps, zipper or hooks for easy insertion of the breast pump suction cup.

The side opening extends from areola to user's armpit, and an inner side facing opposite to the outside, wherein the side opening is secured by hooks, snaps or zipper according to the principles of the inventors, to secure the breast pump suction cup.

The interior surface is of an unwoven, soft fabric material for comfort.

2. The Hands Free Breast Pump Bra claim 1 wherein an unwoven fabric material defines the interior surface.

3. The Hands Free Breast Pump Bra claim 1 wherein an woven fabric material defines the interior surface

4. The Hands Free Breast Pump Bra claim 1 wherein the side opening is secured by Hook and loop fasteners fabric, hooks, snaps or zipper according to the principles of the inventor.

5. The Hands Free Breast Pump Bra claim 7 wherein the side opening/side strip having a plurality of minute hooks, Hook and loop fasteners strips or snaps to secure suction cup from generic breast pump.

The Hands Free Breast Pump Bra claim 1 further comprising of a pair of circular openings at the center of the areola for breast pump suction cups with a side opening for easy insertion or removal.

This bra is different from the other patented designs because of its unique feature of a hands free experience as well as its easy opening and closure for inserting breast pump suction cups.

* * * * *