

ADJUSTABLE BRASIERRE SUPPORT

BACKGROUND OF THE INVENTION

1. Field of the Invention:

The present invention relates to a brassiere and more
5 particularly, to an adjustable brassiere support.

2. Description of the Related Art:

FIG. 1 is an exploded view of a conventional brassiere.
According to this design, two pockets 2' are respectively
provided inside the cups of the brassiere 1', and two paddings 3'
10 are respectively inserted into the pockets 2' to support the cups
of the brassiere 1' in shape. According to this design, the
paddings 3' are not adjustable to fit the user's breasts
respectively. In order to eliminate this problem, adjustable
paddings are developed. FIG. 2 shows two adjustable paddings
15 4' for brassiere. Each padding 4' has a valve 5' through which
the desired amount of air/fluid can be filled into the padding 4'.
However, this design of adjustable padding 4' is still not
satisfactory in function. When the padding 4' received a high
compressive force, the valve 5' may break, thereby causing a
20 leakage. Further, the valve 5' starts to wear after a long use.

SUMMARY OF THE INVENTION

The present invention has been accomplished under the

circumstances in view. It is the main object of the present invention to provide an adjustable brassiere support, which can be conveniently adjusted to fit the user's two breasts. It is another object of the present invention to provide an adjustable
5 brassiere support, which is durable in use.

To achieve these and other objects of the present invention, the adjustable breasts support comprises two bladders filled with air/fluid, a neck in fluid communication between the bladders, and a clip for fastening to the neck to stop the passage
10 between the bladders.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is an exploded view of a brassiere according to the prior art.

FIG. 2 illustrates two adjustable paddings constructed
15 according to the prior art.

FIG. 3 is an exploded view of an adjustable brassiere support according to the present invention (the clip excluded).

FIG. 4 is a perspective assembly view of the adjustable brassiere support according to the present invention (the clip
20 excluded).

FIG. 5 is a schematic drawing showing the adjustable brassiere support installed in a brassiere according to the

present invention.

FIG. 6A illustrates an alternate form of the adjustable brassiere according to the present invention.

FIG. 6B illustrates another alternate form of the adjustable brassiere according to the present invention.

FIG. 7 is a sectional top view showing the adjustable brassiere installed in a brassiere and the clip fastened to the neck between the bladders.

FIG. 8 is a sectional view of still another alternate form of the adjustable brassiere according to the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring to FIGS. 3, an adjustable brassiere support in accordance with the present invention is formed of two waterproof plastic sheet members **10** peripherally sealed with a sealing line **12** by ultrasonic heat sealing. The two waterproof plastic sheet members **10** are symmetrical, each having a narrow middle part **11**. When the two waterproof plastic sheet members **10** are peripherally sealed together, they form two bladders **100** and a tubular neck **110** connected between the bladders **100**. The tubular neck **110** is formed of the narrow middle part **11** of each of the two waterproof plastic sheet members **10**. When sealing the two waterproof plastic sheet members **10** peripherally

together with a heat sealing apparatus to form the sealing line **12**,
a small hole (not shown) is left so that a sufficient amount of air
(or fluid) can be filled into the bladders **100** and the tubular
neck **110**. After filling of air (or fluid), this small hole is sealed
5 to keep the bladders **100** and the tubular neck **110** in an airtight
status.

Referring to FIGS. 5 and 7, the two bladders **100** of the
adjustable brassiere support are inserted into in the pockets **2**
inside the two cups of a brassiere **1**. When in use, the user can
10 squeeze one of the two bladders **100** of the adjustable brassiere
to force the contained air (or fluid) toward the other of the two
bladders **100** via the tubular neck **110** so as to adjust the
inflation status of each bladder **100** subject to the size of the
corresponding breast. When adjusted, a clip **15** is fastened to the
15 tubular neck **110** to block the passage between the bladders **100**.

Referring to FIGS. 6A and 6B, the bladders of the
adjustable brassiere may be partially sealed to form oblique
seam lines **13** or arched seam lines **14**. These seam lines **13,14**
cause the center area of each bladder of the brassiere to curve
20 outwards, improving the breast lifting effect.

Referring to FIG. 8, a valve **20** may be installed in the
tubular neck **110** between the bladders **100** (not shown). The

valve 20 comprises a valve hole 21 in fluid communication between the two bladders 100, and a control plug 22 rotatable between a first position to block the valve hole 21 and a second position to open the valve hole 21.

5 A prototype of adjustable brassiere support has been constructed with the features of FIGS. 3~8. The adjustable brassiere support functions smoothly to provide all the features discussed earlier.

 Although particular embodiments of the invention have
10 been described in detail for purposes of illustration, various modifications and enhancements may be made without departing from the spirit and scope of the invention. Accordingly, the invention is not to be limited except as by the appended claims.

What the invention claimed is:

1. An adjustable brassiere support comprising a
brassiere support body formed of two waterproof plastic sheet
members peripherally sealed with a sealing line, said brassiere
5 support body defining a first bladder, a second bladder, a tubular
neck connected between said first bladder and said second
bladder, and flow means sealed in said bladders and movable
between said bladders through said tubular neck.

2. The adjustable brassiere support as claimed in claim
10 1, further comprising clip means for fastening to said tubular
neck to stop the passage between said bladders.

3. The adjustable brassiere support as claimed in claim
1, wherein said bladders each have a plurality of seam lines.

4. The adjustable brassiere support as claimed in claim
15 1, further comprising a valve mounted in said tubular neck, said
valve comprising a valve hole in fluid communication between
said bladders, and a valve plug rotatable between a first position
to block said valve hole and a second position to open said valve
hole.

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