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(54) **Brassiere pad**

(57) A brassier pad which comprising: an inner layer made by resilient material; an outer layer made by resilient material; and a electrical conducting insert layer made by thin cloth with electrical conducting material

and the dimension is smaller than said inner layer and layer; said conducting insert layer is inserted into the lower portion between said inner layer and outer layer.

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Description**BACKGROUND OF THE INVENTION**

1. Field of The Invention:

[0001] The present invention is relating to a brassiere pad, especially to a pad with two resilient layers and lower position between said two resilient layers provided a conducting insert layer which enable to prevent the breasts spread outwardly and achieve the purpose of making breasts centralized and enhanced. Furthermore, perhaps it may maintain the blood circulation of breasts.

2. Description of Related Art:

[0002] The brassier or so-called underwear is the closest dress for female. If dress properly, it could be helpful to the bodyline or figure of the wearer and make her more attractive. But, if dress improperly, the effect is adversely. Thus, except wearer's personal factor, the shape and structure are the major factors for which must be taken into account.

[0003] In general, the breast size of eastern women is smaller than the breast size of western women, therefore the brassier pad design is the subject which the designer always pay attention to.

[0004] The conventional brassiere pad, such as Taiwan Patent Application No: 85219929 titled "Brassiere Cups" in which one resilient layer made by fabrics and a non-woven polyester fiber layer then inserts an knitting cloth layer between these two layers which enable to enhance the breast size in visual appeal. The another prior art is Taiwan Patent Application No: 89208721 namely "The brassiere cup with versatile resilient support mechanism" in which there is a non-woven cloth inserted between two sponge layers for support the breasts. Besides, there are several different types, such as inserting a liquid bag, magnetic stone, as well as air through apparatus. Obviously, the brassier manufacturers consider this is an important subject could be further studied.

[0005] In fact, the function of brassier pad, except breasts enhance, shielding, and supporting, they must provide the function to prevent the breasts spread outwardly. In other words, make the breasts centralized. If the brassier pad could help the blood circulation will be an extra advantage.

SUMMARY OF THE INVENTION

[0006] The crux of the present invention is to provide a brassier pad which comprising: an inner layer made by resilient material; an outer layer made by resilient material; and a electrical conducting insert layer made by thin cloth with electrical conducting material and the dimension is smaller than said inner layer and layer; said

conducting insert layer is inserted into the lower portion between said inner layer and outer layer.

BRIEF DESCRIPTION OF THE DRAWINGS

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[0007] The present invention can be more fully understood by reference to the following detailed description and accompanying drawings, in which:

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Fig. 1 is the disassemble drawing of the present invention; and

Fig. 2 is the sectional view which showing the structure of the present invention.

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DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0008] Refer to Fig. 1, basically, the brassier pad of 20 the present invention including an inner layer 1, an outer layer 2 and a conducting insert layer 3.

[0009] The inner layer 1 and outer layer 2 are made by the soft and resilient material such as but not limited to polyester fabrics or PU sponge. The shape is corresponding to the breast's shape and as usual providing a curved space.

[0010] The feature of the brassier pad of the present invention is the conducting insert layer 3. Said conducting insert layer 3 is knitted by fabric but mixed with the 30 strands made by electrical conducting metal material such as gold, silver, copper, brass, etc. The conducting insert layer 3 can be made by the conducting strands constitute part of weft or warp and in general the cloth is called as "electrical conducting cloth". Furthermore, 35 the conducting insert layer can be made by dipping or coated a thin conducting film onto the fabric cloth. The dimension of said conducting insert layer is smaller than the inner layer 1 and outer layer 2 and insert into the lower position between said inner layer 1 and outer layer

40 2. Because the conducting insert layer 3 is not extendable than said inner layer 1 and outer layer 2, therefore, in wearing, it is not easy to be extended but for supporting the breast and prevent the breast spread outwardly. By the way, the breasts can be in the central position 45 and enhanced. Furthermore, through the operation of electrical conducting material, the blood circulation of breast can be speedy.

[0011] In order to fix the configuration and position of 50 conducting insert layer 3, both sides of said conducting insert layer 3 can be coated with a PU film before it is inserted into lower portion between the inner layer 1 and outer layer 2. Then, melted by mold to make those three layers combined closely.

[0012] Therefore, by the practice of the present invention, the brassier pad is enter the new era of using electrical conducting material and it is the important improvement in this field.

[0013] While the invention has been described with

reference to a preferred embodiment thereof, it is to be understood that modifications or variations may be easily made without departing from the spirit of this invention, which is defined by the appended claims.

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Claims

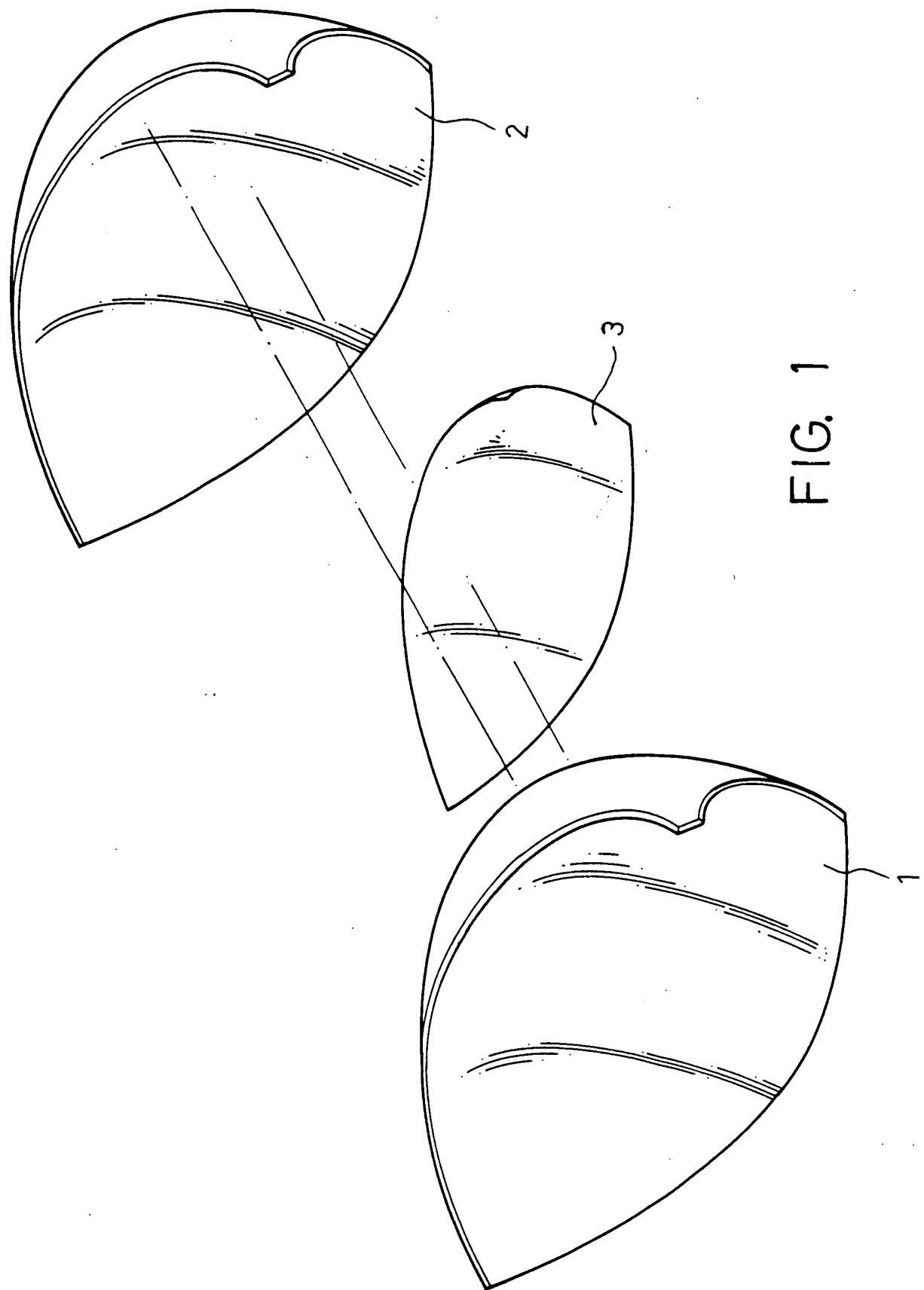
1. A brassier pad which comprising: an inner layer made by resilient material; an outer layer made by resilient material; and a electrical conducting insert layer made by thin cloth with electrical conducting material and the dimension is smaller than said inner layer and layer; said conducting insert layer is inserted into the lower portion between said inner layer and outer layer. 10
2. The brassier pad as claimed in claim 1, wherein the inner layer and the outer layer are made by same material. 20
3. The brassier pad as claimed in claim 1, wherein the inner layer and the outer layer are made by sponge material. 25
4. The brassier pad as claimed in claim 1, wherein the electrical conducting insert layer is the electrical conducting cloth which part of weft or warp are using electrical conducting strands. 30
5. The brassier pad as claimed in claim 1, wherein the both sides of electrical conducting layer are coating with a layer of PU film.
6. The brassier pad as claimed in claim 1, wherein the electrical conducting material is knitted by copper strands and fabric strands. 35

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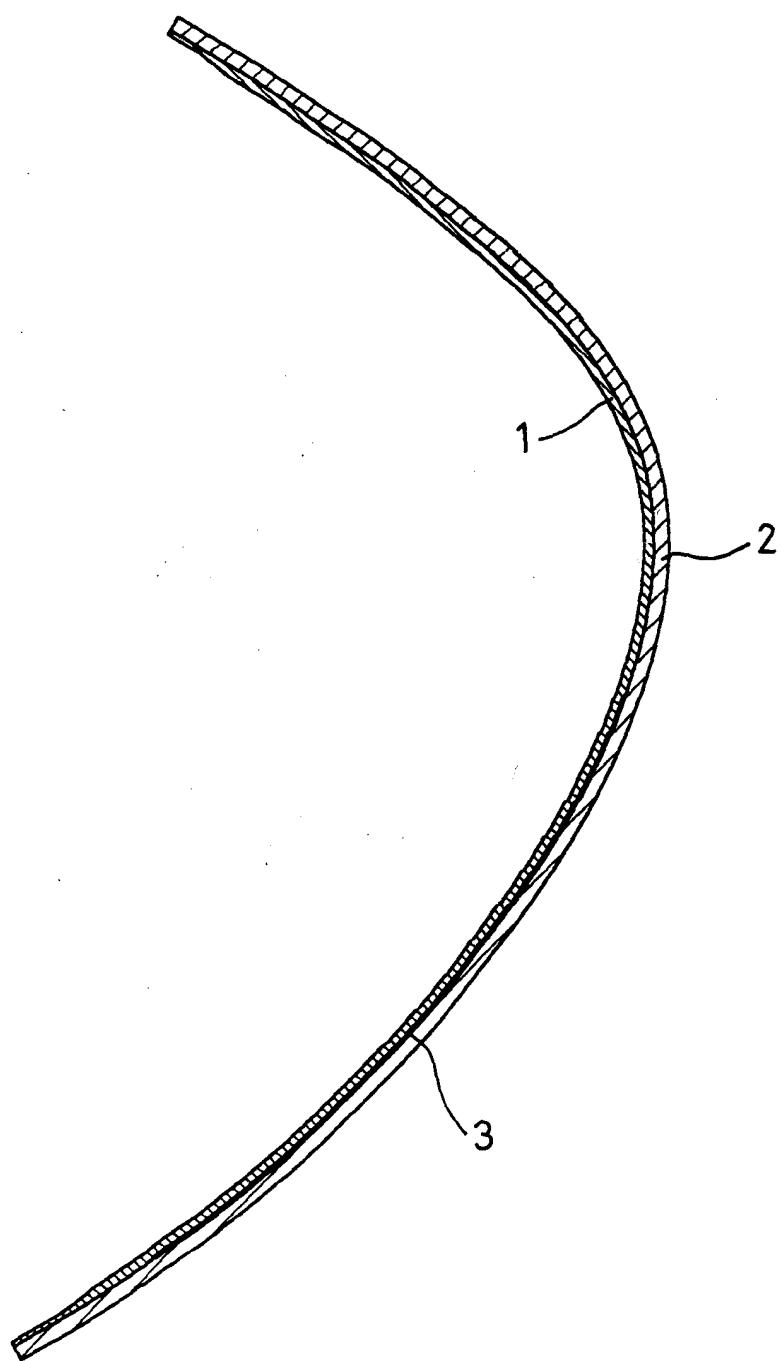


FIG. 2



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 5 690 537 A (KALMUS PHYLLIS) 25 November 1997 (1997-11-25) * column 10, line 29-33 * * column 14, line 12-16,31-44 * * column 16, line 11-53; figures 4-7 * ---	1,2,4	A41C3/14
A	* column 14, line 12-16,31-44 * * column 16, line 11-53; figures 4-7 * ---	3,5,6	
Y	US 6 398 620 B1 (HUANG HUI LUNG) 4 June 2002 (2002-06-04) * column 2, line 17-25; claims 1,2,4; figure 1 *	1-6	
Y	WO 96 37122 A (SOLERA RINO ;SOLERA S P A (IT)) 28 November 1996 (1996-11-28) * page 3, line 27 - page 4, line 12; figures 2-4 *	1-6	

TECHNICAL FIELDS SEARCHED (Int.Cl.7)			
A41C			
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search		Examiner
MUNICH	9 July 2003		Herry-Martin, D
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 03 00 2432

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
 The members are as contained in the European Patent Office EDP file on
 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-07-2003

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US 5690537	A	25-11-1997	NONE			
US 6398620	B1	04-06-2002	NONE			
WO 9637122	A	28-11-1996	IT PD950042 U1 AU 4830996 A CH 690085 A5 WO 9637122 A1		26-11-1996 11-12-1996 28-04-2000 28-11-1996	