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Bed for Pressure Relaxation and Body Trimming

BACKGROUND OF THE INVENTION

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1) FIELD OF THE INVENTION

The present invention aims to provide a bed for pressure relaxation and body trimming for an user to lie down and use a pressured air bag to press the muscle of body parts thereby not only obtaining sufficient mental and physical rest, but also gradually and sequentially adding or reducing pressure to the bag in the air bag so as to accelerate the normal blood circulation; furthermore, the air bag adequately presses the muscle to achieve the effect of body shaping and trimming.

2) DESCRIPTION OF THE PRIOR ART

Accordingly, after a long standing or walking period, the calf muscle feels strained or tired due to long blood congestion or extensive muscle contraction; therefore, medical experts suggest that raising the leg portion higher during rest helps reflux the blood and relax the leg muscle. Air bag structures are available on the market for exclusively pressing the leg portion muscle by covering the leg portion; inflating the air bag with proper pressure makes the air bag bloat to add pressure to the covered muscle thereby causing the blood in the leg portion to flux to all the body parts and achieve the effect of muscle relaxation.

Furthermore, after continuously standing or walking for a long time, not only the physical body needs to get proper relaxation, the mental spirit also needs to obtain proper rest; that is why people usually like to get some sleep while the leg portion is resting and that makes both the body and the spirit obtain sufficient rest. However, to use a conventional pressure air bag structure requires the user first to search for a proper site or position for sitting or lying down and then to self-control the pressure device for pressing the leg muscle; that not only deprives the body of a complete relaxation, but also requires the user to always pay attention to the action of the pressure device such that it is unable to achieve the resting effect.

SUMMARY OF THE INVENTION

The primary objective of the present invention is to provide a bed as a main body for an user to lie down comfortably, a pressure source of an air compressor disposed in the space on the bottom portion of the bed, an air bag assembly including a plurality of air bags cooperating with respective pipelines installed on the bags inside the air bags to connect with the pressure source and a control unit disposed on a proper position on the bed for setting and controlling the actions of the pressure source and all the pipelines. The user comfortably lies down on the bed and wears the air bags on the body parts (the leg portion, the arm, the abdomen, the face, etc.) according to the practical needs. The operating panel board of the control unit sets the required pressing

method, pressure value and functional time. After it is activated, a control circuit of the control unit precisely controls the actions of the bags in the air bags allowing the user to completely relax so as to obtain sufficient mental and physical rest.

Another objective of the present invention of a bed for pressure relaxation and body trimming is to use the operation of a control unit to sequentially and gradually adding or reducing the pressure in the bag of the air bag to accelerate normal blood circulation.

To enable a further understanding of the structural features and the technical contents of the present invention, the brief description of the drawings below is followed by the detailed description of the preferred embodiment.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is an external view drawing of the entire body trimming bed structure of the present invention.

Figure 2 is a schematic drawing of the implementing state of the present invention.

Figure 3 is a schematic drawing of an air bag structure of the present invention applied to a leg portion.

Figure 4 a schematic drawing of the air bag structure of the present invention applied to a face portion.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to FIGS. 1 and 2, the present invention of a bed for pressure relaxation and body trimming mainly comprises a bed (1) as the main body of the entire body trimming bed and a pressure source (2) of an air compressor disposed in the space on the bottom portion of the bed (1); an air bag assembly (4) has a plurality of air bags to be worn on the body parts and cooperates with respective pipelines (21) applied to the bags (46) of the air bags and connected with the pressure source (2). In practical implementation, the air bags of the air bag assembly (4) designed to be worn on the leg portion, the arm, the abdomen or the face are divided as a leg portion air bag (41), an arm air bag (42), an abdomen air bag (42) and a face air bag (43). A control unit (3) is disposed on a proper position on the bed (1) and has an operating panel board (31) and a control circuit (32) for setting and controlling the actions of the pressure source (2) and the pipelines (21).

Accordingly, as shown in FIG. 2, the user lies down on the bed (1) in a very comfortable way and wears the needed air bags of the air bag assembly (4) on the body parts. The operating panel board (3) of the control unit (3) sets the required pressing method, pressure value and functional time. After it is activated, the control circuit (32) of the control unit (3) precisely controls the action of the bag (46) of the air bag allowing the user to completely relax so as to obtain sufficient mental and physical rest.

As indicated in FIG. 3, for example, the leg portion air bag (41) structure has a cover body (45) as the main structure for covering the applied body parts. Bags (46) are disposed on the cover body (45), connected to the pressure source (not shown in this FIG.) via respective pipelines (21) and controlled individually by the control unit (3) to move. Therefore, when the leg portion air bag (42) moves, the operation of the control unit (3) sequentially and gradually adding or reducing the pressure in the bag (46) inside the leg portion air bag (41) from the sole of the foot toward the direction of the thigh to achieve the effect of accelerating a normal blood circulation.

Furthermore, FIG. 4 shows the schematic drawing of the face air bag (44) structure in the air bag assembly (4) for pressing the face portion, wherein, the face air bag (44) also has a cover body (45) as a main body for covering the user's face. Bags (46) are disposed on the cover body (45) opposite the user's cheek areas such that when the bags (46) are inflated, they press and relax the user's facial muscle. Cooperating with other air bags worn on the other body parts, the user's muscles obtain proper press thereby achieving the effect of body shaping and trimming.

The present invention of a bed for pressure relaxation and body trimming combines the pressure air bag device with the bed for the user to comfortably lie down. That allows the user to comfortably lie down on the bed and wear the air bags on the body parts according to the practical needs. The

operating panel board of the control unit sets the required pressing method, pressure value and functional time. After it is activated, a control circuit of the control unit precisely controls the actions of the bags in the air bags allowing the user to completely relax so as to obtain sufficient mental and physical rest; furthermore, during the resting procedure, the user's muscle gets relaxed and the body gets shaped and trimmed.

It is of course to be understood that the embodiment described herein is merely illustrative of the principles of the invention and that a wide variety of modifications thereto may be effected by persons skilled in the art without departing from the spirit and scope of the invention as set forth in the following claims.

CLAIMS

1. A bed for pressure relaxation and body trimming comprising:

a bed is the main body of the entire body trimming bed and disposed with a pressure source of an air compressor in the space on the bottom portion thereof;

an air bag assembly has a plurality of air bags to be worn on the body parts and cooperates with respective pipelines applied to the bags of the air bags and connected with a pressure source;

a control unit is disposed on a proper position on the bed and has an operating panel board and a control circuit for setting and controlling the actions of the pressure source and the pipelines;

the user comfortably lies down on the bed and wears the air bags on the body parts (the leg portion, the arm, the abdomen, the face, etc.) according to the practical needs; the operating panel board of the control unit sets the required pressing method, pressure value and functional time; after it is activated, a control circuit of the control unit precisely controls the actions of the bags in the air bags.

2. A bed for pressure relaxation and body trimming according to Claim 1, wherein via the operation of the control unit, the pressure source sequentially and gradually adds or reduce pressure in the bags of the air

bags worn on different body parts to achieve the effect of accelerating the normal blood circulation.

3. A bed for pressure relaxation and body trimming according to Claim 1, wherein the air bag has a cover body as the main structure for covering the body parts to be applied; bags are disposed on the cover body and connected to the pressure source via respective pipelines.