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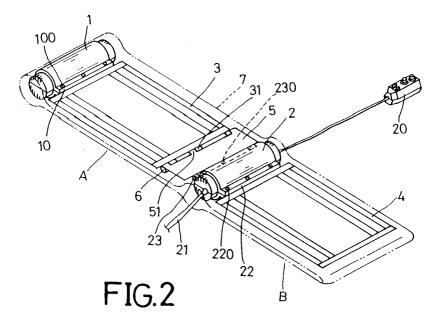
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(54) Massage cushion for sitting or lying on.

(7) A massage cushion for sitting or lying on comprising two massagers (1, 2) to produce vibration by electricity, two transmitting plates (3, 4) respectively connected firmly with the two massagers for receiving vibration from the massagers to give it to the body of a user a connecting plate (5) being connected between one massager and one transmitting

plate by means of a shaft (6) functioning as a pivot to enable one transmitting plate to bend relative to the other transmitting plate so that this massager cushion may be bent as two portions, i.e. a back portion and a seat portion to function as a chair for massaging as well as a bed.



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Background of the Invention

This invention relates to massage apparatus.

Most massage cushions presently available are generally limited in their scope of massaging operation to a certain portion of a human body, such as a head, a back, buttocks, legs, etc.

Summary of the Invention

An object of this invention is to offer a kind of massage apparatus able to produce overall vibration to perform a massage function, and adjustable to make it flat or bent to form a chair with a sloped back of any angle to receive massage movement.

This invention provides a massage apparatus for sitting or lying on, especially a kind of massage cushion to give vibration to various parts of a human body either lying on or sitting on by adjusting the angle of two portions of the massage cushion easily.

A main feature of this invention is provision of two massagers connected with two transmitting plates to receive vibration produced by the two massagers and to transmit the vibration to the body of a user. One massager is connected with one transmitting plate and a connecting plate between them and the other massager is connected with the other massager to a right direction. The former (left) transmitting plate is connected with the connecting plate by means of a shaft passing through three shaft holes provided at a right side of the transmitting plate and three shaft holes provided at a left side of the connecting plate. Then, the shaft functions as a pivot to enable the left transmitting plate with one massager to bend relative to the right transmitting plate with another massager so that this massager cushion can be altered from a flat condition as a bed to a bent condition as a chair.

Brief Description of Drawings

This invention will be now be further described, by way of example only, with reference to the accompanying drawings, in which:-

Figure 1 is an exploded perspective view of a massage cushion for sitting or lying on in accordance with the present invention;

Figure 2 is a perspective view of the massage cushion of Figure 1; and

Figure 3 is a view of a person lying on the massage cushion of Figure 1.

Detailed Description of the Invention

A massage cushion for sitting or lying on in accordance with the present invention, as shown in

Figure 1, comprises two electrically operated vibration massagers 1 and 2, a speed switch 20 connected to the massager 2, two connecting bases 10, 22 respectively provided to surround the two massagers 1, 2, each having an elongate projection on the right side as viewed, an elongate projection 23 extending from a left side as viewed of the connecting base 22 on the massager 2. The three elongate projections respectively have three threaded holes 100, 220, 230 spaced apart equally.

The massage cushion also comprises two - a left and a right as viewed - transmitting plates 3, 4 of preferably a rectangular shape. The left transmitting plate has three bolt holes 30 in three projections equidistantly spaced on its left side and three holes 31 in three annular upward projections spaced equidistantly on its right side. The right transmitting plate 4 has three bolt holes 40 equidistantly spaced on its left side. The left transmitting plate 3 is connected to the massager 1 by means of bolts and nuts N1, with bolts passing through the three bolt holes 100 in the elongate projection of the connecting base 10 and also through the three bolt holes 30 of the transmitting plate 3. The transmitting plate 4 is connected firmly to the massager 2 by means of bolts and nuts N2, with the bolts passing though the three bolt holes 220 of the connecting base 22 and also through the bolt holes 40 of the transmitting plate 4.

A connecting plate 5 is also provided in the massage cushion having three bolt holes 50 in three projections equidistantly spaced on its right side as viewed in corresponding positions with the three bolt holes 230 of the connecting base 23, and three shaft holes 51 in three annular downward projections equidistantly spaced on its left side. Then the connecting plate 5 is connected with the left transmitting plate 3 by means of a shaft 6 passing through the three shaft holes 31 of the plate 3 and also through the three shaft holes 51 of the plate 5. Then the connecting plate 5 is also connected firmly with the massager 2 by means of the bolts and nuts N3, with the bolts passing through the three bolt holes 230 of the elongate projection of the connecting base 22. Therefore, the connecting plate 5 and the transmitting plate 3 are connected to be able to bend against each other by means of the shaft 6 functioning as a pivot, forming a desired angle to form a chair shape for this massage cushion for a user to sit thereon to receive massage operation.

Then a soft cushion 7 is provided to cover above and below the components mentioned above all connected with one another, properly sewn together to be kept in that position.

In assembling the massage cushion, as shown in Figure 2, the two massagers 1, 2 are assembled with the two transmitting plates 3, 4 by means of

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the bolts and nuts N1, N2 with the bolts passing through the bolt holes 100 and 220 of the connecting bases 10, 22 and the three bolt holes 30, 40 of the transmitting plates 3, 4. Thus a back cushion A and a seat cushion B are formed as shown in Figure 2. Next, the connecting plate 5 is connected with the massager 2 by means of the bolts and nuts N3 with the bolts passing through the bolt holes 50 and the holes 230. Then, the three shaft holes 31 of the transmitting plate 3 and the three shaft holes 51 of the connecting plates 5 and 3 are placed in line for the shaft 6 to be inserted through for connecting the plates 3 and 5. Lastly, the soft cushion 7 is placed over the assembly and is sewn on the upper and lower side of the assembled components to provide a cover therefor.

In using the massage cushion, as shown in Figures 2 and 3, a user may position the massage cushion on a flat bed, a flat floor, or a chair such as a car chair, etc., and switch on power supply to the massagers 1, 2, which then produce vibration transmitted to the two transmitting plates 3, 4, which then vibrate with their large area to give massage operation to various parts of the body of the user. The back cushion A and the seat cushion B are connected by the shaft 6, which can function as a pivot to enable the two cushions A and B to be angled relative to each other. It is thus possible to adjust the massage cushion to any angle for a preferred position chosen by a user.

As understood from the above description, this embodiment has the following advantages.

- 1. It can give an overall comfortable vibration treatment to the body of a user.
- 2. It has two cushion parts adjustable in their relative angle to suit any position a user chooses in massaging the body of the user whereby the massage cushion may be used either sitting or lying thereon.

Claims

- 1. A massage apparatus for sitting or lying on comprising a first electrically powered vibratory massager connected to a first vibration transmitting plate itself connected to a connecting plate in turn connected to a second electrically powered vibratory massager also connected to a second vibration transmitting plate, the relative angle of the first and second vibration transmitting plates being adjustable.
- A massage apparatus as claimed in claim 1 characterised in that the first vibration transmitting plate and the connecting plate are pivotally connected.

- A massage apparatus as claimed in claim 1 or 2, characterised by a cushion cover enclosing the apparatus.
- A massage apparatus for sitting or lying on comprising:

two massagers connected with each other with a transmitting plate and a connecting plate between them, being in parallel position, being electrically connected with electric power through a speed switch for altering the vibrating speed of said two massagers;

two - a left and a right - connecting bases respectively surrounding said two massagers and having an elongate projection at a right side bored with three bolt holes equidistantly spaced, said right connecting base specially having an elongate projection at a left side bored with three bolt holes equidistantly spaced;

two - a left and a right - transmitting plates of preferably a rectangular shape, said left transmitting plate having three bolt holes in three projections at a left side and three shaft holes in three annular upward projections at a right side, and being combined between the left side of said left massager and a connecting plate later mentioned, said right transmitting plate having three bolt holes at a left side and being combined with the right transmitting plate;

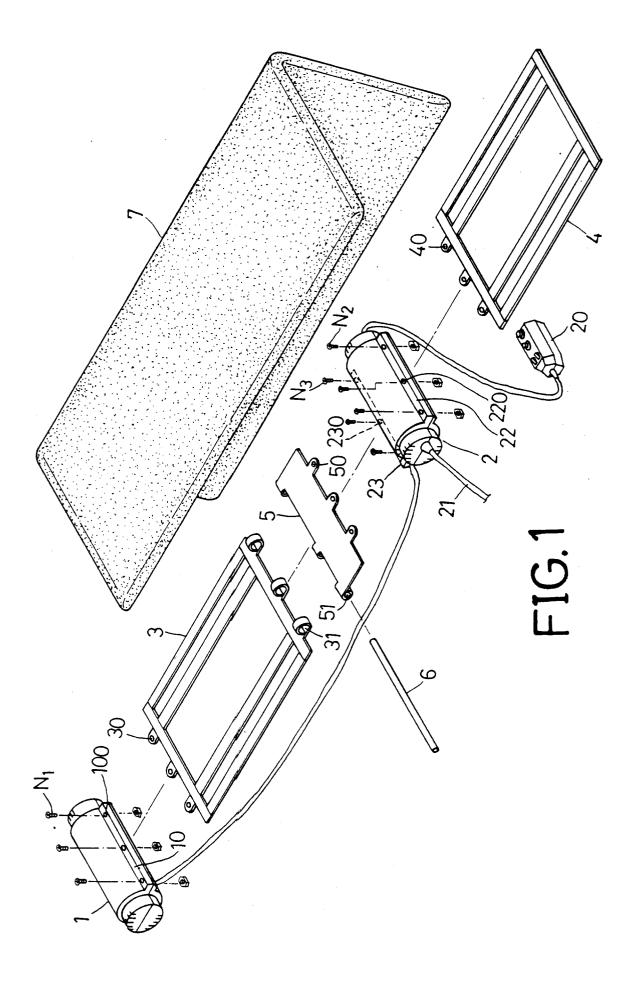
a connecting plate of a rectangular shape having three annular downward projections each with a hole equidistantly spaced at a left side to respectively face with three upward annular downward projections each with a hole for a shaft to pass through in connecting the connecting plate with the left transmitting plate to function as a pivot, and three flat projections with a hole equidistantly spaced at a right side for bolts and nuts to combine the connecting plate with the connecting base of the right massager;

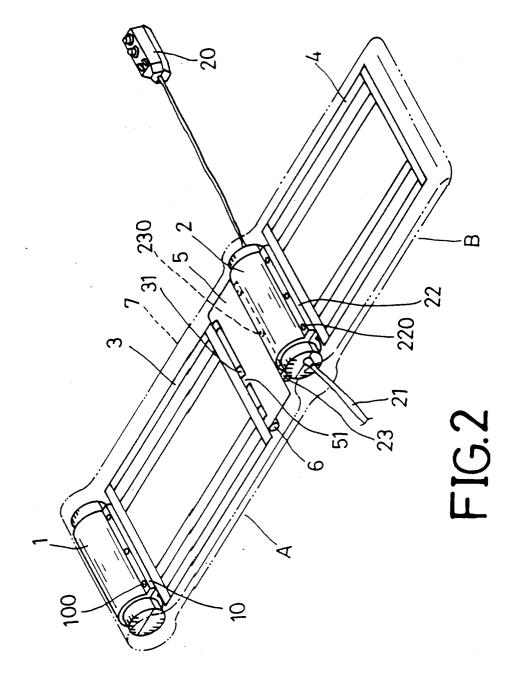
a shaft passing through the three shaft holes in the downward annular projections at the left side of the connecting plate and the three shaft holes in the upward annular projections at the right side of the left transmitting plate, functioning as a pivot permitting the left transmitting plate to bend to any angle relative to the connecting plate;

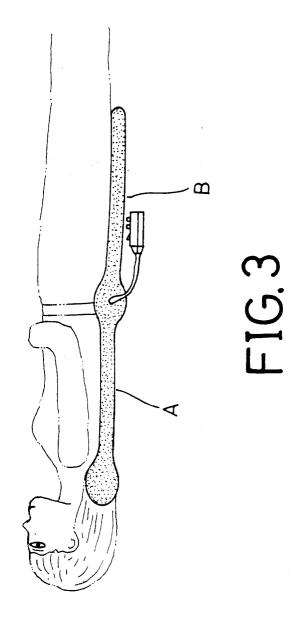
a soft cushion having a large size enough to cover on an under all the components mentioned above after assembled together, and then being sewn to be kept in the covered position for a user to lie on or sit on for massaging; and

said two massagers producing vibration by

electricity to be transmitted to the two transmitting plates, said transmitting plates being vibrated by said massagers to give vibrations to the body of a user sitting or lying on this massager cushion, said shaft functioning as a pivot allowing this massage cushion kept flat as a bed or bent in an angle to form a chair.









EUROPEAN SEARCH REPORT

Application Number EP 94 30 3884

Citation of document with indication, where appropriate,				CT ACCIDICATION OF THE	
Category	Citation of document with it of relevant pa		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)	
X A	US-A-2 719 769 (MUR * column 5, line 75 figures *	PHY) - column 6, line 18;	1-3 4	A61H1/00	
X A	EP-A-0 373 912 (ARE * claims 1-3; figur	NA SYSTEMS LIMITED) es 1-3 *	1-3 4		
X A	US-A-4 023 566 (MAR * column 2, line 45 figures *	TINMAAS) - line 60; claim 1;	1-3		
A	DE-U-92 07 240 (CUT * page 2, last para paragraph 1; figure	graph - page 3,	1-4		
A	DE-A-29 23 274 (NEU * claim 1; figure 1		1-4		
A	US-A-3 678 923 (OET * abstract; figures		1-4	TECHNICAL FIELDS	
			ļ	SEARCHED (Int.Cl.6) A61H	
	The present search report has b	een drawn up for all claims			
	Place of search	Date of completion of the search		Examiner	
THE HAGUE		10 November 199	10 November 1994 Jones, T		
CATEGORY OF CITED DOCUMENTS 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		E : earlier patent of after the filing other D : document citet L : document citet	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		