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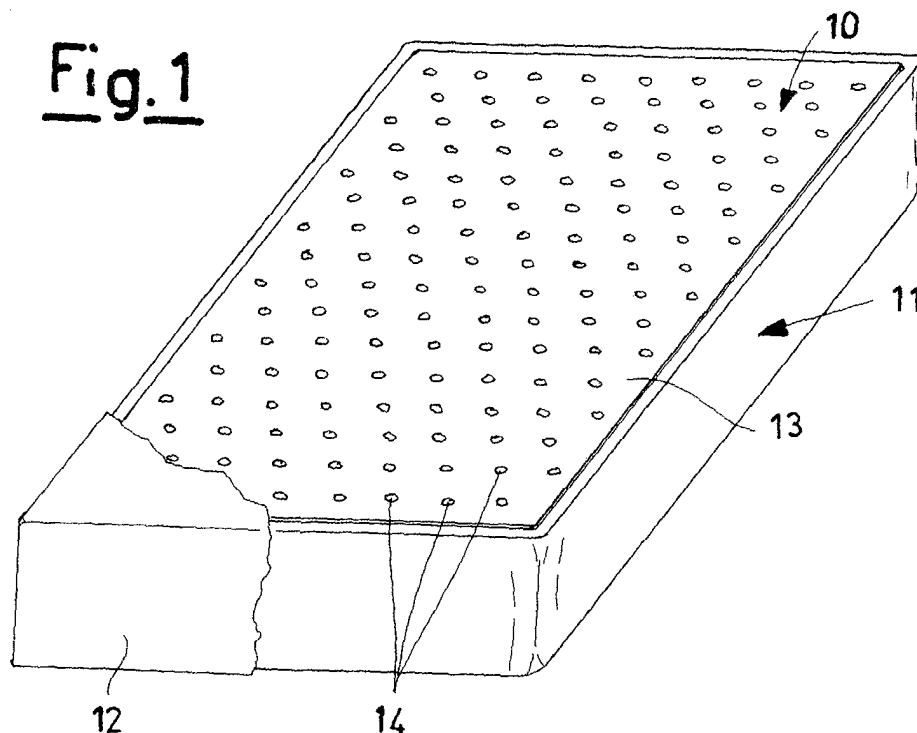
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(54) **Mattress cover with a massaging action**

(57) A mattress cover with a massaging action comprises at least one basic length of fabric (13) suitable for being positioned between a mattress (11) and a sheet

(12), wherein at least a portion of the cover (13) has a series of protruding elements (14) on at least one side, made of a compact fabric and firmly connected to the cover (13).



Description

[0001] The present invention relates to a mattress cover with a massaging action.

[0002] In the bed industry and field of bed accessories such as mattresses, sprung bed bases and the like, ever increasing attention is being paid to creating optimal conditions for the user.

[0003] The optimization of beds and their accessories is aimed at increasing the comfort of the user, whose demands and physical characteristics can vary widely from person to person, and also at improving the hygienic conditions of beds, in addition to finding, from an orthopedic point of view, a correct support for the spine and skeletal apparatus in general.

[0004] An objective of the present invention is to produce a mattress cover with a massaging action which improves the user's comfort.

[0005] A further objective of the present invention is to provide a mattress cover with a massaging action which improves the hygiene of the bed.

[0006] Another objective of the present invention is to provide a mattress cover with a massaging action which exerts a relaxing action when asleep.

[0007] Yet another objective of the present invention is to provide a mattress cover with a massaging action which is particularly simple and functional, with limited costs.

[0008] These objectives according to the present invention are achieved by providing a mattress cover with a massaging action as illustrated in claim 1.

[0009] Further characteristics of a mattress cover with a massaging action are object of the dependent claims.

[0010] The characteristics and advantages of a mattress cover with a massaging action according to the present invention will appear more evident from the following illustrative and non-limiting description, referring to the enclosed schematic drawings, in which:

figure 1 is a perspective view of a mattress cover with a massaging action positioned between a mattress and a sheet;

figure 2 is a detail in an enlarged plan of the mattress cover of figure 1;

figure 3 shows a sectional detail of figure 2 according to the outline III-III;

figure 4 schematically shows a mattress cover with a massaging action according to the present invention produced as a bag lining.

[0011] With reference to the figures, these illustrate a mattress cover with a massaging action indicated as a whole with 10 and suitable for being positioned between a mattress 11 and a sheet 12, shown in figure 1 partially in cross section. The mattress cover 10 comprises a basic length of fabric 13 and protruding elements 14, i.e. balls made of compact fabric, firmly connected to the base cover 13 by means of binding elements 15 and

arranged either on a portion of the cover, for example a central portion, or on the whole surface.

[0012] The protruding elements 14, which in the embodiment illustrated are only applied on one side of the base cover 13, but which can also be applied on both sides, are aligned and equidistant on parallel rows, in which adjacent rows are preferably reciprocally positioned so that the protruding elements 14 of one row are aligned with the centre line between two protruding elements 14 of the other rows, as shown in the enlarged detail of figure 2.

[0013] The protruding elements 14 are preferably balls of wool or other material firmly applied to the base cover 13, which is made of wool or cotton. The binding elements 15, schematically shown in the enlarged and sectional detail of figure 3, are made, for example, of polyester.

[0014] The mattress cover 10 according to the present invention can be rectangular-shaped, for example 1.75 m high or in any case at least 1.5 m high and can be placed on top of the mattress 11 and can be removably applied, for example by means of elastics, not shown, or can be tucked around it.

[0015] Alternatively, the mattress cover can be stably applied, for example, sewn, to one or both of the main surfaces of the mattress. On one side, for example, the mattress cover can be applied with a woolen base and on the other side with a cotton base, providing a summer side and a winter side of the mattress.

[0016] Furthermore, one or more base lengths can be sewn to form a mattress cover consisting of a bag lining 10', shown in figure 4. The bag lining 10', suitable for containing the mattress 11 has an opening 16 on one side for its insertion. The mattress cover 10' is produced, for example, with a first base cover made of cotton and a second base cover made of wool, each of which having protruding elements 14 on the main outer surface.

[0017] The mattress cover with a massaging action, object of the present invention, has the advantage of transmitting a sense of well-being and relaxation for the user, when positioned under the sheet.

[0018] The mattress cover does in fact advantageously exert a massaging action and also favours air circulation between the user and the mattress.

Claims

1. A mattress cover with a massaging action comprising at least one basic length of fabric (13) suitable for being positioned between a mattress (11) and a sheet (12), **characterized in that** at least a portion of the cover (13) has a series of protruding elements (14) on at least one side, made of a compact fabric and firmly connected to said cover (13).
2. The mattress cover according to claim 1, **characterized in that** said base cover (13) has said pro-

truding elements (14) distributed on the whole surface.

3. The mattress cover according to claim 1, **characterized in that** said base cover (13) is made of cotton. 5
4. The mattress cover according to claim 1, **characterized in that** said base cover (13) is made of wool. 10
5. The mattress cover according to claim 1, **characterized in that** said protruding elements (14) are balls of wool firmly applied to said base cover (13) by means of binding elements (15) made of polyester. 15
6. The mattress cover according to claim 1, **characterized in that** said protruding elements (14) are aligned and equidistant on parallel rows. 20
7. The mattress cover according to claim 6, **characterized in that** adjacent lines of said parallel rows are reciprocally positioned with said protruding elements (14) of one row aligned with the centre line between two protruding elements (14) of the other rows. 25
8. The mattress cover according to claim 1, **characterized in that** said base cover (13) is rectangular-shaped with a height of at least 1.5 m. 30
9. The mattress cover according to claim 8, **characterized in that** said base cover (13) is rectangular-shaped with a height of at least 1.75 m. 35
10. The mattress cover according to claim 1, **characterized in that** it can be removably applied to said mattress (11).
11. The mattress cover according to claim 1, **characterized in that** said base cover (13) is sewn onto at least one side of said mattress (11). 40
12. The mattress cover according to claim 11, **characterized in that** a woollen base cover (13) and a cotton base cover (13) are sewn onto opposite sides of said mattress (11). 45
13. The mattress cover according to claim 1, **characterized in that** one or more base covers (13) form a bag lining (10') suitable for containing a mattress, said protruding elements (14) being contemplated on the main outer surfaces of said bag lining (10'). 50
14. The mattress cover according to claim 13, **characterized in that** said bag lining (10') consists of a cotton base cover (13) on one side and a woollen base cover (13) on the opposite side. 55

Fig.1

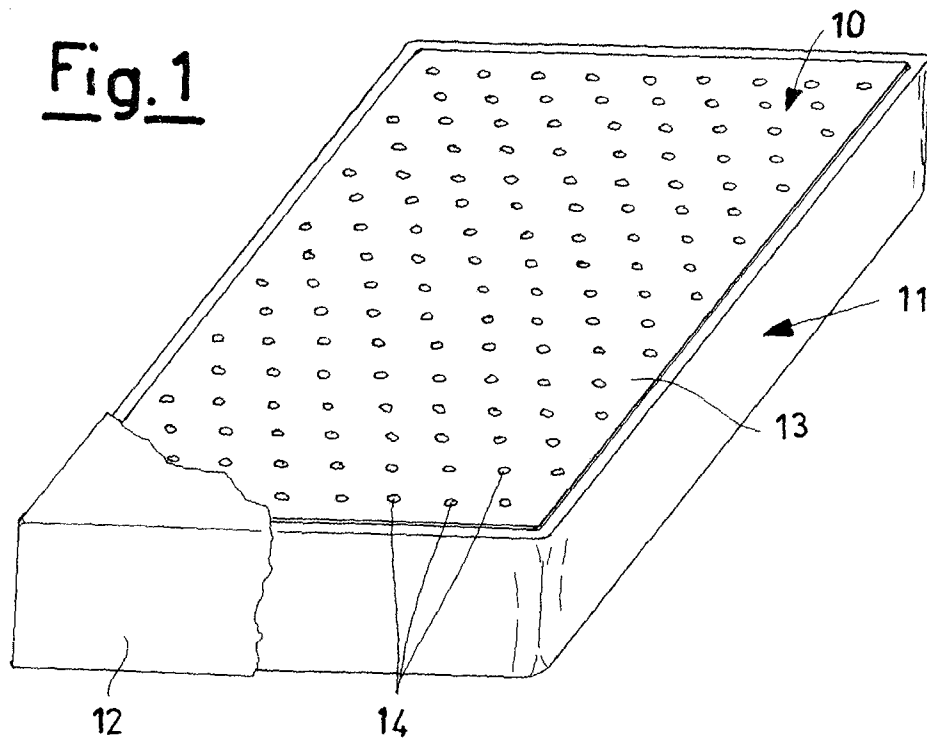


Fig.2

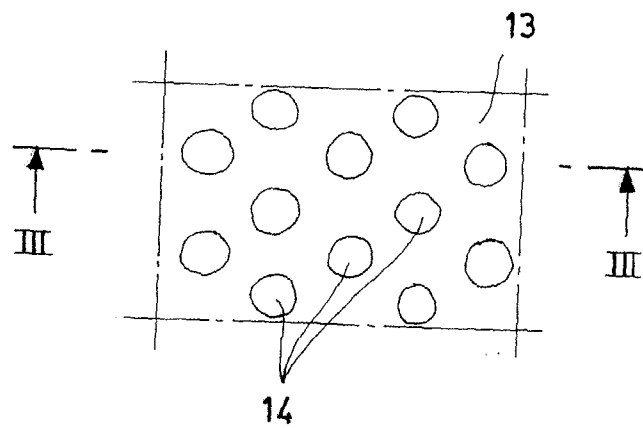


Fig.3

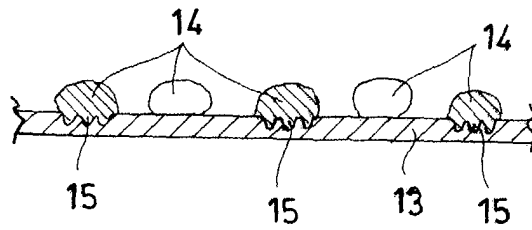
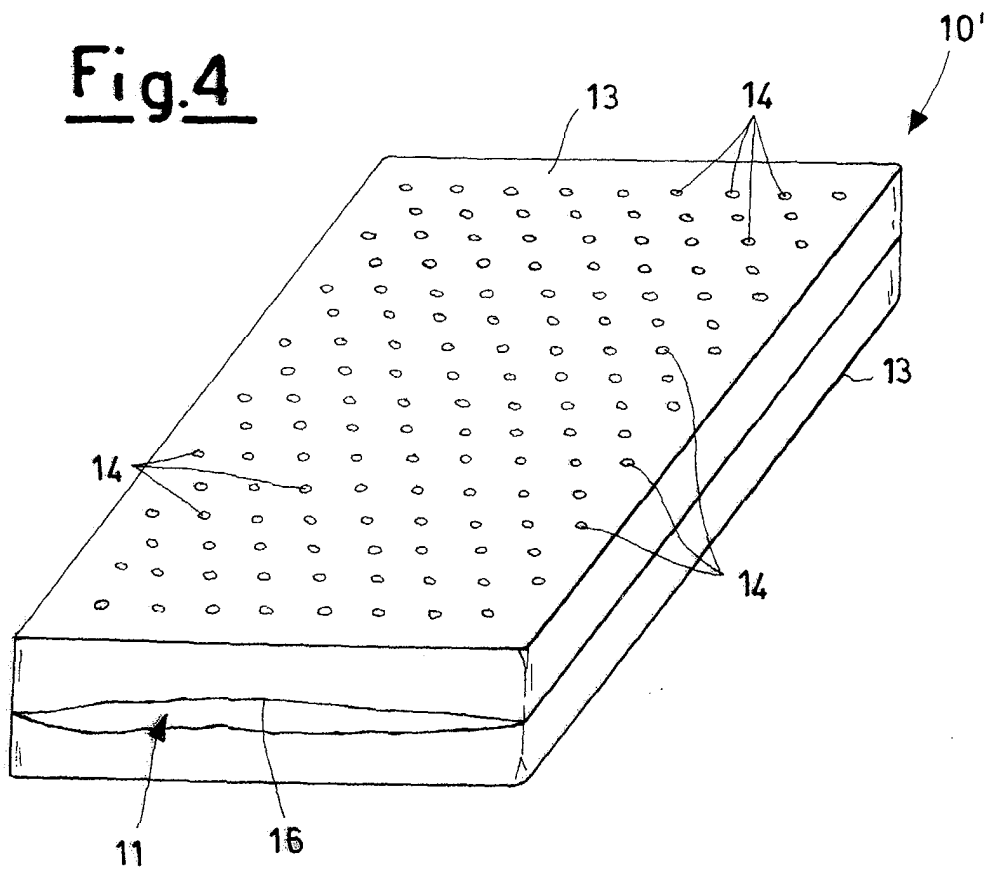


Fig.4





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 04 07 8117

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 9 February 2005	Examiner MacCormick, D
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 04 07 8117

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
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