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(54) **BED MATTRESS SET**

BETTMATRATZENSET

ENSEMBLE DE MATELAS DE LIT

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Description

Field of the invention

[0001] This invention relates to the field of bedding articles, more particularly to the field of bed mattresses. The invention is a set of bed mattresses that includes a mattress topper with a mattress case with zippers that is permanently fastened to the bed mattress.

Background of the invention

[0002] The prior art includes mattress toppers and fastening thereof to a bed mattress using elastic bands to protect it. However, this type of fastening does not ensure a fully fixed position of the mattress topper; hence, the mattress topper needs to be constantly repositioned. Moreover, the elastic bands wear out quickly and it is troublesome to fold a sheet under the mattress topper through the elastic bands.

[0003] The European patent application No. EP2377433 discloses a fastening system of mattress toppers with straps with clips onto the bed mattress. This type of fastening does ensure a permanent fixed position of the mattress topper, but it can wear out over time, and it is likewise very complicated to cover the mattress topper with a sheet through the straps.

[0004] The US patent application No. US20080005845 discloses a mattress case for fixing a mattress topper onto a bed mattress, wherein one side of the mattress case is fastened with a zipper. However, the mattress case does not allow fastening a sheet under the mattress topper, and thus the sheet must be large enough to be fastened under the mattress topper that is generally quite thick. Also, it is troublesome to fold a sheet under a thicker bed mattress. The sheet starts to shift while being slept on.

[0005] The US patent application No US7007329 discloses a pillow-mattress cover that is fastened to the main mattress at the edges by means of zippers. However, fastening at the edges does not allow placing the edges of a sheet under the mattress topper and in such a case, the sheet must be large enough to fold the edges under the bed mattress that is troublesome to do in the case of a thicker mattress. The mattress topper must be covered with a sheet, so that the edges of the sheet can be placed under the mattress topper, ensuring a fixed position of the sheet and preventing the mattress topper from getting dirty.

[0006] US 2007/0283497 A1 discloses a combination of a bed mattress and a mattress topper according to the preamble of claim 1. Also, the fastening of mattress toppers to a bed mattress is known by the means of a Velcro fastening in the middle portion of mattresses, but this fastening is not sufficient for fixing a mattress topper, it wears out over time and can damage materials.

Summary of the invention

[0007] The object of the invention is to provide a mattress topper, fixed onto a bed mattress, that does not shift while being slept on and that can be readily covered with a sheet, by folding the edges of the sheet under the mattress topper. The object is achieved by a set of bed mattresses that includes a bed mattress and a mattress topper with a mattress case that have been fixed together so that the mattress topper does not shift. The mattress topper is in the mattress topper case, whereas the mattress topper case has been fastened in the middle portion to the bed mattress. The mattress topper case has zippers that enable removing the mattress topper from the mattress topper case, for example, for changing or washing. The mattress topper may be also functional without the mattress topper case. In this case, the middle portion of the upper side of the bed mattress and the middle portion of the lower side of the mattress topper are fastened to each other by a zipper.

List of illustrations

[0008] The preferred embodiments of the invention are described by reference to the appended figures, wherein the figures depict the following:

FIG 1: a general view of the bed mattress and the mattress topper case equipped with a zipper

FIG 2: an end view of the bed mattress and mattress topper case

FIG 3: a general view of the bed mattress with a rectangular area, where the lower side of the mattress topper case is fastened in the preferred embodiment.

FIG 4: a general view of the mattress topper case in an open position, where one side of the zipper is fastened to the middle portion of the lower side.

A representative embodiment of the invention

[0009] In a preferred embodiment, the invention includes (see FIG 1) a bed mattress 1 and on it a mattress topper (not shown) in a mattress topper case 2. There is a zipper 3 or similar fastening device (shown as a dotted line in the figure) on a side of the mattress topper case, so that the mattress topper can be readily removed from the mattress topper case, if desired. In a preferred embodiment of the invention, the thickness of the mattress topper decreases slightly towards the edges of the mattress, so that there is a small gap 4 between the bed mattress and mattress topper near the edges of the bed mattress (see FIG 2). This gap is suited for placing the edges of a sheet (not shown in the figures) under the edges of the mattress topper case. The bed mattress is a rectangular mattress with a mattress topper case 2 fastened to the middle portion of the upper surface along line 5. The mattress topper case is a rectangular

case/bag of the size of the bed mattress with fastenings and openings that includes a mattress topper corresponding to the inside dimensions of the mattress case or that can encase a separate mattress topper. The mattress topper case and the bed mattress are fastened to each other in the middle portion of the upper side of the bed mattress along line 5 (see FIG 3).

[0010] According to a preferred embodiment of the invention, the fastening connecting the bed mattress and the mattress case is a rectangular seam. In alternative embodiments of the invention, the connecting seam may have a different shape. According to still another embodiment of the invention, the bed mattress and mattress topper case are fixed with a fastening with a zipper sewn along the same line 5 (see FIG 4). In case of such design the middle portion of the lower side of the mattress topper case is permanently fixed with the mattress case, remaining part of the mattress topper case is removable from the mattress case by opening of the zipper 6. In such case the mattress topper case is partly removable from the bed mattress, more specifically removable is that part of the mattress topper case, that is outside of the area restricted by the zipper 6. The part of the mattress topper case restricted by zipper 6 is sewed along the line 5 to the middle portion of the bed mattress. Such design gives opportunity to remove the part of the mattress topper case for example for washing of it.

[0011] At an edge or edges of the mattress case, there is a closable opening or openings that, according to a preferred embodiment of the invention, can be fastened with a zipper. Through the openings, the mattress topper is removed from the mattress case for washing or changing, and is reinserted into the mattress case. A zipper 6 is sewn on the inner side of the lower half of the mattress case at a certain distance from the edges of the mattress case. The zipper 6 may be sewn also at the edges of the mattress case. The other side of the zipper is sewn on the lower side of the mattress topper 7 (see FIG 5) along line 8 corresponding to line 6. In a preferred embodiment, the zipper is sewn along the edges of a rectangular area, but alternatively, the zipper may be sewn along the contours of an area with a different shape. Thanks to the fastening thus fixed, the mattress case and the fastened mattress topper in it do not shift while being slept on. Since the attachment lines 5 and 6 of the bed mattress and mattress topper are positioned farther away from the edges of the mattress case towards the middle portion, the area of the edges of the mattress case and bed mattress remains open, i.e. the edges of a sheet can be folded under the mattress case. The invention can be applied also in the case, where the mattress topper does not have a mattress case. In this case, the middle portion of the upper side of the bed mattress and the middle portion of the lower side of the mattress topper are connected to each other with a zipper.

Claims

1. A set of bed mattresses that includes a bed mattress (1) and a mattress topper (7) in a mattress topper case (2), wherein the thickness of the mattress topper (7) decreases towards the edges of the mattress (1), so that there is gap (4) between the edges of the bed mattress (1) and the mattress topper (7) for placing the edges of a sheet under the edges of the mattress topper case (2), **characterized in that** the middle portion of the lower side of the mattress topper case (2) is removably fastened by means of a substantially rectangularly sewn zipper to the middle portion of the upper side of the bed mattress (1).
2. A set of bed mattresses according to claim 1, **characterized in that** there is one or more zippers at the edges of the mattress topper case.

Patentansprüche

1. Ein Satz von Bettmatratzen, der eine Bettmatratze (1) und eine Matratzenauflage (7) in einem Matratzenauflagenbezug (2) umfasst, wobei die Dicke der Matratzenauflage (7) zu den Rändern der Matratze (1) hin abnimmt, so dass es einen Abstand (4) zwischen den Rändern der Bettmatratze (1) und der Matratzenauflage (7) gibt, um die Ränder eines Bettlakens unter den Rändern des Matratzenauflagenbezugs (2) zu platzieren, **dadurch gekennzeichnet, dass** der mittlere Teil der unteren Seite des Matratzenauflagenbezugs (2) durch einen im Wesentlichen rechteckig genähten Reißverschluss entfernbar an dem mittleren Teil der oberen Seite der Bettmatratze (1) befestigt ist.
2. Ein Satz von Bettmatratzen gemäß Anspruch 1, **dadurch gekennzeichnet, dass** es einen oder mehrere Reißverschlüsse an den Rändern des Matratzenauflagenbezugs gibt.

Revendications

1. Ensemble de matelas comprenant un matelas (1) pour le lit et un surmatelas (7) dans une housse de surmatelas (2), dans lequel l'épaisseur du surmatelas (7) diminue vers les bords du matelas (1), de sorte à créer un espace (4) entre les bords du matelas (1) du lit et du surmatelas (7), afin d'accueillir les bords d'un drap sous les bords de la housse de surmatelas (2), **caractérisé en ce que** la partie centrale de la face inférieure de la housse de surmatelas (2) est fixée de façon amovible à l'aide d'une fermeture à glissière cousue de façon sensiblement rectangulaire à la section du milieu de la face supérieure du matelas (1) du lit.

2. Ensemble des matelas du lit selon la revendication 1, **caractérisé en ce qu'il** y a sur les bords de la housse de surmatelas une ou plusieurs fermetures à glissière.

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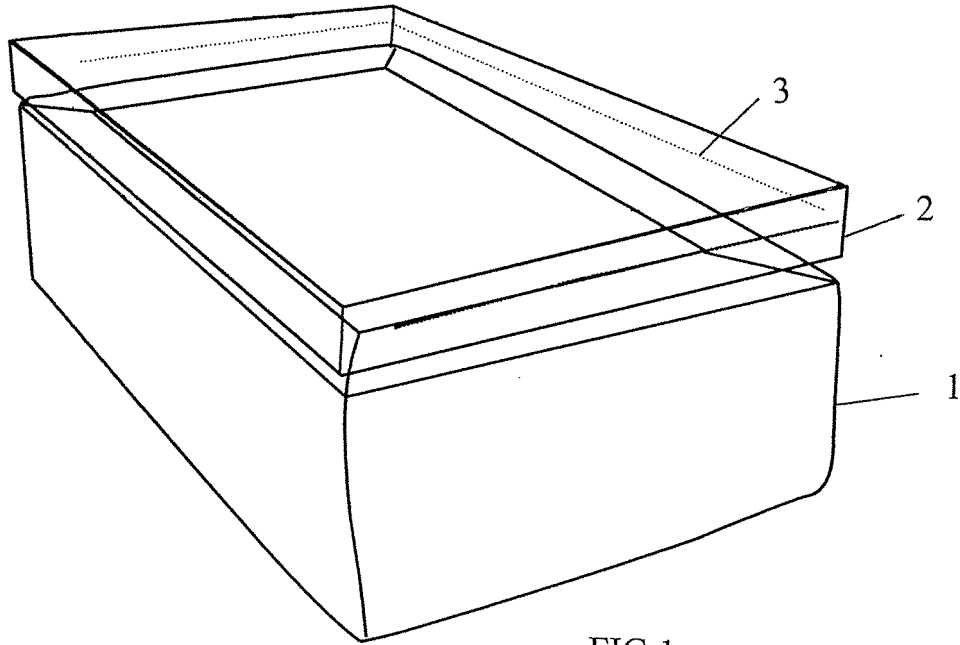


FIG 1

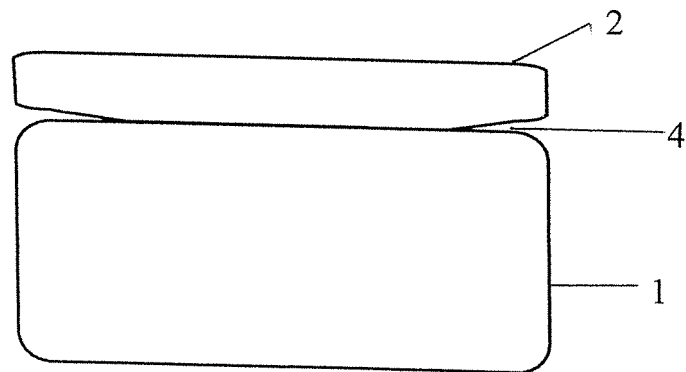


FIG 2

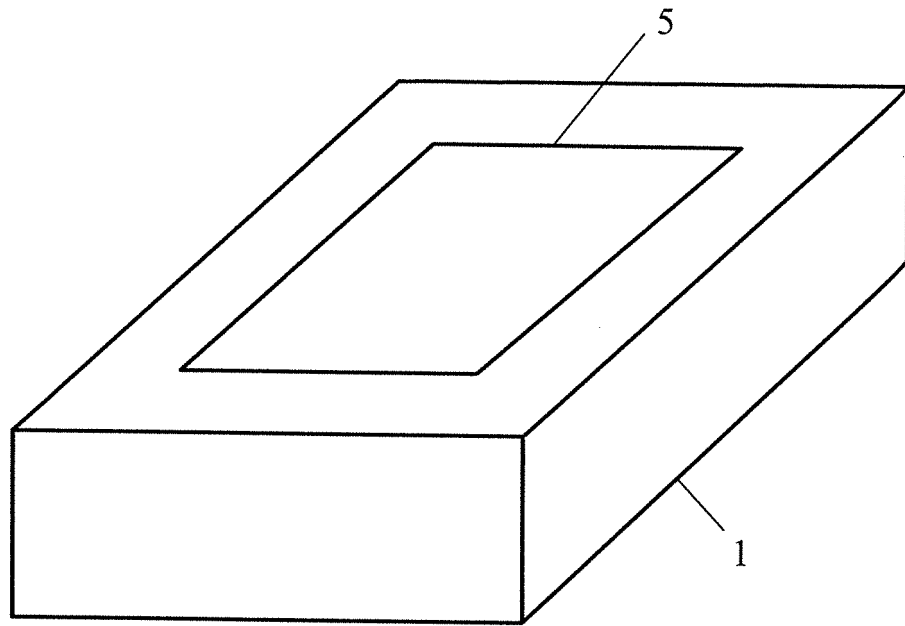


FIG 3

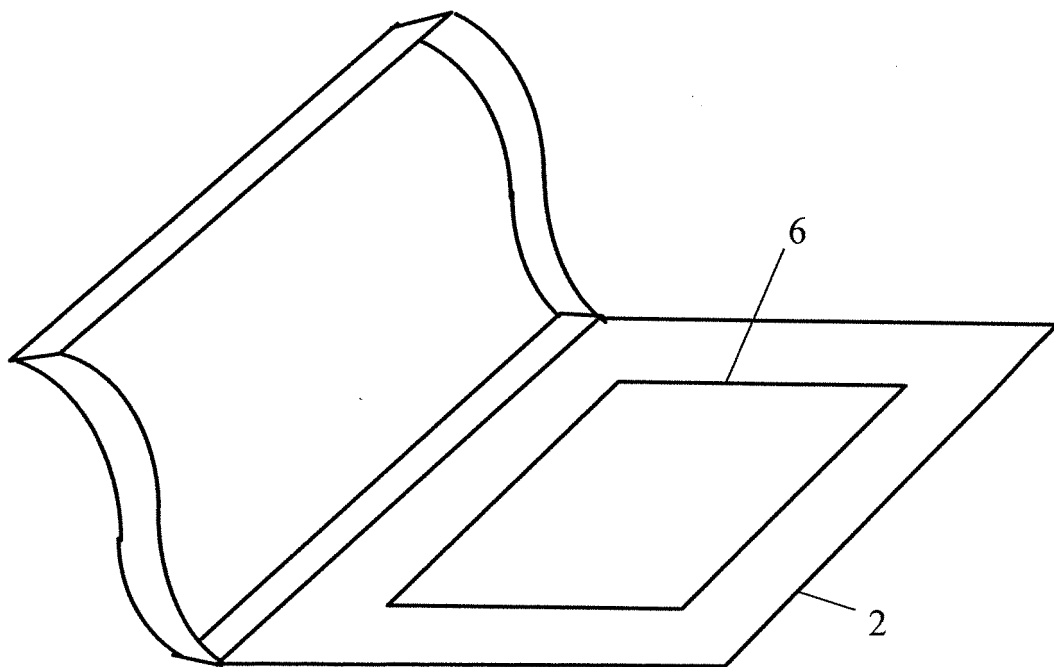


FIG 4

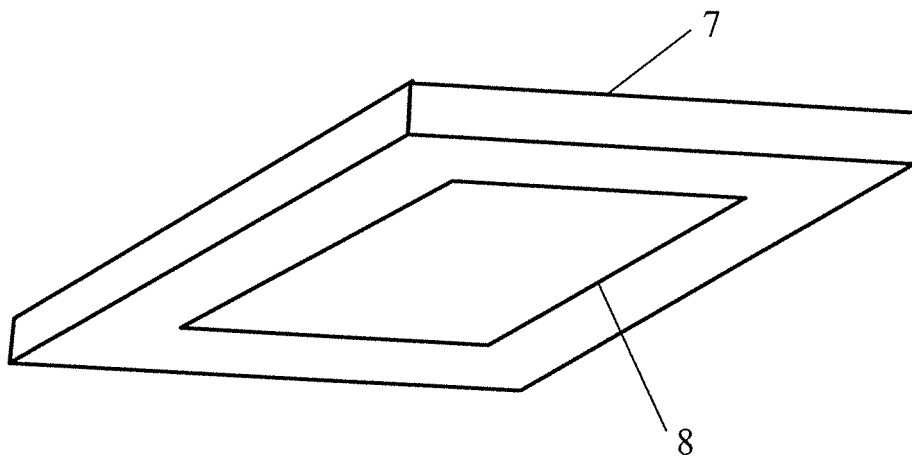


FIG 5

REFERENCES CITED IN THE DESCRIPTION

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