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(54) **A computer bag**

(57) The present utility model relates to a computer bag, comprising an upper part and a lower part, the combination of the two parts forms the space housing of the computer, wherein a damping device is set on the inner surfaces of both parts, the damping device consists of primer, plural strip bulging chests and heat dissipation areas, the strip bulging chests are configured on the primer with fillers inside, dissipation areas are set between every two bulging chests. Inside the computer bag, shock-absorbing damping bulging chests are provided

with fillers inside, the bulging chests are made from Nylon or Polyester, and the fillers are made from EVA, HDPE and Memory Foam, featuring excellent damping effect, light weight and convenient carryover; EVA and HDPE are easy to be self-decomposed, without contaminating the environment; heat dissipation areas are set between every two bulging chests so that the heat of the computer can be rapidly dissipated. Meanwhile, strip bulging chests are configured on the inner surfaces of the straps of the bag with soft fillers inside so as to intensify the comfortable sensation when taking the computer bag.

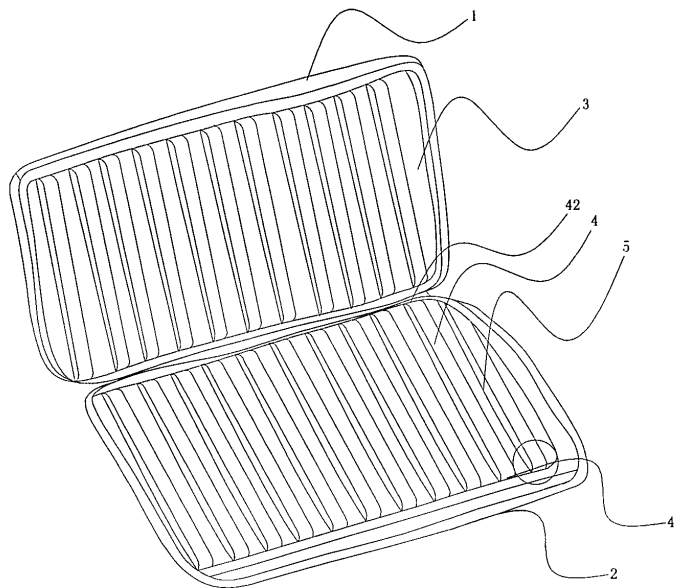


Figure 1

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## Description

### Field of technology

[0001] The present utility model relates to a computer bag or backpack with damping device which (damping or comforting device) is applicable to, in addition to the computer bag, other bags (for instance: shopping bag, schoolbag, rucksack, etc.) as well.

### Background of the technology

[0002] With the wide application of computers in people's lives and work, the styles of computer bags keep changing. To prevent computer from damage due to accidental dropping, some computer bags available in the market are provided with interlining on the inner layer of the bag, sponge or cotton is set inside the interlining for damping; another computer bag has airbags in the lining, which comprises an upper cover body, a lower cover body and an anti-vibration pad between them, on the anti-vibration pad is set a plurality of small airbags which can reduce the impact on the computer when the computer is encased between these airbags. The two damping ways are currently widely adopted, wherein the former one cannot obtain obvious damping effect due to the material itself (sponge or pearl cotton) and cannot be self-decomposed when discarding it, thus it is easy to contaminate environment; the latter one (airbag inflation damping) can reduce vibration, but the structure is relatively complicated, moreover, with longer time, the air pressure of airbag and the damping effect keeps decreasing and the service life is shorter.

### Summary of the utility model

[0003] The present utility model aims at providing a computer bag, wherein a plurality of strip bulging chests are set inside, the interior of the bulging chests is filled with environmentally friendly soft damping materials for relieving the impact on the computer, thus functioning as damping; strip bulging chests are also configured on the inner surfaces of the straps of the computer bag, the interior of the bulging chests is filled with environmental friendly soft materials, thus increasing the comfortable feeling for carryover.

[0004] To realize the abovementioned purposes, the present utility model adopts the following technical solution: a computer bag, comprising an upper part and a lower part, the combination of the two parts forms the space housing the computer, wherein a damping device is set on the inner surfaces of the both parts, the damping device consists of primer, plural strip bulging chests and heat dissipation areas, the strip bulging chests are configured on the primer with fillers inside, dissipation areas are set between every two bulging chests.

[0005] As to the computer bag, the fillers are made from EVA, HDPE and Memory Foam, and the strip bulg-

ing chests and primer are made from Nylon or Polyester.

[0006] As to the computer bag, the strip bulging chests are sewn onto the primer with uniform spacing, the upper port of the strip bulging chests is in the opening of the computer bag, the lower port is at the bottom of the computer bag.

[0007] As to the computer bag, the primer is a whole body that is sewn onto the inner surfaces of the upper part and the lower part after folding.

[0008] As to the computer bag, straps are provided on the computer bag, primer is set on the inner surface of the straps, wherein plural strip bulging chests are provided on the primer with spacing areas between strip bulging chests and fillers inside the strip bulging chests.

[0009] The computer bag, the fillers are made from EVA, HDPE and Memory Foam, strip bulging chests and primer are made from Nylon or Polyester.

[0010] After adopting the abovementioned structure, shock-absorbing damping bulging chests are provided in the computer bag with fillers inside, the bulging chests are made from Nylon or Polyester, and the fillers are made from EVA, HDPE and Memory Foam, featuring excellent damping effect, light weight and convenient carryover; EVA and HDPE are easy to self-decompose, without contaminating the environment; heat dissipation areas are set between every two bulging chests so that the heat of the computer can be rapidly dissipated. Meanwhile, strip bulging chests are configured on the inner surfaces of the straps of the bag with soft fillers inside so as to intensify the comfortable sensation when taking the computer bag.

### Description of the Drawings

[0011]

Figure 1 is the expanded view for the present utility model;

Figure 2 is the partial view of section for Figure 1;

Figure 3 is the stereoscopic view for the present utility model;

Figure 4 is the front view of the inner surfaces of the straps for the present utility model;

Figure 5 is the partial view of section for Figure 4;

Figure 6 is the embodiment sketch for the present utility model.

### Detailed description of the embodiments

[0012] The present utility model is further detailed in combination with the drawings for the better understanding of this utility model by the technical personnel in this art.

[0013] As shown in Figure 1~3, the present utility model discloses a computer bag, comprising an upper part 1 and a lower part 2, the combination of the two parts forms the space housing the computer, a damping device is set on the inner surfaces of the upper part 1 and the lower

part 2, the damping device consists of primer 3, plural strip bulging chests 4 and heat dissipation areas 5, the strip bulging chests 4 are configured on the primer 3 with fillers 6 inside, dissipation areas 5 are set between every two bulging chests 4, wherein:

The fillers 6 are made from EVA, HDPE and Memory Foam, and the strip bulging chests 4 and primer 3 are made from Nylon or Polyester.

**[0014]** The strip bulging chests 4 are sewn onto the primer 3 with uniform spacing, the upper port 41 of the strip bulging chests is in the opening of the computer bag, the lower port 42 is at the bottom of the computer bag.

**[0015]** When the computer bag is manufactured, the primer 3 is a whole body which is sewn onto the inner surfaces of the upper part 1 and the lower part 2 after folding.

**[0016]** The aforesaid damping device can also be used to the straps 7 of the computer bag, primer 8 is set on the inner surface of the straps 7, wherein plural strip bulging chests 9 are provided on the primer 8 with spacing areas 10 between strip bulging chests 9 and fillers 6 inside the strip bulging chests. The fillers 6 for the straps 7 are made from EVA, HDPE and Memory Foam, strip bulging chests 9 and primer 8 are made from Nylon or Polyester.

**[0017]** To sum up, shock-absorbing damping bulging chests 4 are provided in the computer bag with fillers 6 inside the bulging chests 4, the bulging chests 4 are made from Nylon or Polyester, and the fillers 6 are made from EVA, HDPE and Memory Foam, featuring excellent damping effect, light weight and convenient carryover; EVA and HDPE are easy to be self-decomposed, without contaminating the environment; heat dissipation areas 5 are set between every two bulging chests 6 so that the heat of computer used can be rapidly dissipated. Meanwhile, strip bulging chests 9 are configured on the inner surfaces of the straps 7 of the bag with soft fillers 6 inside so as to intensify the comfortable sensation when taking the computer bag.

## Claims

1. A computer bag, comprising an upper part and a lower part, the combination of the two parts forms the space housing of the computer, **characterized in that** a damping device is set on the inner surfaces of both parts, wherein the damping device consists of primer, plural strip bulging chests and heat dissipation areas, the strip bulging chests are configured on the primer with fillers inside, dissipation areas are set between every two bulging chests.
2. The computer bag according to Claim 1, **characterized in that** the fillers are made from EVA, HDPE

and Memory Foam, and the strip bulging chests and primer are made from Nylon or Polyester.

3. The computer bag according to Claim 1, **characterized in that** the strip bulging chests are sewn onto the primer with uniform spacing, the upper port of the strip bulging chests is in the opening of the computer bag, the lower port is at the bottom of the computer bag.
4. The computer bag according to Claim 1, **characterized in that** the primer is a whole body which is sewn onto the inner surfaces of the upper part and the lower part after folding.
5. The computer bag according to Claim 1, **characterized in that** straps are provided on the computer bag, primer is set on the inner surface of the straps, wherein plural strip bulging chests are provided on the primer with spacing areas between strip bulging chests and fillers inside the strip bulging chests.
6. The computer bag according to Claim 5, **characterized in that** the fillers are made from EVA, HDPE and Memory Foam, strip bulging chests and primer are made from Nylon or Polyester.

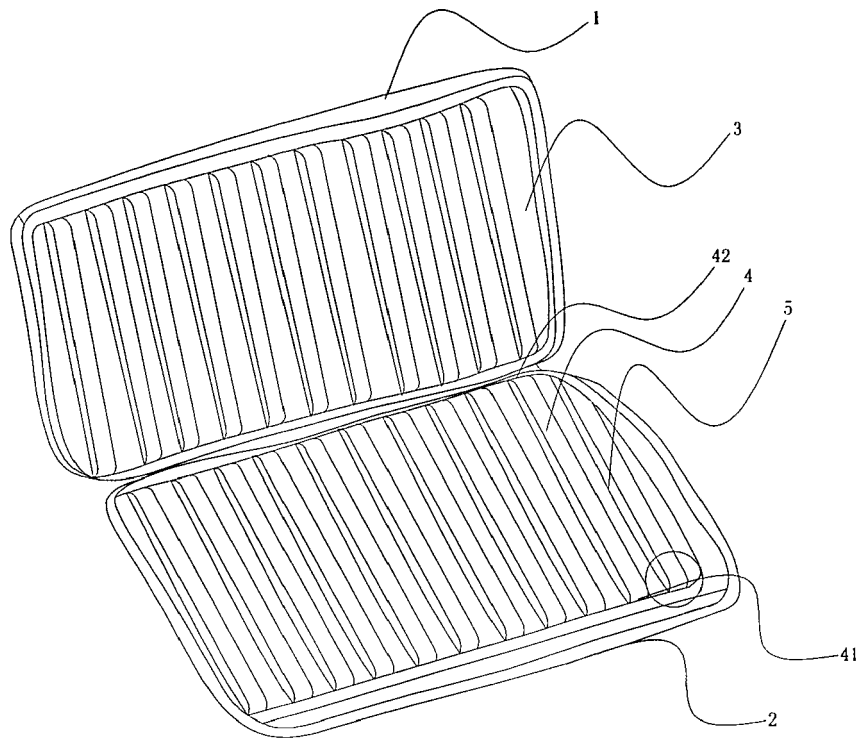


Figure 1

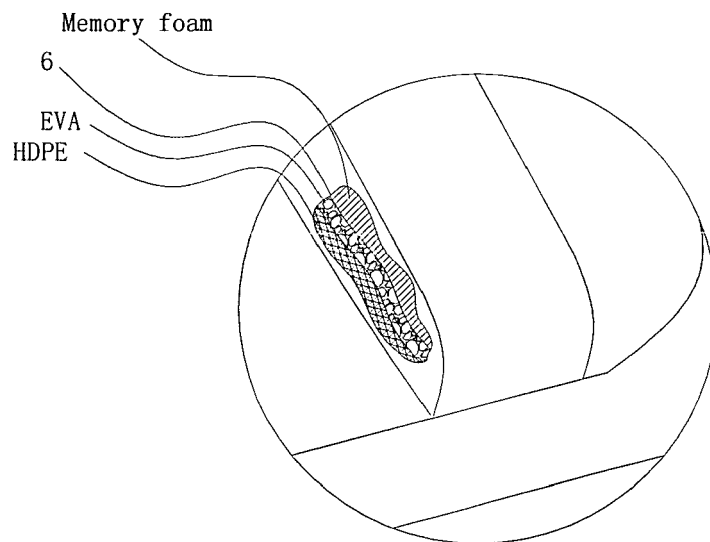


Figure 2

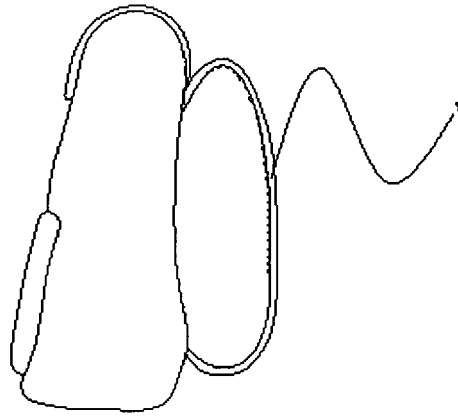


Figure 3

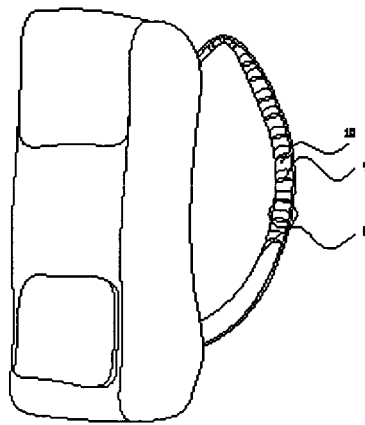


Figure 4

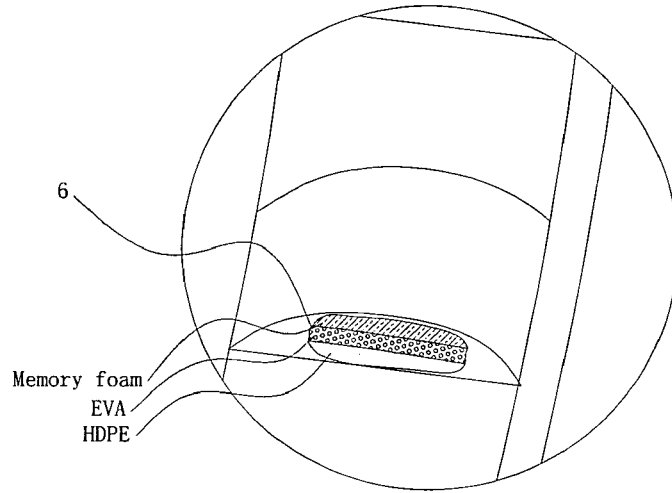


Figure 5

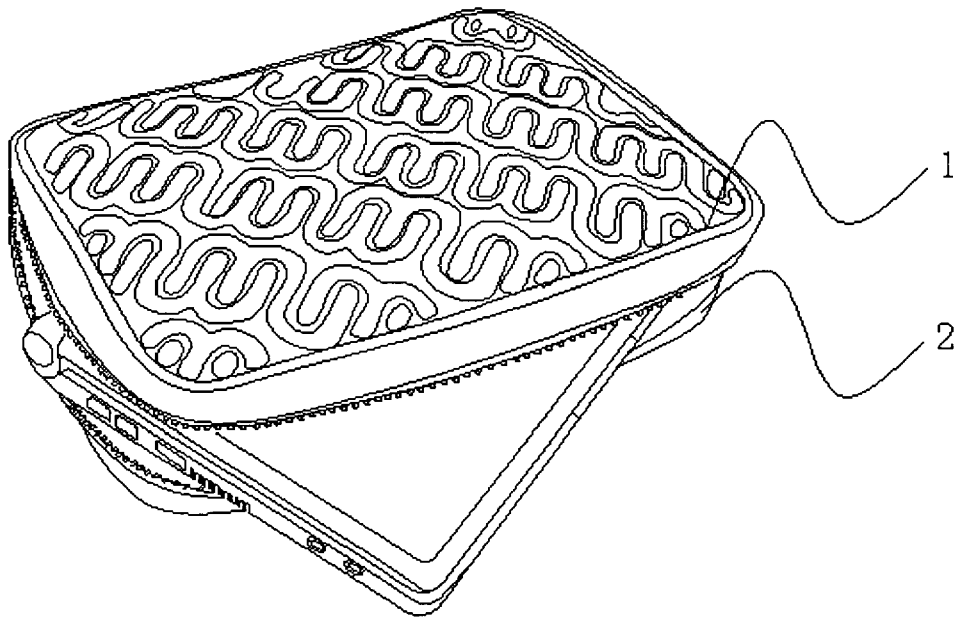


Figure 6



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Application Number  
EP 10 07 5168

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1 The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 16 August 2010	Examiner Lommel, André
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		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	

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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