



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
24.08.2011 Bulletin 2011/34

(51) Int Cl.:
A47G 9/10 (2006.01)

(21) Application number: **10177585.6**

(22) Date of filing: **20.09.2010**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR
Designated Extension States:
BA ME RS

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(30) Priority: **12.02.2010 US 704543**

(54) **Hollow pillow with a concave top and a grooved bottom**

(57) An elastomeric pillow (1) includes a concave top surface (11); a bottom surface (14) comprising a transverse groove (13) with two open ends; and a hollow (12)

for circulation being in communication with the top surface (11) and the groove (13). The hollow (12) is not centered with respect to each of the groove (13) and the top surface (11).

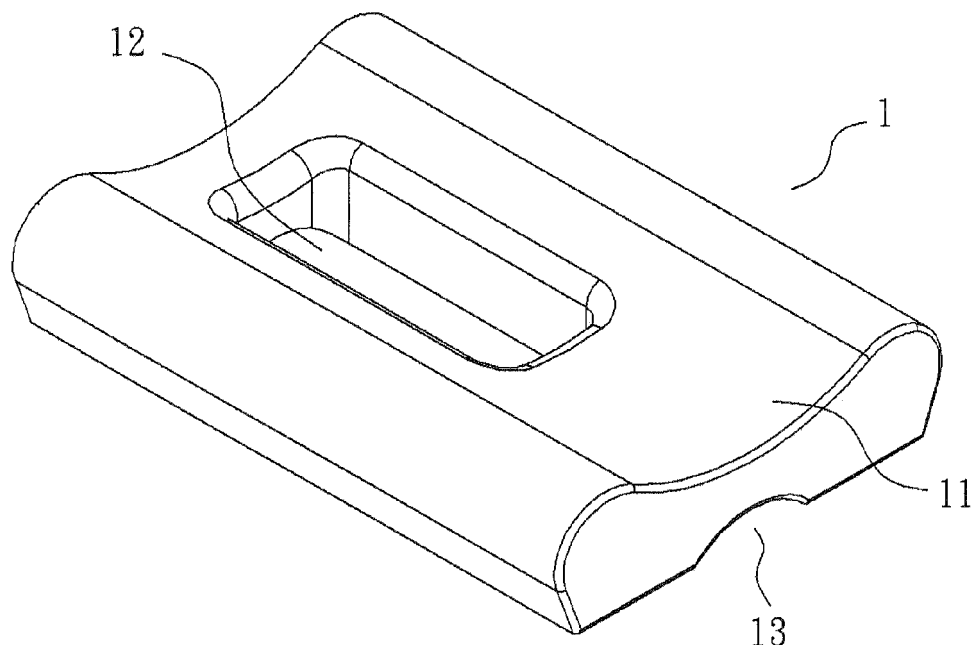


FIG. 1

Description

1. Field of Invention

[0001] The invention relates to pillows and more particularly to a hollow pillow having a concave top and a grooved bottom with improved characteristics including enhanced circulation.

2. Description of Related Art

[0002] Pillow is a large cushion support for the head, usually used while sleeping in a bed, or for the body as used on a couch or chair. Pillows with novel filler for improving health (i.e., health pillows) are commercially available. However, their health effects are not well proved.

[0003] The inventor is aware of the above problem and a need for an improved pillow. The inventor thus spends a lot of time to device a health pillow in order to contribute significantly to the advancement of the art.

SUMMARY OF THE INVENTION

[0004] It is therefore one object of the invention to provide an elastomeric pillow comprising a concave top surface; a bottom surface comprising a transverse groove having two open ends; and a hollow for communicating with the top surface and the groove, wherein the hollow is not centered with respect to each of the groove and the top surface.

[0005] The above and other objects, features and advantages of the invention will become apparent from the following detailed description taken with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0006]

FIG. 1 is a perspective view of a preferred embodiment of pillow according to the invention;
 FIG. 2 is another perspective view of the pillow being inverted;
 FIG. 3A is an environmental view of the pillow with back of a head of a person being rested on the hollow while sleeping in a bed;
 FIG. 3B is a schematic side elevation of FIG. 3A showing flow of air through the hollow for circulation;
 FIG. 4A is an environmental view of the pillow with the back of the head of the person being rested between the hollow and one side of the pillow while sleeping in a bed;
 FIG. 4B is a schematic side elevation of FIG. 4A;
 FIG. 5 is an environmental view of the pillow with one cheek of the person being rested between the hollow and one side of the pillow while sleeping in a bed;

FIG. 6 is an environmental view of the pillow with the other cheek of the person being rested between the hollow and one side of the pillow while sleeping in a bed;

FIG. 7 is an environmental view of the pillow showing a turning of the head of the person while sleeping in a bed;

FIG. 8A is an environmental view of the pillow with face of the person being rested on the hollow while sleeping in a bed; and

FIG. 8B is a schematic side elevation of FIG. 8A showing flow of air through the hollow for circulation.

DETAILED DESCRIPTION OF THE INVENTION

[0007] Referring to FIGS. 1 to 8B, a pillow 1 in accordance with a preferred embodiment of the invention comprises the following components as discussed in detail below.

[0008] The pillow 1 is made of an elastomeric material (e.g., elastomer). The pillow 1 comprises a concave top surface 11 having curved front and rear ends, a transverse groove 13 on a flat bottom surface 14, the groove 13 having two open ends, and a hollow 12 of substantially rectangular section in communication with the top surface 11 and the groove 13. The hollow 12 is not centered with respect to each of the groove 13 and the top surface 11, i.e., the hollow 12 being off center.

[0009] Referring to FIGS. 3A and 3B specifically, a person A may have back of the head A1 rested on the hollow 12 and the face A2 facing upward while sleeping in a bed (not shown). It also shows flow of air through the hollow 12 for circulation. It is contemplated by the invention that a good sleep can be rendered.

[0010] Referring to FIGS. 4A and 4B specifically, the person A may have the back of the head A1 rested between the hollow 12 and one side of the top surface 11 and the face A2 facing upward while sleeping in a bed (not shown). It is contemplated by the invention that a good sleep can be rendered.

[0011] Referring to FIGS. 5 and 6 specifically, the person A may have one cheek rested between the hollow 12 and one side of the top surface 11 and the face A2 facing the other side of the top surface 11 while sleeping in a bed (not shown). It is contemplated by the invention that a good sleep can be rendered.

[0012] Referring to FIG. 7 specifically, it shows a 90-degree turning of the head A1 while sleeping in a bed with the face A2 facing upward being changed into facing the other side of the top surface 11. It is contemplated by the invention that a good sleep can be rendered.

[0013] Referring to FIGS. 8A and 8B specifically, the person A may have the face A2 rested on the hollow 12 while sleeping in a bed (not shown). It also shows flow of air through the hollow 12 for circulation. It is contemplated by the invention that a good sleep can be rendered.

[0014] While the invention herein disclosed has been described by means of specific embodiments, numerous

modifications and variations could be made thereto by those skilled in the art without departing from the scope and spirit of the invention set forth in the claims.

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Claims

1. An elastomeric pillow comprising:

a concave top surface;
a bottom surface comprising a transverse groove having two open ends; and
a hollow for communicating with the top surface and the groove.

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2. The elastomeric pillow of claim 1, wherein the hollow is not centered with respect to each of the groove and the top surface.

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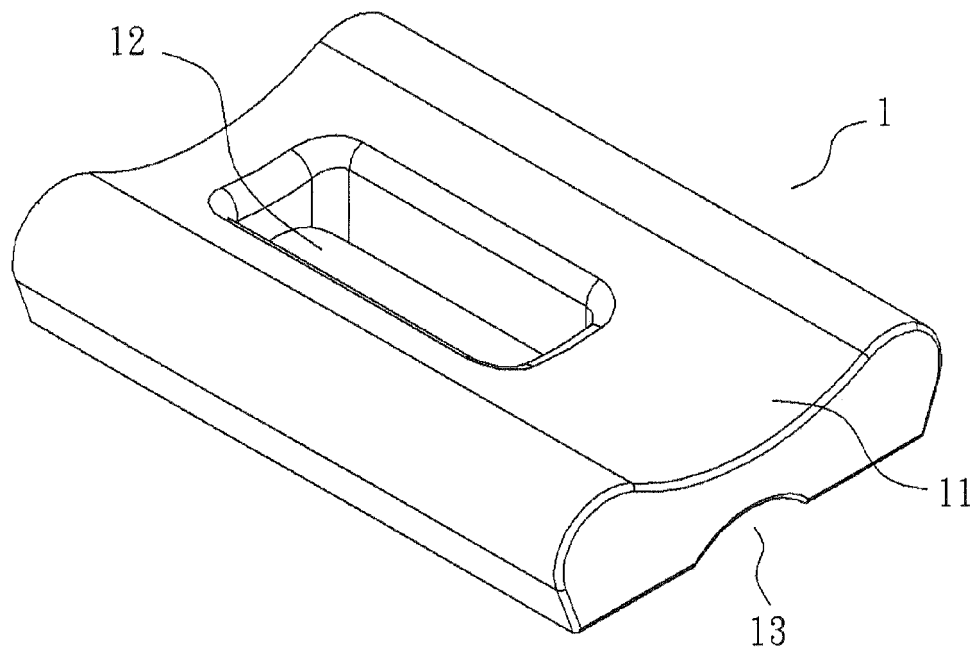


FIG. 1

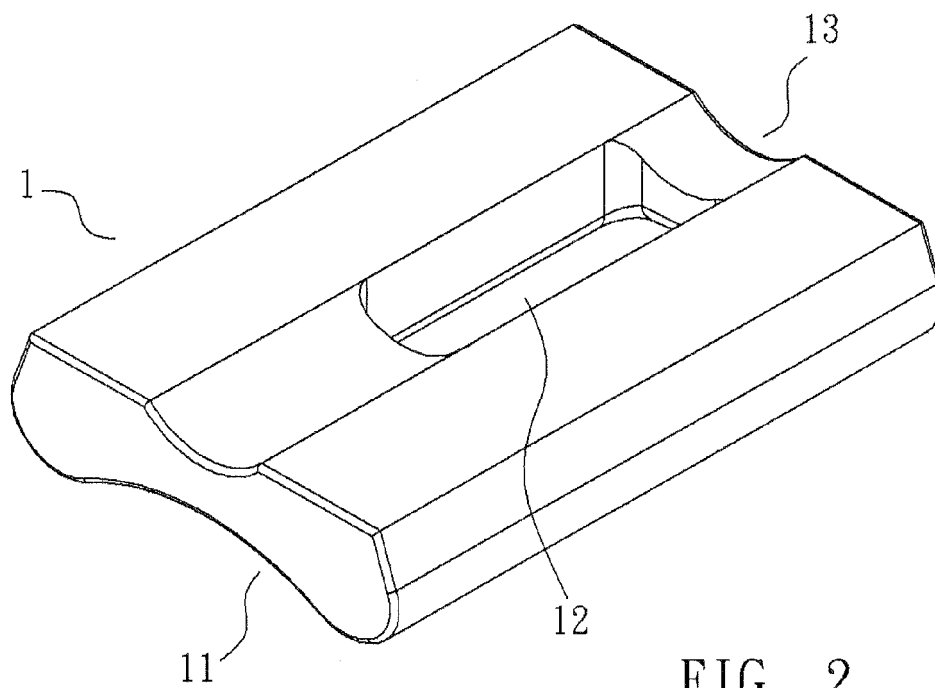


FIG. 2

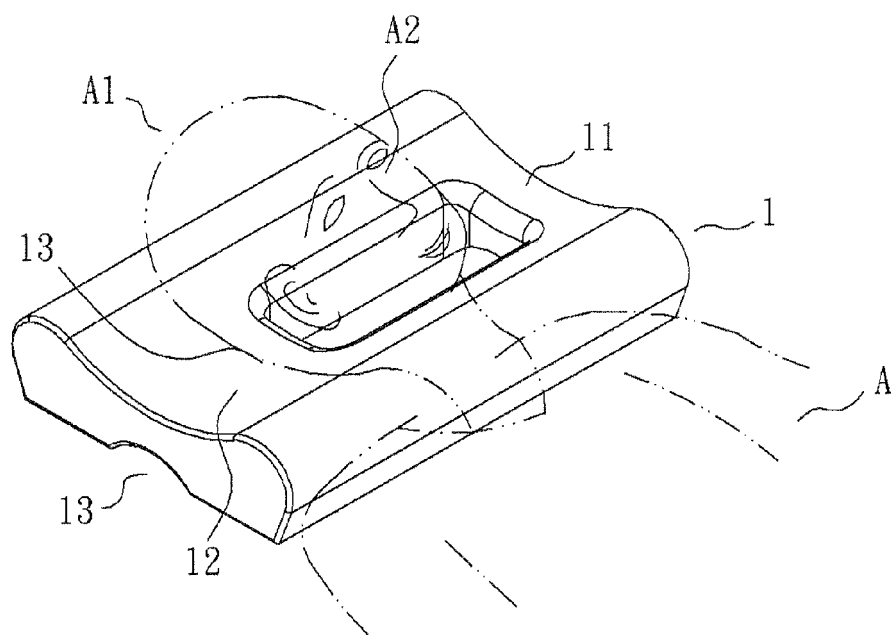


FIG. 3-A

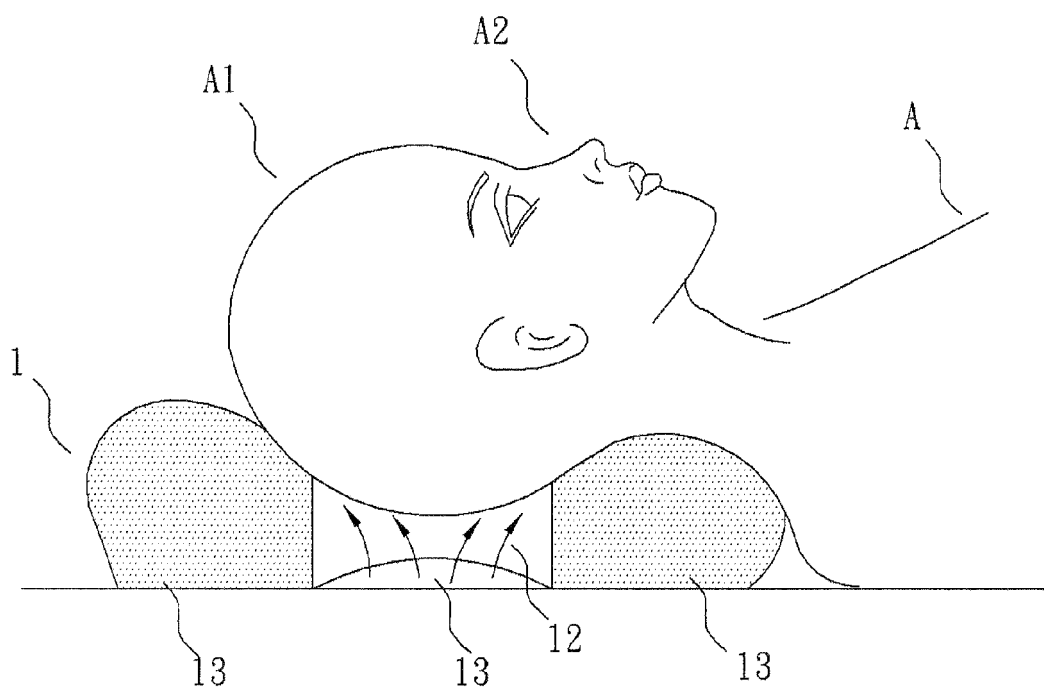


FIG. 3-B

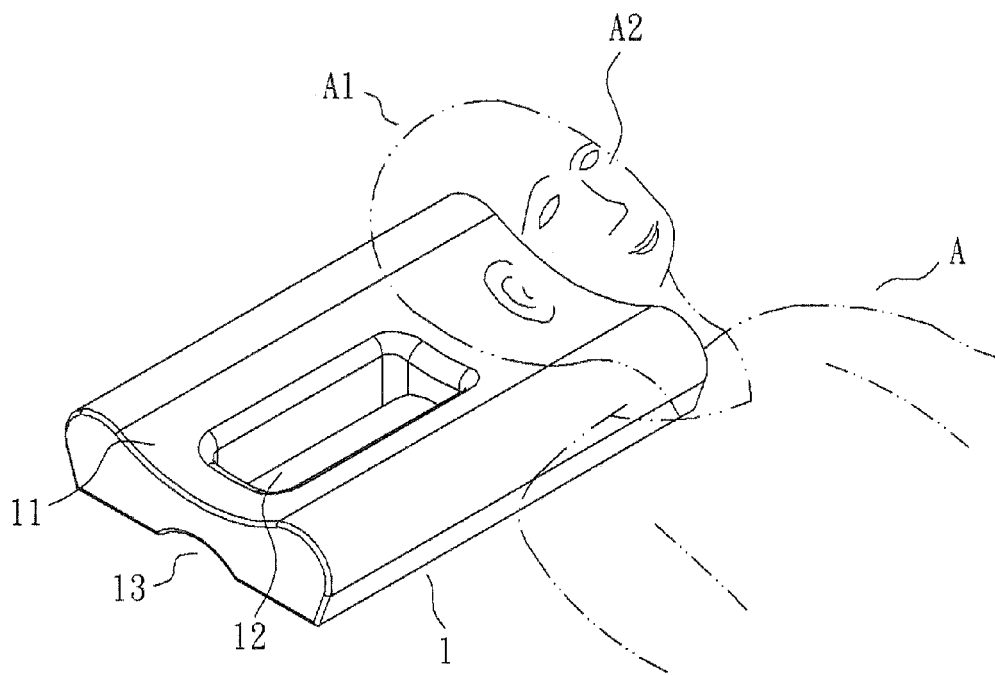


FIG. 4-A

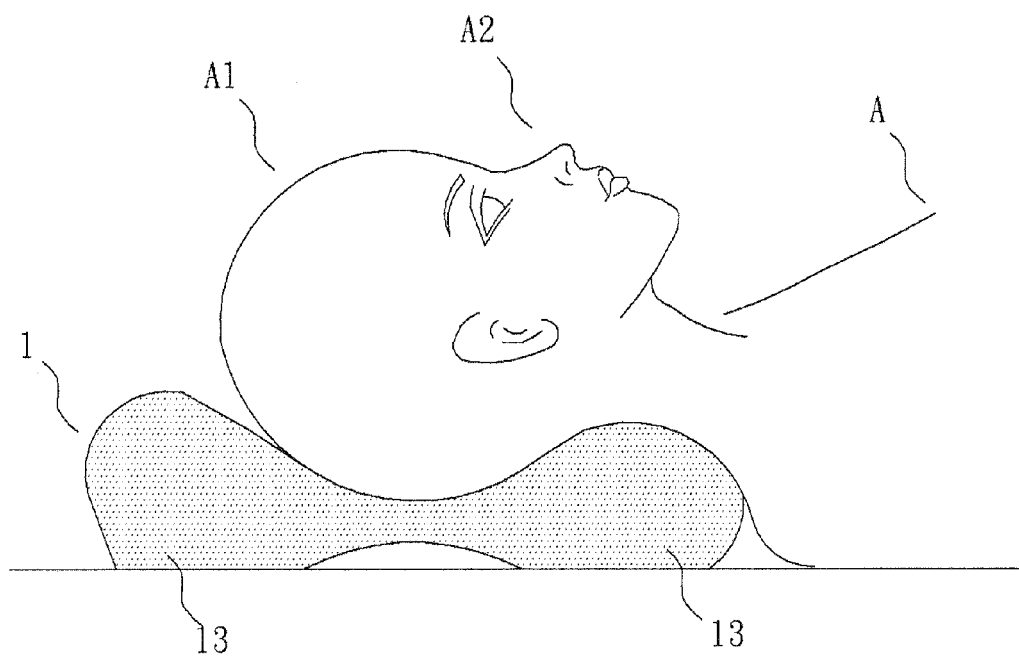


FIG. 4-B

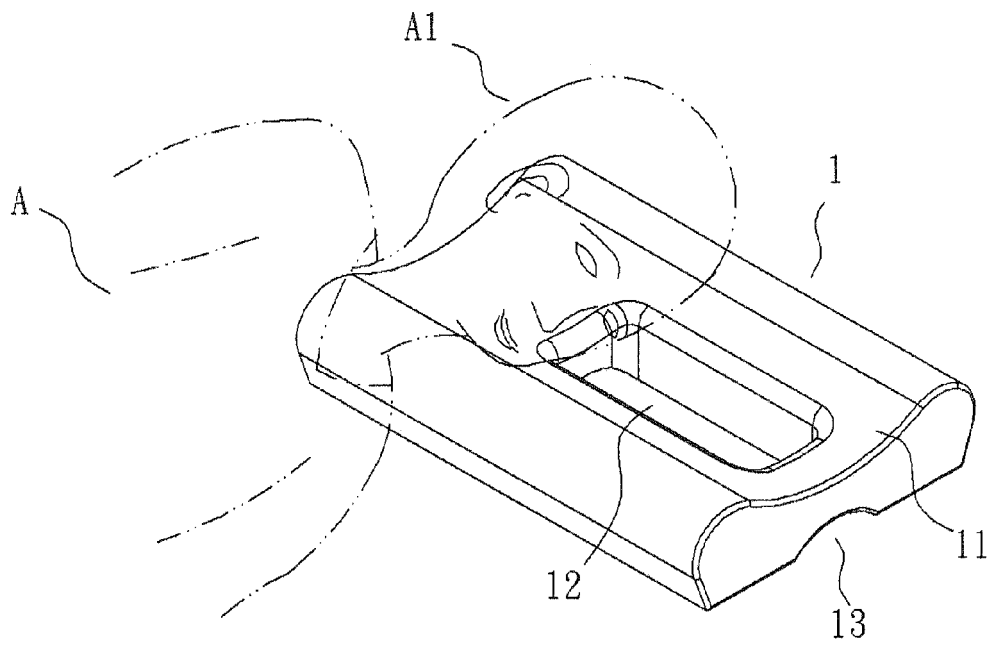


FIG. 5

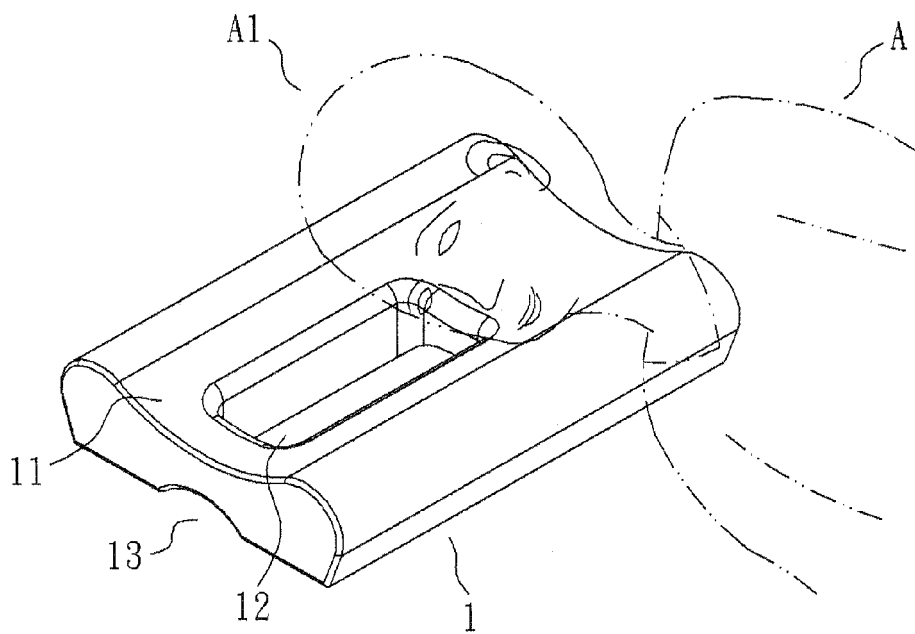


FIG. 6

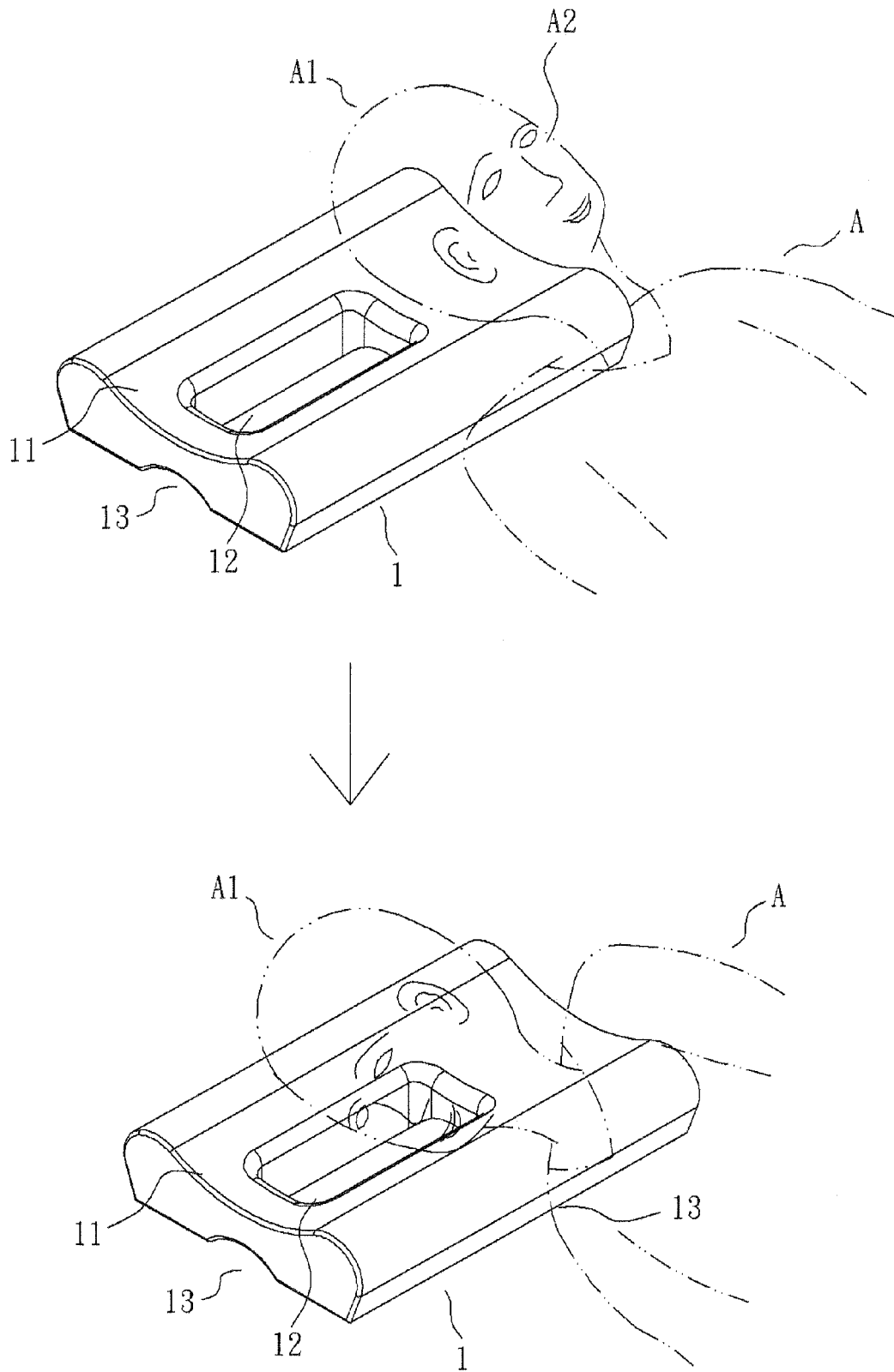


FIG. 7

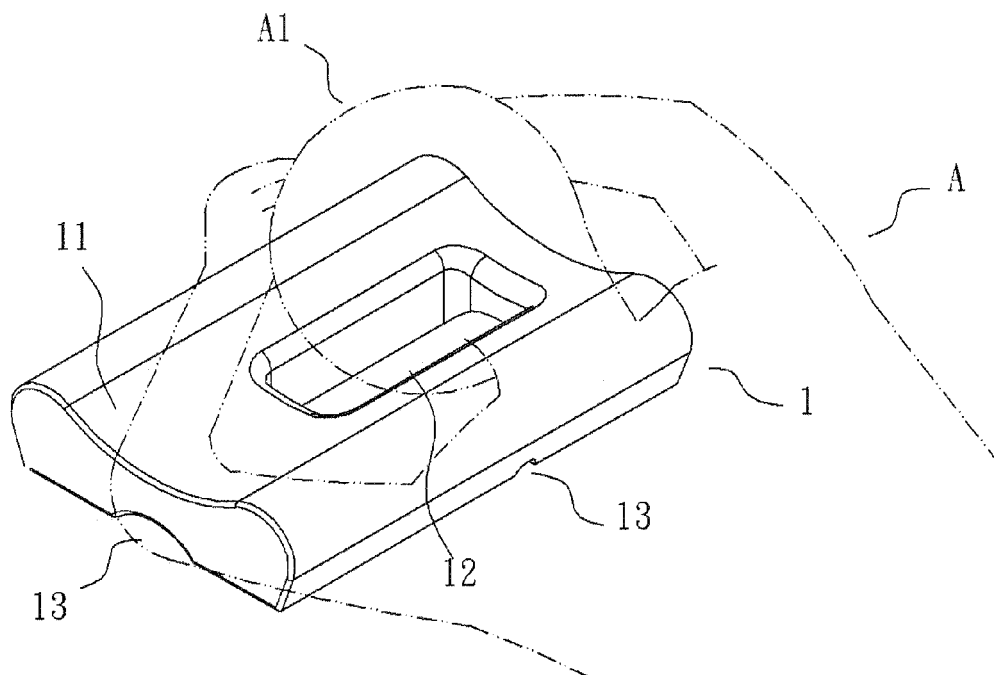


FIG. 8-A

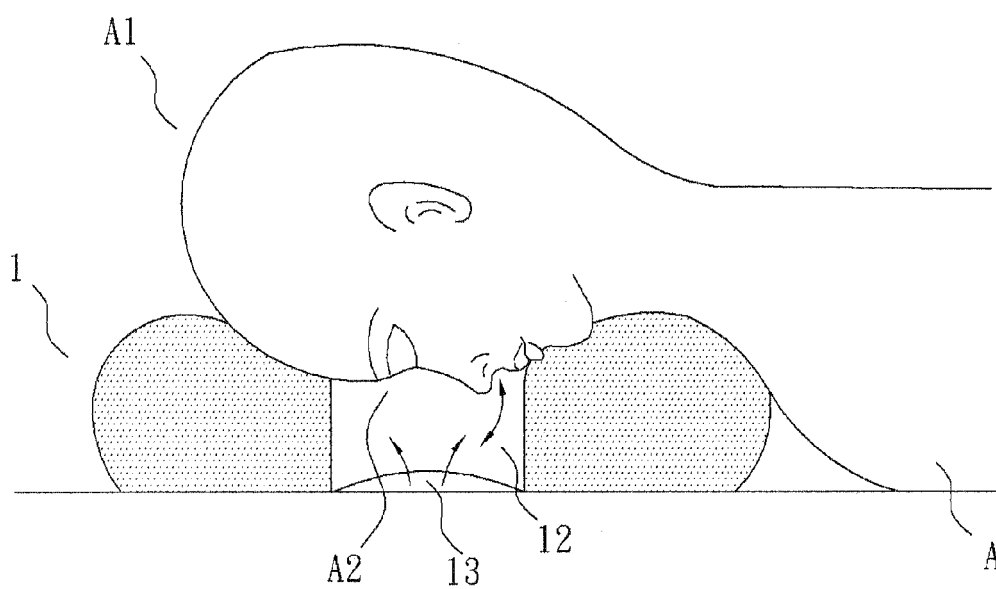


FIG. 8-B



EUROPEAN SEARCH REPORT

Application Number
EP 10 17 7585

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 3 337 883 A (ALLISON) 29 August 1967 (1967-08-29) * column 2, line 13 - column 3, line 23 * * figures 1-5 * -----	1,2	INV. A47G9/10
X	US 3 124 812 A (MILTON) 17 March 1964 (1964-03-17) * the whole document * -----	1,2	
X	US 2008/092296 A1 (GUEZ) 24 April 2008 (2008-04-24) * the whole document * -----	1	
Y	US 5 025 518 A (SUMMER) 25 June 1991 (1991-06-25) * column 4, line 4 - column 6, line 2; figures 1-3 * -----	1,2	
Y	US 5 926 879 A (DAVIS) 27 July 1999 (1999-07-27) * column 6, line 66 - column 7, line 22 * * figure 11 * -----	1,2	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			A47G
Place of search		Date of completion of the search	Examiner
The Hague		11 November 2010	Witkowska-Piela, A
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	

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 10 17 7585

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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11-11-2010

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