(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number: **0 309 020 A1**

(12) EUROPEAN PATENT APPLICATION

(21) Application number: **88201899.7**

(22) Date of filing: **05.09.88**

(51) Int. Cl.4: **A47C 19/02 , A47C 20/04 , A47C 7/40**

(30) Priority: **15.09.87 IT 2233187 U**

(43) Date of publication of application:
29.03.89 Bulletin 89/13

(84) Designated Contracting States:
AT BE CH DE ES FR IT LI NL

(71) Applicant: **B & B ITALIA S.p.A.**
Corso Europa 22
Milano(IT)

(72) Inventor: **Bonetti, Massimo**
Via Dolo 105
Puello di Stra' Venezia(IT)
Inventor: **Manente, Giuseppe**
Via Dolo 105
Puello di Stra' Venezia(IT)
Inventor: **Mion, Abramo**
Via Dolo 105
Puello di Stra' Venezia(IT)

(74) Representative: **Raimondi, Alfredo, Dott. Ing.**
Prof. et al
Studio Tecnico Consulenza Brevetti Piazzale
Cadorna 15
I-20123 Milano(IT)

(54) Bedhead with a pillow backrest which can be rotated into a plurality of positions.

(57) A structure for bedheads, sofas and the like that is formed by a column (5) connected vertically to the base structure of the bed or sofa at each of the locations provided to the rear of the sleeping or sitting surface, bearing a pin (8) with an oblique axis to which a substantially rectangular stuffed backrest (11) is connected, which backrest (11) can be rotated about the axis of the pin (8) into several positions of use.

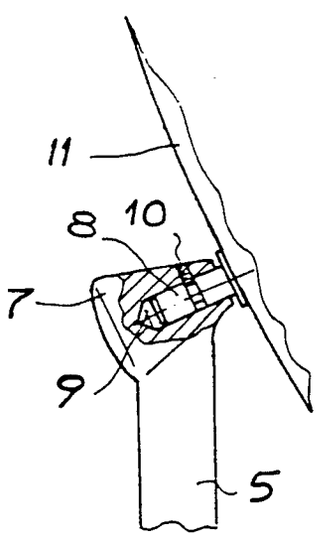

Fig. 4

EP 0 309 020 A1

BEDHEAD WITH A PILLOW BACKREST WHICH CAN BE ROTATED INTO A PLURALITY OF POSITIONS

The present invention relates to a structure for bedheads, sofa backs and the like with a pillow backrest which can be rotated into a plurality of positions.

Bedheads, in addition to having a decorative function, are normally designed to provide support for the user when he wishes to lie in a partially raised or sitting position, rather than stretched out, for example for reading.

For this purpose several pillows may be disposed against the bedhead so as to provide support in the desired position, which may be raised to varying extents depending on circumstances, but this solution is precarious and unstable and is in any case temporary and does not provide sufficient comfort.

There is therefore a need for a bedhead which can provide such support itself, even if a pillow is not interposed, in several differently inclined and orientated positions so as to provide the most comfortable support in all circumstances, using a particularly simple structure.

These results are achieved by the present invention, which provides a structure for bedheads, sofas and the like which is formed by a column connected vertically to the base structure of the bed or sofa at each of the locations provided to the rear of the sleeping or sitting surface, bearing a pin with an oblique axis to which a substantially rectangular stuffed backrest is connected, which backrest can be rotated about the axis of the pin into several positions of use.

The stuffed backrest is provided with an internal bearing panel to which the pin is rigidly connected and to which the stuffed portion is connected, which panel is forwardly flexible and resistant to rearward bending.

The backrest may be rotated into the desired positions by forwardly bending its internal panel beyond the positions in which it interferes with the sleeping or sitting surface.

For this purpose the panel of the backrest is provided with rear ribs with transverse notches, having opposite surfaces which open out with forward bending and are brought into contact with rearward bending.

The pin is connected to the backrest in an eccentric position at least with respect to one of the main dimensions of the backrest itself; the pin also has an axis at right angles to the direction of the larger dimension of the backrest and an axis which is oblique with respect to the direction of the smaller dimension of the backrest, thereby providing a large number of arrangements and orientations simply by rotation about the axis of the pin.

Further details are given in the following description with reference to the attached drawings, in which:

Fig. 1 is a side view of a bedhead of the invention in one position;

Fig. 2 shows the bedhead of Fig. 1 in a second position;

Fig. 3 shows the bedhead of Fig. 1 in a third position;

Fig. 4 shows a detail of the support of the pillow member of the bedhead;

Fig. 5 is a front view of the bedhead in one position;

Fig. 6 is a front view of the bedhead in a different position;

Fig. 7 is a top view of the bedhead structure in one position;

Fig. 8 is a top view of the bedhead structure in a different position;

Fig. 9 shows a double bed with the bedhead of the invention fitted with stuffed members in one position;

Fig. 10 shows a double bed with the bedhead of the invention fitted with stuffed members in a different position;

Fig. 11 shows a double bed with the bedhead of the invention fitted with stuffed members in a different position;

Fig. 12 shows a double bed with the bedhead of the invention fitted with stuffed members in a further position;

As shown in the Figures, the bedhead of the invention comprises a bed structure 1 bearing a sleeping surface formed by a mattress 2 and having a rear bracket or shelf 3 and bearing on the ground via relative legs 4.

A column 5, bearing a stuffed backrest 6 in an articulated manner is connected to the bracket 3 at the location of one position of the bed, in the case of a twin bed, or in the median position in the case of a single bed.

As shown in detail in Fig. 4, the column 5 has a top portion 7 with an oblique axis having a seat for a pin 8 which is rotatably inserted in a hole 9 of the portion 7 and locked in position, in the axial direction, by a bolt 10.

A substantially rectangular panel 11 forming the bearing member of the backrest is rigidly connected to the pin 8, to which panel there is connected the stuffed portion 12 shown diagrammatically in the Figures.

The pin 8 is connected to the panel 11 in a median position with respect to the two sides, in

particular with respect to the larger sides, while it is placed in a lateral position with respect to the smaller sides; the axis of the pin 8 is also oblique with respect to the direction of the smaller dimension of the panel 11 while it is at right angles to the direction of the larger dimension of the panel.

In this way, as shown in Fig. 2 and outlined in Figs. 9 and 10, the backrest may be rotated about the axis of the pin 8, which is oblique with respect to the axis of the column 5, by 180°, thereby varying its inclination and height, moving it from a position which is substantially vertical and raised with respect to the mattress 2 to a position which is oblique and lowered designed, for example, to provide a support for reading or resting.

As shown in Fig. 3, a rotation through 90° with respect to the positions of Figs. 1 or 2 also makes it possible to dispose the backrest in the raised position with the larger dimension in a substantially vertical direction, for example to provide support in the sitting position.

As shown in Figs. 6 and 8, where a single panel 11 of the backrest is shown and the stuffed portion is omitted, and as can be seen diagrammatically in Figs. 11 and 12, two positions are possible with the larger side of the backrest extending in a vertical direction, entailing an orientation of the backrest in the lateral direction in one or other direction as a result of the inclination of the pin 8 with respect to the panel 11.

The rotation of the backrest 6 is made possible, despite the interference due to the presence of the mattress 2, by the flexibility of the panel 11 in the direction of the arrow F of Figs. 2 and 3 which makes it possible to bend the panel forwardly during rotation until the desired position is reached and in which the backrest remains partially bent.

In order to allow this bending of the panel 11 without having to make it excessively deformable and consequently unable to provide the necessary support, the panel is provided with rear ribs 13 extending radially from the area of connection of the pin 8 and advantageously provided with a plurality of transverse notches; these notches therefore enable, when they are opened out, the forward bending of the panel, while they oppose, when their facing surfaces are brought into contact, a rearward bending of the panel 11 which is consequently adequately stiffened in this direction to provide the necessary support.

The flexibility of the panel 11 in one direction together with its inflexibility in the opposite direction may also be obtained in other known ways.

Although the backrest structure of the invention has been described in detail with respect to its use as a bedhead for twin or single beds, it can also be used with armchairs and sofas providing the same adjustment features as described above.

Many variants can be made without departing from the general scope of the invention.

Claims

1. A structure for bedheads, sofas and the like characterized in that it is formed by a column connected vertically to the base structure of the bed or sofa at each of the locations provided to the rear of the sleeping or sitting surface, bearing a pin with an oblique axis to which a substantially rectangular stuffed backrest is connected, which backrest can be rotated about the axis of the pin into several positions of use.

2. A structure for bedheads, sofas and the like as claimed in claim 1, characterized in that the stuffed backrest is provided with an internal bearing panel to which the pin is rigidly connected and to which the stuffed portion is connected, which panel is forwardly flexible and resistant to rearward bending.

3. A structure for bedheads, sofas and the like as claimed in claim 2, characterized in that the backrest may be rotated into the desired positions by forwardly bending its internal panel beyond the positions in which it interferes with the sleeping or sitting surface.

4. A structure for bedheads, sofas and the like as claimed in claims 2 and 3, characterized in that the panel of the backrest is provided with rear ribs with transverse notches, having opposite surfaces which open out with forward bending and are brought into contact with rearward bending.

5. A structure for bedheads, sofas and the like as claimed in claim 1, characterized in that the pin is connected to the backrest in an eccentric position at least with respect to one of the main dimensions of the backrest itself.

6. A structure for bedheads, sofas and the like as claimed in claim 1, characterized in that the pin has an axis at right angles to the direction of the larger dimension of the backrest and an axis which is oblique with respect to the direction of the smaller dimension of the backrest.

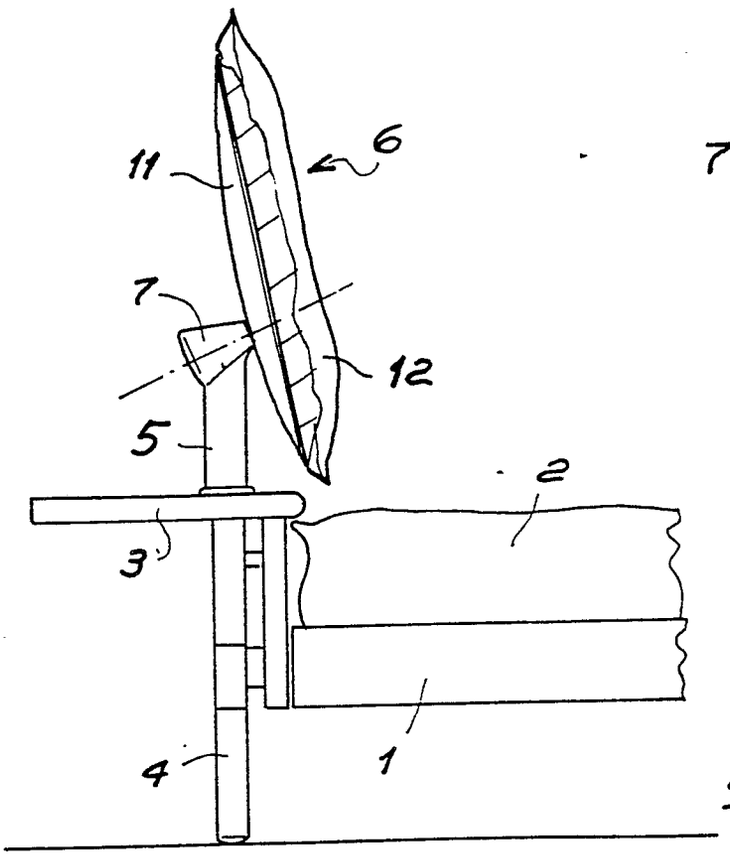

Fig. 1

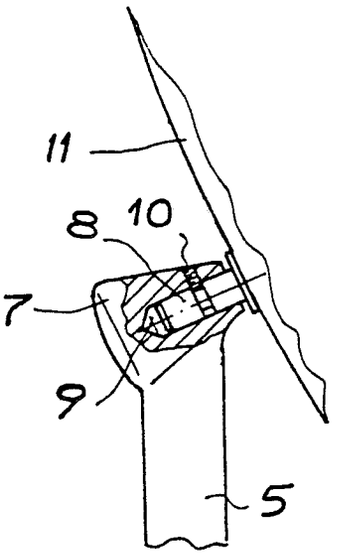

Fig. 4

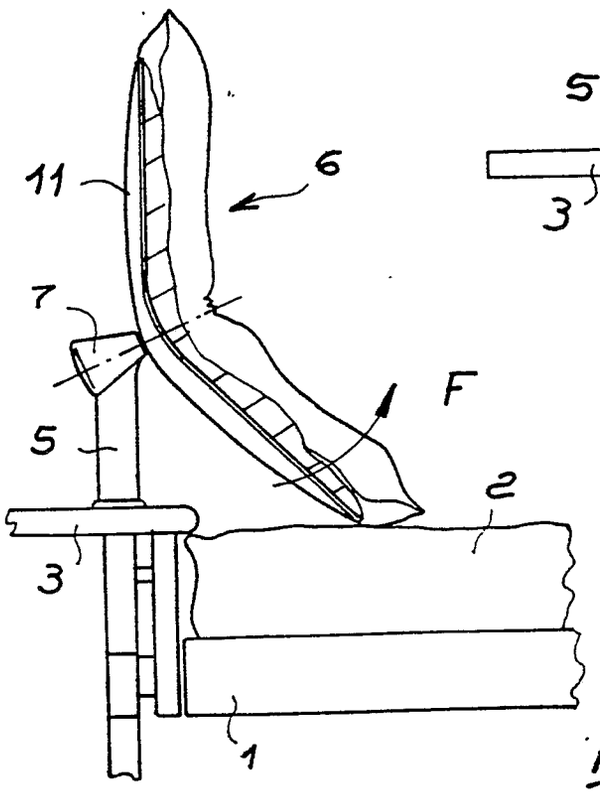

Fig. 3

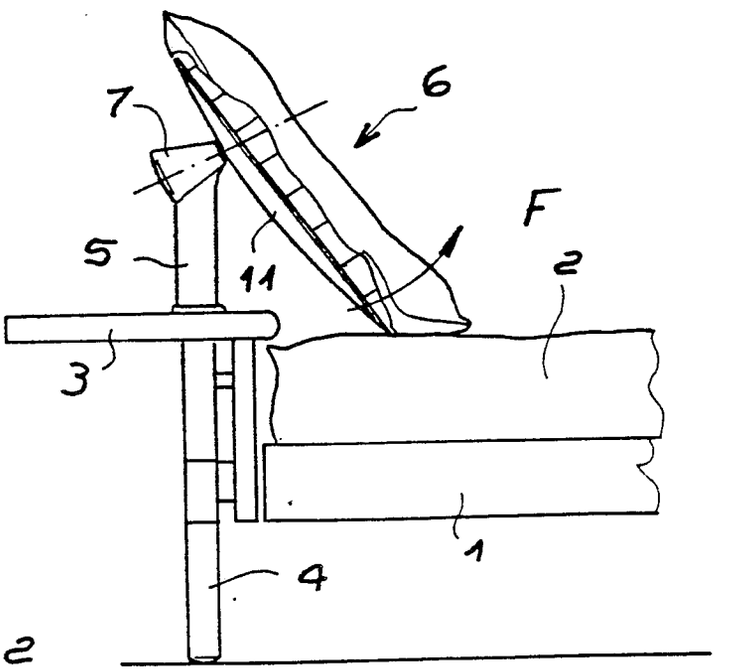

Fig. 2

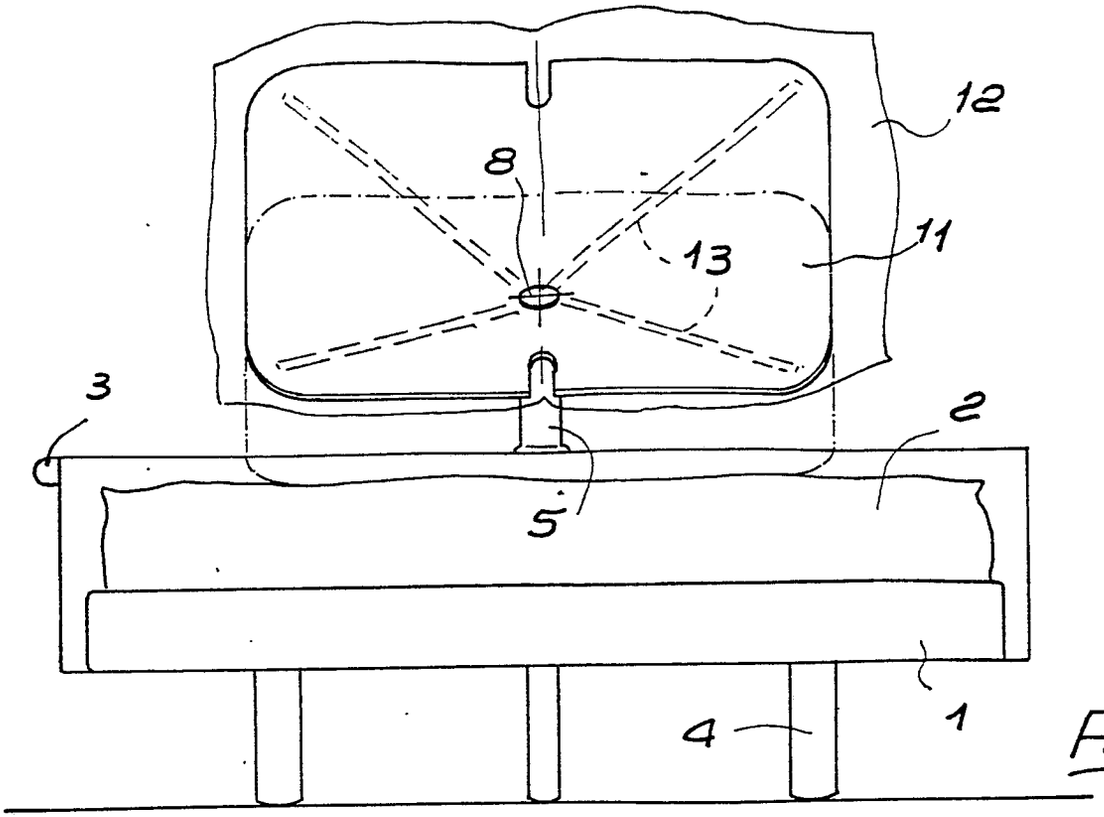

Fig. 5

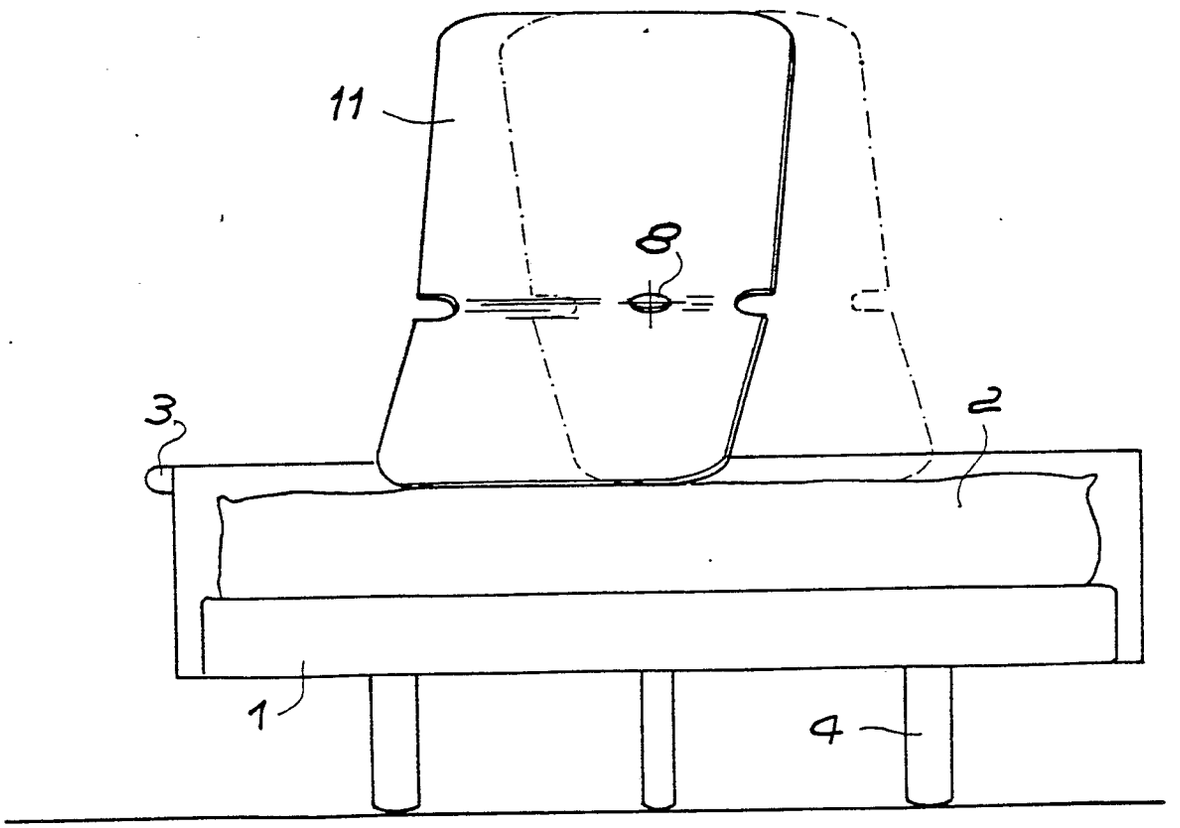

Fig. 6

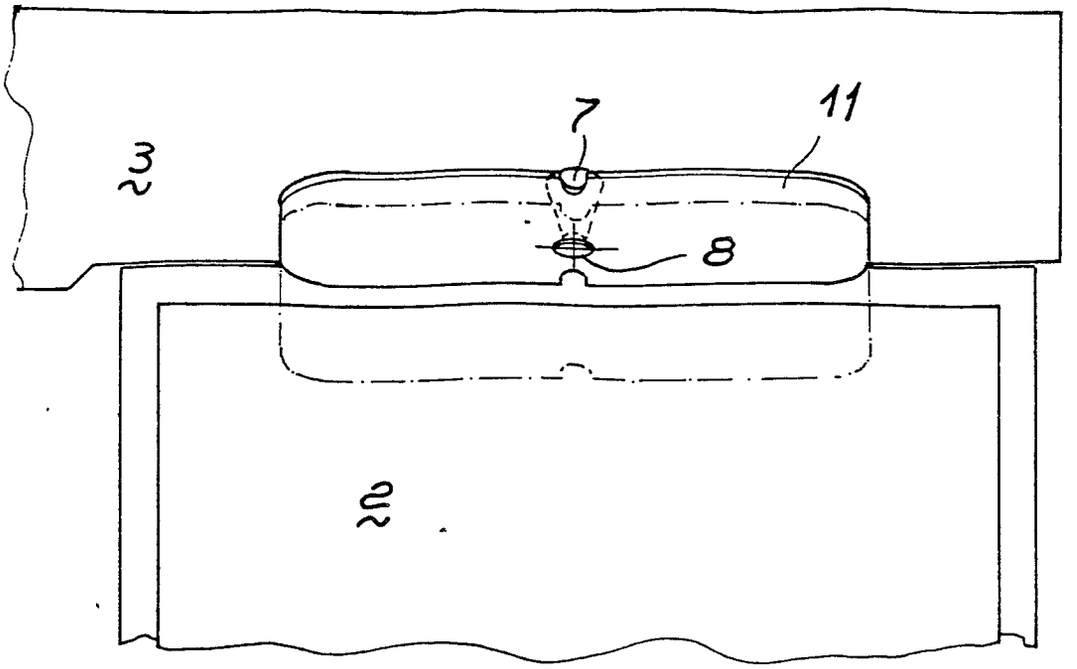

Fig. 7

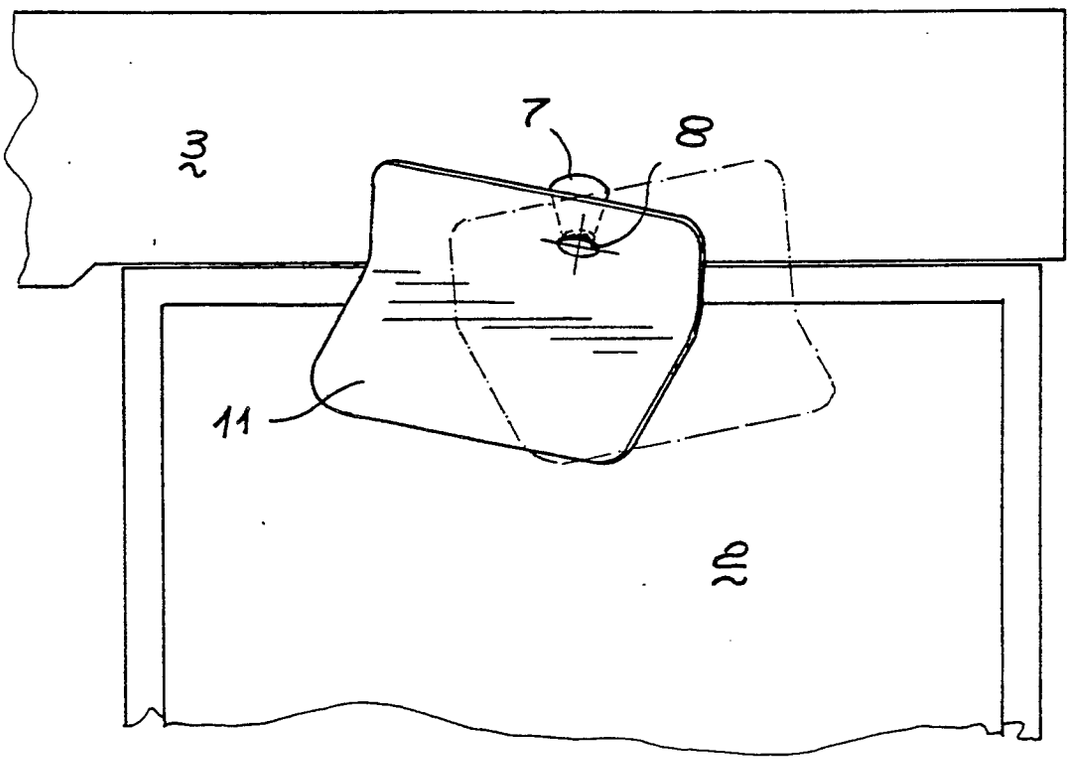

Fig. 8

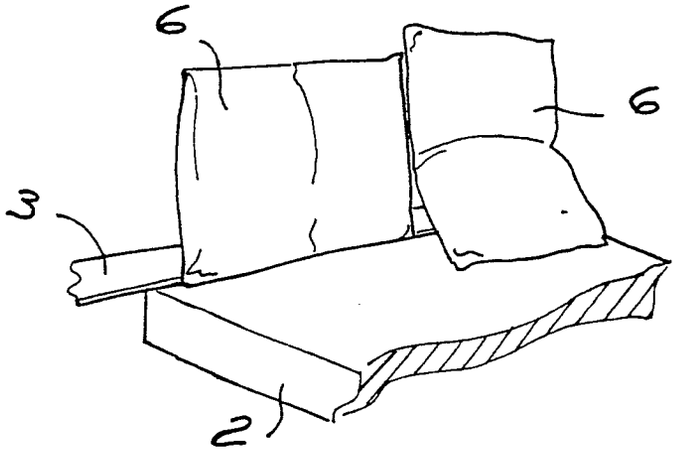

Fig. 9

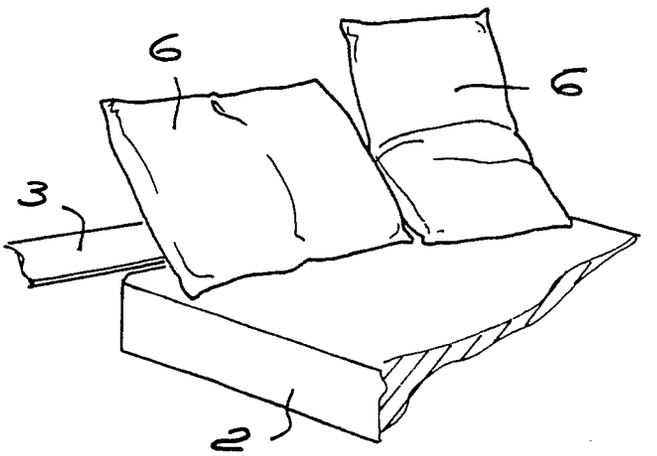

Fig. 10

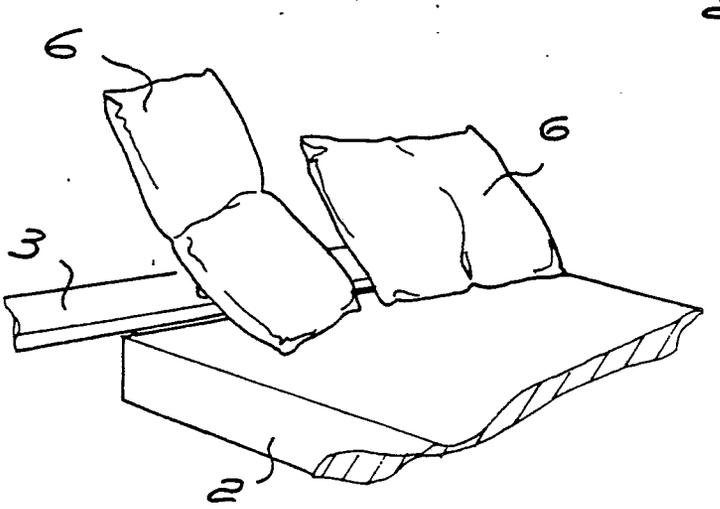

Fig. 11

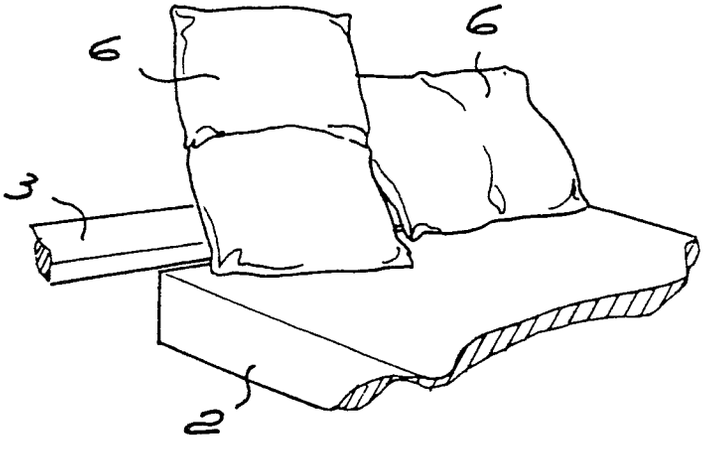

Fig. 12

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EUROPEAN SEARCH REPORT

Application Number

EP 88 20 1899

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	DE-C- 159 175 (SCHRÖDER) * The whole document *	1	A 47 C 19/02 A 47 C 20/04 A 47 C 7/40
A		2,6	
A	US-A-2 935 118 (MEILLEUR)		

TECHNICAL FIELDS SEARCHED (Int. Cl.4)

A 47 C

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	20-12-1988	VANDEVONDELE J.P.H.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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