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(30) Priority: **15.01.2003 SE 0300067**

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(54) **Adjustable bed with improved mattress connection**

(57) An adjustable bed is described, comprising at least one fixed supporting part (1), a bed bottom device (2) supported by the supporting part and having at least one part (21, 23) which is movable relative to the fixed supporting part, and a mattress (3) arranged on the bed

bottom device. The underside of the mattress comprises at least one pocket (31) adapted to hold at least part of the bed bottom device for fastening the mattress to the bed bottom device. Also a simple and cost-effective basic construction of an adjustable bed is described.

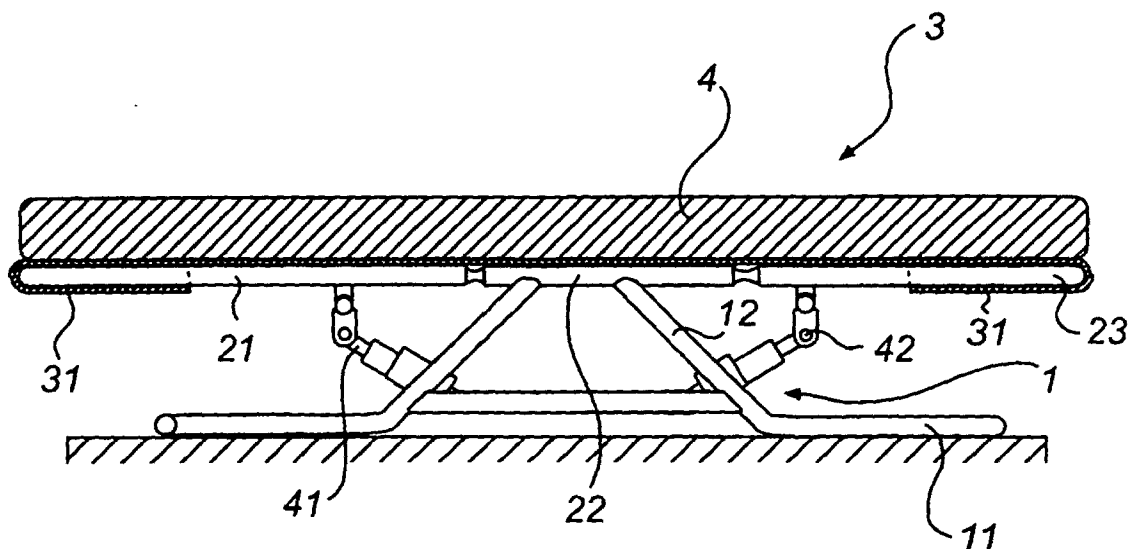


Fig. 1A

EP 1 438 911 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 04 00 0603

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.7)
X	US 4 892 353 A (GODDARD DAN J) 9 January 1990 (1990-01-09) * figures 6-8 * * column 2, line 47 - line 58 * * column 4, lines 23-45 * -----	1-4,6-8, 10,13,14	A47C21/02 A47C20/04
X	EP 0 563 497 A (MATRA AG) 6 October 1993 (1993-10-06) * the whole document * -----	1-3,5, 10-12,15	
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 01, 31 January 2000 (2000-01-31) -& JP 11 285515 A (TOGO SEISAKUSYO CORP), 19 October 1999 (1999-10-19) * abstract * * the whole document * -----	1-4, 6-12,14	
A	US 6 263 528 B1 (HUESLER BALTHASAR) 24 July 2001 (2001-07-24) * figures 1-4 * -----	1,3,5,7, 10-12,14	
A	US 4 309 783 A (CAMMACK MICHAEL A ET AL) 12 January 1982 (1982-01-12) * column 5, line 1 - line 5; figure 1 * -----	1-4,10, 11	
<div style="text-align: center;"> <p>-----</p> <p>The present search report has been drawn up for all claims</p> <p>-----</p> </div>			
Place of search		Date of completion of the search	Examiner
The Hague		3 May 2004	Kus, S
<div style="display: flex; justify-content: space-between;"> <div> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> </div> <div> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>.....</p> <p>& : member of the same patent family, corresponding document</p> </div> </div>			

EPO FORM 1503 03/02 (P04C01)



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Application Number
EP 04 00 0603

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-15



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 04 00 0603

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-15

Solving the problem of fastening a mattress to an adjustable bed by means of pockets and method of manufacturing such bed by defining explicit manufacturing steps.

2. claims: 16-21

Solving the problem of constructing a fixed support part by providing a simpler form with a free space under the foot and head end of an adjustable bed.

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

EP 04 00 0603

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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03-05-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4892353	A	09-01-1990	NONE	
EP 0563497	A	06-10-1993	EP 0563497 A1 AT 140859 T DE 59206856 D1	06-10-1993 15-08-1996 05-09-1996
JP 11285515	A	19-10-1999	JP 3383214 B2	04-03-2003
US 6263528	B1	24-07-2001	WO 9935940 A1 EP 1047321 A1	22-07-1999 02-11-2000
US 4309783	A	12-01-1982	NONE	