

(19)



(11)

**EP 2 387 915 A3**

(12)

**EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**27.03.2013 Bulletin 2013/13**

(51) Int Cl.:  
**A47C 19/00** <sup>(2006.01)</sup> **A47C 19/02** <sup>(2006.01)</sup>  
**A47C 19/04** <sup>(2006.01)</sup>

(43) Date of publication A2:  
**23.11.2011 Bulletin 2011/47**

(21) Application number: **11166294.6**

(22) Date of filing: **17.05.2011**

(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 RS SE SI SK SM TR**  
Designated Extension States:  
**BA ME**

(71) Applicant: **I.L.C.A. S.r.l.**  
**31018 Gaiarine (TV) (IT)**

(72) Inventor: **Battistuzzi, Constantino**  
**33082 Azzano Decimo PN (IT)**

(30) Priority: **19.05.2010 IT MI20100890**

(74) Representative: **Premru, Rok**  
**Via De Amicis 4**  
**20900 Monza (MI) (IT)**

**(54) Bed with storage compartment and bed base tilting and raising mechanism**

(57) A bed (1) is disclosed, which comprises a storage compartment (2) with two side panels (2a, 2b) and a bed base (3), having a top side (3a) for supporting a mattress (5) and a bottom side (3b), and a mechanism (4, 4) for moving said bed base (3), which involves:  
- a first step for moving the bed base (3) from a substantially horizontal lowered configuration to an upwardly inclined configuration for access to said storage compartment (2);  
- a second step for moving said bed base (3) from an upwardly inclined configuration to a substantially horizontal raised configuration;

- a frame (40) integral with said side panel (2a, 2b) of said container (2);
- a first lever (41a, 41b) hinged to said frame (40);
- a second lever (42) hinged to said first lever (41a, 41 b);
- a third lever (43), hinged to said second lever (42), said third lever (43) being integral with said bottom side (36) of said bed base (3);
- a fourth lever (44) hinged to said third lever (43) and said frame (40);

characterized in that said mechanism (4) for moving the bed base (3) comprises a pair of synchronized five-sided linkages (4, 4), each five-sided linkage (4, 4) comprising:

and in that lock means (14a, 14b) are provided for locking said first lever (41 a, 41b) to hold said first lever (41 a, 41b) locked during said first step;  
and in that stop means (12) are provided for stopping the movement of each moving mechanism (4) when said bed base (3) reaches a substantially horizontal raised position.

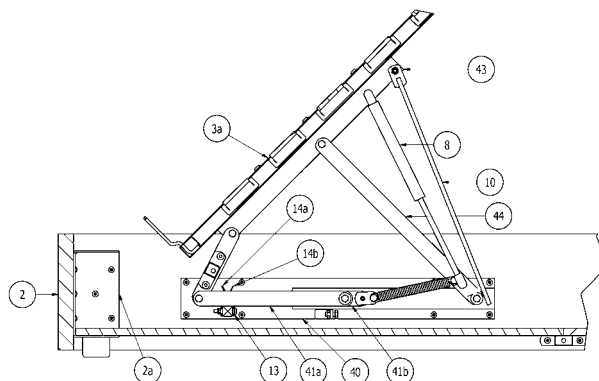


Fig.5

**EP 2 387 915 A3**



EUROPEAN SEARCH REPORT

Application Number  
EP 11 16 6294

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	DE 85 09 131 U1 (FERDINAND LUSCH GMBH) 9 May 1985 (1985-05-09)	1-3,7,9,11	INV. A47C19/00 A47C19/02 A47C19/04
Y	* the whole document *	3,4,8	
A	GB 619 887 A (KLAAS JAN HAZENBERG) 16 March 1949 (1949-03-16) * the whole document *	1,11	
Y,D	EP 1 374 741 A1 (OGGIONI & C S R L [IT]) 2 January 2004 (2004-01-02)	3,4,8	
A	* paragraphs [0001] - [0034]; figures 1-6 *	1	
A	US 2 681 691 A (PIERRE MAURER) 22 June 1954 (1954-06-22) * the whole document *	1,11	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			A47C
1	Place of search The Hague	Date of completion of the search 20 February 2013	Examiner Vollering, Johannes
CATEGORY OF CITED DOCUMENTS		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	
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			

EPO FORM 1503 03.82 (P04C01)

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

EP 11 16 6294

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  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-02-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 8509131 U1	09-05-1985	AT 392889 B	25-06-1991
		DE 8509131 U1	09-05-1985
		JP 61226007 A	07-10-1986
		US 4672696 A	16-06-1987
-----			
GB 619887 A	16-03-1949	NONE	
-----			
EP 1374741 A1	02-01-2004	AT 332096 T	15-07-2006
		DE 60306585 T2	09-11-2006
		EP 1374741 A1	02-01-2004
		ES 2268225 T3	16-03-2007
		IT MI20021395 A1	29-12-2003
-----			
US 2681691 A	22-06-1954	NONE	
-----			