



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
22.10.2003 Bulletin 2003/43

(51) Int Cl.7: **A47C 27/14**

(43) Date of publication A2:
23.07.2003 Bulletin 2003/30

(21) Application number: **03000647.2**

(22) Date of filing: **16.01.2003**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT SE SI SK TR
Designated Extension States:
AL LT LV MK RO

(72) Inventors:
• **Baggio, Giorgio**
31050 Lancenigo di Villorba (Prov.Trev.) (IT)
• **Piccolomini Clementini Adami Varese,**
Emanuele
31027 Spresiano (Prov. Treviso) (IT)

(30) Priority: **21.01.2002 IT UD20020008**

(71) Applicant: **Homomensua S.r.l.**
31027 Spresiano (Treviso) (IT)

(74) Representative: **Modiano, Guido, Dr.-Ing. et al**
Modiano & Associati SpA
Via Meravigli, 16
20123 Milano (IT)

(54) **Mattress with diversified density**

(57) A mattress for human resting which is modular and is composed of parts made of different materials, determining a mattress density that is diversifiable according to individual requirements. The mattress is composed of a first structural part (2), constituting a contain-

ment element in which one or more longitudinal receptacles (3) are formed. A second additional part (4) is removably accommodatable in the one or more receptacles (3) and is constituted by a mat (4) made of synthetic or natural material, determining overall variation in density or in selected points of the resting surface.

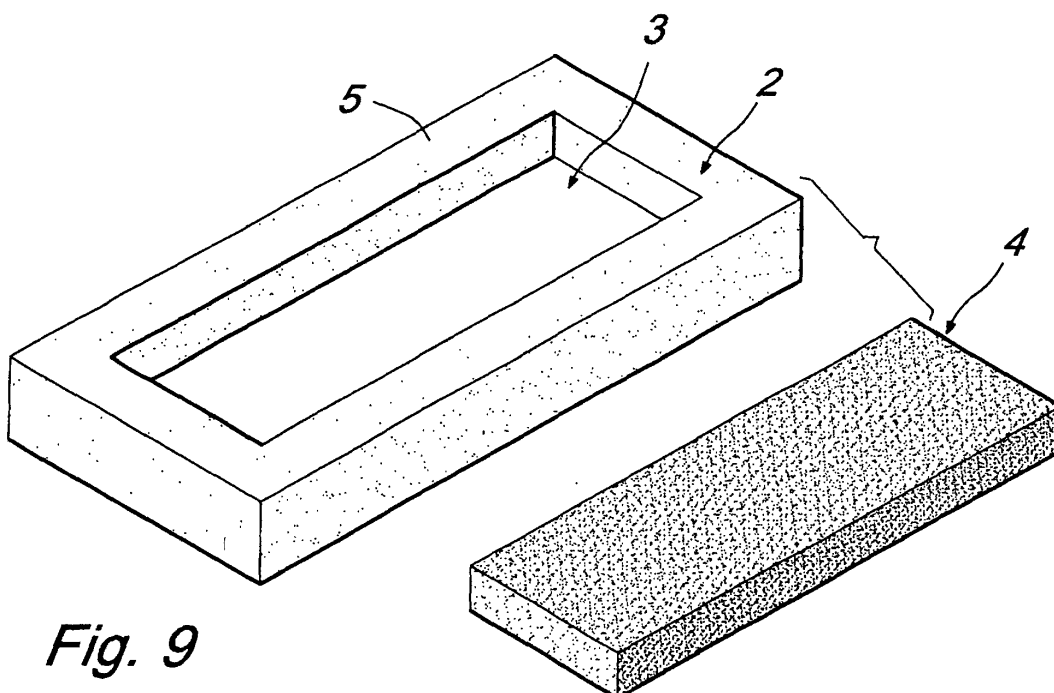


Fig. 9



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 00 0647

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	EP 1 093 740 A (THOENY HANSPETER) 25 April 2001 (2001-04-25) * claims; figures *	1-9	A47C27/14
X	GB 2 121 275 A (JOURDAN THOMAS PLC) 21 December 1983 (1983-12-21) * abstract; figures *	1,10	
X	US 4 706 313 A (MURPHY MIKE) 17 November 1987 (1987-11-17) * claims 1,5,8; figures *	1-7,9	
X	DE 86 10 640 U (FORGBER HANS-JÜRGEN) 26 June 1986 (1986-06-26) * the whole document *	1,8	
X	US 5 107 558 A (LUECK WERNER) 28 April 1992 (1992-04-28) * the whole document *	1	
A	US 5 231 717 A (SCOTT TERENCE A ET AL) 3 August 1993 (1993-08-03) * abstract; figures 1-4,6 *	3	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	US 5 960 496 A (BOYD DENNIS) 5 October 1999 (1999-10-05) * abstract; figures *		A47C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27 August 2003	Examiner Amghar, N
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 03.02 (P04C01)

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

EP 03 00 0647

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.

27-08-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1093740	A	25-04-2001	DE 29919063 U1 EP 1093740 A1	23-03-2000 25-04-2001
GB 2121275	A	21-12-1983	AU 1602583 A EP 0110930 A1 WO 8304367 A1 US 4536906 A	30-12-1983 20-06-1984 22-12-1983 27-08-1985
US 4706313	A	17-11-1987	AT 73305 T CA 1271571 A1 DE 3777321 D1 EP 0264439 A1 JP 6055214 B JP 1500488 T WO 8706442 A1	11-03-1992 10-07-1990 16-04-1992 27-04-1988 27-07-1994 23-02-1989 05-11-1987
DE 8610640	U	26-06-1986	DE 8610640 U1	26-06-1986
US 5107558	A	28-04-1992	DE 4029947 A1 AT 111702 T CA 2044355 A1 DE 59103013 D1 EP 0465810 A1 JP 2749462 B2 JP 4242607 A	16-01-1992 15-10-1994 12-01-1992 27-10-1994 15-01-1992 13-05-1998 31-08-1992
US 5231717	A	03-08-1993	US 5475881 A US 5655241 A AU 6276790 A WO 9102472 A1 AU 8664891 A WO 9208398 A1	19-12-1995 12-08-1997 03-04-1991 07-03-1991 11-06-1992 29-05-1992
US 5960496	A	05-10-1999	US 6256821 B1	10-07-2001

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82