



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 1 034 770 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**22.11.2000 Bulletin 2000/47**

(51) Int. Cl.<sup>7</sup>: **A61H 15/00**, A61H 1/00

(43) Date of publication A2:  
**13.09.2000 Bulletin 2000/37**

(21) Application number: **00102123.7**

(22) Date of filing: **04.02.2000**

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

(30) Priority: **12.03.1999 IT MI990519**

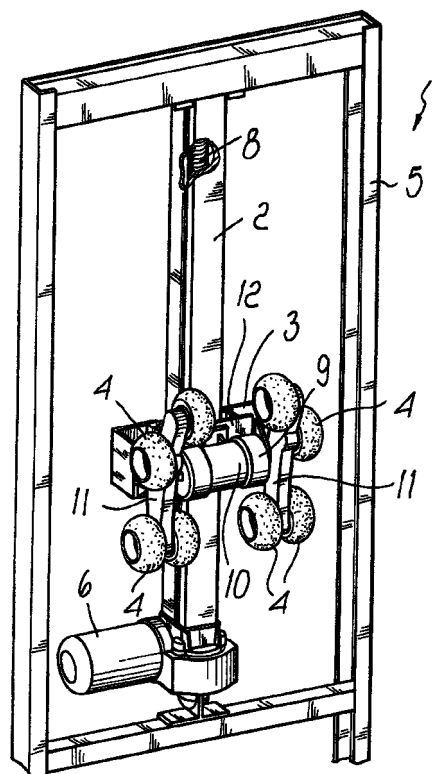
(71) Applicant: **CIAR S.r.l.**  
**I-61100 Pesaro (IT)**

(72) Inventor: **Marcantoni, Egidio**  
**61100 Pesaro (IT)**

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

(54) **Massage device to be inserted in the back of a massage chair or the like, having a more efficient vertical massage**

(57) A massage device to be inserted in the back of a massage chair or the like, comprising a threaded shaft (8) along which a carriage (3) can slide, the carriage (3) being adapted to support a plurality of massage wheels (4) and being actuated along the threaded shaft (8) by a gearmotor (6), and a vibration device (10) which is rigidly coupled to the carriage (3) and is adapted to transmit vibrations to the massage wheels (4) in order to move the massage wheels (4) transversely with respect to the threaded shaft.



**EP 1 034 770 A3**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 00 10 2123

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 5 462 516 A (ANDERSON LOUIS R) 31 October 1995 (1995-10-31)	1	A61H15/00 A61H1/00
Y	* column 4, line 31 - column 5, line 14 * * column 5, line 55 - line 66; figures 21,3,4 *	2-5	
Y	US 5 020 518 A (WALL DANIEL P ET AL) 4 June 1991 (1991-06-04) * column 10, line 6 - column 11, line 4; figures 1,2,8-10,12 *	2-4	
X	US 4 586 493 A (GOODMAN CHARLES J) 6 May 1986 (1986-05-06) * column 2, line 7 - line 14 * * column 3, line 48 - column 4, line 47 * * column 6, line 22 - line 33; figures 2-4 *	1-3	
Y	US 3 939 826 A (FUJIMOTO SHINICHIRO) 24 February 1976 (1976-02-24) * column 2, line 9 - line 40; figure 7 *	5	
A	US 3 405 709 A (MATHERS KENNETH R) 15 October 1968 (1968-10-15) * column 4, line 72 - column 6, line 32 * * column 7, line 3 - line 54; figures 1,4-6 *	1,5	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7) A61H
Place of search MUNICH		Date of completion of the search 29 September 2000	Examiner Georgiou, Z
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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 &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.02 (P04001)

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

EP 00 10 2123

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.

29-09-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5462516 A	31-10-1995	AU 673707 B	21-11-1996
		AU 5492794 A	13-07-1995
		CA 2113487 A	30-06-1995
US 5020518 A	04-06-1991	NONE	
US 4586493 A	06-05-1986	NONE	
US 3939826 A	24-02-1976	NONE	
US 3405709 A	15-10-1968	BE 696667 A	05-10-1967
		CH 467065 A	
		DE 1566501 A	14-10-1971
		FR 1517597 A	26-06-1968
		GB 1140931 A	
		US 3389699 A	25-06-1968

EPO FORM P0459

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