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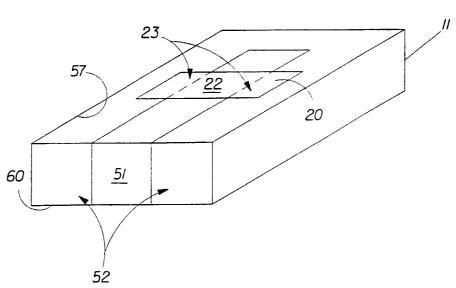
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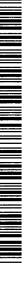
with international search report

[Continued on next page]

(54) Title: ACTIVE CHANGE AIDS FOR EXTERNAL ARTICLES



(57) **Abstract:** An active external change aid that comprises elements which act upon an article to be attached to a wearer to perform a useful function. The active external change aid helps the caregiver or wearer obtain the optimum fit and performance of the product by performing steps for the caregiver or wearer during the application or removal of the product. The article optionally includes elements which work in conjunction with elements of the change aid.



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A. CLASS IPC 7	ification of subject matter A47D5/00			
According t	o International Patent Classification (IPG) or to both national classifica	ation and IPC		
	SEARCHED			
Minimum de IPC 7	ocumentation searched (classification system followed by classification A47D A61F A47G A61G A47C	on symbols)		
Documenta	tion searched other than minimum documentation to the extent that s	uch documents are included in	n the helds searched	
	iala base consulled during the international search (name of data bas ternal, WPI Data, PAJ	se ang, where practical, searc	n terms usedi	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document, with indication, where appropriate, of the reli	evant passages	Relevant to claim No	
χ	GB 2 263 232 A (RALSTON SEBASTIAN WINDEYER) 21 July 1993 (1993-07-2		1.9	
Α	claims 1,2: figures	2-4,7,10		
Α	US 5 299 336 A (MARTEENY JEAN) 5 April 1994 (1994-04-05) claim 1; figures 1-3		1	
X	FR 2 620 323 A (MAGNEN PHILIPPE ; GUY (FR)) 17 March 1989 (1989-03-	1-3,6,9		
Α	claims 1,4; figures	7,8		
X	FR 2 136 191 A (HEUSER HELMUT) 22 December 1972 (1972-12-22) claims; figures	1		
		-/		
X Furt	her documents are listed in the continuation of box C.	X Patent family member	ers are listed in annex	
'A' document defining the general state of the lart which is not considered to be of particular relevance 'E' earlier document but published on or after the international filling date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means		'T' later document published after the international filing date or pnority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '8' document member of the same patent family		
	actual completion of the international search	Date of mailing of the inte	ernational search report	
	7 September 2001	25/09/2001		
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni. Fax. (+31-70) 340-3016	Authorized officer Amghar, N		

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INTERNATIONAL SEARCH REPORT

rnational Application No

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document, with indication where appropriate, of the relevant passages	Relevant to claim No.		
A	US 3 305 878 A (H. W. HELLBAUM) 28 February 1967 (1967-02-28) claim; figures			
1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
3 9 9				

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INTERNATIONAL SEARCH REPORT

Information on patent family members

rnational Application No

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
GB 2263232	А	21-07-1993	NONE		
US 5299336	Α	05-04-1994	NONE		
FR 2620323	Α	17-03-1989	FR	2620323 A1	17-03-1989
FR 2136191	А	22-12-1972	DE CH FR	2117080 A1 532928 A 2136191 A7	12-10-1972 31-01-1973 22-12-1972
US 3305878	Α	28-02-1967	NONE		

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