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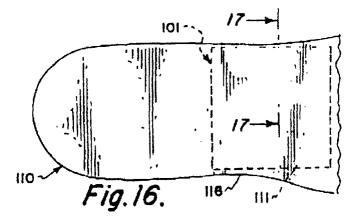
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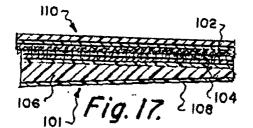
## (54) Adjustable orthotic

(57) A shoe insert for placement on an inside surface of a shoe comprising in combination:

a shoe insole (110) formed of an organic material with memory selected from synthetic organic resins and leather defining a deformable sheet of material being shaped to fit over the inside surface of a shoe, said sheet having memory to retain a deformed shape and said sheet having an upper surface and a bottom surface; and

a layer of first fastening material (102) selected from loop fabric or hook fabric attached to substantially the entire bottom surface of said sheet and a plurality of cushion pad elements (101), each containing a layer of resilient compressible, cushioning material (106) and each having a top surface including a layer of second fastening material (104) releasably engageable with said first fastening material selected from loop fabric or hook fabric, said elements being attached to said layer of first fastening material whereby when the insert is placed on the inside surface of a shoe, said elements compress under the weight of the user, the sheet deforms in the spaces between the elements and around the elements to form a deformed shape and said sheet retains said deformed shape when the force from the user's weight is removed to selectively modify the elevation or pitch of said insert relative to said inside surface of said shoe.







## **EUROPEAN SEARCH REPORT**

Application Number EP 00 20 0906

		ED TO BE RELEVANT		A	
Category	Citation of document with indica of relevant passage		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)	
A	DE 31 31 163 A (ANDRESEN ELFRIEDE A;BLECKER GEORG) 3 March 1983 (1983-03-03) * the whole document *				
D, A	US 4 694 590 A (GREEN/ 22 September 1987 (198 * column 2, line 31 -	37-09-22)			
A	PATENT ABSTRACTS OF JAPAN vol. 017, no. 073 (C-1026), 15 February 1993 (1993-02-15) & JP 04 276205 A (TOYO TIRE & RUBBER CO LTD), 1 October 1992 (1992-10-01) * abstract *				
A	EP 0 136 936 A (ORTHO 10 April 1985 (1985-04		1-10		
Α	US 4 841 648 A (SHAFFE 27 June 1989 (1989-06-		1-10	TECHNICAL FIELDS SEARCHED (Int.CI.7)	
D,A	 US 4 813 157 A (BOISVE 21 March 1989 (1989-03		1-10		
A	US 4 316 333 A (ROTHS0 23 February 1982 (1982 * abstract; figures *		1		
E	US 5 154 682 A (KELLER 13 October 1992 (1992- * the whole document -	-10-13)	1-10		
	The present search report has been Place of search	Date of completion of the search	Sol	Examiner	
THE HAGUE  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		E : earlier patent after the filing D : document cite L : document cite	ay 2000 Scholvinck, T  T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filling date D: document cited in the application L: document cited for other reasons  &: member of the same patent family, corresponding		

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

EP 00 20 0906

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.

24-05-2000

Patent document cited in search report		Publication date	Patent family member(s)	Publication date	
DE	3131163	A	03-03-1983	NONE	1
US	4694590	A	22-09-1987	NONE	
JP	04276205	A	01-10-1992	NONE	
EP	0136936	A	10-04-1985	FR 2551346 A AT 33933 T AU 561305 B AU 3270884 A CA 1219412 A DE 3470838 D JP 61217158 A US 4548563 A	08-03-198 15-05-198 07-05-198 14-03-198 24-03-198 09-06-198 26-09-198
US	4841648	Α	27-06-1989	CA 1337455 A	31-10-199
US	4813157	Α	21-03-1989	CA 1277135 A EP 0254662 A	04-12-199 27-01-198
US	4316333	Α	23-02-1982	NONE	
US	5154682	Α	13-10-1992	AU 665963 B EP 0592734 A AU 2638492 A US 5799414 A	25-01-1990 20-04-1990 19-05-1990 01-09-1990

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