

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 913 101 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
22.03.2000 Bulletin 2000/12

(51) Int. Cl.⁷: **A43B 5/02, A43B 13/41**

(43) Date of publication A2:
06.05.1999 Bulletin 1999/18

(21) Application number: **98119710.6**

(22) Date of filing: **19.10.1998**

(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: **28.10.1997 IT PD970238**

(71) Applicant: **LOTTO S.p.A.**
I-31044 Montebelluna (Treviso) (IT)

(72) Inventor: **Caberlotto, Alberto**
31044 Montebelluna (Treviso) (IT)

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

(54) **Device for differentiating the torsional stress reactions of shoes for soccer or similar sports**

(57) A device for differentiating the torsional stress reactions of shoes for soccer or similar sports comprising a substantially flat kevlar element (16) which is integrated into an insole (14) made of polymeric material with a rear part (15) shaped like a heel containment cup.

The element (16) surrounds the heel region (17) starting from the part (18) that corresponds to the outside of the foot and affects the metatarsal region (19) by widening in a transverse direction.

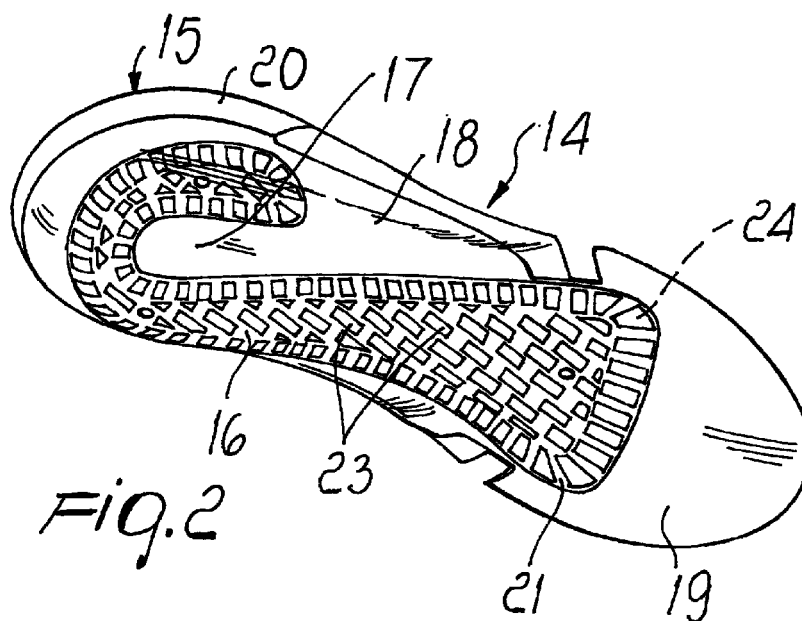


Fig. 2

EP 0 913 101 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 11 9710

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.6)
P,X	DE 197 08 113 A (ZEPF HANS PETER) 3 September 1998 (1998-09-03) * column 2, line 28 - column 10; figures * ---	1,2	A43B5/02 A43B13/41 A43B13/12
A	US 4 854 055 A (SUGIYAMA YASUNORI ET AL) 8 August 1989 (1989-08-08) * column 5, paragraph 1 * ---	1,3,4	
A	EP 0 777 982 A (GLOBAL SPORTS TECH INC) 11 June 1997 (1997-06-11) * claims 1-3,11 * ---	1	
A	FR 2 550 424 A (RUDY M F) 15 February 1985 (1985-02-15) * the whole document * ---	1	
A	US 2 678 506 A (NINA BAROUMES) 18 May 1954 (1954-05-18) * the whole document * -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A43B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		2 February 2000	Claudel, B
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 03.82 (P4/C01)

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

EP 98 11 9710

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.

02-02-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 19708113 A	03-09-1998	NONE	
US 4854055 A	08-08-1989	NONE	
EP 0777982 A	11-06-1997	IT MI952540 A	04-06-1997
		AU 709595 B	02-09-1999
		AU 7415896 A	12-06-1997
		BR 9605846 A	25-08-1998
		CA 2191992 A	05-06-1997
		CZ 9603553 A	17-12-1997
		HR 960572 A	30-06-1998
		HU 9603346 A	29-12-1997
		JP 9271404 A	21-10-1997
		NO 965163 A	05-06-1997
		NZ 299871 A	26-06-1998
		PL 317316 A	09-06-1997
		SG 47200 A	20-03-1998
		SK 155196 A	14-01-1998
		US 5918338 A	06-07-1999
		US 5832634 A	10-11-1998
FR 2550424 A	15-02-1985	NONE	
US 2678506 A	18-05-1954	NONE	