

# Europäisches Patentamt European Patent Office

Office européen des brevets

(11) **EP 1 034 714 A3** 

(12)

## **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: 30.05.2001 Bulletin 2001/22

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

(21) Application number: 00201348.0

(22) Date of filing: 14.07.1989

(51) Int. Cl.<sup>7</sup>: **A43B 13/00**, A43B 13/04, A43B 13/14

(84) Designated Contracting States:

AT BE CH DE FR GB IT LI LU NL SE

(30) Priority: **15.07.1988 US 219387 02.09.1988 US 239667** 

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:

97250029.2 / 0 811 330 89909337.1 / 0 424 471 (71) Applicant:

Anatomic Research, Inc.

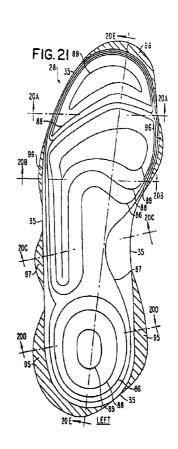
Arlington, Virginia 22206-1331 (US)

(72) Inventor: Ellis, Fampton E. Arlington, Virginia (US)

(74) Representative:
Dunleavy, Kevin James
Knoble & Yoshida,
p/o De Vries & Metman,
Overschiestraat 180
1062 XK Amsterdam (NL)

#### (54) Rounded midsole sides

(57) A construction for a shoe (20), particularly an athletic shoe such as a running shoe, includes a sole (28) provided with at least one bulge having concavely rounded inner and outer surfaces (30, 31). The bulge may be located on a side of the shoe sole (28) at a location which substantially corresponds to the location of one of the essential structural support and propulsion elements of an intended wearer's foot when inside the shoe. The thickness of the bulge decreases gradually in at least one of an anterior or posterior direction to a lesser thickness, as viewed in a horizontal plane when the shoe sole (28) is in an upright, unloaded condition.



EP 1 034 714 A3



# **EUROPEAN SEARCH REPORT**

Application Number EP 00 20 1348

Category	Citation of document with indic of relevant passage		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	US 4 694 591 A (BANIC 22 September 1987 (19 * column 3, line 32 - figure 5 *	87-09-22)	1-58	A43B13/00 A43B13/04 A43B13/14
X	US 4 578 882 A (TALAR 1 April 1986 (1986-04 * column 6, line 42 - figures 1-4 *	-01)	1-58	
X	US 4 449 306 A (CAVAN 22 May 1984 (1984-05- * column 3, line 20 - figures 1-7 *	22)	1-58	
X	US 4 399 620 A (FUNCK 23 August 1983 (1983- * abstract; claims 1-	08-23)	1-58	
X	US 4 559 723 A (HAMY 24 December 1985 (198 * abstract; claims 1-	5-12-24)	1–58	TECHNICAL FIELDS SEARCHED (Int.CI.7
Α	US 4 697 361 A (GANTE 6 October 1987 (1987- * abstract; claim 1;	10-06)	1	1430
A	US 4 305 212 A (COOME 15 December 1981 (198 * abstract; claims 1-	1-12-15)	1	
A	US 4 557 059 A (MISEV 10 December 1985 (198 * abstract *		1	
	The present search report has bee	n drawn up for all claims		
Place of search THE HAGUE		Date of completion of the search 9 April 2001	Sue	Examiner endermann, R
X:par Y:par doc A:tech	ATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone ticularly relevant if combined with another ument of the same category nological backgroundwritten disclosure	T : theory or princi E : earlier patent of after the filing of D : document cites L : document cites	iple underlying the locument, but pub- date d in the application d for other reasons	invention lished on, or

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

EP 00 20 1348

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.

09-04-2001

	Patent document ed in search rep		Publication date		Patent family member(s)	Publication date
US	4694591	А	22-09-1987	CA JP JP JP	1251636 A 1757240 C 4049401 B 61263401 A	28-03-198 23-04-199 11-08-199 21-11-198
US	4578882	Α	01-04-1986	NONI		
US	4449306	A	22-05-1984	AT CA DE EP	24379 T 1206749 A 3368497 D 0108278 A	15-01-198 01-07-198 05-02-198 16-05-198
US	4399620	A	23-08-1983	DE AT DE EP ES	3037108 A 11096 T 3168172 D 0048965 A 274981 U	13-05-198 15-01-198 21-02-198 07-04-198 16-04-198
US	4559723	Α	24-12-1985	C A G B	1213139 A 2136670 A,	28-10-198 3 26-09-198
US	4697361	A	06-10-1987	DE AT CA DE EP	3527938 A 50123 T 1257472 A 3668758 D 0213257 A	12-02-198 15-02-199 18-07-198 15-03-199 11-03-198
US	4305212	Α	15-12-1981	NONE		
US	4557059	Α	10-12-1985	AU AU CA GB IE JP	578597 B 2397184 A 1227925 A 2134770 A,E 54998 B 59155204 A	03-11-198 16-08-198 13-10-198 3 22-08-198 11-04-199 04-09-198

FORM P0459

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