

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 February 2008 (28.02.2008)

PCT

(10) International Publication Number
WO 2008/024651 A3

- (51) **International Patent Classification:**
A43B 13/18 (2006.01) A43B 13/20 (2006.01)
- (21) **International Application Number:**
PCT/US2007/075871
- (22) **International Filing Date:** 14 August 2007 (14.08.2007)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
11/508,113 22 August 2006 (22.08.2006) US
- (71) **Applicant (for JP, KR only):** NIKE, INC. [US/US]; One Bowerman Drive, Beaverton, OR 97005-6453 (US).
- (71) **Applicant (for all designated States except JP, KR, US):** NIKE INTERNATIONAL, LTD. [—/US]; One Bowerman Drive, Beaverton, OR 97005-6453 (US).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** SWIGART, John, F. [US/US]; c/o Nike, Inc., One Bowerman Drive, Beaverton, OR 97005-6453 (US). SCHINDLER, Eric, S. [US/US]; c/o Nike, Inc., One Bowerman Drive, Beaverton, OR 97005-6453 (US).
- (74) **Agents:** KUZARA, Byron, S. et al.; Plumsea Law Group, LLC, Suite 320, 10411 Motor City Drive, Bethesda, MD 20817 (US).

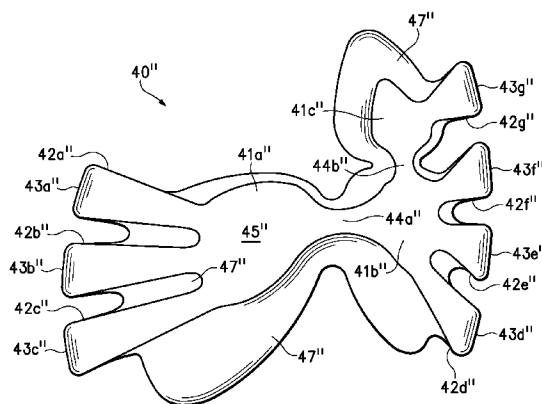
- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) **Date of publication of the international search report:**
19 June 2008

(54) **Title:** FOOTWEAR WITH A SOLE STRUCTURE INCORPORATING A LOBED FLUID-FILLED CHAMBER



(57) **Abstract:** A fluid-filled chamber for an article of footwear and a method for manufacturing the chamber are disclosed. The chamber may be incorporated into a sole structure of the footwear and includes a central area and a plurality of lobes extending outward from the central area. The lobes are in fluid communication with the central area and are formed from a first surface, a second surface, and a sidewall. The sidewall joins with the first surface with the second surface to seal the fluid within the chamber, but no internal connections are generally utilized to join interior portions of the first surface with interior portions of the second surface. The fluid within the chamber may be air at a pressure that is approximately equal to an ambient pressure.

WO 2008/024651 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/075871

A. CLASSIFICATION OF SUBJECT MATTER
INV. A43B13/18 A43B13/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A43B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/011085 A1 (SWIGART JOHN F [US] ET AL) 20 January 2005 (2005-01-20) figures	1-4, 6-13, 15-20, 22-33
X	US 2003/056400 A1 (POTTER DANIEL R [US] ET AL) 27 March 2003 (2003-03-27) figures 1-6,20	10
A	WO 01/70061 A (NIKE INC [US]; NIKE INTERNATIONAL LTD [US]) 27 September 2001 (2001-09-27) figures	1,24
A	US 2003/150132 A1 (LIN SU-CHU [TW]) 14 August 2003 (2003-08-14) figures	1,10,24
	----- -/-- -----	

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing 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

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority 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.

& document member of the same patent family

Date of the actual completion of the international search

28 December 2007

Date of mailing of the international search report

28/04/2008

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 nl,
Fax: (+31-70) 340-3016

Authorized officer

Vesin, Stéphane

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/075871

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 96/18317 A (ADIDAS AG [DE]) 20 June 1996 (1996-06-20) figures -----	1,10,24

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/075871

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-33

Article of footwear having a sealed chamber defining a plurality of subchambers with lobes

2. claims: 34-43

Article of footwear having a sealed chamber defined by a sloped sidewall between upper and lower surface

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/075871

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2005011085	A1	20-01-2005	AU 2004263074 A1	17-02-2005
			BR PI0412452 A	19-09-2006
			CA 2531673 A1	17-02-2005
			CN 1867273 A	22-11-2006
			EP 1643875 A2	12-04-2006
			JP 2007530094 T	01-11-2007
			WO 2005013740 A2	17-02-2005
US 2003056400	A1	27-03-2003	CA 2462179 A1	03-04-2003
			EP 1427304 A2	16-06-2004
			TW 271158 B	21-01-2007
			WO 03026453 A2	03-04-2003
			US 2005132615 A1	23-06-2005
WO 0170061	A	27-09-2001	AT 300202 T	15-08-2005
			AU 5084601 A	03-10-2001
			CN 1383364 A	04-12-2002
			CN 1589692 A	09-03-2005
			DE 60112225 D1	01-09-2005
			DE 60112225 T2	24-05-2006
			EP 1209992 A2	05-06-2002
			US 2002053146 A1	09-05-2002
			US 2003150132	A1
WO 9618317	A	20-06-1996	AU 5406396 A	03-07-1996
			US 6266897 B1	31-07-2001