(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

AIPO OMPI

(43) International Publication Date 21 January 2010 (21.01.2010)

(10) International Publication Number WO 2010/008642 A3

- (51) International Patent Classification: *A41D 3/02* (2006.01) *A41D 3/00* (2006.01)
- (21) International Application Number:

PCT/US2009/040135

(22) International Filing Date:

10 April 2009 (10.04.2009)

(25) Filing Language:

English

(26) Publication Language:

English

US

(30) Priority Data:

61/043,946

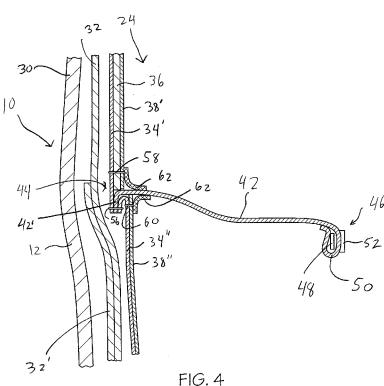
10 April 2008 (10.04.2008)

- (71) Applicant (for all designated States except US): LION APPAREL, INC. [US/US]; 6450 Poe Avenue, Suite 300, Dayton, OH 45414 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MCINTOSH, Josephine [US/US]; 377 Fox Hollow Road, Beattyville, KY 41311 (US). TAYLOR, Martin, Lee, Sr. [US/US]; P.O. Box 54, Rogers, KY 41365 (US). MARTIN, Thomas, S. [US/US]; 6331 Stoney Creek Drive, Huber Heights, OH 45424 (US).

- (74) Agents: ELLEMAN, Steven, J. et al.; Thompson Hine LLP, Post Office Box 8801, Dayton, OH 45401-8801 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, 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, ST, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: PROTECTIVE GARMENT WITH VAPOR SKIRT



(57) Abstract: A coat including a torso portion defining a torso cavity and including pair of portions that are releasably connectable together. The coat further includes a skirt positioned in the torso cavity. The coat is configured such that when the coat is worn by a wearer and the portions are releasably connected together the skirt generally sealingly engages the wearer. The coat is further configured such that the skirt automatically generally sealingly engages the wearer when the coat is worn by the wearer and the portions are releasably connected without requiring any further action by the wearer.



Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- the earlier application (Rule 4.17(iii))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
- as to the applicant's entitlement to claim the priority of (88) Date of publication of the international search report: 15 April 2010

with international search report (Art. 21(3))

INTERNATIONAL SEARCH REPORT

International application No PCT/US2009/040135

		1017	092003/ 040133						
A. CLASSIFICATION OF SUBJECT MATTER INV. A41D3/00 A41D3/02									
According to International Patent Classification (IPC) or to both national classification and IPC									
	SEARCHED	ALION AND II C							
Minimum documentation searched (classification system followed by classification symbols)									
A41D									
Documentat	tion searched other than minimum documentation to the extent that s	uch documents are included in the	ne fields searched						
Electronic d	ata base consulted during the international search (name of data bas	se and where practical, search to	arms usadi						
EPO-In		,,,,,,	3.11.0 d 05.5,						
C. DOCUMENTS CONSIDERED TO BE RELEVANT									
Category*	Citation of document, with indication, where appropriate, of the rele	Relevant to claim No.							
A	EP 1 685 766 A (EIDER [FR]) 2 August 2006 (2006-08-02) paragraph [0013] - paragraph [0022] figures 1-4		1						
Α	US 2005/114979 A1 (W00LCOTT RICHA ET AL) 2 June 2005 (2005-06-02) abstract; figures 1-5	1							
Α	US 6 684 408 B2 (RINDLE MARKUS [U 3 February 2004 (2004-02-03) sentence 48 - sentence 50	S] ET AL)	1,20,21, 24						
Α	DE 203 19 694 U1 (SALOMON SA [FR] 4 March 2004 (2004-03-04) abstract)							
Further documents are listed in the continuation of Box C. X See patent family annex.									
		"T" later document published after							
conside	ent defining the general state of the art which is not ered to be of particular relevance		onflict with the application but ciple or theory underlying the						
filing d	arc	"X" document of particular releva	ince; the claimed invention or cannot be considered to						
which i	"L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevance: the claimed invention								
"O" docume	ent referring to an oral disclosure, use, exhibition or	cannot be considered to invided document is combined with	olve an inventive step when the one or more other such docu-						
other means ments, such combination being obvious to a person skilled "P" document published prior to the international filing date but in the art.									
later than the priority date claimed "%" document member of the same pater			<u> </u>						
Date of the actual completion of the international search Date of mailing of the international search report									
	8 January 2010	01/03/2010							
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2		Authorized officer							
	NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Fax: (+31–70) 340–3016	Fonseca Fern	andez, H						

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2009/040135

	Publication date		Patent family member(s)	Publication date
Α	02-08-2006	FR	2881030 A1	28-07-2006
A1	02-06-2005	US	2008276344 A1	13-11-2008
B2	03-02-2004	DE FR US	20208661 U1 2837070 A1 2003172435 A1	22-08-2002 19-09-2003 18-09-2003
U1	04-03-2004	FR US	2854030 A1 2005022285 A1	29-10-2004 03-02-2005
	A1 B2	A 02-08-2006 A1 02-06-2005 B2 03-02-2004	A 02-08-2006 FR A1 02-06-2005 US B2 03-02-2004 DE FR US U1 04-03-2004 FR	A 02-08-2006 FR 2881030 A1 A1 02-06-2005 US 2008276344 A1 B2 03-02-2004 DE 20208661 U1 FR 2837070 A1 US 2003172435 A1 U1 04-03-2004 FR 2854030 A1