(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 17 April 2008 (17.04.2008) (10) International Publication Number WO 2008/045695 A3

(51) International Patent Classification:

A44B 11/00 (2006.01)

A44B 11/25 (2006.01)

A44B 11/22 (2006.01)

(21) International Application Number:

PCT/US2007/079838

(22) International Filing Date:

28 September 2007 (28.09.2007)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/851,199 11/855,435 12 October 2006 (12.10.2006) US

60/851,199

14 September 2007 (14.09.2007) US

- (71) Applicant (for all designated States except US): ILLINOIS TOOL WORKS INC. [US/US]; 3600 West Lake Avenue, Glenview, IL 60026 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): KOLASA, Scott, D. [US/US]; 3600 West Lake Avenue, Glenview, IL 60026 (US).

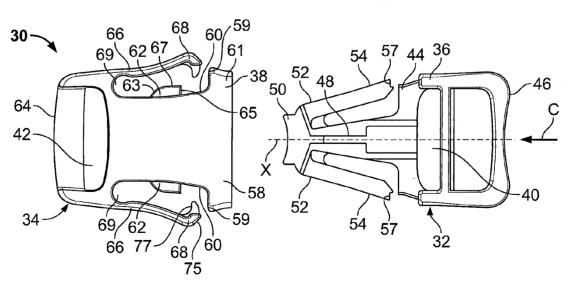
- (74) Agent: HAUPTMAN, Benjamin, J.; Lowe Hauptman Ham & Berner, LLP, 1700 Diagonal Road, Suite 300, Alexandria, VA 22314 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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

[Continued on next page]

(54) Title: SIDE-RELEASE BUCKLE ASSEMBLY



(57) Abstract: A buckle assembly includes a first connection member and a second connection member. The first connection member includes engagement members, such as buttons. The second connection member is configured to connect to the first connection member, and includes openings in which the engagement members are retained when the first connection member is connected to the second connection member. The second connection member also includes release arms configured to be actuated to engage the engagement members in order to disconnect the first connection member from the second connection member.



(88) Date of publication of the international search report:

INTERNATIONAL SEARCH REPORT

International application No. PCT/US07/79838

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A44B 11/25 (2008.01) USPC - 24/633 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) IPC(8) - A44B 11/25, 11/26, 11/28 (2008.01) USPC - 24/165, 192, 315, 633			
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 practicable, search terms used)			
PatBase			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category* Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
			10.00
X	US 4,577,377 A (KASAI) 25 March 1986 (25.03.1986)	entire document	1-16, 18-22
Υ		•	17
Υ	US 6,560,830 B1 (CHI) 13 May 2003 (13.05.2003) ent	ire document	17 .
			·
	·		
			, .
	·		
		•	
	·		
	·		
		•	
Further documents are listed in the continuation of Box C.			
* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand			
to be of	to be of particular relevance the principle or theory underlying the invention		
"E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is document which may throw doubts on priority claim(s) or which is		ered to involve an inventive	
cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document			claimed invention cannot be step when the document is
means	ent referring to an oral disclosure, use, exhibition or other	being obvious to a person skilled in the art	
the priority date claimed		"&" document member of the same patent family	
Date of the a	actual completion of the international search	Date of mailing of the international sear	cn report
27 December 2007		17 MAR 2008	
Name and mailing address of the ISA/US		Authorized officer:	
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450		Blaine R. Copenheaver PCT Helpdesk: 571-272-4300	
Facsimile No. 571-273-3201		PCT Nelpaesk: 571-272-4300	