(19) World Intellectual Property **Organization**

International Bureau





(43) International Publication Date 14 July 2005 (14.07.2005)

(10) International Publication Number WO 2005/062769 A3

(51) International Patent Classification⁷: E06B 3/263, 3/28, B32B 17/06, 25/04, C08K 5/24, 5/09

(21) International Application Number:

PCT/US2004/042287

(22) International Filing Date:

16 December 2004 (16.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

10/744,748 23 December 2003 (23.12.2003) US

(71) Applicant and

(72) Inventor (for all designated States except US): AUER-BACH, Melvin [US/US]; 10242 Dayflower Drive, Twinsburg, OH 44087 (US).

(74) Agent: LITT, Arnold, D.; Herten Burstein Sheridan Cevasco Bottinelli Litt T, oskos & Harz LLC, Court Plaza North, 25 Main Street, Hackensack, NJ 07601-7032 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, MC, 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: 1 September 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SEALING STRIP COMPOSITION

(57) Abstract: The invention relates to a composition adapted for use as a sealing strip in the manufacture of insulating structures. The composition includes an adhesion promoter compound of at least two components, a polymeric base material(s), and a cross linking agent(s). The invention further relates to an insulating structure including first and second panes with the sealing strip positioned therebetween.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/42287

			101,000,11220,	
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : E06B 3/263, 3/28; B32B 17/06, 25/04; C08K 5/24, 5/09 US CL : 428/34, 440, 492, 497, 913; 524/261, 262, 399				
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) U.S.: 428/34, 440, 492, 492, 913; 524/261, 262, 399				
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) east				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap			Relevant to claim No.
X	US 6,491,992 B1 (KOIZUMI et al.) 10 December 20	6,491,992 B1 (KOIZUMI et al.) 10 December 2002 (10.12.2002), columns 4-8.		
x	US 4,215,164 A (BOWSER) 29 July 1980 (29.07.1980), columns 2-5.			1-22
X	US 5,855,972 A (KAEDING) 05 January 1999 (05.01.1999), columns 3-5.			1-22
			·	·
	documents are listed in the continuation of Box C.		family annex.	ernational filing date or priority
Special categories of cited documents:		date and not	in conflict with the appli- theory underlying the inv	cation but cited to understand the
	t defining the general state of the art which is not considered to be lar relevance	• •	-	claimed invention cannot be
"E" earlier ap	plication or patent published on or after the international filing date	considered n	ovel or cannot be consided current is taken alone	ered to involve an inventive step
 "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 		"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		
priority date claimed		Date of mailing of the international search report		
Date of the actual completion of the international search		LIJUL 2004		
10 June 2005 (10.06.2005) Name and mailing address of the ISA/US		Authorized officer	- culi	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Peter D. Mulcahy J. Whiteles		
Ale	D. Box 1450 Exandria, Virginia 22313-1450 D. (703) 305-3230	Telephone No. 571	-272-1700	Con