

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

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
29 November 2001 (29.11.2001)

PCT

(10) International Publication Number  
**WO 01/90209 A3**

- (51) International Patent Classification<sup>7</sup>: **C08G 18/48**, 18/76, C08J 9/08 (74) Agents: **KARG, Jochen** et al.; c/o BASF Aktiengesellschaft, 67071 Ludwigshafen (DE).
- (21) International Application Number: PCT/EP01/05391 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (22) International Filing Date: 11 May 2001 (11.05.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 09/579,239 24 May 2000 (24.05.2000) US (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
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- Published:  
— with international search report
- (88) Date of publication of the international search report:  
4 April 2002
- 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.*



WO 01/90209 A3

(54) Title: USE OF LOW UNSATURATED POLYETHER POLYOLS IN SLABSTOCK FOAM APPLICATIONS

(57) Abstract: The present invention discloses a method for the formation of a flexible slabstock polyurethane foam having substantially improved indentation force deflection and resilience characteristics while maintaining the other physical properties. The method comprises the steps of reacting a triol polyoxyalkylene polyether polyol having a plurality of internal blocks formed from oxyalkylene monomers with a plurality of terminal caps comprising ethylene oxide attached to said plurality of internal blocks, the internal blocks containing at least 80 % by weight propylene oxide based on the total weight of all of the oxyalkylenes in said internal blocks and the amount of ethylene oxide in the terminal caps comprising from 5 to 25 % by weight based on the total weight of the polyol, said polyol having a degree of unsaturation of less than or equal to 0.015 meq/g KOH with a polyisocyanate component in the presence of a catalyst and water as a blowing agent at a level of between 3 to 7 % by weight.

**INTERNATIONAL SEARCH REPORT**

International Application No

PCT/EP 01/05391

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 C08G18/48 C08G18/76 C08J9/08

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 7 C08G C08J

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, PAJ, 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 6 066 683 A (THOMPSON ANDREW M ET AL) 23 May 2000 (2000-05-23)  column 12, line 50 - line 67; claims 1,13,16 column 9, line 48 - line 57 ---	1-4, 6-14, 16-18
X	US 5 648 559 A (HAGER STANLEY L) 15 July 1997 (1997-07-15) column 5, line 60 -column 8, line 11; claim 1; examples; table 3 column 11, line 5 -column 12, line 59 ---	1-18
X	US 5 919 988 A (PAZOS JOSEF ET AL) 6 July 1999 (1999-07-06)  claims 1,3; examples 7,12-15,B ---	1-3,6-9, 11,13, 16-18
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

16 November 2001

Date of mailing of the international search report

23/11/2001

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 01/05391

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 403 313 A (DOW CHEMICAL CO) 19 December 1990 (1990-12-19) claims 1,9,11; examples -----	1-18

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