

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
20 March 2008 (20.03.2008)

PCT

(10) International Publication Number  
**WO 2008/033899 A3**

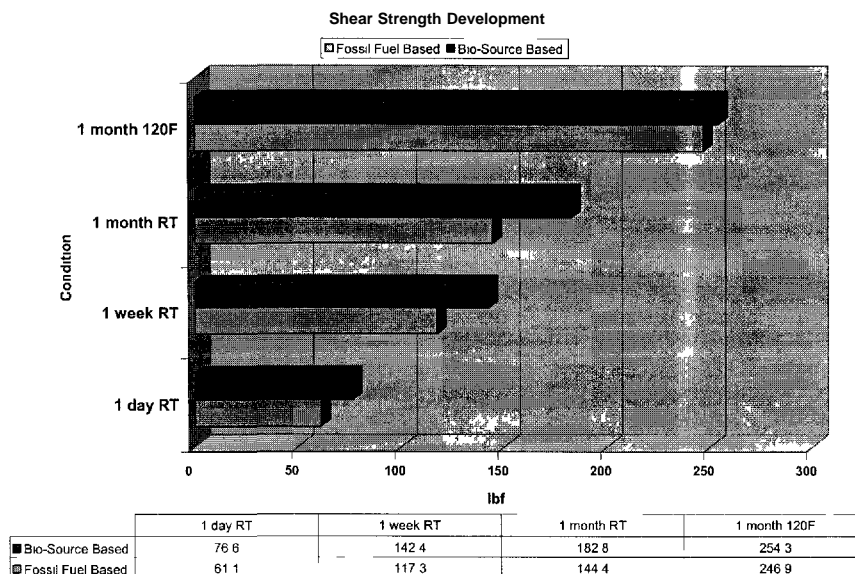
- (51) **International Patent Classification:**  
C08G 16/02 (2006.01) B29C 65/00 (2006.01)
- (21) **International Application Number:**  
PCT/US2007/078241
- (22) **International Filing Date:**  
12 September 2007 (12.09.2007)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**  
11/520,404 12 September 2006 (12.09.2006) US
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- (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

(88) **Date of publication of the international search report:**  
18 September 2008

(54) **Title:** BIO-SOURCE ADHESIVE



(57) **Abstract:** A one component adhesive composition is provided, which can be formulated from substantially or totally bio-based, renewable raw materials. Such adhesives can be formulated to have high strength and/or low or substantially no VOC emissions. This can be achieved by utilizing polymers that are derived or extracted from renewable plant materials such as soybeans, corn, sunflowers, wheat, etc. Adhesive compositions in accordance with the invention can include oils. The composition preferably contains bio-based oils only, but need not be completely free of fossil fuel or synthetic based oils. It should also include drying oils and/or similarly acting polymers, co-polymers, and fatty acids. Plasticizers, such as hydrogen oxide, derived from renewable sources are utilized to impart performance properties to the formulated adhesive. Metal naphthanates can be used to catalyze the drying and/or curing speed when the adhesive composition is applied to a substrate.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/7824 1

**A CLASSIFICATION OF SUBJECT MATTER**

IPC: C08G 16/02( 2006.01)  
B29C 65/00( 2006.0 1)

USPC: 530/200; 156/60

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. : 530/200; 156/60

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)

**C DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0073765 A1 (Ddamulire et al.) 17 Apr. 2003 (17.04.2003), tables 1,3,5 and claims 1-19.	1-28
Y	US 2002/0095007 A1 (Larock et al.) 18 Jul. 2002 ( 18 07.2002), abstract, claim 92.	1-28

Further documents are listed in the continuation of Box C.  See patent family annex

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

Date of the actual completion of the international search: 19 May 2008 (19.05.2008)

Date of mailing of this international search report: 17 JUN 2008

Name and mailing address of the ISA/US: Mail Stop PCT, Attn ISA/US, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Facsimile No. (571) 273-3201

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