

CORRECTED VERSION

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
1 April 2010 (01.04.2010)

PCT

(10) International Publication Number  
**WO 2010/036490 A8**

(51) International Patent Classification:

*C08G 18/42* (2006.01) *C09D 175/06* (2006.01)  
*C08G 18/48* (2006.01) *C09D 175/08* (2006.01)  
*C08G 18/66* (2006.01) *D06M 15/564* (2006.01)

(21) International Application Number:

PCT/US2009/055651

(22) International Filing Date:

2 September 2009 (02.09.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/099,690 24 September 2008 (24.09.2008) US

(71) Applicant (for all designated States except US): **LUBRIZOL ADVANCED MATERIALS, INC.** [US/US]; 9911 Brecksville Road, Cleveland, OH 44141-3247 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **WIESSNER, Robert, J.** [NL/NL]; P.G. Ballingslaan 37, 5531XG Bladel (NL).

(74) Agents: **POWELL, Joe, A.** et al.; Legal Department, Lubrizol Advanced Materials, Inc., 9911 Brecksville Road, Cleveland, OH 44141-3247 (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, CL, 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, PE, 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, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

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

(48) Date of publication of this corrected version:

3 June 2010

(15) Information about Correction:

see Notice of 3 June 2010

(54) Title: TPU COMPOSITIONS FOR MELT COATING PROCESSES

(57) Abstract: A TPU composition comprising two or more TPU polymers is disclosed. The TPU composition gives a broad process window for melt coating applications. The blend of TPUs give better processing than either of the individual TPU polymers used in the blend alone. This results in melt coating which gives less matt and glossy streaks and allows faster coating speeds along with lower coating weight. The two or more TPU polymers used in the blend have a different soft segment. The different soft segment is created by using different molecular weight polyol for the TPU polymers or by using chemically different polyols.



WO 2010/036490 A8