



(43) International Publication Date
6 March 2014 (06.03.2014)

(10) International Publication Number
WO 2014/035782 A1

(51) International Patent Classification:

C08G 18/32 (2006.01) *C08J 9/04* (2006.01)
C08G 18/28 (2006.01) *C08F 2/38* (2006.01)
C08G 18/62 (2006.01)

(21) International Application Number:

PCT/US2013/056125

(22) International Filing Date:

22 August 2013 (22.08.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/598,832 30 August 2012 (30.08.2012) US

(71) Applicants: **BAYER MATERIALSCIENCE LLC**

[US/US]; 100 Bayer Road, Pittsburgh, PA 15205-9741 (US). **ADKINS, Rick, L.** [US/US]; 144 Sandy Brae Drive, Cannonsburg, PA 15317 (US). **CHAUK, Shriniwas** [US/US]; 1652 Settlers Drive, Sewickley, PA 15143 (US). **CHARRON, James, R.** [US/US]; 644 Beverly Road, Pittsburgh, PA 15243 (US).

(74) Agents: **MROZINSKI JR., John, E.** et al.; Bayer Materials

science LLC, 100 Bayer Road, Pittsburgh, PA 15205-9741 (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, BN, 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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, 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))

(54) Title: POLYMER POLYOLS HAVING IMPROVED QUALITY

(57) Abstract: This invention relates to polymer polyols comprising one or more base polyols; one or more ethylenically unsaturated monomers in which at least one of the monomers is styrene which contains less than or equal to 1000 ppm of impurities; with one or more preformed stabilizers; in the presence of at least one free radical polymerization initiator; and optionally, one or more chain transfer agents.



WO 2014/035782 A1