



(51) International Patent Classification:

C09J 181/02 (2006.01) *C08L 81/02* (2006.01)
C09J 181/04 (2006.01) *C08L 81/04* (2006.01)

(21) International Application Number:

PCT/US2013/046497

(22) International Filing Date:

19 June 2013 (19.06.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/529,151 21 June 2012 (21.06.2012) US

(71) Applicant: **PRC-DESOTO INTERNATIONAL, INC.**
[US/US]; 12780 San Fernando Road, Sylmar, California
91342 (US).

(72) Inventors: **CAI, Juexiao**; 26504 Brooks Circle, Stevenson
Ranch, California 91381 (US). **LIN, Renhe**; 25440 Whar-
ton Drive, Stevenson Ranch, California 91504 (US).

(74) Agents: **MEYERS, Diane R.** et al.; PPG Industries, Inc.,
One PPG Place, 39th Floor, Pittsburgh, Pennsylvania
15272 (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, 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))
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

13 February 2014

(54) Title: MOISTURE-CURABLE, AMINE-CATALYZED SURFUR-CONTAINING POLYMER COMPOSITIONS

(57) Abstract: Disclosed are moisture-curable, amine-catalyzed compositions containing sulfur-containing polymers and blocked basic catalysts having extended pot life. The use of the moisture-curable, amine-catalyzed compositions in aerospace sealant applica-
tions is also disclosed.

