

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
6 June 2013 (06.06.2013)



(10) International Publication Number
WO 2013/081649 A1

(51) International Patent Classification:

C07C 29/70 (2006.01) *C08K 5/098* (2006.01)
C07C 37/66 (2006.01) *C08K 5/138* (2006.01)
C07C 57/12 (2006.01) *C07C 51/41* (2006.01)

(21) International Application Number:

PCT/US2012/020918

(22) International Filing Date:

11 January 2012 (11.01.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/306,308 29 November 2011 (29.11.2011) US

(71) Applicant (*for all designated States except US*): **AM STABILIZERS CORPORATION** [US/US]; 3100 Michigan Street, Hammond, IN 46323 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **KRUSE, Nicholas, A.** [US/US]; 823 North Wiggs Street, Griffith, IN 46319 (US). **FARONE, Eric, V.** [US/US]; 7218 Wellington Court, Hudson, OH 44236 (US). **LABOVITZ, Benjamin, P.** [US/US]; 450 Harrison Boulevard, Valparaiso, IN 46385 (US).

(74) Agents: **JOSEPHIC, David J** et al.; WOOD, HERRON & EVANS, LLP, 2700 Carew Tower, 441 Vine Street, Cincinnati, OH 45202-2917 (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, 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, MD, 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, ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: PROCESS FOR PREPARING LIQUID OVERBASED METAL CARBOXYLATES, MIXED METAL STABILIZERS CONTAINING SAME, AND STABILIZED HALOGEN-CONTAINING POLYMERS THEREWITH

(57) Abstract: Liquid overbased alkali or alkaline earth metal carboxylates, particularly barium carboxylates, are prepared by a process which includes the use of a beta diketone as a reaction promoter during carbonation. Mixed metal stabilizers containing the overbased metal carboxylates are used as stabilizers for halogen-containing polymers such as polyvinyl chloride (PVC).



WO 2013/081649 A1