

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 December 2007 (13.12.2007)

PCT

(10) International Publication Number
WO 2007/143407 A1

(51) International Patent Classification:
C08G 63/664 (2006.01) **C09D 167/00** (2006.01)

(21) International Application Number:
PCT/US2007/069610

(22) International Filing Date: 24 May 2007 (24.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/442,866 30 May 2006 (30.05.2006) US

(71) Applicant (for all designated States except US): **PPG INDUSTRIES OHIO, INC.** [US/US]; 3800 West 143rd Street, Cleveland, OH 44111 (US).

(72) Inventors: **AMBROSE, Ronald, R.**; 6307 Hampton, Pittsburgh, PA 15206 (US). **NIEDERST, Ken, W.**; 4735 Lucy Drive, Allison Park, PA 15101 (US). **DUDIK, John, M.**; 1968 Sampson Drive, Apollo, PA 15613 (US). **FUHR, Mary, Ann, M.**; 102 Manor Hill Drive, Butler, PA 16001 (US).

(74) Agents: **MEYERS, Diane, R.** et al.; PPG Industries, Inc., One PPG Place-39th Floor, Pittsburgh, PA 15272 (US).

(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, 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
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BIS EPOXY POLYESTERS AND FOOD CANS COATED WITH A COMPOSITION COMPRISING SAME

(57) Abstract: Polyesters comprising the reaction product of a polyol and a bis-epoxy reacted with a mono- and/or di-phenolic carboxylic acid and/or ester are disclosed. Food cans coated at least in part on the interior with a composition comprising these polyesters are also disclosed. The composition used on the food cans is substantially free of BPA and BPF and substantially free of BADGE and BFDGE. Food cans coated at least in part on the interior with a composition comprising a polyester having a loss of molecular weight of less than 50% in an acidic medium are also disclosed.



WO 2007/143407 A1