

(51) International Patent Classification:
C08G 64/24 (2006.01)(21) International Application Number:
PCT/US2010/025197(22) International Filing Date:
24 February 2010 (24.02.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/162,701 24 March 2009 (24.03.2009) US(71) Applicant (for all designated States except US): **DOW GLOBAL TECHNOLOGIES INC.** [US/US]; 2040 Dow Center, Midland, MI 48674 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHAUVEL, Jean** [US/US]; 31 Lake Road, Lake Jackson, TX 77566 (US). **OSBY, John** [US/US]; 109 Catalpa Street, Lake Jackson, TX 77566 (US). **BARTLETT, Wenzel** [US/US]; 507 Jackson Street, Clute, TX 77531 (US). **STEPHENSON, Serena** [US/US]; 107 Dewberry, Lake Jackson, TX 77566 (US). **HANSON, John** [US/US]; 12 South Erik, Angleton, TX 77515 (US). **BRADLEY, Jeffery** [US/US]; 8862 Snowy Owl Loop, Missouri City, TX77459 (US). **LEATHERWOOD, Walter** [US/US]; 112 South Magnolia, Lake Jackson, TX 77566 (US). **PARADKAR, Rajesh** [IN/US]; 57 Parsley Court, Lake Jackson, TX 77566 (US). **HO, Thoi** [US/US]; 54 Orchid Court, Lake Jackson, TX 77566 (US).(74) Agent: **CHRISTY, M., Robert**; The Dow Chemical Company, Intellectual Property, P. O. Box 1967, Midland, Michigan 48641-1967 (US).

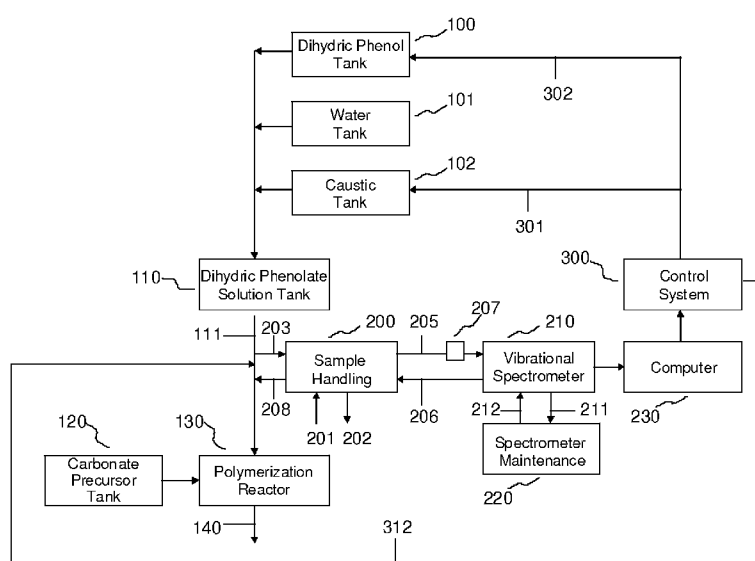
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, 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, 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, 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,

[Continued on next page]

(54) Title: METHOD FOR MONITORING MONOMER CONCENTRATION IN INTERFACIAL POLYCARBONATE MANUFACTURING PROCESS

FIG. 3



(57) Abstract: The present invention relates to an improved process for online measurement of monomer concentration, specifically bisphenol A, in an interfacial polycarbonate manufacturing process. Wherein the measurement is obtained by vibrational spectroscopy for the purpose of improving process control, specifically, controlling the carbonate polymer molecular weight.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, **Published:**
ML, MR, NE, SN, TD, TG).

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