

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 December 2007 (21.12.2007)

PCT

(10) International Publication Number
WO 2007/146143 A3

(51) International Patent Classification:

C07C 213/02 (2006.01) *C07C 29/145* (2006.01)
C07C 215/08 (2006.01) *C07C 45/52* (2006.01)

(21) International Application Number:

PCT/US2007/013539

(22) International Filing Date: 7 June 2007 (07.06.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/811,704 7 June 2006 (07.06.2006) US

(71) Applicant (for all designated States except US): **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, Ohio 45202 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ARREDONDO, Victor, Manuel** [US/US]; 7469 Cinnamon Woods Drive, West Chester, Ohio 45069 (US). **CORRIGAN, Patrick, Joseph** [US/US]; 6 Richardson Drive, Glendale, Ohio 45246 (US). **CEARLEY, Angella, Christine** [US/US]; 4292 Freeman Avenue, Hamilton, Ohio 45015 (US). **BACK, Deborah, Jean** [US/US]; 7189 State Rt. 128, Cleves, Ohio 45002 (US). **GIBSON, Michael, Steven** [US/US]; 4509 Ravenwood Court, Cincinnati, Ohio 45244

(US). **FAIRWEATHER, Neil, Thomas** [US/US]; 5207 Taylor Lake Lane, Liberty Township, Ohio 45044 (US).

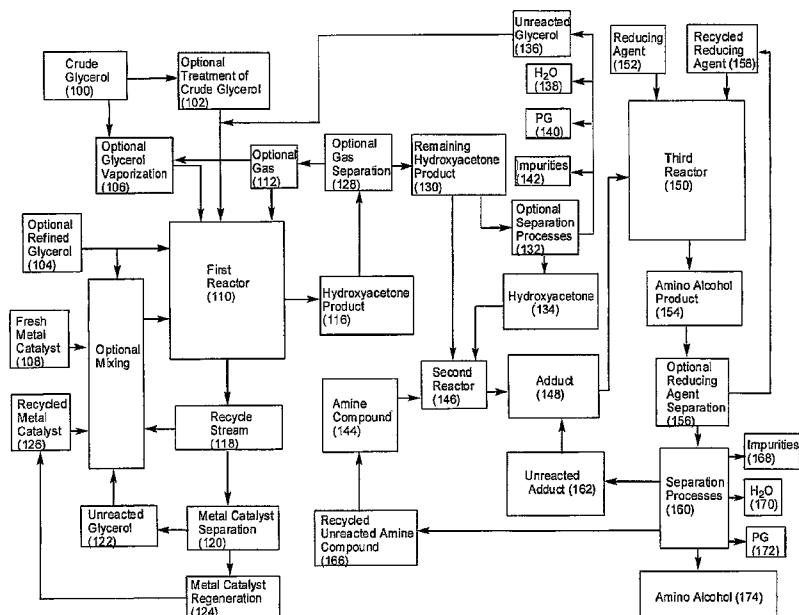
(74) Common Representative: **THE PROCTER & GAMBLE COMPANY**; c/o Eileen L. Hughett, The Procter & Gamble Company, Winton Hill Business Center, 6250 Center Hill Road, Cincinnati, Ohio 45224 (US).

(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, 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, 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).

[Continued on next page]

(54) Title: PROCESSES FOR CONVERTING GLYCEROL TO AMINO ALCOHOLS



(57) Abstract: Processes for converting glycerol to an amino alcohol product involving reacting glycerol with a metal catalyst to obtain hydroxyacetone, and reacting the hydroxyacetone with an amine compound to obtain an adduct that is then reduced using a reducing agent to obtain an amino alcohol product are described.



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*

(88) **Date of publication of the international search report:**
28 February 2008