



(51) International Patent Classification:

A61K 8/19 (2006.01) *A61Q 11/00* (2006.01)
A61K 8/88 (2006.01)

(21) International Application Number:

PCT/US2011/065129

(22) International Filing Date:

15 December 2011 (15.12.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant (for all designated States except US): **COLGATE-PALMOLIVE COMPANY** [US/US]; 300 Park Avenue, New York, New York 10022 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SCHAEFFER-KORBYLO, Lyndsay** [US/US]; 24 Clearbrook Lane, Flemington, New Jersey 08822 (US). **CUIULE, Christine** [US/US]; 2 Ardleigh Court, Mount Laurel, New Jersey 08054 (US). **DU-THUMM, Laurence** [US/US]; 16 Woodfield Court, Princeton, New Jersey 08540 (US).

(74) Agent: **HEBLE, Nikhil A.**; Colgate-Palmolive Company, Patent Department, 909 River Road, Piscataway, New Jersey 08855 (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: ORAL CARE COMPOSITIONS

(57) Abstract: Described herein are oral care compositions comprising (i) an orally acceptable gallium salt and (ii) a basic amino acid polymer, in amounts effective to disrupt biofilm; and methods of making and using the same.



WO 2013/089735 A1