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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 June 2012 (28.06.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/087325 A1

(51) International Patent Classification:
A61K 8/73 (2006.01) *A61Q 11/00* (2006.01)
A61K 8/81 (2006.01)

(21) International Application Number:
PCT/US2010/061959

(22) International Filing Date:
23 December 2010 (23.12.2010)

(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)*: **PIMENTA, Paloma** [BR/US]; 3528 Amboy Road, Unit A, Staten Island, New York 10306 (US). **JOZIAK, Marilou T.** [US/US]; 211 Willett Avenue, South River, New Jersey 08882 (US). **PILCH, Shira** [US/US]; 909 South Park Avenue, Highland Park, New Jersey 08904 (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, 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, LR, LS, MW, MZ, NA, 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))*

WO 2012/087325 A1

(54) Title: AQUEOUS ORAL CARE COMPOSITION COMPRISING XANTHAN GUM, CELLULOSE GUM AND CARBOMER

(57) Abstract: Described herein are aqueous compositions comprising polymers, which deliver a polymer film to surfaces of the oral cavity to relieve dry mouth; and methods of preparing and using the same.