



(51) International Patent Classification:

A61K 8/37 (2006.01) *A61P 31/04* (2006.01)
A61K 31/235 (2006.01) *A61P 17/10* (2006.01)
A61K 31/166 (2006.01) *A61P 17/02* (2006.01)
C07C 69/88 (2006.01) *A61P 29/00* (2006.01)
C07C 235/54 (2006.01) *A61K 8/67* (2006.01)
A61K 8/42 (2006.01) *A61K 8/66* (2006.01)
A61Q 11/00 (2006.01)

(21) International Application Number:

PCT/US2012/070062

(22) International Filing Date:

17 December 2012 (17.12.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/333,209 21 December 2011 (21.12.2011) US

(71) Applicant: COLGATE-PALMOLIVE COMPANY
[US/US]; 300 Park Avenue, New York, New York 10022
(US).

(72) Inventors: JARACZ, Stanislav; 22 Heather Drive,
Somerset, New Jersey 08873 (US). XU, Guofeng; 40 Sil-
vers Lane, Plainsboro, New Jersey 08536 (US). MILLER,
Steven; 66 Sycamore Lane, Skillman, New Jersey 08558
(US). LEIGH, Leonora; 243 Dorset Court, Piscataway,
New Jersey 08854 (US). PICQUET, Guillaume; 51 Glen
Ridge Drive, Long Valley, New Jersey 07853 (US). DU-
THUMM, Laurence; 16 Woodfield Court, Princeton,
New Jersey 08540 (US).

(74) Agents: HEBLE, Nikhil A. et al.; Colgate-Palmolive
Company, Patent Department, 909 River Road, Piscat-
away, 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, BN, 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, PA, 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, 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:

— *without international search report and to be republished
upon receipt of that report (Rule 48.2(g))*

(54) Title: COMPOSITIONS COMPRISING GALLATES AND GALLAMIDES

(57) Abstract: Described herein are compositions for topical use comprising an antibacterially effective concentration of a gallate or gallamide compound which is a polysubstituted cycloalkyl or heterocycloalkyl wherein the substituents are selected from hydroxy, hydroxymethyl, fluoro, chloro, amino, nitro, or a moiety of formula -X-(CO)-(3,4,5-trihydroxyphenyl), wherein X is selected from O and NH, provided that the substituents comprise at least two moieties of formula -X-(CO)-(3,4,5-trihydroxyphenyl) attached to adjacent carbons in free or in orally or topically acceptable salt form, as well as methods of making and using the same.

