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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 August 2012 (23.08.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/110106 A1

(51) **International Patent Classification**:
A61K 8/21 (2006.01) *A61Q 11/00* (2006.01)
A61K 8/73 (2006.01)

(21) **International Application Number**:
PCT/EP2011/052473

(22) **International Filing Date**:
18 February 2011 (18.02.2011)

(25) **Filing Language**: English

(26) **Publication Language**: English

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(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 2012/110106 A1

(54) **Title**: DENTIFRICE COMPOSITION

(57) **Abstract**: A dentifrice, such as toothpaste, containing chitosan or pharmaceutically acceptable acid addition salt thereof with fluoride ions, for use against erosive tooth demineralization, and kits containing containing chitosan or pharmaceutically acceptable acid addition salt thereof with fluoride ions, wherein one of the two active agents is comprised in a dentifrice, are described. The dentifrice in the form of toothpaste may furthermore comprise dissolved tin, in particular stannous ions. Toothpastes containing chitosan or pharmaceutically acceptable acid addition salt thereof with fluoride ions are tested in the treatment or prevention of erosive tooth demineralisation caused by citric acid.