30/10/02
20020670 49

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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 November 2001 (15.11.2001)

PCT

(10) International Publication Number
WO 01/85115 A3

(51) International Patent Classification[7]: A61K 7/16

(21) International Application Number: PCT/US01/14737

(22) International Filing Date: 8 May 2001 (08.05.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/567,402 9 May 2000 (09.05.2000) US

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

(72) Inventors: DURGA, Gary, A.; 155 Alcoa Avenue, Edison, NJ 08837 (US). PRENCIPE, Michael; 39 Spruce Street, Princeton Junction, NJ 08550 (US). PRIOLO, Peter, J.; 34A Bartle Court, Highland Park, NJ 08904 (US). REN, Peter; 19 Davis Court, Martinsville, NJ 08836 (US).

(74) Agent: SHAPIRO, Paul; Colgate-Palmolive Company, 909 River Road, P.O. Box 1343, Piscataway, NJ 08855-1343 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
23 May 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

162162

ACTION

WO 01/85115 A3

(54) Title: HIGH CLEANING DENTIFRICE

(57) Abstract: A high cleaning low abrasion dentifrice containing a silica hydrogel having a mean particle size from about 5 to about 11 microns; an Einlehner hardness of from 1 to about 20; an oil absorption of about 40 to less than about 100 cc/g, a BET surface area from 100 to 700 m2/g of silica, the particles having a morphology characterized by glass conchoidal fracture surfaces whereby, the dentifrice composition has a RDA of 110 to 200 and a PCR from about 150 to about 300.