

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

24590

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵ : C11D 10/04, 17/00	A1	(11) International Publication Number: WO 93/19154 (43) International Publication Date: 30 September 1993 (30.09.93)
(21) International Application Number: PCT/US93/02551 (22) International Filing Date: 18 March 1993 (18.03.93) (30) Priority data: 07/854,932 20 March 1992 (20.03.92) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: KACHER, Mark, Leslie ; 9731 Montclair Drive, Mason, OH 45040 (US). TANERI, James, Eden ; 5534 Heron Drive, West Chester, OH 45069 (US). SCHMIDT, Diane, Grob ; 9902 Hunters Run Lane, Cin- cinnati, OH 45242 (US). QUIRAM, Daniel, Jonathan ; 1653 Condor Avenue, Norfolk, VA 23518 (US). EVANS, Marcus, Wayne ; 961 Sarbrook Drive, Cincinnati, OH 45231 (US).	(74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45202 (US). (81) Designated States: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>	
(54) Title: NEUTRAL pH CLEANSING BAR		
(57) Abstract The invention provides a firm, ultra mild, neutral pH cleansing bar comprising: from about 5 % to about 50 % of monocarboxylic acid; wherein from about 20 % to about 65 % by weight of said monocarboxylic acid is neutralized; from about 20 % to about 65 % of an anionic and/or nonionic bar firmness aid, and from about 15 % to about 55 % water by weight of said bar; wherein said free monocarboxylic acid is from about 35 % to about 80 % by weight of said mixture of free and neutralized monocarboxylic acid; wherein said neutral pH is from about 6.3 to about 8.0; wherein the said neutralized monocarboxylic acid has a cation selected from the group consisting of sodium, magnesium, calcium, aluminum, and mixtures thereof; and wherein said bar comprises a rigid crystalline phase skeleton structure comprising an interlocking, open three-dimensional mesh of elongated crystals consisting essentially of said monocarboxylic acid.		

This Sheet Has Been Replaced

