THIS SHEET HAS BEEN REPLACED

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 5 : A61K 7/06 — A2

(11) International Publication Number: WO 93/087

(43) International Publication Date: 13 May 1993 (13.05.

(21) International Application Number: PCT/US92/09237

(22) International Filing Date: 27 October 1992 (27.10.92)

(30) Priority data:
784,278 — 29 October 1991 (29.10.91) — US
960,473 — 22 October 1992 (22.10.92) — US

(71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) Inventors: WELLS, Robert, Lee ; 4245 Rose Hill Avenue, Cincinnati, OH 45229 (US). SCHMIDT, Robert, Raymond ; 504 General Drive, Ft. Wright, KY 41011 (US). KING, Bonnie, Theresa ; 4232 Oak Lane, Alexandria, KY 41001 (US).

(74) Agents: REED, T., David et al.; The Procter & Gam Company, 5299 Spring Grove Avenue, Cincinnati, (45202 (US).

(81) Designated States: AU, BB, BG, BR, CA, CS, FI, HU, KP, KR, LK, MG, MN, MW, NO, PL, RO, RU, SD, ropean patent (AT, BE, CH, DE, DK, ES, FR, GB, (IE, IT, LU, MC, NL, SE), OAPI patent (BF, BJ, (CG, CI, CM, GA, GN, ML, MR, SN, TD, TG).

Published
Without international search report and to be republis upon receipt of that report.

(54) Title: SHAMPOO COMPOSITIONS WITH SILICONE, CATIONIC POLYMER, AND OILY LIQUID CONDITIO ING AGENTS

(57) Abstract

Disclosed are hair conditioning shampoo compositions comprising: (a) from about 5 % to about 50 %, by weight, of an ionic surfactant component; (b) from about 0.05 % to about 10 %, by weight, of a dispersed, insoluble, nonvolatile, nonionic s cone hair conditioning agent; (c) from about 0.05 % to about 10 %, by weight, of a water soluble, cationic organic hair conditi ing polymer agnet having a cationic charge density of from about 0.9 meq/gram to about 4 meq/gram; (d) from about 0.05 % about 5 %, by weight, of an organic, nonvolatile, water insoluble, liquid selected from the group consisting of hydrocarbon (and fatty esters, and mixtures thereof; and (e) an aqueous carrier. The shampoo compositions hereof can provide excellent ov all hair conditioning benefits, in conjunction with excellent cleaning performance.

This Sheer Has Been Replaced