



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C11D 17/00, 3/20, 3/18, 3/43	A1	(11) International Publication Number: WO 99/51717 (43) International Publication Date: 14 October 1999 (14.10.99)
(21) International Application Number: PCT/US99/07694 (22) International Filing Date: 8 April 1999 (08.04.99) (30) Priority Data: 09/057,167 8 April 1998 (08.04.98) US (71) Applicant: KIMBERLY-CLARK WORLDWIDE, INC. [US/US]; 401 N. Lake Street, Neenah, WI 54956 (US). (72) Inventors: STROUT, Kelly, Michael; 4612 Calibre Creek Parkway, Roswell, GA 30076 (US). MADDERN, Peter; 2 Paddock Way, Ruthin Road, Gwernymynydd, Mold, Flintshire CH7 5LA (GB). (74) Agents: SIDOR, Karl, V. et al.; Kimberly-Clark Worlwide, Inc., 401 North Lake Street, Neenah, WI 54956 (US).	(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	

(54) Title: LIPOSOME CONTAINING CLEANING COMPOSITION

(57) Abstract

The present invention may include a cleanser having a liposome and greater than about 40 weight percent of a solvent. The liposome may be loaded with the solvent more than about 7 days after the manufacture of the liposome. The solvent may be an isoprenoid or ester solvent. Furthermore, the solvent may be d-limonene or a dibasic ester. In addition, the liposome may be selected from the group consisting of large unilamellar vesicles, multilamellar vesicles, paucilamellar vesicles, and small unilamellar vesicles. Desirably, the liposome is a paucilamellar vesicle. Desirably, the cleanser may have a solvent weight percent greater than about 60. More desirably, the cleanser may have a weight percent of solvent greater than about 80. Moreover, the solvent is about a 1:1 weight ratio of d-limonene and dibasic ester.

