



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61K 7/06, C08J 3/09	A1	(11) International Publication Number: WO 99/25312 (43) International Publication Date: 27 May 1999 (27.05.99)
(21) International Application Number: PCT/US98/24531 (22) International Filing Date: 17 November 1998 (17.11.98) (30) Priority Data: 60/066,199 19 November 1997 (19.11.97) US (71) Applicant (for all designated States except US): HERCULES INCORPORATED [US/US]; Intellectual Property Section, 1313 N. Market Street, Wilmington, DE 19894-0001 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): BURDICK, Charles, Lee [US/US]; 307 Walker Road, Landenberg, PA 19350 (US). HOFMAN, Hans [NL/NL]; J. Naberef 183, NL-3315 HE Dordrecht (NL). MELBOUCI, Mohand [FR/NL]; Cannenburg 161, NL-3328 AX Dordrecht (NL). DEBRUIN, Jacobus, Johannes [NL/NL]; Bolero 113, NL-33 EE Zwijndrecht (NL). (74) Agent: SLOAN, Martin, F.; Hercules Incorporated, 1313 N. Market Street, Wilmington, DE 19894-0001 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, 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, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, 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 <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: FLUIDIZED POLYMER SUSPENSIONS OF CATIONIC POLYSACCHARIDES IN EMOLLIENTS AND USE THEREOF IN PREPARING PERSONAL CARE COMPOSITIONS (57) Abstract There are disclosed stable fluidized polymer suspensions containing cationic polysaccharide, stabilizing agent and emollient. The preferred cationic polysaccharides are cationic guar and cationic hydroxypropyl guar, and preferred emollients are hydrocarbons, silicone oils and esters. Processes for preparing personal care compositions utilizing the fluidized polymer suspensions are also disclosed. Using the fluidized polymer suspensions in the processes provides the advantages of more rapid dissolution and avoidance of lumps and gels when compared to using dry, powdered cationic polysaccharides.		