

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

19053

copy.



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C11D 3/395, 17/00, 3/37	A1	(11) International Publication Number: WO 97/39099 (43) International Publication Date: 23 October 1997 (23.10.97)
(21) International Application Number: PCT/US97/03728 (22) International Filing Date: 10 March 1997 (10.03.97) (30) Priority Data: 9607662.5 12 April 1996 (12.04.96) GB (71) Applicant (for all designated States except US): RECKITT & COLMAN INC. [US/US]; 225 Summit Avenue, Montvale, NJ 07645 (US). <i>Add changed.</i> (72) Inventor; and (75) Inventor/Applicant (for US only): WEIBEL, A., Thomas [US/US]; 30 Piney Branch Road, Cranbury, NJ 08512 (US). (74) Agents: RABIN, Frederick, H. et al.; Fish & Richardson P.C., Suite 2800, 45 Rockefeller Plaza, New York, NY 10111 (US).		(81) Designated States: AL, AU, BB, BG, BR, CA, CN, CU, CZ, EE, GB, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>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.</i>
(54) Title: STABLE BLEACH-CONTAINING CLEANSING COMPOSITIONS WITH SOFT ABRASIVES (57) Abstract A hard surface scouring cleaner composition comprises, by weight, (a) from 0.5 to 10 % of soft abrasive particles, (b) from 0.5 to 2.5 % of a chlorine-containing bleach, (c) from 0.2 to 3.0 % of a thickening system comprising from 0.2 to 3.0 %, based on the weight of the composition, of a cross-linked polyacrylate resin having a molecular weight in the range of 1,000,000 to 10,000,000 and from 0 to 2.5 % of a synthetic smectite clay, (d) from 0.25 to 3.0 % of a bleach-stable surfactant system comprising mainly anionic surfactants, (e) from 0 to 3.0 % of an electrolyte selected from the group comprising sodium or potassium carbonates or silicates, and (f) sufficient amount of sodium or potassium hydroxide to provide a pH in the range of 11.5 to 13.5. These compositions have an apparent viscosity as measured on a Brookfield RVTDV-II with a #6 spindle at 50 rpm of from 0.5 to 7 Kcps and at 1 rpm of from 10 to 150 Kcps. The abrasive particles are preferably organic particles such as polyethylene or polypropylene.		

9805345-7