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(21) International Application Number: PCT/US97/22694 (22) International Filing Date: 12 December 1997 (12.12.97) (30) Priority Data: 08/770,972 20 December 1996 (20.12.96) US 60/049,659 16 June 1997 (16.06.97) US 60/065,034 10 November 1997 (10.11.97) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: OPOSU-ASANTIE, Kofi; 1535 Cedar Avenue, Cincinnati, OH 45224 (US). OWENS, Robert; 3299 Crest Road, Cincinnati, OH 45251 (US). VINSON, Phillip, Kyle; 5803 Windermere Lane, Fairfield, OH 45014 (US). OGLESBY, Janice, Lee; 2708 Oakhaven Drive, West Har- rison, IN 47060 (US). SCHEIBEL, Jeffrey, John; 6651 Mi- ami Trails Drive, Loveland, OH 45140 (US). SCHEPER, William, Michael; 2393 Picnic Woods Drive, Lawrence- burg, IN 47025 (US). CLARKE, Joanna, Margaret; 80, rue Armand Campenout, B-1050 Ixelles (BE). KASTURI, Chandrika; Apartment 110, 1570 Gelhot Drive, Fairfield, OH 45014 (US). MCKENZIE, Kristen, Lynne; 5365 Har- vestdale Drive, Mason, OH 45040 (US).		(74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (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, 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, 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, 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.</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: DISHWASHING DETERGENT COMPOSITIONS CONTAINING ORGANIC DIAMINES (57) Abstract The present invention relates to detergent compositions containing low molecular weight organic diamines. More particularly, the invention is directed to detergent compositions for hand dishwashing which have improved grease removal performance and benefits in sudsing. The detergents of this invention also have improved low temperature stability properties and dissolution properties.		