

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : D21H 27/38, 27/40, 27/32	A1	(11) International Publication Number: WO 96/34149 (43) International Publication Date: 31 October 1996 (31.10.96)
(21) International Application Number: PCT/US96/04184 (22) International Filing Date: 27 March 1996 (27.03.96) (30) Priority Data: 08/427,367 24 April 1995 (24.04.95) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: STEINHARDT, Mark, John; 8387 Chesney Lane, Cincinnati, OH 45249 (US). BOATMAN, Donn, Nathan; 7313 Kings Wood Drive, West Chester, OH 45069 (US). JOFFE, Frederick, Martin; 368 Oliver Road, Cincinnati, OH 45215 (US). LUDWIG, Barbara, Ann; 3439 Linwood Avenue, Cincinnati, OH 45226 (US). TROKHAN, Paul, Dennis; 1356 Warvel Road, Hamilton, OH 45013 (US). SILBER, Barry, Robert; 7617 Carriage Lane, Cincinnati, OH 45242 (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, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (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 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: DISPOSABLE PAPER PRODUCTS WITH INDICATOR MEANS

(57) Abstract

Disposable paper products, such as paper toweling, are provided with an indicator means which is disposed on said disposable paper product in a discontinuous or combination discontinuous/continuous pattern. The indicator means gives a visually recognizable signal to a user that desirable properties of the disposable paper product are maintained, even after the disposable paper product has become wetted with a substantially transparent aqueous liquid. The wet gray scale difference for the disposable paper product of the present invention is at least about 64 gray scale units when the disposable paper product is wetted with a substantially transparent aqueous liquid.

