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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : D21F 11/00, 1/00	A1	(11) International Publication Number: WO 97/26407 (43) International Publication Date: 24 July 1997 (24.07.97)
(21) International Application Number: PCT/US97/00634 (22) International Filing Date: 16 January 1997 (16.01.97) (30) Priority Data: 08/588,643 19 January 1996 (19.01.96) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: RASCH, David, Mark; 566 Forest Ridge Court, Cincinnati, OH 45244 (US). SEWARD, Larry, Odell; 11484 Oakstand Drive, Cincinnati, OH 45240 (US). BOUTILIER, Glenn, David; 10566 Stablehand Drive, Cincinnati, OH 45242 (US). <i>see PFG</i> (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, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, 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 <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: **PAPER HAVING IMPROVED PINHOLE CHARACTERISTICS AND PAPERMAKING BELT FOR MAKING THE SAME**

(57) Abstract

A papermaking belt (10) comprising a reinforcing structure (33) and a framework (32). The reinforcing structure (33) has air permeability not less than 800 cfm and a Fiber Support Index not less than 75. The framework (32) is joined to the reinforcing structure (33) and extends outwardly not more than about 6.5 mils from the reinforcing structure (33). The framework (32) has deflection conduits (36) dispersed throughout, encompassed by, and isolated one from another by the framework (32). A paper-contacting surface (11) of the framework (32) comprises a paper-side network (34a) which encompasses paper-side openings (42) of the deflection conduits (36). A substantial portion of each paper-side opening (42) is not less than about 45 mils in each of its dimensions measured in the X-Y plane. A paper web (80) having two regions: an essentially continuous and macroscopically monoplanar network region (83), and a dome region (84) comprising a plurality of discrete domes encompassed by the network region. The domes are distributed in a nonrandom, repeating pattern. A substantial portion of each dome is greater than about 45 mils in each of its dimensions measured in the X-Y plane. The density of the network region (83) is greater than the density of the dome region (84).

