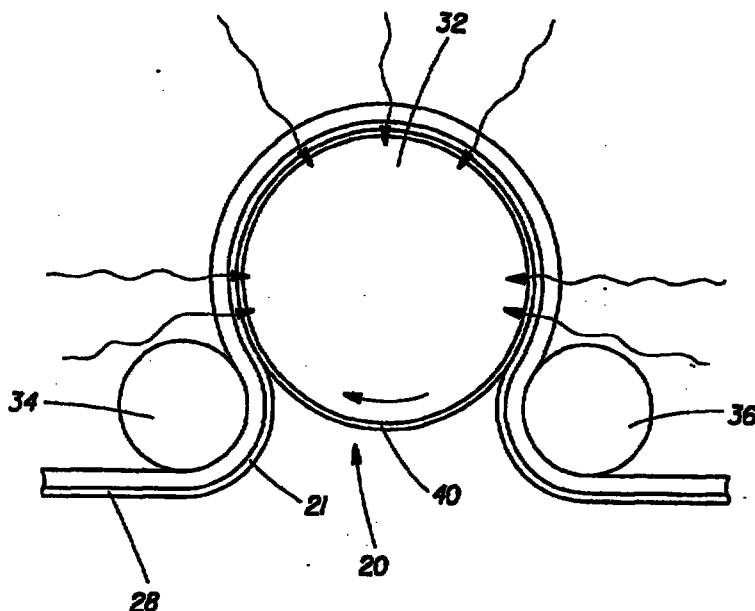




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(21) International Application Number: PCT/IB98/01284 (22) International Filing Date: 19 August 1998 (19.08.98) (30) Priority Data: 08/927,952 11 September 1997 (11.09.97) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: ENSIGN, Donald, Eugene; 7325 Kennedy Lane, Cincinnati, OH 45242 (US). TROKHAN, Paul, Dennis; 1356 Warvel Road, Hamilton, OH 45013 (US). STELLJES, Michael, Gomer, Jr.; 8354 Ashley Hall Court, West Chester, OH 45069 (US). (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (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, 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>

(54) Title: REDUCED SURFACE ENERGY LIMITING ORIFICE DRYING MEDIUM, PROCESS OF MAKING, AND PROCESS OF MAKING PAPER THEREWITH

**(57) Abstract**

An apparatus for drying an embryonic web. The apparatus comprises a micropore medium having pores therethrough. The pores are the limiting orifice in the air flow used in the drying process. The micropore medium has a surface oriented towards and preferably contacting the web to be dried. This surface has a relatively low surface energy, and preferably a surface energy of less than 46 dynes per centimeter.