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(21) International Application Number: PCT/US95/09424 (22) International Filing Date: 26 July 1995 (26.07.95) (30) Priority Data: 08/287,571 August 1994 (09.08.94) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: KING, Willie, E.; 155 Bonham Road, Cincinnati, OH 45215 (US). KLINE, Mark, James; 5265 Ponderosa Drive, Cincinnati, OH 45239 (US). (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).	(81) Designated States: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, 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), ARIPO patent (KE, MW, SD, SZ, UG). Published With international search report. SG 9700571-4 RTMP copy ① PCT Pub + SR ② IPER ③ Replacement 9-98	
(54) Title: NONWOVEN FEMALE COMPONENT FOR REFASTENABLE FASTENING DEVICE		
(57) Abstract A loop fastening material (22) having an elastomeric backing (34) joined with a nonwoven web (30). The backing (34) preferably comprises an elongated orientation, a relaxed orientation and a path of response along which the backing contracts from its elongated orientation to its relaxed orientation. The nonwoven web (30) preferably comprises filaments (36) that are secured to each other at fixed regions by inter-fiber bonds forming a nonwoven web bonding pattern comprising nonwoven web bonding pattern elements. Between the fixed regions (42) the nonwoven web (30) preferably comprises unsecured regions (35). The nonwoven web (30) is preferably joined with the backing (34) while the backing is in its elongated orientation. Construction bonds (39) forming a construction bond pattern (40) join the nonwoven web with the backing. In preferred embodiments of the present invention the construction bond pattern (40) intersects with at least two points of each nonwoven web bonding pattern element. Thus, when the backing (34) is contracted from its elongated orientation to its relaxed orientation, the unsecured regions of the nonwoven web become shirred and extend outwardly from the backing (34) to form catching regions (37) that are capable of entangling the engaging elements (28) of a complementary male fastening component (24).		

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