

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61F 13/58, 13/15		A1	(11) International Publication Number: WO 96/37174
			(43) International Publication Date: 28 November 1996 (28.11.96)
(21) International Application Number: PCT/US96/06714			(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).
(22) International Filing Date: 10 May 1996 (10.05.96)			
(30) Priority Data: 08/450,773 24 May 1995 (24.05.95) US			
(71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).			
(72) Inventors: GOULAIT, David, Joseph, Kenneth; 10025 Sonya Lane, Cincinnati, OH 45241 (US). CABELL, David, William; 6646 Pownernfarm Drive, Cincinnati, OH 45248 (US).			
(74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).			Published With international search report.

(54) Title: METHOD FOR MANUFACTURING TAPE TAB FASTENERS

(57) Abstract

A method for the manufacture of tape tab stock that may be used to produce tape tabs for use with disposable absorbent articles, as well as a method for the on-line manufacture of tape tabs that may be manufactured concurrently with the chassis of the absorbent article to which the tape tabs will be attached. The first step is to provide a backing substrate upon which the adhesives of the tape tab can be applied. Once the backing is provided, a pressure-sensitive adhesive is applied to regions of one side of the backing substrate. (The pressure-sensitive adhesive preferably functions as the adhesive used to fasten an element of the absorbent article, such as a front waist region, to another element of the absorbent article, such as a rear waist region). The backing substrate is then slit in a direction parallel to the machine direction and the release surface of a release substrate is placed in contact with the pressure-sensitive adhesive, forming a laminate comprising the backing substrate and the release substrate. The release substrate preferably covers the entire surface of the backing substrate upon which pressure-sensitive adhesive has been applied. However, in a preferred embodiment, at least a portion of the backing substrate extends outwardly in a direction parallel to the cross machine direction beyond the longitudinal edges of the release substrate. The surface of the laminate, including the surface of the release substrate that is not in contact with the pressure-sensitive adhesive, and any of the backing substrate not covered by the release substrate is then coated with a construction adhesive. (The construction adhesive is used to join the tape tabs to the absorbent article). After the construction adhesive is applied to the surface of the laminate, the laminate is slit in a direction parallel to the machine direction and either rewound for shipping or storage, or fed to a taper unit that is integrated into the absorbent article manufacturing line. The taper unit cuts individual tape tabs and applies them to the absorbent article chassis.

