

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵ : A61F 13/15		A2	(11) International Publication Number: WO 94/28842
			(43) International Publication Date: 22 December 1994 (22.12.94)
(21) International Application Number: PCT/US94/05788		(81) Designated States: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KG, KP, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, 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).	
(22) International Filing Date: 23 May 1994 (23.05.94)			
(30) Priority Data: 08/072,300 3 June 1993 (03.06.93) US			
(71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).		Published <i>Without international search report and to be republished upon receipt of that report.</i>	
(72) Inventors: LAVON, Gary, Dean ; 7320 Canterbury Court, West Chester, OH 45044 (US). CARLIN, Edward, Paul ; 2902 Millbank Road, Maineville, OH 45039 (US). BUELL, Kenneth, Barclay ; 218 Brocdorf Drive, Cincinnati, OH 45215 (US). DESMARAIS, Thomas, Allen ; 10204 Scull Road, Cincinnati, OH 45252 (US). CHANG, John, Allen ; Villa des Ternes, 14, avenue Pavillons, F-75017 Paris (FR). MUELLER, Christina, Susanne ; Max-Reger-Strasse 33, D-69121 Heidelberg (DE). HAGA, Takako ; 1-27-414, Asahigaoka-cho, Ashiya, Hyogo 659 (JP).			
(74) Agents: REED, T., David et al. ; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).			

This Sheet Has Been Replaced



(54) Title: **ABSORBENT ARTICLES PROVIDING SUSTAINED DYNAMIC FIT**

(57) Abstract

Absorbent articles such as diapers, incontinent briefs, training pants, diaper holders and liners, feminine hygiene garments, and the like, designed to provide sustained dynamic fit about the wearer during use as well as to improve the containment of body exudates and wearer comfort/mobility. Such an absorbent article has an absorbent core preferably designed to fit within the low motion zone of the wearer so that dynamic forces imparted by movements of the wearer on the absorbent core are minimized. The absorbent article is also provided with a closure system for anchoring the absorbent article on the wearer to sustain the dynamic fit of the absorbent article throughout wearing. The closure system is designed so that a primary line of tension, fitting at an angle to the body, is formed to secure the absorbent article on a wearer. The absorbent article preferably further comprises elastic features for fitting about the extremities of the wearer, including elastic waist features, elastic leg features, and elastic side panels, that allow freedom of movement for the wearer as well as maintenance of forces about the body to sustain the fit of the absorbent article. Preferred containment assembly (chassis) designs are also provided.

