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(21) International Application Number: PCT/US92/04770 (22) International Filing Date: 8 June 1992 (08.06.92) (30) Priority data: 718,727 21 June 1991 (21.06.91) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: THOMAS, Dennis, Albert ; 11634 Mt. Holly Court, Cincinnati, OH 45240 (US). GOULAIT, David, Joseph, K. ; 10025 Sonya Lane, Cincinnati, OH 45241 (US).		(74) Agent: REED, T., David; The Procter & Gamble Cor pany, Ivorydale Technical Center, 5299 Spring Gro Avenue, Cincinnati, OH 45217-1087 (US). (81) Designated States: AU, BB, BG, BR, CA, CS, FI, HU, J KP, KR, LK, MG, MN, MW, NO, PL, RO, RU, SD, E ropean patent (AT, BE, CH, DE, DK, ES, FR, GB, G IT, LU, MC, NL, SE), OAPI patent (BF, BJ, CF, C CI, CM, GA, GN, ML, MR, SN, TD, TG). Published With international search report.

(54) Title: SCREEN PRINTING METHOD FOR MANUFACTURING A REFASTENABLE MECHANICAL FASTENING SYSTEM AND FASTENING SYSTEM PRODUCED THEREFROM

(57) Abstract

The invention is a refastenable mechanical fastening system, made of free formed prongs joined to a substrate. The prongs taper and are nonperpendicularly oriented relative to the plane of the substrate. The prongs may also have an azimuthal angle relative to the machine direction of the substrate. Each prong has an engaging means projecting laterally from the periphery of the prong. The free formed prongs are manufactured by the process of extruding liquid material through the meshes of a depositing member onto a moving substrate to form the base of the prong, stretching the liquid material in a direction parallel to the plane of the substrate, severing the stretched material to form the distal end and engaging means of the prong. The advantageous usage of the fastening system in an article of manufacture, such as a disposable absorbent article specifically a diaper, is also disclosed.

