



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification <sup>6</sup>:</b><br><b>A61F 13/20, A45D 40/26, A61F 15/00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 98/14157</b><br><b>(43) International Publication Date:</b> 9 April 1998 (09.04.98)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>(21) International Application Number:</b> PCT/US97/17935<br><b>(22) International Filing Date:</b> 3 October 1997 (03.10.97)<br><b>(30) Priority Data:</b><br>08/725,449 4 October 1996 (04.10.96) US<br><b>(71) Applicant:</b> THE PROCTER & GAMBLE COMPANY<br>[US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).<br><b>(72) Inventors:</b> POLLARD, Ricky, Alan; 2098 Ireton Trees Road, Moscow, OH 45153 (US). BERG, Charles, John, Jr.; 208 Hillcrest Drive, Cincinnati, OH 45215 (US).<br><b>(74) Agents:</b> REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US). |           | <b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, 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, KE, LS, MW, SD, SZ, UG, ZW), 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).<br><br><b>Published</b><br><i>With international search report.</i><br><i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> |

(54) Title: A FIBROUS PAD AND A DISPENSING PACKAGE THEREFOR

## (57) Abstract

A fibrous pads package comprises a lightweight dispensing package having a dispensing opening and a plurality of discrete fibrous pads sequentially disposed in the dispensing package in an abutting relationship with each other. Each of the plurality of fibrous pads comprise a cleansing portion and a gripping portion of a predetermined size and shape. Each of the pads may have a transitional portion between the cleansing portion and the gripping portion. The cleansing portion has a cleansing portion thickness ( $T_c$ ) and a cleansing portion flexural rigidity ( $R_c$ ); and the gripping portion has a gripping portion thickness ( $T_g$ ) and a gripping portion flexural rigidity ( $R_g$ ). The cleansing portion thickness ( $T_c$ ) is at least about 10 % greater than the gripping portion thickness ( $T_g$ ), and the cleansing portion flexural rigidity ( $R_c$ ) is at least about 100 % less than the gripping portion flexural rigidity ( $R_g$ ). The gripping portion has a distinct gripping edge. The gripping edges of the plurality of fibrous pads are separable from one another such that the gripping edges may be spaced apart for dispensing. Optionally, the plurality of pads may be compressed within the dispensing package.

