

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A47K 10/40	A1	(11) International Publication Number: WO 99/12462 (43) International Publication Date: 18 March 1999 (18.03.99)
<p>(21) International Application Number: PCT/US98/18349</p> <p>(22) International Filing Date: 4 September 1998 (04.09.98)</p> <p>(30) Priority Data: 60/058,131 8 September 1997 (08.09.97) US 09/137,693 21 August 1998 (21.08.98) US</p> <p>(71) Applicant: KIMBERLY-CLARK WORLDWIDE, INC. [US/US]; 401 North Lake Street, Neenah, WI 54956 (US).</p> <p>(72) Inventor: GEMMELL, Bruce, McLean; 603 Weldin Road, Wilmington, DE 19803 (US).</p> <p>(74) Agents: SIDOR, Karl, V. et al.; Kimberly-Clark Worldwide, Inc., 401 North Lake Street, Neenah, WI 54956 (US).</p>		<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, 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, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>

(54) Title: ADAPTER AND DISPENSER FOR CORELESS ROLLS OF PRODUCTS

(57) Abstract

An adapter (10) for converting a core roll product dispenser into a dispenser for a coreless roll product having a pair of depressions defined in the ends of the coreless roll. The adapter includes: (1) a housing (12) defining a central cavity (14) and an opening (16) at an end (18) of the central cavity (14); (2) a retractable plunger (20) having a distal end (22), a central shaft (24), and a base (26), the retractable plunger (20) being configured so the base (26) and a first portion of the central shaft (24) is retained in the housing (12) and the distal end (22) and a second portion of the central shaft (24) extends through the opening (16) at an end (18) of the central cavity (14) so the plunger (20) is adapted to penetrate a depression defined at an end of a coreless roll product; (3) resilient means (28) in communication with the plunger (20), the resilient means (28) being configured to apply a force against the plunger (20) so the plunger (20) is adapted to retract into the central cavity (14) when a greater opposing force is applied against its distal end during loading and extend when the greater opposing force is removed; and (4) attachment mean (30) for securing the adapter (10) to a core roll product dispenser. Also disclosed is a dispenser for a coreless roll product having a pair of depressions defined in the ends of the coreless roll.

