

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
31 October 2002 (31.10.2002)

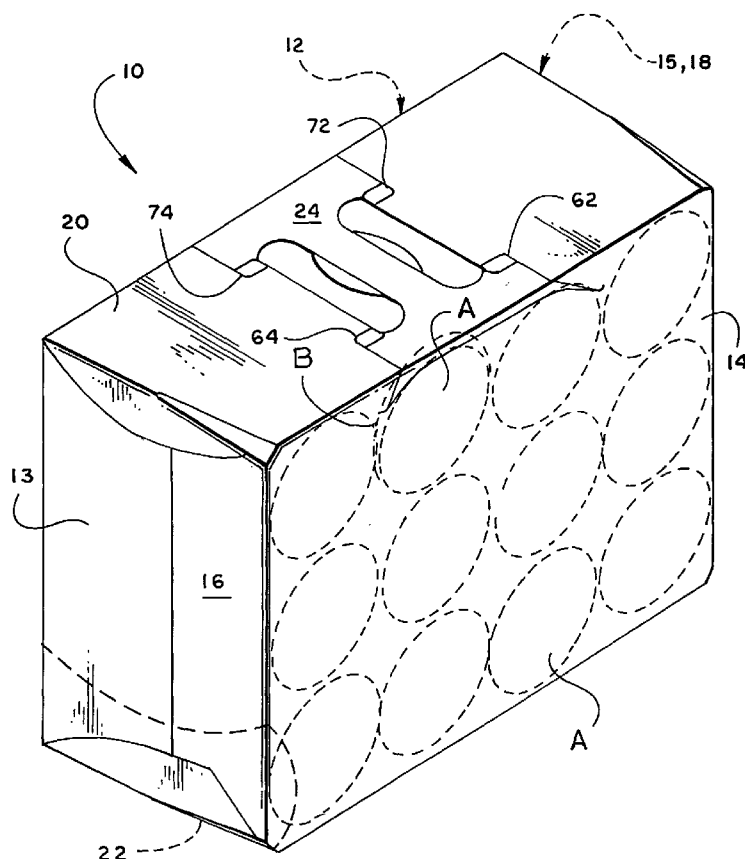
PCT

(10) International Publication Number  
**WO 02/085739 A1**

- (51) International Patent Classification<sup>7</sup>: **B65D 71/00**
- (21) International Application Number: PCT/US01/13199
- (22) International Filing Date: 24 April 2001 (24.04.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant: **THE MEAD CORPORATION** [US/US]; Legal Department, Courthouse Plaza, Northeast, Dayton, OH 30080 (US).
- (72) Inventors: **OLIFF, James, R.**; 530 Greystone Lane, Douglasville, GA 30134 (US). **BATES, Aaron**; 2431 Rachel Court, Marietta, GA 30066 (US). **BAXTER, Ronald, A.**; 9608 Leatherwood Lane, Douglasville, GA 30135 (US). **HOLLEY, John, M, Jr.**; 950 Brentwood Avenue, Lawrenceville, GA 30244 (US).
- (74) Agents: **DREW, Michael, V.** et al.; The Mead Corporation, 4850D North Church Lane, Smyrna, GA 30080 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report

[Continued on next page]

(54) Title: CARTON WITH TRANSVERSE STRAP HANDLE



(57) Abstract: A beverage carton (10) has a center panel (20), a left panel (12) foldably connected to the center panel along a left fold line (32), a right panel (14) foldably connected to the center panel along a right fold line (34), and a strap handle (24) formed from the center, left and right panels. The strap handle extends transversely, instead of longitudinally, across the center panel between the left and right panels to absorb lifting forces in the side panels rather than end panels (13/16, 15/18) of the carton.

WO 02/085739 A1



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*