

01 SEP 2003

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

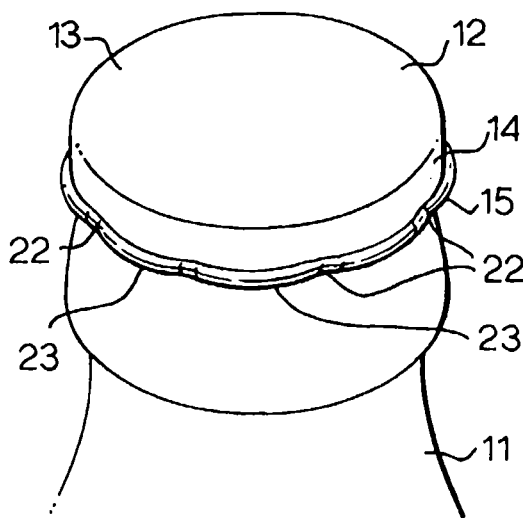
(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
12 September 2002 (12.09.2002)

PCT

(10) International Publication Number
WO 02/070362 A1

- (51) International Patent Classification⁷: **B65D 41/12**
- (21) International Application Number: PCT/EP02/01527
- (22) International Filing Date: 12 February 2002 (12.02.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
01302029.2 6 March 2001 (06.03.2001) EP
- (71) Applicant (for all designated States except LS): **CROWN CORK & SEAL TECHNOLOGIES CORPORATION** [US/US]; 11535 S. Central Avenue, Alsip, IL 60803-2599 (US).
- (71) Applicant (for LS only): **CARNAUDMETALBOX PLC** [GB/GB]; Downview Road, Wantage, Oxfordshire OX12 9BP (GB).
- (72) Inventors: **RAMSEY, Christopher, Paul**; Braeside, Manor Road, Wantage, Oxfordshire OX12 8DP (GB). **HAGLUND, Sylvia, Maria**; 19 Northampton Road, Oxford, Oxfordshire OX1 4TG (GB).
- (74) Agent: **RATLIFF, Ismay, Hilary**; CarnaudMetalbox plc, Downview Road, Wantage, Oxfordshire OX12 9BP (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, 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, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- 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.

(54) Title: CROWN CLOSURE WITH CURLED LOWER EDGE



(57) Abstract: A crown closure (12) having a curled lower edge is described. The curled crown (12) is typically formed from double reduced steel which is 35 % thinner gauge than that used for conventional fluted crowns. The crown is also described in combination with a standard glass bottle. The curl (15) of the crown (12) tucks under the capping bead of the bottle so as to achieve standard pressure requirements. Added benefits of this configuration are not only the concealment of the edge of the closure but also the distinctive appearance of the product.

WO 02/070362 A1



162162



ACTION