

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 April 2006 (27.04.2006)

PCT

(10) International Publication Number
WO 2006/044003 A1

(51) International Patent Classification⁷: **B65D 50/04**

(74) Agent: SMITH, Susan, L.; Owens-Illinois, Inc., One SeaGate, 25-LDP, Toledo, OH 43666 (US).

(21) International Application Number:
PCT/US2005/025057

(22) International Filing Date: 14 July 2005 (14.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/965,553 13 October 2004 (13.10.2004) US

(71) Applicant (for all designated States except US):
OWENS-ILLINOIS CLOSURE INC. [US/US]; One SeaGate, Toledo, OH 43666 (US).

(72) Inventor; and

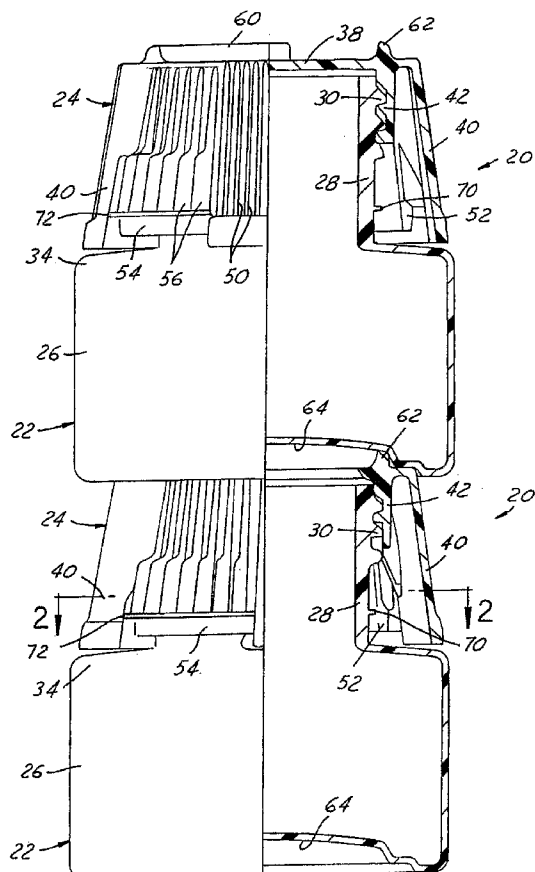
(75) Inventor/Applicant (for US only): **ROBINSON, Philip, J.** [US/US]; 6642 Kingsbridge Drive, Sylvania, OH 43560 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: CHILD-RESISTANT SQUEEZE-AND-TURN CLOSURE AND CONTAINER PACKAGE



(57) Abstract: A child-resistant package includes a container (22) having a finish (28) with at least one external thread (30), at least one axial lug (32) on a shoulder (34) spaced from the thread and an external abutment (70) on the finish adjacent to the lug. A closure (24) of integrally molded plastic construction includes a base wall (38), a peripheral outer wall (40), and an inner wall (42) spaced from the outer wall and having at least one internal thread for securement to the container finish. The outer wall has diametrically opposed gaps (46, 48), and the inner wall extends axially in radial alignment with the gaps for circumferential abutment with the at least one lug on the container. The inner wall is flexible inwardly for clearing the lug between the lug and the external abutment, and for permitting removal of the closure from the container finish. The external abutment (70) preferably is in the form of an external bead that extends circumferentially around the finish in alignment with an edge of the lug.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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.

Published:

- *with international search report*