

Title (en)

BOTTLES OR PACKS PROVIDED WITH POURING SPOUT WITH A CAP ON THE REMOVABLE SEAL OR TOP

Title (de)

AUSGIESSER UND KAPPE AUF DER ABNEHMBAREN VERSCHLUSSMEMBRANE ODER DEM DECKEL

Title (fr)

BOUEILLES OU PACKS EMPILABLES MUNIS D'UN BEC VERSEUR AVEC BOUCHON SUR L'OPERCULE OU COUVERCLE AMOVIBLE

Publication

EP 1144260 B1 20030910 (FR)

Application

EP 00900525 A 20000105

Priority

- FR 0000008 W 20000105
- FR 9900595 A 19990115

Abstract (en)

[origin: US6536622B1] The invention concern the field of storage, transport, recovery and recycling of bottles or packs (2) made of plastic or other material. It provides the possibility of using the content of bottles or packs (2) at will, using the pouring spout (6) and the cap (3) mounted on the tops (1) which are screwed on, clipped on or fixed by other means, and on the standard seals (5) in any material, fixed on the top of bottles or packs before the tops or seals are definitively removed for stacking the bottles or packs (2). The inventive design aims at facilitating the stacking of bottles or packs to reduce storage space and for transport for refill in a reduced space, and, ultimately to facilitate collection for recycling or transformation into raw material. The inventive concept uses for transport supports (10) designed to receive the bases of the bottles or packs (2), the top of the stack receiving plates with the impression of the caps (3) to protect them during transportation of the filled bottles or packs (2). The inventive concept fulfils the need to use the product contained in bottles or packs (2) at the rate desired by the consumer, and at will, since he has the possibility of closing the container with the cap (3) without having to remove the seal (5) or the top (1), and without the product being too uncovered and therefore likely to spill.

IPC 1-7

B65D 1/06

IPC 8 full level

B65D 1/06 (2006.01); **B65D 8/02** (2006.01); **B65D 8/04** (2006.01); **B65D 17/34** (2006.01); **B65D 21/02** (2006.01); **B65D 47/36** (2006.01); **B65D 53/00** (2006.01)

CPC (source: EP US)

B65D 11/04 (2013.01 - EP US); **B65D 21/0233** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6536622 B1 20030325; AT E249365 T1 20030915; AU 3050600 A 20000801; AU 767556 B2 20031113; BR 0007565 A 20020129; CA 2360269 A1 20000720; CN 1109630 C 20030528; CN 1336890 A 20020220; DE 60005136 D1 20031016; DE 60005136 T2 20040708; EA 003045 B1 20021226; EA 200100778 A1 20011224; EP 1144260 A1 20011017; EP 1144260 B1 20030910; ES 2206179 T3 20040516; FR 2788495 A1 20000721; FR 2788495 B1 20010406; JP 2002534335 A 20021015; MX PA01007083 A 20030721; OA 11747 A 20050513; TR 200102055 T2 20011221; WO 0041936 A1 20000720

DOCDB simple family (application)

US 88915101 A 20010712; AT 00900525 T 20000105; AU 3050600 A 20000105; BR 0007565 A 20000105; CA 2360269 A 20000105; CN 00802730 A 20000105; DE 60005136 T 20000105; EA 200100778 A 20000105; EP 00900525 A 20000105; ES 00900525 T 20000105; FR 0000008 W 20000105; FR 9900595 A 19990115; JP 2000593523 A 20000105; MX PA01007083 A 20000105; OA 1200100181 A 20000105; TR 200102055 T 20000105