

Title (en)  
SEALING DEVICE FOR DRINK PACKAGES

Title (de)  
DICHTMITTEL FÜR GETRÄNKEVERPACKUNGEN

Title (fr)  
DISPOSITIF D'ETANCHEITE POUR EMBALLAGES POUR BOISSONS

Publication  
**EP 1341703 A1 20030910 (DE)**

Application  
**EP 01975941 A 20011022**

Priority  
• CH 0100628 W 20011022  
• CH 20542000 A 20001020

Abstract (en)  
[origin: US2004035817A1] The invention relates to a sealing device (3, 30) for sealing off an opening (5) of a plastic drink package. Said sealing device (3, 30) has a flexible collar (10) that is provided with an inward-facing surface (45) that is subject to the internal pressure. The collar (10), in the closed position of the sealing device (30), is functionally linked with a collar rim (11) of the opening (5) to be sealed off and is adapted to exert a pressure (K) thereon that increases in proportion to the internal pressure (P).

IPC 1-7  
**B65D 41/04**; **B65D 43/16**

IPC 8 full level  
**B65D 41/18** (2006.01); **B65D 47/08** (2006.01); **B65D 47/12** (2006.01); **B65D 51/16** (2006.01); **B65D 53/02** (2006.01)

CPC (source: EP US)  
**B65D 41/185** (2013.01 - EP US); **B65D 47/0838** (2013.01 - EP US); **B65D 47/128** (2013.01 - EP US); **B65D 51/1688** (2013.01 - EP US); **B65D 53/02** (2013.01 - EP US); **B65D 2251/04** (2013.01 - EP US); **B65D 2251/205** (2013.01 - EP US); **B65D 2401/05** (2020.05 - EP US); **B65D 2401/20** (2020.05 - 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 TR

DOCDB simple family (publication)  
**WO 0232775 A1 20020425**; AT E296234 T1 20050615; AU 2001295352 B2 20080731; AU 9535201 A 20020429; CA 2430407 A1 20020425; CA 2430407 C 20081230; DE 50106345 D1 20050630; EP 1341703 A1 20030910; EP 1341703 B1 20050525; ES 2244662 T3 20051216; PT 1341703 E 20051031; US 2004035817 A1 20040226

DOCDB simple family (application)  
**CH 0100628 W 20011022**; AT 01975941 T 20011022; AU 2001295352 A 20011022; AU 9535201 A 20011022; CA 2430407 A 20011022; DE 50106345 T 20011022; EP 01975941 A 20011022; ES 01975941 T 20011022; PT 01975941 T 20011022; US 39970203 A 20030421