

Title (en)  
METHOD FOR THE PRESERVATION OF AN OPENED DRINK BOTTLE

Title (de)  
VORRICHTUNG ZUR KONSERVIERUNG EINER ANGEBROCHENEN GETRÄNKEFLASCHE

Title (fr)  
DISPOSITIF DE CONSERVATION D'UNE BOUTEILLE POUR BOISSONS OUVERTE

Publication  
**EP 1204555 A1 20020515 (DE)**

Application  
**EP 00945518 A 20000731**

Priority  
• CH 0000413 W 20000731  
• CH 148599 A 19990816

Abstract (en)  
[origin: WO0112507A1] The device comprises a closure plug (S) for the drink bottle (F). Said plug is provided with an inlet (33, 42) and an inlet valve (34, 43) which is arranged therein and is embodied as a reflux valve that is closed in a rest position. The inventive device also comprises a filling device (E) which is provided with or can be connected to a filling head (H). The closure plug (S) can be coupled to the filling head (H) in a communicating manner. Gas can be inserted into the drink bottle (F) by means of the filling device (E) via the filling head (H) and through the inlet valve (34, 43) of the closure plug (S). The filling head (H) opens the inlet valve (34, 43) when the closure plug (S) is coupled. The closure plug (S) is provided with an outlet (45, 38, 37, 36, 39, 41) and an outlet valve (40) that is arranged therein and is embodied as a reflux valve in the rest position.

IPC 1-7  
**B65B 31/04**

IPC 8 full level  
**B65B 3/18** (2006.01); **B65B 31/04** (2006.01)

CPC (source: EP US)  
**B65B 3/18** (2013.01 - EP US); **B65B 31/047** (2013.01 - EP US); **Y10S 261/07** (2013.01 - EP US)

Citation (search report)  
See references of WO 0112507A1

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)  
**WO 0112507 A1 20010222**; AT E271003 T1 20040715; AU 5961000 A 20010313; AU 756968 B2 20030130; CA 2373776 A1 20010222; CA 2373776 C 20090217; DE 50007085 D1 20040819; EP 1204555 A1 20020515; EP 1204555 B1 20040714; ES 2223544 T3 20050301; HK 1044138 A1 20021011; HK 1044138 B 20041217; JP 2003507266 A 20030225; JP 3780944 B2 20060531; NZ 515774 A 20030131; PT 1204555 E 20041130; US 6530401 B1 20030311

DOCDB simple family (application)  
**CH 0000413 W 20000731**; AT 00945518 T 20000731; AU 5961000 A 20000731; CA 2373776 A 20000731; DE 50007085 T 20000731; EP 00945518 A 20000731; ES 00945518 T 20000731; HK 02104395 A 20020612; JP 2001516816 A 20000731; NZ 51577400 A 20000731; PT 00945518 T 20000731; US 4918402 A 20020208