

Title (en)  
EXPANSION BOTTLE PLUG

Title (de)  
AUSWEITBARER STOPFEN

Title (fr)  
BOUCHON DE BOUTEILLE DILATABLE

Publication  
**EP 1334040 A4 20060913 (EN)**

Application  
**EP 00975286 A 20001031**

Priority  
US 0028866 W 20001031

Abstract (en)  
[origin: WO0236450A1] The bottle plug (1) includes a bottle plug member (2) an elastomer member (3). The bottle plug member (2) consists of a gas-tight means and a reuse-proof means and further inserts into the elastomer member (3) being assembled as a unit to form the bottle plug. When the bottle plug is inserted into a bottle neck (4), the gas-tight means provides an expansion portion to seal the bottle neck and the reuse-proof means provides an appearance and the function of indication whether the bottle neck has previously opened or the bottle plug has been used.

IPC 1-7  
**B65D 39/12**

IPC 8 full level  
**B65D 39/12** (2006.01); **B65D 51/16** (2006.01); **B65D 55/02** (2006.01)

IPC 8 main group level  
**B65D** (2006.01)

CPC (source: EP)  
**B65D 39/12** (2013.01); **B65D 51/1616** (2013.01); **B65D 55/02** (2013.01)

Citation (search report)  

- [X] DE 1914314 A1 19691009 - GIRAUD POVOST & CIE ETS
- [X] DE 1157101 B 19631107 - HEINRICH ROLAND HUCKE
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- [XY] US 3430777 A 19690304 - ESPOSITO VINCENT J JR
- See references of WO 0236450A1

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)  
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