

Title (en)  
PLUG FOR GLASS BOTTLES

Title (de)  
VERSCHLUSS FÜR GLASFLASCHEN

Title (fr)  
BOUCHON POUR BOUTEILLES EN VERRE

Publication  
**EP 2492208 A1 20120829 (EN)**

Application  
**EP 10825271 A 20101018**

Priority  
• RU 2009139233 A 20091023  
• RU 2009139211 A 20091023  
• RU 2010000593 W 20101018

Abstract (en)  
The invention relates to plugs for glass bottles that can be used for automated closure, for long-term preservation of wine and champagne, and for other liquids. The plug for glass bottles includes a cap 1 with a recess 15, a lower portion in the form of a flask 2 with a flange 13, wherein a skirt with fillers (9) is formed on the flask, the plug includes a rod (3) with a working member (14) capable of movement relative to the flask (2), and a given movement of the rod is ensured by guiding members and travel stops (12), and the cap (1) is represented by a portion of the flask; the upper portion of the cap includes a cavity; a button (4) is mounted so as to be fixed or mobile on the upper end of the rod (3); the button (4) closes the cavity of the cap (1); at least one fixation (5) is formed on the outer side of the flask; the walls of the flask (8) in the area where the fixations are provided are capable of deformation, and a pusher (6) and a return cam (7) are formed inside the flask preferably on inner side of the flask; the rod (3) interacts with a fixation (5) via the pusher (6) and the return cam (7). In the case of pressurized beverages, a metal flange (11) is further formed on the cap. The present plug for glass bottles provides a reliable structure, a long-term preservation, and easy and safe initial and repeated closing and unsealing of the bottles.

IPC 8 full level  
**B65D 39/00** (2006.01); **B65D 39/12** (2006.01)

CPC (source: EP US)  
**B65D 39/0064** (2013.01 - EP US); **B65D 39/12** (2013.01 - EP US)

Cited by  
EP3093253A1; CN107848669A; WO2016180908A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2492208 A1 20120829**; **EP 2492208 A4 20130529**; AU 2010308659 A1 20120614; US 2012312770 A1 20121213;  
WO 2011049487 A1 20110428

DOCDB simple family (application)  
**EP 10825271 A 20101018**; AU 2010308659 A 20101018; RU 2010000593 W 20101018; US 201013503590 A 20101018