

Title (en)  
Locking stopper for bottles

Title (de)  
Verschlussstopfen für Flaschen

Title (fr)  
Bouchon de fermeture pour bouteilles

Publication  
**EP 2308767 B1 20120627 (DE)**

Application  
**EP 10013557 A 20101012**

Priority  
DE 102009049012 A 20091012

Abstract (en)  
[origin: EP2308767A1] The stopper (1) has a head (2) formed into the bottle neck engaging a shaft portion (3). The head and shaft part are air-impermeable material. The stopper is extended through channels (6,8) into the head and shaft portion. A passage is formed in two oppositely tapered channels. A constriction (9) is clamped into a permeable material plug (7).

IPC 8 full level  
**B65D 39/04** (2006.01); **B65D 51/16** (2006.01)

CPC (source: EP)  
**B65D 39/04** (2013.01); **B65D 51/1616** (2013.01)

Cited by  
CN103662341A; CN103350819A

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 2308767 A1 20110413; EP 2308767 B1 20120627; EP 2308767 B8 20120801**; DE 102009049012 A1 20110414

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