

Title (en)  
BOTTLE CLOSURE WITH IMPROVED THREAD

Title (de)  
FLASCHENVERSCHLUSS MIT VERBESSERTEM GEWINDE

Title (fr)  
CAPSULE DE BOUCHAGE A VIS AMELIOREE

Publication  
**EP 1638853 A1 20060329 (FR)**

Application  
**EP 04767424 A 20040623**

Priority  
• FR 2004001568 W 20040623  
• FR 0307610 A 20030624

Abstract (en)  
[origin: US2007095782A1] A closure, embodied to cooperate with a neck of a container, the neck, having a wide mouth on the upper part thereof, an external thread and a tapering piece on the lateral wall, for sealing the closure which includes a) an external body having an external head and skirt, b) an insert, enclosed within the body and fixed thereto, including an internal head and skirt, provided with an internal thread, for cooperation with the external thread of the neck and c) a sealing joint, forming an inset piece, fixed to the insert. The joint has a central piece and a border piece. The insert includes a radial compression element, for the sealing joint against the neck, such that when the bottle closure is screwed to the neck, the border is compressed radially between the insert and the neck.

IPC 1-7  
**B65D 41/04**

IPC 8 full level  
**B65D 41/04** (2006.01)

CPC (source: EP US)  
**B65D 41/045** (2013.01 - EP US); **Y10S 215/01** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005000697A1

Cited by  
EP2522591A1; WO2012152404A1; EP2527266A1; EP2527266B1

Designated contracting state (EPC)  
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**US 2007095782 A1 20070503; US 7922018 B2 20110412**; AR 044698 A1 20050921; AT E376963 T1 20071115; BR PI0411848 A 20060829; BR PI0411848 B1 20141029; CA 2528891 A1 20050106; CA 2528891 C 20120306; DE 602004009797 D1 20071213; DE 602004009797 T2 20080828; EP 1638853 A1 20060329; EP 1638853 B1 20071031; ES 2295918 T3 20080416; FR 2856663 A1 20041231; FR 2856663 B1 20050722; MX PA05014093 A 20060302; NZ 544318 A 20090430; PL 1638853 T3 20080530; PT 1638853 E 20080206; RU 2006101857 A 20060610; RU 2340524 C2 20081210; WO 2005000697 A1 20050106; WO 2005000697 B1 20050421; ZA 200600117 B 20070425

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**US 56181804 A 20040623**; AR P040102063 A 20040614; AT 04767424 T 20040623; BR PI0411848 A 20040623; CA 2528891 A 20040623; DE 602004009797 T 20040623; EP 04767424 A 20040623; ES 04767424 T 20040623; FR 0307610 A 20030624; FR 2004001568 W 20040623; MX PA05014093 A 20040623; NZ 54431804 A 20040623; PL 04767424 T 20040623; PT 04767424 T 20040623; RU 2006101857 A 20040623; ZA 200600117 A 20040623