Title (en)
   CLOSURE PLUG

Title (de)
   VERSCHLUSSSTOPFEN

Title (fr)
   BOUCHON DE FERMETURE

Publication
   EP 1467922 B1 20070815 (EN)

Application
   EP 03700871 A 20030115

Priority
   • GB 0300130 W 20030115
   • GB 0226866 A 20021118
   • US 4725202 A 20020117

Abstract (en)
   [origin: WO03062078A1] An externally threaded closure plug (1, 60) for tightly closing off the internally threaded opening (23) in shipping and storage containers such as drums, pails and the like. The plug is formed as a cup having a bottom wall (2) and threaded cylindrical sidewall (23) terminating in a circumferentially enlarged rim (4). Immediately beneath the rim of the plug is a gasket seat (8, 64) defined by the undersurface (4a) of the plug rim, the plug sidewall and an annular gasket retaining lip (9, 61) lying in a plane parallel to the undersurface of the plug rim. In use, the plug is screwed into and out of a container wall opening, having an internally threaded portion (28) and an unthreaded portion (30), the sealing gasket (12) being compressed between the unthreaded opening portion and the plug gasket seat (8, 64, 72) and lying in close proximity to the internal thread. The gasket seat acts to prevent interengagement of the sealing gasket (12) and the opening internally threaded portion (28).

IPC 8 full level
   B65D 39/08 (2006.01)

CPC (source: EP)
   B65D 39/082 (2013.01); **B65D 39/084** (2013.01); B65D 2251/205 (2013.01)

Cited by
   US7810668B2

Designated contracting state (EPC)
   AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
   WO 03062078 A1 20030731; AT E370078 T1 20070915; AU 2003202017 B2 20080214; BR 0306963 A 20041214; BR PI0306963 B1 20150623; CN 100341753 C 20071010; CN 1617820 A 20050518; DE 60315594 D1 20070927; DE 60315594 T2 20080521; DE 60315594 T3 20130131; EP 1467922 A1 20041020; EP 1467922 B1 20070815; EP 1467922 B3 20110831; ES 2292930 T3 20080316; ES 2292930 T7 20120316; JP 2005525271 A 20050825; JP 4475388 B2 20100609; NO 20043428 L 20040817; NO 327273 B1 20090602; PL 200367 B1 20081231; PL 370538 A1 20050530; RU 2004124934 A 20060210; RU 2294870 C2 20070310

DOCDB simple family (application)
   GB 0300130 W 20030115; AT 03700871 T 20030115; AU 2003202017 A 20030115; BR 0306963 A 20030115; CN 03802310 A 20030115; DE 60315594 T 20030115; EP 03700871 A 20030115; ES 03700871 T 20030115; JP 2003561979 A 20030115; NO 20043428 A 20040817; PL 37053803 A 20030115; RU 2004124934 A 20030115