

Title (en)  
Spout fitment closure plug

Title (de)  
Ein Mundstück dichtender Verschlussstopfen

Title (fr)  
Bouchon de fermeture étouyant le bec

Publication  
**EP 0502716 B1 20010725 (EN)**

Application  
**EP 92301866 A 19920304**

Priority  
US 66465891 A 19910305

Abstract (en)  
[origin: EP0502716A2] For tent-type paperboard containers as well as other containers, a fitment (41) is attached surrounding a hole (22) in the container (21). The spout (42) has internal threads (44) and an external flange (47) which seals around the hole (22) and is fixed to the container (21) by thermal means, adhesive or the like. The cap (51) has a top disk (52) from which an externally threaded skirt (54) depends. The exterior of the skirt (54) has gripping ribs (56) to assist in screwing and unscrewing the cap (51). The lower edge (66) of the skirt (54) seals against a sealing membrane (48) on the spout (42). Surrounding the skirt (54) is a tamper-evident band (61) attached to the lower edges of the ribs (56) by frangible bridges (62). The tamper-evident band (61) has locking means (63) engaging complementary locking means (46) on the spout (42). Thus the cap (51) cannot be unscrewed without removing the tamper-evident band (61). By unique design, the spout (42) and cap (51) may be molded in one mold cavity. <IMAGE> <IMAGE>

IPC 1-7  
**B65D 43/04**; **B65D 39/04**; **B65D 39/08**; **B65D 39/16**

IPC 8 full level  
**F16J 13/12** (2006.01); **B65D 5/74** (2006.01); **B65D 39/00** (2006.01); **B65D 39/08** (2006.01); **B65D 47/12** (2006.01); **B65D 47/36** (2006.01)

CPC (source: EP)  
**B65D 39/00** (2013.01); **B65D 39/0023** (2013.01); **B65D 39/0076** (2013.01); **B65D 39/084** (2013.01); **B65D 47/121** (2013.01); **B65D 47/36** (2013.01); **B65D 2401/25** (2020.05); **B65D 2539/003** (2013.01); **B65D 2539/006** (2013.01)

Cited by  
CN1110435C; EP0621848A4; GB2398560A; GB2398560B; GB2396151B; US9051078B2; US8152015B2; US7665637B2; US7628299B2; WO03057584A1; WO9611850A1; WO2004041669A1; WO2014184341A1; US9511907B2

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0502716 A2 19920909**; **EP 0502716 A3 19950830**; **EP 0502716 B1 20010725**; AR 248252 A1 19950712; AT E203483 T1 20010815; AU 1134092 A 19920910; AU 653779 B2 19941013; CA 2062008 A1 19920906; DE 69231954 D1 20010830; IE 920680 A1 19920909; JP H05196141 A 19930806; MX 9200986 A 19920901; WO 9215496 A1 19920917

DOCDB simple family (application)  
**EP 92301866 A 19920304**; AR 32187392 A 19920304; AT 92301866 T 19920304; AU 1134092 A 19920302; CA 2062008 A 19920227; DE 69231954 T 19920304; IE 920680 A 19920303; JP 4888592 A 19920305; MX 9200986 A 19920305; US 9201522 W 19920304