

Title (en)  
METHOD FOR THE PRODUCTION OF STOPPER CAPSULES

Title (de)  
HERSTELLUNGSVERFAHREN FÜR VERSCHLUSSKAPPEN

Title (fr)  
PROCEDE DE FABRICATION DE CAPSULES DE BOUCHAGE

Publication  
**EP 1644257 B1 20090923 (FR)**

Application  
**EP 04767511 A 20040629**

Priority  
• FR 2004001667 W 20040629  
• FR 0308027 A 20030702

Abstract (en)  
[origin: FR2856982A1] The cap has an insert (3) with an inner head (30) and a threaded inner skirt (31). A metallic shell (4) has an outer head and an outer skirt (41). The outer skirt has a cylindrical part (42) of height (H1) and diameter (D1) adapted to a neck (2) to be corked. A radially expanded part (43) of height (H2) and of diameter D2 greater than the diameter D1 forms an annular radial cavity (48). An independent claim is also included for a method of fabricating a crow cap.

IPC 8 full level  
**B65D 41/62** (2006.01); **B21D 51/50** (2006.01); **B65D 41/04** (2006.01); **B65D 41/34** (2006.01); **B65D 49/04** (2006.01)

CPC (source: EP NO US)  
**B21D 51/50** (2013.01 - EP NO US); **B65D 41/0435** (2013.01 - EP NO US); **B65D 41/0485** (2013.01 - EP NO US);  
**B65D 41/0492** (2013.01 - EP NO US); **B65D 41/3428** (2013.01 - EP NO US); **B65D 41/348** (2013.01 - EP NO US);  
**B65D 41/62** (2013.01 - EP NO US); **B65D 49/04** (2013.01 - EP NO US)

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2007138125 A1 20070621; US 7922019 B2 20110412**; AR 044982 A1 20051012; AT E443670 T1 20091015; AU 2004261424 A1 20050210; AU 2004261424 B2 20100121; BR PI0412108 A 20060815; BR PI0412108 B1 20180508; CA 2524781 A1 20050210; CA 2524781 C 20120522; DE 602004023295 D1 20091105; EP 1644257 A2 20060412; EP 1644257 B1 20090923; ES 2334354 T3 20100309; FR 2856982 A1 20050107; FR 2856982 B1 20060428; MX PA05013280 A 20060309; NO 20056244 L 20060202; NO 337832 B1 20160627; NZ 544048 A 20100129; PL 1644257 T3 20100226; WO 2005012126 A2 20050210; WO 2005012126 A3 20050609; ZA 200509848 B 20070328

DOCDB simple family (application)  
**US 56281504 A 20040629**; AR P040102321 A 20040701; AT 04767511 T 20040629; AU 2004261424 A 20040629; BR PI0412108 A 20040629; CA 2524781 A 20040629; DE 602004023295 T 20040629; EP 04767511 A 20040629; ES 04767511 T 20040629; FR 0308027 A 20030702; FR 2004001667 W 20040629; MX PA05013280 A 20040629; NO 20056244 A 20051230; NZ 54404804 A 20040629; PL 04767511 T 20040629; ZA 200509848 A 20040629