

Title (en)  
INTERIOR SAFETY CAPSULES

Title (de)  
EINGEKAPSELTE SICHERHEITSKAPPE

Title (fr)  
CAPSULES INTERIORISEES DE SECURITE

Publication  
**EP 1597155 A2 20051123 (FR)**

Application  
**EP 04715345 A 20040227**

Priority  
• FR 2004000450 W 20040227  
• FR 0302464 A 20030228

Abstract (en)  
[origin: WO2004078597A2] The invention relates to a device for closing single-use packages like bottle or bundle, in particular nestable and recyclable according to known filling modes and inner seal fixation. A sealing capsule can be embodied in the form of several bundle-closing devices whose concept makes it possible to improve storing and hygiene. Said concept is used for a bottle provided with a capsule (1) and a screw centre plug (2). During the use, the inner seal (3) is removed by pulling a tongue (4). The plastic capsule extends by the top edge thereof along the periphery of a flange (5) and is provided with a screw pitch whose height is adapted in such a way that it can receive said plug.

IPC 1-7  
**B65D 1/00**

IPC 8 full level  
**B65D 47/06** (2006.01); **B65D 51/18** (2006.01)

CPC (source: EP US)  
**B65D 47/063** (2013.01 - EP US); **B65D 51/185** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004078597A2

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 RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004078597 A2 20040916**; **WO 2004078597 A3 20050127**; AU 2004218203 A1 20040916; CA 2515241 A1 20040916; CN 1767983 A 20060503; EP 1597155 A2 20051123; JP 2006519147 A 20060824; US 2006261069 A1 20061123

DOCDB simple family (application)  
**FR 2004000450 W 20040227**; AU 2004218203 A 20040227; CA 2515241 A 20040227; CN 200480008401 A 20040227; EP 04715345 A 20040227; JP 2006505679 A 20040227; US 54695305 A 20050825