

Title (en)

CONTAINER CLOSURE WITH SEALING ELEMENT AND PROCESS AND APPARATUS FOR MAKING IT

Title (de)

BEHÄLTERVERSCHLUSS MIT DICHTUNGSELEMENT SOWIE VERFAHREN UND VORRICHTUNG ZU DESSEN HERSTELLUNG

Title (fr)

CAPSULE COMPOSITE POUR LA FERMETURE DE BOUTEILLES ET CONTENANTS SIMILAIRES, PROCEDES DIVERS DE REALISATION POUR CETTE CAPSULE ET DISPOSITIFS DE MISE EN OEUVRE DES PROCEDES

Publication

**EP 1519881 A2 20050406 (EN)**

Application

**EP 03762691 A 20030703**

Priority

- CH 11982002 A 20020708
- EP 0350285 W 20030703

Abstract (en)

[origin: WO2004005151A2] A composite capsule and variants thereof for closing and sealing bottles and similar containers, which is essentially composed of two elements: a rigid capsule (2) and an extensible plastic diaphragm (2), stretched inside the rigid capsule (2) and integral therewith. Various processes for making the composite capsule and variants thereof. Said composite capsule and the variants thereof may be fitted in a single step onto bottles (1) and similar containers, by using conventional sealing apparatuses. The capsule may also have an axial extension in the shape of a drinking-glass (30) whose specific function is supplemented by a tamperproof seal function.

IPC 1-7

**B65D 41/20; B65D 41/22; B65D 41/26; B21D 51/46**

IPC 8 full level

**B21D 51/46** (2006.01); **B65D 41/04** (2006.01); **B65D 41/20** (2006.01); **B65D 41/22** (2006.01); **B65D 41/26** (2006.01)

CPC (source: EP US)

**B21D 51/46** (2013.01 - EP US); **B65D 41/045** (2013.01 - EP US); **B65D 41/0457** (2013.01 - EP US); **B65D 41/20** (2013.01 - EP US);  
**B65D 41/22** (2013.01 - EP US); **B65D 41/26** (2013.01 - EP US)

Citation (search report)

See references of WO 2004005151A2

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 2004005151 A2 20040115; WO 2004005151 A3 20040527**; AU 2003251005 A1 20040123; AU 2003251005 A8 20040123;  
CN 1735539 A 20060215; EP 1519881 A2 20050406; RU 2005103589 A 20060120; RU 2326033 C2 20080610; US 2005269283 A1 20051208

DOCDB simple family (application)

**EP 0350285 W 20030703**; AU 2003251005 A 20030703; CN 03821279 A 20030703; EP 03762691 A 20030703; RU 2005103589 A 20030703;  
US 52829705 A 20050316