

Title (en)

Methods and combinations for sealing corked bottles.

Title (de)

Verfahren sowie Mittel zum Abdichten von gekorkten Flaschen.

Title (fr)

Procédés et moyens pour étancher des bouteilles bouchées.

Publication

**EP 0550026 A1 19930707 (EN)**

Application

**EP 92121964 A 19921223**

Priority

- US 81486391 A 19911230
- US 84223792 A 19920226
- US 89737092 A 19920611

Abstract (en)

A disc (10,30) made of thermoplastic material is inserted into the neck of a corked bottle and placed upon the top of the cork so that when the disc is partially melted, it forms a water resistant seal with the interior surface of the bottle neck and the cork. In forming the seal, the entire disc (10,30) remains inside the bottle neck leaving the exterior of the bottle free from messy or harmful residue. The interior surface of the bottle neck may be straight (12) or beveled (50) at an obtuse angle. If the interior surface of the bottle neck is beveled, a disc with a frusto conical configuration (30) is used in the method. A cover layer can be adhered to the top of the wax disc for ornamentation and labeling purposes. A liquified thermoplastic material (130) is injected into the neck of a corked bottle and placed upon the top of the cork (114) so that when the thermoplastic material hardens, it forms a water resistant seal with the interior surface of the bottle neck and the cork. In forming the seal, the entire thermoplastic material remains inside the bottle neck leaving the exterior of the bottle free from messy or harmful residue. The bottle neck further comprises a groove (124) around the interior surface near the mouth. A cover layer (132) can be snapped into the groove such that it lays on top of the thermoplastic material for ornamentation and labeling purposes and to further secure the cork in place within the bottle neck. <IMAGE>

IPC 1-7

**B67B 5/00; B67B 5/05**

IPC 8 full level

**B65D 39/00** (2006.01); **B67B 5/00** (2006.01); **B67B 5/05** (2006.01)

CPC (source: EP)

**B65D 39/00** (2013.01); **B65D 39/0011** (2013.01); **B65D 39/0058** (2013.01); **B67B 5/00** (2013.01); **B67B 5/05** (2013.01)

Citation (search report)

- [A] FR 1094743 A 19550524
- [A] DE 3500269 A1 19860710 - HUF HANS JOACHIM DR

Cited by

FR3016874A1

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 0550026 A1 19930707; EP 0550026 B1 19950621; EP 0550026 B2 20000301**; AT E124016 T1 19950715; DE 69203086 D1 19950727; DE 69203086 T2 19960111; DE 69203086 T3 20001012; ES 2075584 T3 19951001; ES 2075584 T5 20000801; GR 3017356 T3 19951231

DOCDB simple family (application)

**EP 92121964 A 19921223**; AT 92121964 T 19921223; DE 69203086 T 19921223; ES 92121964 T 19921223; GR 950402471 T 19950913