

Title (en)  
KEEP-FRESH-CLOSURE FOR UNFINISHED CHAMPAGNE BOTTLES

Publication  
**EP 0438647 A3 19920506 (DE)**

Application  
**EP 90121354 A 19901108**

Priority  
• DE 4001663 A 19900122  
• DE 4016592 A 19900523

Abstract (en)  
[origin: US5172821A] In order to keep opened bottles of sparkling wine fresh, a bottle closure device has been created which consists of a stopper which can be easily inserted and which sits without further manipulation in the bottle neck in a sealing manner so as to be axially displaceable. The device is also provided with a bracket retaining device which has upper and lower retaining fingers for holding the stopper and simultaneously engaging underneath the rim of the bottle neck. The stopper also has a gas injection bore with a non-return valve in order to inject freshness-retaining gas pressure.

IPC 1-7  
**B65D 39/00**; **B65D 45/16**; **B65D 51/24**; **B65D 81/20**

IPC 8 full level  
**B65D 39/00** (2006.01); **B65D 45/18** (2006.01); **B65D 51/16** (2006.01)

CPC (source: EP US)  
**B65D 39/0017** (2013.01 - EP US); **B65D 45/18** (2013.01 - EP US); **B65D 51/1644** (2013.01 - EP US); **B65D 2539/003** (2013.01 - EP US)

Citation (search report)  
• [AD] DE 3901711 A1 19890824 - BOCKELMANN WERNER D DR MED [DE]  
• [AD] FR 1098086 A 19550718  
• [A] US 4401226 A 19830830 - BROWN HOMER J [US]  
• [AD] DE 2211152 A1 19730920 - KNOPF K HORST

Cited by  
DE9309929U1; WO2018226125A1

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

DOCDB simple family (publication)  
**US 5172821 A 19921222**; AT E112742 T1 19941015; DE 4016592 C1 19910523; EP 0438647 A2 19910731; EP 0438647 A3 19920506; EP 0438647 B1 19941012

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