

Title (en)

DEVICE FOR FAST CAPPING AND UNCAPPING OF SMALL LIQUID CONTAINERS

Title (de)

SCHNELLVERSCHLUSS FÜR KLEINE FLÜSSIGKEITSBEHÄLTER

Title (fr)

DISPOSITIF DE BOUCHAGE ET DEBOUCHAGE RAPIDE DES PETITS CONTENEURS A LIQUIDES

Publication

**EP 1163162 A1 20011219 (FR)**

Application

**EP 00910906 A 20000309**

Priority

- FR 0000576 W 20000309
- FR 9903262 A 19990312

Abstract (en)

[origin: US6863189B1] The closing device consisting of a sleeve that seals onto the neck of a bottle and that comprises an internal channel which opens, via a new orifice in a sliding-contact surface with associated slopes and slideways acting as guide means to a shut-off plate for closing the new orifice which is moved translationally by a knob, which sliding-contact surface may be planar or in the form of a sector of a cylinder of revolution or in the form of a portion of a sphere.

IPC 1-7

**B65D 47/26**; **B65D 47/28**

IPC 8 full level

**B65D 47/26** (2006.01); **B65D 47/28** (2006.01)

CPC (source: EP US)

**B65D 47/268** (2013.01 - EP US); **B65D 47/286** (2013.01 - EP US)

Citation (search report)

See references of WO 0055064A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 6863189 B1 20050308**; AT E265370 T1 20040515; AU 3294800 A 20001004; CA 2367323 A1 20000921; DE 60010242 D1 20040603; DE 60010242 T2 20050127; DK 1163162 T3 20040816; EP 1163162 A1 20011219; EP 1163162 B1 20040428; ES 2223474 T3 20050301; FR 2790739 A1 20000915; FR 2790739 B1 20010413; PT 1163162 E 20040930; WO 0055064 A1 20000921

DOCDB simple family (application)

**US 93618201 A 20010907**; AT 00910906 T 20000309; AU 3294800 A 20000309; CA 2367323 A 20000309; DE 60010242 T 20000309; DK 00910906 T 20000309; EP 00910906 A 20000309; ES 00910906 T 20000309; FR 0000576 W 20000309; FR 9903262 A 19990312; PT 00910906 T 20000309