

Title (en)

GAS-TIGHT AND LIQUID-TIGHT CLOSURE FOR A CONTAINER

Title (de)

GAS- UND FLÜSSIGKEITSDICHTER VERSCHLUSS FÜR EINEN BEHÄLTER

Title (fr)

OBTURATEUR ETANCHE AUX GAZ ET AUX LIQUIDES, DESTINE A UN RECIPIENT

Publication

EP 1907291 A2 20080409 (DE)

Application

EP 06742339 A 20060513

Priority

- DE 2006000831 W 20060513
- DE 102005030982 A 20050702

Abstract (en)

[origin: WO2007003149A2] The aim of the invention is to create a reversible closure for containers that are impinged upon by an internal pressure. Said aim is achieved by a closure mechanism (200) comprising a moldable, expandable, planarly extending cover (205) which can be brought into at least two operating positions. The cover is configured for opening the container in a first operating position while undercutting the entire circumference of the opening of the container by means of a circumferential edge area (222) in a second operating position such that the undercutting zone (33) forms a sealing area on the cover and the undercut zone forms a complementary sealing area on the container in order to close the opening in a gas-tight and liquid-tight manner. The inventive closure mechanism further comprises an actuatable means (260) for applying a force to the cover so as to mold the cover in such a way that the same can be shaped from one of the two operating positions into the other operating position.

IPC 8 full level

B65D 17/50 (2006.01); **B65D 39/12** (2006.01); **B65D 45/24** (2006.01)

CPC (source: EP US)

B65D 17/506 (2013.01 - EP US); **B65D 39/12** (2013.01 - EP US); **B65D 45/24** (2013.01 - EP US)

Citation (search report)

See references of WO 2007003149A2

Designated contracting state (EPC)

DE FR GB IT NL PL

Designated extension state (EPC)

BA HR MK YU

DOCDB simple family (publication)

DE 102005030982 A1 20070104; EP 1907291 A2 20080409; EP 1907291 B1 20110713; PL 1907291 T3 20111230; RS 51916 B 20120229; US 2008245806 A1 20081009; US 8181809 B2 20120522; WO 2007003149 A2 20070111; WO 2007003149 A3 20070329

DOCDB simple family (application)

DE 102005030982 A 20050702; DE 2006000831 W 20060513; EP 06742339 A 20060513; PL 06742339 T 20060513; RS P20110381 A 20060513; US 99443906 A 20060513