

Title (en)  
CLOSURE WITH ELASTIC HINGE

Title (de)  
VERSCHLUSS MIT ELASTISCHEM SCHARNIER

Title (fr)  
OBTURATEUR AVEC CHARNIERE ELASTIQUE

Publication  
**EP 1799577 A1 20070627 (FR)**

Application  
**EP 05786037 A 20050912**

Priority  
• EP 2005009781 W 20050912  
• FR 0410503 A 20041005

Abstract (en)  
[origin: WO2006037431A1] The invention concerns an articulated structure for connecting a lid (5) to a support (3), which may be fitted on a reservoir or is formed in one single piece with an opening section of the reservoir, comprising a swivel joint for guiding the lid (5) between a closed position and an open position with a swivel axis (S) located on the outside of the lid (5) and/or the support (3), and an elastomer spring part which grips the outside of the lid (5) as well as of the support (3) and is prestressed at least in the closed position of the lid under tension. The invention is characterized in that a point (25, 27) applying the force of the elastomer spring part to the lid (5) and to the support (3) is moved outwards beyond the swivel axis (S) of the swivel joint.

IPC 8 full level  
**B65D 47/08** (2006.01); **B65D 43/16** (2006.01)

CPC (source: EP US)  
**B65D 47/0814** (2013.01 - EP US); **B65D 2251/1008** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006037431A1

Cited by  
US11124336B2; US11040806B2

Designated contracting state (EPC)  
DE ES FR IT

DOCDB simple family (publication)  
**FR 2876085 A1 20060407**; **FR 2876085 B1 20080418**; DE 602005004804 D1 20080327; DE 602005004804 T2 20090305;  
EP 1799577 A1 20070627; EP 1799577 B1 20080213; US 2008203106 A1 20080828; US 8256643 B2 20120904; WO 2006037431 A1 20060413

DOCDB simple family (application)  
**FR 0410503 A 20041005**; DE 602005004804 T 20050912; EP 05786037 A 20050912; EP 2005009781 W 20050912; US 66472005 A 20050912