

Title (en)

CLOSURE WITH A PRESSURE COMPENSATION VALVE FOR A LIQUID CONTAINER

Title (de)

VERSCHLUSS MIT DRUCKAUSGLEICHSVENTIL FÜR EINEN FLÜSSIGKEITSBEHÄLTER

Title (fr)

BOUCHON AVEC SOUPAPE D'EQUILIBRAGE DE PRESSION POUR CONTENANT A LIQUIDE

Publication

EP 0950011 B1 20020403 (DE)

Application

EP 98962196 A 19981030

Priority

- DE 9803179 W 19981030
- DE 19748365 A 19971103

Abstract (en)

[origin: WO9923008A1] The closure has a matching bung plug (10) made of elastic material sealing the filling hole of the liquid container and having a central orifice (18). The valve element (20) of the pressure compensation valve adopts a clearly set closing position and a clearly set pressure compensation position in said central orifice and can be rotated between those two positions which are limited by stops. The bung plug (10) has a lateral pressure compensation duct (42) whose outer mouth is located above the liquid level when the container is filled to the top. In the pressure compensation position, the valve element (20) opens a current path beginning at the inner mouth of the pressure compensation duct (42) on the upper part of the bung plug (10). In the closing position, said path is blocked inside by the valve element, is covered externally and is tightly sealed inwards and outwards.

IPC 1-7

B65D 51/16

IPC 8 full level

B65D 51/16 (2006.01)

CPC (source: EP US)

B65D 51/1683 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE DE FR GB IT NL

DOCDB simple family (publication)

DE 29823387 U1 19990429; AT E215486 T1 20020415; AT E237521 T1 20030515; AU 1748599 A 19990524; AU 1748699 A 19990524; DE 59803615 D1 20020508; DE 59807960 D1 20030522; EP 0950010 A1 19991020; EP 0950010 B1 20030416; EP 0950011 A1 19991020; EP 0950011 B1 20020403; US 6065631 A 20000523; US 6161716 A 20001219; WO 9923008 A1 19990514; WO 9923009 A1 19990514

DOCDB simple family (application)

DE 29823387 U 19981030; AT 98962195 T 19981030; AT 98962196 T 19981030; AU 1748599 A 19981030; AU 1748699 A 19981030; DE 59803615 T 19981030; DE 59807960 T 19981030; DE 9803178 W 19981030; DE 9803179 W 19981030; EP 98962195 A 19981030; EP 98962196 A 19981030; US 34132699 A 19990702; US 34132799 A 19990702