Title (en)

Floating multichamber insert for liquid container

Title (de)

Schwimmfähiger, mehrkammeriger Einsatz für Flüssigkeitsbehälter

Title (fr)

Insert multichambre pour un conteneur à liquide

Publication

EP 1614638 A1 20060111 (DE)

Application

EP 04016274 A 20040709

Priority

EP 04016274 A 20040709

Abstract (en)

The insert is for a pressure-charged fluid container which has a product chamber to hold an additive, and a pressure chamber, with both chambers closed off by a cover (3) which has a sealing arrangement (4,5) which acts upon each side wall (1,2c) of both chambers at an equal distance from each wall end. A distance (a) between a sealing line (5) of the cover on the side wall of the pressure chamber and the end of this wall is greater than a distance (b) between the sealing line (4b) of the cover on the side wall of the product chamber and a line in the region of the upper end of the product chamber side wall upon which the seal does not act. An independent claim is included for a fluid container containing a fluid a floating insert.

IPC 8 full level

B65D 51/28 (2006.01); **B65D 79/00** (2006.01); **B65D 81/32** (2006.01)

CPC (source: EP US)

B65D 81/3222 (2013.01 - EP US)

Citation (search report)

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- [Y] DE 29716262 U1 19971218 - S & R KUNSTSTOFFTECHNIK GMBH [DE]
- [DA] EP 1073593 A1 20010207 - SCHMALBACH LUBECA [DE]
- [A] WO 9530603 A1 19951116 - IMPACT SYSTEMS DBA LTD [GB], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1614638 A1 20060111; AT E380760 T1 20071215; AU 2005261981 A1 20060119; AU 2005261981 B2 20100819; BR PI0513192 A 20080429; CA 2573088 A1 20060119; CA 2573088 C 20121204; CN 1997562 A 20070711; CN 1997562 B 20110810; DE 502005002241 D1 20080124; EP 1765686 A1 20070328; EP 1765686 B1 20071212; ES 2299055 T3 20080516; IL 180315 A0 20070603; IL 180315 A 20110331; JP 2008505032 A 20080221; MX PA06015205 A 20070327; PL 1765686 T3 20080630; RS 50558 B 20100507; RU 2007104932 A 20080820; RU 2370423 C2 20091020; US 2008245801 A1 20081009; US 8469221 B2 20130625; WO 2006005440 A1 20060119; ZA 200700228 B 20081126

DOCDB simple family (application)

EP 04016274 A 20040709; AT 05763327 T 20050628; AU 2005261981 A 20050628; BR PI0513192 A 20050628; CA 2573088 A 20050628; CN 200580022978 A 20050628; DE 502005002241 T 20050628; EP 05763327 A 20050628; EP 2005006955 W 20050628; ES 05763327 T 20050628; IL 18031506 A 20061225; JP 2007519676 A 20050628; MX PA06015205 A 20050628; PL 05763327 T 20050628; RS P20080095 A 20050628; RU 2007104932 A 20050628; US 63200805 A 20050628; ZA 200700228 A 20070108