Title (en)

Shock-resistant and environmentally sealed container with pressure equalization

Title (de)

Stossfester und gegenüber der Umgebung abgedichteter Behälter mit Druckausgleich

Title (fr)

Récipient résistant aux chocs et étanche à l'environnement avec égalisation de pression

Publication

EP 1197437 A2 20020417 (EN)

Application

EP 01308732 A 20011012

Priority

- US 91192801 A 20010723
- US 68900100 A 20001012

Abstract (en)

A shock-resistant and environmentally sealed container with pressure equalization is provided. A latch is pivotally coupled to the container and has an open position and a closed position. An air passageway is provided that permits air to pass between the interior of the container and the surrounding atmosphere. Several different elements are disclosed that are positioned in the air passageway. These elements are designed to cooperate with the latch so that when the latch is in the closed position, the element seals the air passageway and when the latch is in the open position, air is allowed to pass through the air passageway and equalize any air pressure differentials. A latching system for the container may also include a deflectable pin coupled to a first section of the container with a latch coupled to a second section. The latch includes a deflectable pin engaging member. When the deflectable pin engaging member is engaged with the deflectable pin, the deflectable pin absorbs relative movement between the first section and the second section of the container. Another embodiment of the container employs a latch containing a deflectable member. The latch is pivotally coupled to a latch pin that is mounted to either the first section or the second section of the container. The deflectable member is positioned between the latch pin and the latch, and the deflectable member is configured to absorb relative movement between the first section and the second section. <IMAGE>

IPC 1-7

B65D 6/18; B65D 43/16; B65D 45/24; B65D 51/16; B65D 81/18; B65D 81/22

IPC 8 full level

A45C 5/02 (2006.01); **A45C 13/00** (2006.01); **B65D 6/38** (2006.01); **B65D 8/08** (2006.01); **B65D 8/12** (2006.01); **E05B 15/02** (2006.01); **E05B 65/52** (2006.01); E05B 17/00 (2006.01); E05B 65/00 (2006.01); E05C 5/00 (2006.01)

CPC (source: EP US)

A45C 5/02 (2013.01 - EP US); **A45C 13/008** (2013.01 - EP US); **E05B 15/022** (2013.01 - EP US); **E05B 65/52** (2013.01 - EP US); **E05B 65/5276** (2013.01 - EP US); E05B 17/0025 (2013.01 - EP US); E05B 17/0041 (2013.01 - EP US); E05B 65/001 (2013.01 - EP US); E05C 5/00 (2013.01 - EP US)

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FR2849388A1; CN117208407A; US7391340B2; WO2004060745A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1197437 A2 20020417; US 2002043534 A1 20020418

DOCDB simple family (application)

EP 01308732 A 20011012; US 91192801 A 20010723