

Title (en)

Container lid of vacuum valve operation type

Title (de)

Behälterverschluß mit Vakuumventil

Title (fr)

Couvercle pour fermer un récipient sous vide partiel avec soupape

Publication

EP 1780143 A2 20070502 (EN)

Application

EP 06022637 A 20061030

Priority

KR 20050103659 A 20051101

Abstract (en)

A sealed container lid of a vacuum valve operation type is provided, in which an engagement structure of a silicon packing is simple, and a relatively strong sealing force is obtained. A process for engaging or disengaging a lid to a container body may be performed based one-touch method. The sealed contained lid of a vacuum valve operation type comprises a body which is injection-molded and has a circular groove formed in a horizontally and outwardly opened shape for an engagement of the silicon packing, and a downwardly bent peripheral part which is formed at an outer peripheral part of the body based on a double injection method while surrounding the same.

IPC 8 full level

B65D 43/02 (2006.01); **B65D 51/16** (2006.01)

CPC (source: EP KR US)

B65D 31/14 (2013.01 - KR); **B65D 43/0218** (2013.01 - EP US); **B65D 47/24** (2013.01 - KR); **B65D 51/1683** (2013.01 - EP US); **B65D 53/02** (2013.01 - KR); **B65D 81/20** (2013.01 - KR); **B65D 81/2038** (2013.01 - EP US); **B65D 2543/00092** (2013.01 - EP US); **B65D 2543/0024** (2013.01 - EP US); **B65D 2543/00361** (2013.01 - EP US); **B65D 2543/00518** (2013.01 - EP US); **B65D 2543/00537** (2013.01 - EP US); **B65D 2543/00555** (2013.01 - EP US); **B65D 2543/0062** (2013.01 - EP US); **B65D 2543/00629** (2013.01 - EP US); **B65D 2543/00685** (2013.01 - EP US); **B65D 2543/00759** (2013.01 - EP US); **B65D 2543/00796** (2013.01 - EP US)

Cited by

CN101955010A; EP4005947A4; US12006125B2; WO2020143994A1; TWI821490B; WO2021015434A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1780143 A2 20070502; **EP 1780143 A3 20071107**; CN 1966362 A 20070523; JP 2007126214 A 20070524; KR 100648004 B1 20061123; US 2007095849 A1 20070503

DOCDB simple family (application)

EP 06022637 A 20061030; CN 200610168947 A 20061101; JP 2006293501 A 20061030; KR 20050103659 A 20051101; US 58988606 A 20061031