

Title (en)

Overpressure valve for packages.

Title (de)

Überdruckventil für Verpackungsbehälter.

Title (fr)

Valve de surpression pour emballages.

Publication

EP 0499783 B1 19950405 (DE)

Application

EP 92100475 A 19920114

Priority

- DE 4104803 A 19910216
- DE 4129838 A 19910907

Abstract (en)

[origin: JPH05112375A] PURPOSE: To improve reliability of an overpressure valve including a diaphragm to discharge gas from a packed product by designing the valve in such a manner that the diaphragm is adhered to the container wall through a wedge-shaped adhesive layer, and a center area is defined at the front end side of the wedged part to close a discharge hole. CONSTITUTION: Holes 4..., like a needle-stuck hole, are bored at a flat wall 3 of an air-tight bag 2, and an overpressure valve 1 is provided at the holes 4. The overpressure valve 1 is provided with a square-shaped diaphragm 10 made of a transparent and elastic sheet material, and the diaphragm 10 is adhered to the wall 3 through strip-shaped adhesive layers 11, 12. The adhesive layers 11, 12 have two parallel edge areas 13, 14 and a no-adhesive center area 15 placed between them, and the center area 15 covers the holes 4. The adhesive layers 11, 12 are wedge-shaped and a top edge part 18 limits the no-adhesive center area 15. When overpressure occurs, the center area 15 is bent outward to release the pressure.

IPC 1-7

B65D 77/22

IPC 8 full level

B65D 77/22 (2006.01); **B65D 81/26** (2006.01)

CPC (source: EP US)

B65D 77/225 (2013.01 - EP US); **Y10T 137/8158** (2015.04 - EP US)

Cited by

CN102666306A; DE102006016594A1; US7721752B2; WO2011064051A1; WO9614255A1; WO2007113097A1; WO2010091908A1; WO2006034950A1; WO2010091910A1

Designated contracting state (EPC)

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