

Title (en)

Security container.

Title (de)

Sicherheitsbehälter.

Title (fr)

Réceptient de sécurité.

Publication

EP 0046464 A1 19820303 (DE)

Application

EP 80105076 A 19800827

Priority

- EP 80105076 A 19800827
- DE 7923384 U 19790816

Abstract (en)

1. A safety container (1) with flexible compressible container walls, more particularly for the dispensing of easily inflammable materials, the opening of which is closed by a safety closure firmly seated on a container projection, and a removable cover cap (8), the safety closure consisting of a diaphragm controlled conical valve (7) actuated by reduction of the internal volume of the container, a diaphragm (16) of said valve having a centrally disposed opening (17) with a sealing rim through which a valve cone (20) extends and against which the sealing rim engages, and which furthermore has a cylindrical diaphragm carrier formed on a margin thereof, the margin section remote from the diaphragm sealingly engaging the container extension, characterized in that the wall of the diaphragm (16) having the central opening (17) is conically tapered in the direction towards the container interior and is raised up outwardly in the form of a collar (19) and sealingly engages on the valve cone (20), which for its part is arranged on an annular plate fitted resiliently yieldably in the diaphragm carrier (12) and provided with cutouts.

Abstract (de)

Beschrieben ist ein Sicherheitsbehälter zum Ausgeben von leicht entflammaren Flüssigkeiten, der aus flexiblen, komprimierbaren Behälterwänden und einem durch eine Abdeckkappe verschliessbaren Sicherheitsventil besteht, das als membrangesteuertes Kegelventil (7) ausgelegt ist. Die Membran (16) weist eine mittige, durch einen Dichtrand begrenzte Ausnehmung (17) auf, durch die ein Ventilkegel (20) gesteckt ist, an dem der Dichtrand anliegt. Betätigt wird das Kegelventil durch Zusammendrücken der flexiblen Behälterwände und damit Verkleinerung des Innenraumes des Behälters und Erhöhung des Innendruckes.

IPC 1-7

B65D 35/50

IPC 8 full level

B65D 47/20 (2006.01)

CPC (source: EP)

B65D 47/2081 (2013.01)

Citation (search report)

FR 2377338 A1 19780811 - LAAUWE ROBERT H [US]

Cited by

US6095381A; FR3100801A1; EP0419420A1; DE9414330U1; FR2529170A1; CN104203764A; EP2835322A4; DE10303605A1; FR2838108A1; DE29801220U1; FR2769598A1; EP1266840A3; AU2015259267B2; US6213355B1; US6367668B1; WO2015175624A1; WO2013151241A1; US9901728B2; US10398888B2; WO2008048160A1; JP2013154950A

Designated contracting state (EPC)

AT BE CH FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0046464 A1 19820303; EP 0046464 B1 19840523; AT E7588 T1 19840615; DE 7923384 U1 19820708

DOCDB simple family (application)

EP 80105076 A 19800827; AT 80105076 T 19800827; DE 7923384 U 19790816