

Title (en)

FLUID MEDIUM DISPENSING SYSTEM AND A METHOD OF ASSEMBLING A DISPENSING SYSTEM FOR A FLUID MEDIUM

Title (de)

FLÜSSIGMEDIUMABGABESYSTEM UND VERFAHREN ZUR MONTAGE EINES ABGABESYSTEMS FÜR EIN FLÜSSIGMEDIUM

Title (fr)

SYSTÈME DE DISTRIBUTION DE MILIEU FLUIDE ET PROCÉDÉ D'ASSEMBLAGE D'UN SYSTÈME DE DISTRIBUTION POUR UN MILIEU FLUIDE

Publication

EP 3472069 A1 20190424 (EN)

Application

EP 16730801 A 20160615

Priority

EP 2016063692 W 20160615

Abstract (en)

[origin: WO2017215744A1] The present invention provides a fluid medium dispensing system (1) for dispensing a fluid medium stored under pressure. The system (1) comprises a container (30) for storing the fluid medium under pressure, the container (30) comprising a neck (36) defining an opening (32). A valve cup (10) supporting a valve (5) closes the opening (32) of the container (30). The valve cup (10) is secured to the container (30) by an adhesive layer (70) between the valve cup (10) and the neck (36) of the container (30) that thereby seals the container (30). Preferably, the neck (36) of the container (30) and the valve cup (10) define contiguous surfaces (71, 72) respectively between which the adhesive layer (70) is located. Preferably also, the adhesive is a cyanoacrylate adhesive. The invention also provides a method of assembling a BoV dispensing system (1) wherein a bag (100) is secured to the valve (50). In the method the bag (100) is inserted into the container (30) and the valve cup (10) is positioned at the opening (32) of the container (30). The internal volume of the container (30) is then pressurized and an adhesive layer is applied either around the periphery of the valve cup (10) or around the opening (32) of the neck (36) of the container (30). The valve cup (10) is then pressed into the neck (36) of the container (30) and the adhesive layer (70) is allowed to cure to secure the valve cup (10) to the container (30) and to provide a seal.

IPC 8 full level

B65D 83/38 (2006.01)

CPC (source: EP KR US)

B65D 1/0207 (2013.01 - KR); **B65D 77/06** (2013.01 - KR); **B65D 83/38** (2013.01 - EP KR US); **C08L 23/12** (2013.01 - KR); **C08L 33/26** (2013.01 - KR); **C08L 67/02** (2013.01 - KR); **B65D 83/62** (2013.01 - US)

Citation (search report)

See references of WO 2017215744A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017215744 A1 20171221; AR 108483 A1 20180822; BR 112018075470 A2 20190319; EP 3472069 A1 20190424; JP 2019519441 A 20190711; KR 20190008313 A 20190123; RU 2018147035 A 20200715; US 2019161268 A1 20190530

DOCDB simple family (application)

EP 2016063692 W 20160615; AR P170101293 A 20170515; BR 112018075470 A 20160615; EP 16730801 A 20160615; JP 2018565665 A 20160615; KR 20187036028 A 20160615; RU 2018147035 A 20160615; US 201616309195 A 20160615