

Title (en)

FLUID DISPENSING DEVICE ACTUATED BY PRESSURE VARIATIONS IN A MAIN CIRCUIT

Title (de)

DURCH DRUCKSCHWANKUNGEN EINES HAUPTKREISLAUFS BETÄTIGTE FLUIDABGABEVORRICHTUNG

Title (fr)

DISPOSITIF DE DISTRIBUTION D'UN FLUIDE, ACTIONNÉ PAR VARIATIONS DE PRESSION DANS UN CIRCUIT PRINCIPAL

Publication

**EP 3216928 A4 20180801 (EN)**

Application

**EP 15856383 A 20151030**

Priority

- ES 201431618 A 20141104
- ES 2015070783 W 20151030

Abstract (en)

[origin: EP3216928A1] The dispensing device is comprised of a hollow body, divided into a pressurisation chamber and a dispensing chamber using conversion media of the pressure variations into volume variations of the dispensing chamber designed as an elastomer, which has a cavity constituting the actual dispensing chamber, whilst the pressurisation chamber is connected to an inlet tap which has a restriction and ends with an inlet valve and the dispensing chamber to an intermediate section of a secondary circuit which ends at each end in check valves which extend the secondary circuit with a downstream section and an upstream section, the latter being connected to a tank with the product to be dispensed. The closing of the inlet valve leads to a reduction in the volume of the dispensing chamber due to the compression of the elastomer, ejecting the fluid to be dispensed.

IPC 8 full level

**E03D 9/03** (2006.01)

CPC (source: EP US)

**E03D 9/03** (2013.01 - EP US); **E03D 9/035** (2013.01 - EP US); **E03D 9/038** (2013.01 - US)

Citation (search report)

- [X] FR 2498656 A1 19820730 - HYCO AULAS [FR]
- [A] FR 2970487 A1 20120720 - RIZZO JEAN PIERRE [FR], et al
- [A] US 3254797 A 19660607 - PORTER CHARLES R
- [A] FR 1494968 A 19670915
- See references of WO 2016071549A1

Cited by

IL264653A; IL264653B2; WO2020161702A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 3216928 A1 20170913; EP 3216928 A4 20180801**; ES 2573341 A1 20160607; ES 2573341 B1 20170118; US 2017314248 A1 20171102; WO 2016071549 A1 20160512

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