

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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