

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 A1 20170913 (EN)

Application

EP 15856383 A 20151030

Priority

- ES 201431618 A 20141104
- ES 2015070783 W 20151030

Abstract (en)

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)

Cited by

IL264653A; IL264653B2; WO2020161702A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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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EP 15856383 A 20151030; ES 201431618 A 20141104; ES 2015070783 W 20151030; US 201515523096 A 20151030