

Title (en)

DEVICE AND APPARATUS FOR DISPENSING METERED QUANTITIES OF A LIQUID MATERIAL

Title (de)

VORRICHTUNG UND APPARAT ZUR ABGABE DOSIERTER MENGEN EINES FLÜSSIGEN MATERIALS

Title (fr)

DISPOSITIF ET APPAREIL POUR LA DISTRIBUTION DE QUANTITÉS DOSÉES D'UNE MATIÈRE LIQUIDE

Publication

EP 3636918 A1 20200415 (EN)

Application

EP 19202836 A 20191011

Priority

- IT 201800009423 A 20181012
- IT 201800009425 A 20181012

Abstract (en)

The device for dispensing measured quantities of a liquid material comprises a hollow containment body (2), which defines inside thereof a chamber (3) suitable for receiving said liquid material, said containing body (2) having at one end at least one loading opening (8) and at least one discharge opening arranged to allow respectively the insertion of a predefined quantity of said liquid material in said chamber (3) and the dispensing of said predefined quantity of said liquid material. The device also comprises a piston (4), shiftable inside said chamber (3), along a longitudinal direction, which is parallel to a longitudinal axis (A) of said containment body (2). A valve (15) is associated with the containment body (2) and configured to allow said predefined quantity of said liquid material to be inserted in said chamber (3) and to be dispensed from said chamber (3) during respective loading and unloading steps of said liquid material.

IPC 8 full level

F04B 7/00 (2006.01); **F04B 13/00** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP)

F04B 7/0007 (2013.01); **F04B 7/0046** (2013.01); **F04B 13/00** (2013.01); **F04B 15/02** (2013.01)

Citation (applicant)

- EP 2185817 A2 20100519 - PFIZER [US]
- US 6494687 B2 20021217 - LANG ANDREAS [DE], et al
- US 4667709 A 19870526 - FISCHER GEORG [DE], et al

Citation (search report)

- [A] US 4667709 A 19870526 - FISCHER GEORG [DE], et al
- [A] CN 107076138 A 20170818 - KHS CORPOPLAST GMBH
- [A] GB 2552159 A 20180117 - TERENCE KEITH DEANS [GB]
- [A] US 2015139837 A1 20150521 - BAGAGLI RICCARDO [IT], et al
- [A] US 3572130 A 19710323 - GOLDSMITH HERBERT
- [A] EP 0170239 A2 19860205 - KIKKOMAN CORP [JP]

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CN115304017A

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

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