

Title (en)

MOULDED PUMP FOR DISPENSING A FLUID PRODUCT

Title (de)

GEGOSSENE PUMPE FÜR DIE VERTEILUNG EINES FLUIDPRODUKTS

Title (fr)

POMPE MOULÉE POUR LA DISTRIBUTION D'UN PRODUIT FLUIDIQUE

Publication

EP 3417948 B1 20210804 (FR)

Application

EP 18175550 A 20180601

Priority

FR 1755731 A 20170622

Abstract (en)

[origin: US2018369843A1] A pump for dispensing a fluid product, able to be mounted on a container of the flexible tube or rigid flask type, includes a variable-volume metering chamber at least partly defined by a membrane deformable between an initial state in which the volume of the metering chamber is maximum and a deformed state in which the volume of the metering chamber is minimum. The pump also includes a valve for admitting the fluid product to the metering chamber. The pump further includes a valve for discharging the fluid product from the metering chamber. Finally, the pump includes means for opening and closing the admission and discharge valves. Notably, the pump consists of a single molded piece.

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: CN EP US)

B05B 11/0027 (2013.01 - CN); **B05B 11/027** (2023.01 - EP US); **B05B 11/1032** (2023.01 - EP US); **B05B 11/1033** (2023.01 - CN EP US); **B05B 11/1035** (2023.01 - EP US); **B05B 11/1045** (2023.01 - CN); **B05B 11/1052** (2023.01 - EP US); **B05B 11/1069** (2023.01 - EP US); **B05B 11/1097** (2023.01 - EP US); **B05B 11/1059** (2023.01 - EP US)

Cited by

FR3118953A1

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

DOCDB simple family (publication)

EP 3417948 A1 20181226; **EP 3417948 B1 20210804**; BR 102018012895 A2 20190312; BR 102018012895 A8 20221220; CN 109205065 A 20190115; CN 109205065 B 20211008; FR 3067952 A1 20181228; FR 3067952 B1 20201009; US 10525492 B2 20200107; US 2018369843 A1 20181227

DOCDB simple family (application)

EP 18175550 A 20180601; BR 102018012895 A 20180622; CN 201810643186 A 20180621; FR 1755731 A 20170622; US 201816016530 A 20180622