

Title (en)

METHOD FOR MANUFACTURING A DEVICE FOR DISPENSING A PRODUCT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER VORRICHTUNG ZUR ABGABE EINES PRODUKTS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN DISPOSITIF DISTRIBUTEUR DE PRODUIT

Publication

**EP 3877093 A1 20210915 (FR)**

Application

**EP 19786917 A 20191004**

Priority

- FR 1871476 A 20181109
- EP 2019076978 W 20191004

Abstract (en)

[origin: WO2020094304A1] The present invention concerns a method for manufacturing a device (1) for dispensing a product, comprising: providing a device (1) comprising a vessel (3), the vessel being connected to a deformable chamber (45) and being provided with a filling opening (8), the inside of the deformable chamber being delimited at least partially by a movable wall (13), the movement of which results in a variation in the volume of the deformable chamber, a step of filling the deformable chamber (45) through a filling valve (41), a step of filling the vessel (3) with product (16), and a closing step in which the filling opening (8) is closed. The invention can be used, for example, in the pharmaceutical, cosmetic or food-processing industries.

IPC 8 full level

**B05B 11/00** (2006.01); **B65B 3/00** (2006.01)

CPC (source: EP KR US)

**B05B 11/0097** (2013.01 - EP KR); **B05B 11/028** (2023.01 - KR); **B05B 11/1032** (2023.01 - EP KR); **B65B 3/003** (2013.01 - EP KR US);  
**B65B 3/12** (2013.01 - EP KR US); **B65B 3/18** (2013.01 - US); **B05B 11/028** (2023.01 - EP)

Citation (search report)

See references of WO 2020094304A1

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

DOCDB simple family (publication)

**WO 2020094304 A1 20200514**; CN 112996604 A 20210618; CN 112996604 B 20230425; EP 3877093 A1 20210915; FR 3088223 A1 20200515;  
FR 3088223 B1 20210806; JP 2022512828 A 20220207; JP 7494168 B2 20240603; KR 20210089725 A 20210716; US 11919669 B2 20240305;  
US 2021371134 A1 20211202

DOCDB simple family (application)

**EP 2019076978 W 20191004**; CN 201980074113 A 20191004; EP 19786917 A 20191004; FR 1871476 A 20181109;  
JP 2021523036 A 20191004; KR 20217017476 A 20191004; US 201917290831 A 20191004