

Title (en)

ASSEMBLY FOR DISPENSING A FLUID PRODUCT

Title (de)

ANORDNUNG FÜR DIE AUSGABE EINES FLÜSSIGPRODUKTS

Title (fr)

ENSEMBLE DE DISTRIBUTION DE PRODUIT FLUIDE

Publication

EP 3658296 A1 20200603 (FR)

Application

EP 18762359 A 20180719

Priority

- FR 1757067 A 20170725
- FR 2018051845 W 20180719

Abstract (en)

[origin: WO2019020909A1] An assembly for dispensing a fluid product comprising a fluid product reservoir (4), a dispensing component (5) and a dispensing hole (62), the fluid product reservoir (4) comprising a piston (42) that can slidably move in a sealed manner in a slide barrel (41) over a maximum stroke that is defined between a start position corresponding to a substantially full state of the reservoir and an end position corresponding to a substantially empty state of the reservoir, characterised in that it further comprises an RFID label (40) rigidly connected to the piston (42).

IPC 8 full level

B05B 11/00 (2006.01); **A45D 34/00** (2006.01); **B05B 9/08** (2006.01); **B05B 11/04** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP KR US)

A45D 34/00 (2013.01 - EP KR US); **B05B 9/0838** (2013.01 - EP KR); **B05B 11/0035** (2013.01 - KR US); **B05B 11/0038** (2018.07 - US); **B05B 11/0054** (2013.01 - KR US); **B05B 11/02** (2013.01 - US); **B05B 11/028** (2023.01 - EP KR); **B05B 11/048** (2013.01 - EP KR); **B05B 12/004** (2013.01 - US); **A45D 2200/055** (2013.01 - EP KR US); **B05B 11/0035** (2013.01 - EP); **B05B 11/0038** (2018.07 - EP); **B05B 11/0054** (2013.01 - EP); **B05B 11/1032** (2023.01 - EP)

Citation (search report)

See references of WO 2019020909A1

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 2019020909 A1 20190131; CN 111132769 A 20200508; CN 111132769 B 20210907; EP 3658296 A1 20200603; FR 3069465 A1 20190201; FR 3069465 B1 20190809; KR 20200035080 A 20200401; US 11376615 B2 20220705; US 2021354153 A1 20211118

DOCDB simple family (application)

FR 2018051845 W 20180719; CN 201880061157 A 20180719; EP 18762359 A 20180719; FR 1757067 A 20170725; KR 20207005363 A 20180719; US 201816633677 A 20180719