

Title (en)

REFILLABLE FLUID PRODUCT DISPENSER

Title (de)

NACHFÜLLBARER FLÜSSIGPRODUKTSPENDER

Title (fr)

DISTRIBUTEUR DE PRODUIT FLUIDE RECHARGEABLE

Publication

EP 4175759 A1 20230510 (FR)

Application

EP 21748919 A 20210702

Priority

- FR 2007098 A 20200703
- FR 2021051218 W 20210702

Abstract (en)

[origin: WO2022003303A1] Disclosed is a refillable fluid product dispenser comprising: – a fluid product reservoir (R) defining a neck (R2) and a filling port (10); – a dispensing member (P), such as a pump, mounted on the neck (R2) of the fluid product reservoir (R) for extracting the fluid product; – a filling valve (2, 3); – a chamber (C) separating the filling port (10) from the filling valve (2), the dispenser being characterised in that the chamber (C) comprises retention means (4) for retaining the fluid product inside the chamber (C).

IPC 8 full level

B05B 11/00 (2023.01)

CPC (source: EP US)

B05B 11/0039 (2018.07 - US); **B05B 11/0056** (2013.01 - EP US); **B05B 11/1023** (2023.01 - US); **B05B 11/1025** (2023.01 - EP); **B05B 11/0044** (2018.07 - EP)

Citation (search report)

See references of WO 2022003303A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3112127 A1 20220107; **FR 3112127 B1 20221125**; BR 112022027108 A2 20230131; CN 115867391 A 20230328; EP 4175759 A1 20230510; US 2023264216 A1 20230824; WO 2022003303 A1 20220106

DOCDB simple family (application)

FR 2007098 A 20200703; BR 112022027108 A 20210702; CN 202180046985 A 20210702; EP 21748919 A 20210702; FR 2021051218 W 20210702; US 202118014061 A 20210702