

Title (en)

REFILLABLE FLUID PRODUCT DISPENSER

Title (de)

NACHFÜLLBARER FLÜSSIGPRODUKTSPENDER

Title (fr)

DISTRIBUTEUR DE PRODUIT FLUIDE RECHARGEABLE.

Publication

EP 3609623 A1 20200219 (FR)

Application

EP 18732137 A 20180409

Priority

- FR 1753169 A 20170411
- FR 2018050877 W 20180409

Abstract (en)

[origin: WO2018189466A1] The invention relates to a refillable fluid product dispenser comprising: a dispensing head (T) including a fluid product pump (D), such as a pump or a valve, a variable-volume container (R), and a filler valve (7) connected to the container (R), characterised in that it also comprises a variable-volume air pump (30), the volume of which varies inversely with that of the container (R), such as to create a resistance to the variation in the volume of the container (R).

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP US)

B05B 11/0056 (2013.01 - EP US); **B05B 11/029** (2023.01 - EP US); **B05B 11/1023** (2023.01 - US); **B05B 11/10** (2023.01 - EP)

Citation (search report)

See references of WO 2018189466A1

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FR 3064927 A1 20181012; **FR 3064927 B1 20211112**; EP 3609623 A1 20200219; EP 3609623 B1 20210609; ES 2880298 T3 20211124; US 10850292 B2 20201201; US 2020038893 A1 20200206; WO 2018189466 A1 20181018

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FR 1753169 A 20170411; EP 18732137 A 20180409; ES 18732137 T 20180409; FR 2018050877 W 20180409; US 201816604294 A 20180409