

Title (en)

PORTABLE DISPENSER WITH A PLURALITY OF PUMPS AND ROTARY DISPENSING HEAD

Title (de)

TRAGBARER SPENDER MIT EINER VIELZAHL VON PUMPEN UND ROTIERENDEM SPENDERKOPF

Title (fr)

DISTRIBUTEUR PORTATIF À PLUSIEURS POMPES ET À TÊTE DE DISTRIBUTION ROTATIVE

Publication

EP 3762152 B1 20220302 (FR)

Application

EP 19707037 A 20190304

Priority

- FR 1851890 A 20180305
- EP 2019055330 W 20190304

Abstract (en)

[origin: CA3108294A1] The invention relates to a portable dispenser (10) of a plurality of fluid or paste-like products, which includes: a body (12); a dispensing head (22) rotatably guided and translatably stationary relative to the body (12) about a reference axis (100); at least two pumps (16A, 16B, 16C) with nozzles (54A, 54B, 54C); and a kinematic link (24) between the dispensing head (22), and the nozzles of the two pumps, in order to transform the rotation of the dispensing head (22) into a translation without rotation of the pump nozzles (54A, 54B, 54C). The kinematic link (24) includes a push member (82) connected to the body by a sliding link (58, 98), the push member (82) including dispensing ducts (96A, 96B, 96C) for channelling the fluids exiting from the nozzles (54A, 54B, 54C) towards the dispensing opening (66).

IPC 8 full level

B05B 11/00 (2006.01); **A45D 34/00** (2006.01)

CPC (source: EP KR US)

A45D 34/00 (2013.01 - EP US); **A45D 34/04** (2013.01 - KR); **B05B 9/0406** (2013.01 - KR); **B05B 11/028** (2023.01 - KR US); **B05B 11/1015** (2023.01 - EP KR); **B05B 11/1047** (2023.01 - KR); **B05B 11/1052** (2023.01 - EP KR); **B05B 11/1084** (2023.01 - EP KR); **A45D 2200/055** (2013.01 - KR US); **A45D 2200/058** (2013.01 - EP KR); **B05B 9/0406** (2013.01 - EP); **B05B 11/028** (2023.01 - EP); **B05B 11/1015** (2023.01 - US); **B05B 11/1047** (2023.01 - US); **B05B 11/1052** (2023.01 - US)

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)

FR 3078478 A1 20190906; **FR 3078478 B1 20210827**; CA 3108294 A1 20190912; EP 3762152 A1 20210113; EP 3762152 B1 20220302; JP 2021516649 A 20210708; KR 20210016508 A 20210216; US 2020398295 A1 20201224; WO 2019170608 A1 20190912

DOCDB simple family (application)

FR 1851890 A 20180305; CA 3108294 A 20190304; EP 19707037 A 20190304; EP 2019055330 W 20190304; JP 2020546121 A 20190304; KR 20207028252 A 20190304; US 201916978756 A 20190304