

Title (en)
FLUID PRODUCT DISPENSER

Title (de)
FLÜSSIGPRODUKTSPENDER

Title (fr)
DISTRIBUTEUR DE PRODUIT FLUIDE

Publication
EP 3852573 B1 20221102 (FR)

Application
EP 19790646 A 20190916

Priority
• FR 1858441 A 20180918
• FR 2019052149 W 20190916

Abstract (en)
[origin: WO2020058618A1] A dispenser comprising: - a fluid product tank (1), - a dispensing member (2) comprising a body (21) and an actuation rod (22) that is movable through a maximum rod stroke, - a dispensing opening (46), - a rotary actuation member (4), - a transmission member (5) interlocked with the dispensing member (2) and the rotary actuation member (4), - cam means (43; 55) for transforming a rotation of the rotary actuation member (4) into an axial movement of the actuation rod (22) or the body (21), characterised in that: - the cam means (43; 55) define a maximum cam stroke that is greater than the maximum rod stroke, and - elastic means (56) act axially to compensate for and thus allow the exceeding of the maximum cam stroke, so as to ensure that the maximum rod stroke has been fully completed.

IPC 8 full level
A45D 34/04 (2006.01); **B05B 11/00** (2006.01); **B65D 83/20** (2006.01); **B65D 83/38** (2006.01)

CPC (source: EP KR US)
A45D 34/04 (2013.01 - EP KR US); **B05B 11/0038** (2018.08 - KR US); **B05B 11/028** (2023.01 - KR); **B05B 11/1015** (2023.01 - EP KR US); **B05B 11/1052** (2023.01 - EP KR US); **B65D 83/205** (2013.01 - EP KR); **B65D 83/386** (2013.01 - EP KR); **A45D 2200/055** (2013.01 - EP KR US); **A45D 2200/056** (2013.01 - EP KR US); **B05B 11/0038** (2018.08 - EP); **B05B 11/028** (2023.01 - EP 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 3085865 A1 20200320; **FR 3085865 B1 20200925**; CN 112654274 A 20210413; CN 112654274 B 20240412; EP 3852573 A1 20210728; EP 3852573 B1 20221102; KR 20210057168 A 20210520; US 11318489 B2 20220503; US 2022032331 A1 20220203; WO 2020058618 A1 20200326

DOCDB simple family (application)
FR 1858441 A 20180918; CN 201980057002 A 20190916; EP 19790646 A 20190916; FR 2019052149 W 20190916; KR 20217011285 A 20190916; US 201917274934 A 20190916