

Title (en)
AUTOMATIC DISPENSER

Title (de)
AUTOMATISCHER SPENDER

Title (fr)
DISTRIBUTEUR AUTOMATIQUE

Publication
EP 3150757 A1 20170405 (EN)

Application
EP 16190574 A 20160926

Priority
IT UB20154180 A 20151002

Abstract (en)
Device (10) for automatically dispensing at least a solid or fluid substance (S) within a container (C), wherein the device (10) is insertable into the container (C) and extractable from the same, characterized by comprising at least a compartment (12) for containing said substance (S) having a dispensing surface (14) for dispensing the substance (S) outward the compartment (12) into the container (C), at least access means (16) coupled to said dispensing surface (14) able to achieve at least a configuration of total opening in order to allow a dispensing of the substance (S) through the entire dispensing surface (14) and of total closure in order to prevent the dispensing of the substance (S) through the dispensing surface (14), at least an actuator (18) connected to the access means (16) for activating said access means (16), controlling means (20) connected to the actuator (18) and programmable for automatically managing the dispensing of said substance (S) within the container (C), by varying the configurations of said access means (16) and power supply means (22) connected to said controlling means (20) for supplying the device (10), wherein said device (10) is movable with respect to the container (C) and the dispensing of the substance (S) within the container (C) occurs based on the relative movement of the device (10) with respect to the container (C).

IPC 8 full level
D06F 39/02 (2006.01); **A47L 15/44** (2006.01)

CPC (source: CN EP US)
D06F 39/02 (2013.01 - CN EP US); **D06F 39/028** (2013.01 - CN); **D06F 39/024** (2013.01 - CN EP US)

Citation (search report)

- [XAI] US 2003182732 A1 20031002 - DAVENET DOROTHEE HELENE [CH], et al
- [XAI] US 2011180118 A1 20110728 - SCHROTT HARALD [DE]
- [A] CA 2006870 A1 19900630 - BUSCH PETER [DE]

Cited by
DE102017218196A1; EP3701078A1; DE102016225828A1; US2021032793A1; DE102016225833A1; DE102017218196B4; US11261558B2; US10955823B2; WO2022218180A1; WO2019081014A1; US11812912B2

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)
EP 3150757 A1 20170405; EP 3150757 B1 20180307; CN 106996015 A 20170801; CN 106996015 B 20200915; ES 2672620 T3 20180615; IT UB20154180 A1 20170402; RU 2016138737 A 20180402; RU 2016138737 A3 20190927; RU 2705144 C2 20191105; TR 201807816 T4 20180621

DOCDB simple family (application)
EP 16190574 A 20160926; CN 201610878940 A 20161008; ES 16190574 T 20160926; IT UB20154180 A 20151002; RU 2016138737 A 20160930; TR 201807816 T 20160926