

Title (en)
FLUID PRODUCT DISPENSER

Title (de)
FLÜSSIGPRODUKTSPENDER

Title (fr)
DISTRIBUTEUR DE PRODUIT FLUIDE

Publication
EP 2608894 B1 20151007 (FR)

Application
EP 11761659 A 20110823

Priority
• FR 1056775 A 20100826
• FR 2011051949 W 20110823

Abstract (en)
[origin: WO2012025692A1] The invention relates to a fluid product dispenser including a fluid product tank (1) and a dispensing member (2). The tank (1) comprises a cylindrical sliding barrel (11) and a follower plunger (14) including at least one lip (16) in sliding contact with the barrel (11). The sliding barrel (11) is provided with a base (12), and an equalizing space (E) is formed between the follower plunger (14) and the base (12), said space (E) being in communication with the outside in order for the space (E) to be kept at atmospheric pressure, such that the outside air penetrates said space (E) which increases in size as the follower plunger (14) moves away from the base (12) after each dispensing of fluid product. The invention is characterized in that a bacterial filter (F1) filters the outside air that comes into contact with the lip (16) of the follower plunger (14) through the equalizing space (E).

IPC 8 full level
B05B 11/00 (2006.01); **B65D 47/20** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP US)
B05B 11/00444 (2018.07 - EP US); **B05B 11/00446** (2018.07 - EP US); **B05B 11/028** (2023.01 - EP US); **B65D 47/2081** (2013.01 - EP US); **B65D 83/0033** (2013.01 - EP US); **B05B 11/007** (2013.01 - EP US); **B05B 11/1032** (2023.01 - EP US); **B05B 11/1047** (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)
WO 2012025692 A1 20120301; BR 112013004547 A2 20160906; CN 103140296 A 20130605; CN 103140296 B 20160323; EP 2608894 A1 20130703; EP 2608894 B1 20151007; ES 2556778 T3 20160120; FR 2964089 A1 20120302; FR 2964089 B1 20140110; US 2013193166 A1 20130801; US 9149823 B2 20151006

DOCDB simple family (application)
FR 2011051949 W 20110823; BR 112013004547 A 20110823; CN 201180041284 A 20110823; EP 11761659 A 20110823; ES 11761659 T 20110823; FR 1056775 A 20100826; US 201113816993 A 20110823