

Title (en)

METHOD AND DEVICE FOR PACKAGING A FLUID PRODUCT DISPENSER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERPACKUNG EINES FLÜSSIGPRODUKTSPENDERS

Title (fr)

PROCEDE ET DISPOSITIF DE CONDITIONNEMENT DE DISTRIBUTEUR DE PRODUIT FLUIDE

Publication

EP 2170527 B1 20101222 (FR)

Application

EP 08805716 A 20080428

Priority

- FR 2008050762 W 20080428
- FR 0755876 A 20070620

Abstract (en)

[origin: WO2008155494A1] The invention relates to a method for packaging a fluid product dispenser including a container (1) having a constant effective volume, which is filled with a fluid product (10), and a dispensing device (3) comprising a dip tube (2) intended to remove the fluid product (10) from the container upon actuation of the dispensing device (3), said container (1) and dip tube (2) being made from one or more substantially or completely transparent materials. The dip tube, which initially contains air (A), is connected to the dispensing device and includes a free end which extends to the base of the container. The method is characterised in that the air (A) is discharged from the dip tube (2) and replaced with the fluid product.

IPC 8 full level

B05B 11/00 (2006.01); **B65B 31/00** (2006.01); **B05B 15/00** (2006.01)

CPC (source: EP US)

B05B 11/0097 (2013.01 - EP US); **B65B 31/003** (2013.01 - EP US); **B05B 11/1047** (2023.01 - EP US); **B05B 11/1049** (2023.01 - EP US); **B05B 11/1061** (2023.01 - EP US); **B05B 15/30** (2018.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2917650 A1 20081226; FR 2917650 B1 20110318; AT E492351 T1 20110115; DE 602008004156 D1 20110203; EP 2170527 A1 20100407; EP 2170527 B1 20101222; EP 2170527 B2 20141203; ES 2356700 T3 20110412; ES 2356700 T5 20150227; US 2010199606 A1 20100812; US 8646245 B2 20140211; WO 2008155494 A1 20081224

DOCDB simple family (application)

FR 0755876 A 20070620; AT 08805716 T 20080428; DE 602008004156 T 20080428; EP 08805716 A 20080428; ES 08805716 T 20080428; FR 2008050762 W 20080428; US 59867508 A 20080428