

Title (en)

DISPENSING HEAD FOR A FLUID AND DISPENSER COMPRISING SUCH A DISPENSING HEAD

Title (de)

AUSGABEVORRICHTUNG ZUR AUSGABE EINES FLUIDS UND SPENDER MIT DIESER AUSGABEVORRICHTUNG

Title (fr)

ORGANE DE DISTRIBUTION DE PRODUIT FLUIDE ET DISPOSITIF DE DISTRIBUTION DE PRODUIT FLUIDE COMPORTANT UN TEL ORGANE.

Publication

**EP 2539078 B1 20131225 (FR)**

Application

**EP 11712613 A 20110222**

Priority

- FR 1051312 A 20100224
- FR 2011050360 W 20110222

Abstract (en)

[origin: WO2011104470A1] The invention relates to a unit for dispensing a fluid product (10), comprising a body (11) and manually actuated dispensing means (20) which can be moved in said body (11) between a rest position and a dispensing position, said distribution means (20) being resiliently biased towards the rest position thereof by a resilient unit (100), said resilient unit (100) comprising a plurality of resilient cells (C) arranged in parallel about a longitudinal axis (X) of said resilient unit (100), forming a resilient level (N), and said resilient unit (100) comprises a plurality of resilience levels (... , N-1, N, N+1,...) vertically stacked along said longitudinal axis (X), characterized in that a resilience level (N) comprises an upper corrugated ring (110) having multiple corrugations and a lower corrugated ring (120) having multiple corrugations, arranged with respect to each other in such a manner that said upper and lower corrugated rings (110, 120) are in contact at several contact points (P) distributed about said longitudinal axis (X), a resilient cell (C) being defined between two contact points (P) adjacent to said resilience level (N), said resilient unit being produced, in particular by injection, from a synthetic material, such as polyoxymethylene (POM).

IPC 8 full level

**B05B 11/00** (2006.01); **B65D 83/48** (2006.01)

CPC (source: EP US)

**B05B 11/1018** (2023.01 - EP US); **B05B 11/1077** (2023.01 - EP US); **B65D 83/48** (2013.01 - 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 2956649 A1 20110826**; **FR 2956649 B1 20120803**; BR 112012021381 A2 20180116; CN 102858467 A 20130102; EP 2539078 A1 20130102; EP 2539078 B1 20131225; JP 2013520308 A 20130606; US 2012325861 A1 20121227; WO 2011104470 A1 20110901

DOCDB simple family (application)

**FR 1051312 A 20100224**; BR 112012021381 A 20110222; CN 201180010873 A 20110222; EP 11712613 A 20110222; FR 2011050360 W 20110222; JP 2012554397 A 20110222; US 201113580915 A 20110222