

Title (en)

Fillable vial for dispensing a fluid product

Title (de)

Auffüllbares Sprühfläschchen für Flüssigprodukt

Title (fr)

Flacon remplissable de distribution d un produit fluide

Publication

EP 2708286 B1 20160727 (FR)

Application

EP 13183437 A 20130906

Priority

FR 1258604 A 20120913

Abstract (en)

[origin: EP2708286A1] The bottle has a valve (7) for refilling a container arranged to enable a product source to be placed in communication with the container to refill the container. The valve includes a communication passage between the source and the container. The passage includes a seat with a valve element (13) that is movable relative to the seat between sealed closing position and opening position of the passage. The element is movable between the closing and opening positions under gravity effect caused by positioning of the bottle in upright position and in overturned position, respectively. An independent claim is also included for a refillable bottle assembly.

IPC 8 full level

A45D 34/00 (2006.01); **B05B 11/00** (2006.01); **B65B 3/06** (2006.01); **B65B 3/00** (2006.01)

CPC (source: EP US)

A45D 34/00 (2013.01 - EP US); **B05B 11/0056** (2013.01 - EP US); **B65B 3/06** (2013.01 - EP US); **B67C 3/28** (2013.01 - US); **A45D 2200/057** (2013.01 - EP US); **B65B 3/003** (2013.01 - EP US)

Cited by

EP3002064A1; EP3002063A1; FR3026393A1; FR3026392A1; US9637253B2; US9878811B2; EP2719466B1; EP2719467B1

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)

EP 2708286 A1 20140319; **EP 2708286 B1 20160727**; BR 102013023373 A2 20141230; CN 103662440 A 20140326; CN 103662440 B 20171020; ES 2588591 T3 20161103; FR 2995290 A1 20140314; FR 2995290 B1 20140926; US 2014069551 A1 20140313; US 9663341 B2 20170530

DOCDB simple family (application)

EP 13183437 A 20130906; BR 102013023373 A 20130912; CN 201310498642 A 20130913; ES 13183437 T 20130906; FR 1258604 A 20120913; US 201314026712 A 20130913