Title (en)

Device for storing and metering a solution

Title (de)

Vorrichtung zum Lagern und Dosieren eines Lösungsmittels

Title (fr)

Dispositif de stockage et de dosage d'un solvant

Publication

EP 2371342 A1 20111005 (DE)

Application

EP 10003658 A 20100401

Priority

EP 10003658 A 20100401

Abstract (en)

The device (100) has a container (104) with an interior space filled with a fixed amount of solvent (105). A mounting device (103) mounts the container on a vessel (101), which has another interior space into which the solvent from the container is dosed. An opening unit (107) opens the container, so that continuous connection for the solvent is produced from the former interior space of the container to the latter interior space of the vessel. The container contains the fixed amount of the solvent and a gas bubble, and the mounting mechanism is made of an elastic stopper with an opening. An independent claim is also included for a kit for a diagnostic test method.

Abstract (de)

Die vorliegende Erfindung betrifft eine Vorrichtung (100,200,300,500,600,700,800) zum Lagern und/oder Dosieren eines Lösungsmittels zum Lösen einer Substanz, die in flüssiger Form eingesetzt werden soll. Die Vorrichtung umfasst einen Behälter (104,204,304,504,604,704,804), eine Anbringeinrichtung (103,203,303,503,603,703,803) zum Anbringen des Behälters auf ein Gefäß (101,201,301,501,601,701,801), bevorzugt ein Reagenzgefäß aus dem Laborbereich, sowie ein Mittel (107,207,307,507,807) zum Öffnen des Behälters.

IPC 8 full level

A61J 1/20 (2006.01)

CPC (source: EP US)

A61J 1/2089 (2013.01 - EP US); A61J 1/1406 (2013.01 - EP US); A61J 1/201 (2015.05 - EP US); A61J 1/2013 (2015.05 - EP US); B65D 23/04 (2013.01 - US); B65D 81/3205 (2013.01 - US)

Citation (applicant)

- DE 10011502 A1 20010920 - LANGE GMBH DR BRUNO [DE]
- WO 02102295 A2 20021227 - ELAN PHARMA INT LTD [IE], et al
- WO 2007020239 A1 20070222 - BOEHRINGER INGELHEIM INT [DE], et al

Citation (search report)

- [X] WO 9815314 A1 19980416 - ETEX CORP [US]
- [X] US 3490437 A 19700120 - BAKONDY THOMAS T, et al
- [X] US 4031895 A 19770628 - PORTER ROBERT E
- [X] US 2006184103 A1 20060817 - PAPROSKI JOHN [US], et al

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2371342 A1 20111005; EP 2371343 A2 20111005; EP 2371343 A3 20111207; EP 2371343 B1 20151202; JP 2011212442 A 20111027; JP 5924868 B2 20160525; US 2011240172 A1 20111006; US 8839826 B2 20140923

DOCDB simple family (application)

EP 10003658 A 20100401; EP 11158175 A 20110315; JP 2011070562 A 20110328; US 201113073303 A 20110328