

Title (en)

Metering device for liquids and method for metering liquids

Title (de)

Dosiervorrichtung für Flüssigkeiten und Verfahren zum Dosieren von Flüssigkeiten

Title (fr)

Dispositif de dosage pour liquides et procédé de dosage de liquides

Publication

EP 2319623 B1 20140305 (DE)

Application

EP 10013402 A 20101007

Priority

- DE 102009051654 A 20091030
- US 26188409 P 20091117

Abstract (en)

[origin: EP2319623A2] The metering device comprises a base body (2) and a pipette tip (6) with its upper opening in a sealing connection with a through opening (15) at the base body. The displacement equipment (12) is arranged in the base body, where a displacement chamber (13) is arranged in a displacement device (14). A syringe piston is displaced to a syringe cylinder, where a coupling unit is connected with the syringe piston in the base body. An independent claim is also included for a method for dosing of liquids.

IPC 8 full level

B01L 3/02 (2006.01)

CPC (source: EP US)

B01L 3/0217 (2013.01 - EP US); **B01L 3/0237** (2013.01 - EP US); **B01L 3/0279** (2013.01 - EP US); **B01L 3/0227** (2013.01 - EP US); **B01L 2200/04** (2013.01 - EP US); **B01L 2200/087** (2013.01 - EP US); **B01L 2300/0663** (2013.01 - EP US)

Cited by

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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 2319623 A2 20110511; **EP 2319623 A3 20121212**; **EP 2319623 B1 20140305**; CN 102116654 A 20110706; CN 102116654 B 20141001; DE 102009051654 A1 20110505; DE 102009051654 B4 20130103; JP 2011121047 A 20110623; JP 5509033 B2 20140604; US 2011181272 A1 20110728; US 8570029 B2 20131029

DOCDB simple family (application)

EP 10013402 A 20101007; CN 201010529784 A 20101029; DE 102009051654 A 20091030; JP 2010243511 A 20101029; US 91458110 A 20101028