

Title (en)

Pipette device with throttle position in the pipette channel

Title (de)

Pipettiervorrichtung mit Drosselstelle im Pipettierkanal

Title (fr)

Dispositif de pipetage doté d'un poste d'étranglement dans le canal de pipetage

Publication

**EP 2412439 B1 20200304 (DE)**

Application

**EP 11172869 A 20110706**

Priority

DE 102010038414 A 20100726

Abstract (en)

[origin: EP2412439A1] The device (10) has a pipette duct (12) whose throttle point (42) is arranged fluid-mechanically between a metering liquid receptacle (38) and a pressure change device (40). The point is being dimensioned in such a way that ratio of flow resistance (R1) of a pipette opening (36) for dispensed metering liquid to flow resistance (R2) of the throttle point for working fluid is less than 0.5. Flow resistances of respective tapering of cross-section of flow are being calculated under consideration of product of viscosity of the working fluid and the metering liquid.

IPC 8 full level

**B01L 3/02** (2006.01)

CPC (source: EP US)

**B01L 3/021** (2013.01 - EP US); **B01L 2200/14** (2013.01 - EP US); **B01L 2200/148** (2013.01 - EP US); **B01L 2300/14** (2013.01 - EP US); **B01L 2400/0487** (2013.01 - EP US); **B01L 2400/06** (2013.01 - EP US)

Cited by

EP3838411A1; EP3485974A1; WO2019096993A1; EP3485974B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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