

Title (en)  
Pipette.

Title (de)  
Pipette.

Title (fr)  
Pipette.

Publication  
**EP 0348612 A2 19900103 (EN)**

Application  
**EP 89106634 A 19890413**

Priority  
PL 27184588 A 19880415

Abstract (en)  
The present invention solves the problem of working out a design of a plain pipette which serves for drawing in, pipetting and dispensing the fluid of a strictly specified volume and which is characterized by a high repeatability of results. The said pipette consists of a round casing /1/ being simultaneously a handle thereof, whereof, via a round nut /2/, there is fitted a multi-step shank /3/. Inside the body of casing /1/, there is a plunger /4/, being in the form of a multi-step rod, which is being displaced downwards with the aid of a press means /16/ and of a round arbor /15/, contrary to the force being exerted by a lift-up spring /13/ which makes plunger /4/ return to its initial position. Furthermore, inside the body of casing /1/, centrally in the symmetry axis of the pipette, directly under press means /16/, there is a calibration unit comprising a multi-step calibration sleeve /19/, which is blocked from the top by a hold-down element /24/, being screwed into the body of casing /1/, inside whereof there freely slides an arbor /15/ being connected to press means /16/. The end of arbor /15/ is placed inside an elongated sleeve being a push rod /14/, which from the top rests with its flange upon the face of a stop /20/ being screwed into the internal thread of calibration sleeve /19/. From the top, upon the flange of push rod /14/, the pressure is being simultaneously exerted by a blow-out mechanism spring /22/, which from the top rests upon a washer /18/ being blocked by a ring /17/. The lower part of push rod /14/ gets in contact with a plunger's flange /10/, whereas between plunger's flange /10/ and the end of arbor /15/ there is a narrow slot /23/.

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**B01L 3/02**

IPC 8 full level  
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**B01L 3/0217** (2013.01)

Cited by  
CN112206842A; EP1136127A3; CN112206843A; US6627160B2; WO2005044452A1; WO9315837A1; WO9112077A1

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