

Title (en)
Repeater pipette

Title (de)
Repetierpipette

Title (fr)
Pipette de distribution à répétition

Publication
EP 0704242 A2 19960403 (DE)

Application
EP 95115180 A 19950927

Priority
DE 9415847 U 19940930

Abstract (en)
Toothed rack (21) can be coupled to the pipette plunger and includes a retraction lever (16), while a catch (22) elastically pressed against the rack can be moved repeatedly through a distance defined by a stop (19) by an actuating member (15) biased towards its initial position by a return spring (26). A control part (24) comprising a rotatable sleeve with steps (30) at the base covering the rack allows the catch to engage the rack only during part of its travel path. An adjustment part (27) allows the control member to be located in one of several positions. At the top of the sleeve are limit stops (40) corresp. to the steps at the base which define the plunger upward travel to a whole number multiple of the plunger step length plus a safety allowance where necessary.

Abstract (de)
Bei einer Repetierpipette erfolgt die Schrittsteuerung durch ein Eingriffssteuerelement (24) zwischen einer am Pipettenkolben angeordneten Zahnstange (21) und einer Klinke (22), wobei das Eingriffssteuerelement eine axial festgelegte Drehhülse mit in Umfangsrichtung treppenartig axial abgestuftem unterem Ende ist, die am Umfang ihres oberen Bereichs eine der Anzahl der unteren axialen Abstufungen entsprechende Anzahl von Begrenzungsanschlüssen (40) für das obere Zahnstangenende aufweist. <IMAGE>

IPC 1-7
B01L 3/02

IPC 8 full level
B01L 3/02 (2006.01); **G01F 11/06** (2006.01)

CPC (source: EP US)
B01L 3/0234 (2013.01 - EP US)

Citation (applicant)
• DE 2926691 A1 19810611 - EPPENDORF GERAETEBAU NETHELER [DE]
• DE 3216644 A1 19831110 - NICHIRYO CO [JP]

Cited by
US6997067B2; US6994828B2; US6959616B2; US7264779B2; US9352311B2; WO2013117774A1

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