

Title (en)

Apparatus for drawing liquids into and expelling liquids from a pipet at variable flow rates

Title (de)

Vorrichtung zum Aufsaugen und Ausschenken von Flüssigkeiten in einer Pipette mit variablen Fließgeschwindigkeiten

Title (fr)

Appareil d'aspiration et de décharge de liquides d'une pipette à débits variables

Publication

**EP 0904840 A3 20000119 (EN)**

Application

**EP 98307455 A 19980915**

Priority

US 6048597 P 19970930

Abstract (en)

[origin: EP0904840A2] A pipet gun for drawing liquids into and dispensing liquids from a pipet which includes a variable flow valve assembly. The valve assembly includes a valve which is capable of accommodating a plurality of flow rates, and which is progressively adjustable during pipetting between a first air flow rate and a second air flow rate which is in excess of the first flow rate and which is non-progressively adjustable during pipetting to a third air flow rate which is substantially greater than the second air flow rate. The valve assembly further includes a threshold detector in the form of a spring detent, which provides an indication to the operator that the pipet gun is operating at the increased fluid rate, i.e., the "express mode" of operation. <IMAGE>

IPC 1-7

**B01L 3/02**

IPC 8 full level

**G01N 1/00** (2006.01); **B01L 3/02** (2006.01)

CPC (source: EP)

**B01L 3/021** (2013.01); **B01L 3/0213** (2013.01)

Citation (search report)

- [ADXA] US 5294405 A 19940315 - KENNEY JAMES W [US]
- [DA] US 3963061 A 19760615 - KENNEY JAMES W
- [A] US 3719087 A 19730306 - THIERS R

Cited by

EP1279437A3; US6758106B2

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**EP 0904840 A2 19990331**; **EP 0904840 A3 20000119**; JP H11165080 A 19990622

DOCDB simple family (application)

**EP 98307455 A 19980915**; JP 27864498 A 19980930