

Title (en)

IMPROVED BATTERY POWERED MICROPROCESSOR CONTROLLED HAND PORTABLE ELECTRONIC PIPETTE

Title (de)

MANUELL TRAGBARE ELEKTRONISCHE PIPETTE MIT VERBESSERTEM BATTERIE-BETRIEBENEN MIKROPROZESSOR

Title (fr)

PIPETTE ELECTRONIQUE PORTABLE AMELIOREE COMMANDEE PAR UN MICROPROCESSEUR ALIMENTE PAR UNE BATTERIE

Publication

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Application

EP 00916122 A 20000303

Priority

- US 0005873 W 20000303
- US 26313299 A 19990305
- US 26438999 A 19990308

Abstract (en)

[origin: WO0051738A1] A battery powered, microprocessor controlled portable electronic pipette (10), comprising a hand holdable housing supporting a battery (16), a linear actuator (40) for driving a plungner (90) lengthwise in a cylinder to aspirate and dispense fluid into and from a pipette tip (60) extending from the housing and a control circuit for the linear actuator. The linear actuator is powered by the battery and comprises a stepper motor (40) with current receiving windings for electromagnetically driving a rotor to impart the lengthwise movement to the plunger (90).

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B01L 3/02; G01N 1/14

IPC 8 full level

B01L 3/02 (2006.01)

CPC (source: EP)

B01L 3/0227 (2013.01); **B01L 2200/087** (2013.01); **B01L 2300/02** (2013.01); **B01L 2300/025** (2013.01); **B01L 2300/027** (2013.01)

Citation (search report)

- [A] US 5090255 A 19920225 - KENNEY JAMES W [US]
- [A] US 5187990 A 19930223 - MAGNUSSEN JR HAAKON T [US], et al
- See references of WO 0051738A1

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