

Title (en)

METHOD AND APPARATUS FOR DISPENSING, PIPETTING AND DILUTING FLUIDS.

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERTEILEN, PIPETTIEREN UND VERDÜNNEN VON FLÜSSIGKEITEN.

Title (fr)

PROCEDE ET APPAREIL DE DISTRIBUTION, PIPETAGE ET DILUTION DE FLUIDES.

Publication

EP 0109416 A4 19840914 (EN)

Application

EP 83901609 A 19830519

Priority

HU 159082 A 19820519

Abstract (en)

[origin: WO8304015A1] Method and apparatus to dispense, pipet and, afterwards, to dilute fluids, primarily for analytical laboratory use. In the method of this invention, a constant stream of the fluid is established and maintained in a part of a tube by means of a peristaltic pump, and a predetermined amount of the fluid is sipped or dispensed by opening a suction or pressure side of the tube for an adequate time. With the apparatus, pressure side tubes of the pump are connected through controlled switch valves to fluid container or to a dispensing tube, and a control unit is attached to the switch valves and is electrically connected to a sensor of a chopper fixed to an axis of the pump.

IPC 1-7

B67D 5/01

IPC 8 full level

B67D 99/00 (2010.01); **B01L 3/02** (2006.01)

CPC (source: EP)

B01L 3/0203 (2013.01); **B01L 3/021** (2013.01)

Citation (search report)

[A] US 3419358 A 19681231 - SMYTHE WILLIAM J, et al

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

WO 8304015 A1 19831124; DE 3376680 D1 19880623; EP 0109416 A1 19840530; EP 0109416 A4 19840914; EP 0109416 B1 19880518; HU 183961 B 19840628; SU 1276257 A3 19861207

DOCDB simple family (application)

HU 8300025 W 19830519; DE 3376680 T 19830519; EP 83901609 A 19830519; HU 159082 A 19820519; SU 3689153 A 19840118