

Title (en)

ASSAY DEVICES USING SUBSURFACE FLOW.

Title (de)

TESTVORRICHTUNGEN, DIE EINEN DURCHFLUSS UNTER DER OBERFLÄCHE VERWENDEN.

Title (fr)

DISPOSITIFS DE TITRAGE A ECOULEMENT DE SOUS-SURFACE.

Publication

EP 0664000 A1 19950726 (EN)

Application

EP 93921623 A 19930916

Priority

- US 9308751 W 19930916
- US 95806892 A 19921008

Abstract (en)

[origin: WO9409366A1] The present invention is directed to improving the performance of assays using a disposable assay device which includes a porous material in liquid communication with a capillary track. In particular, the capillary track is used in conjunction with the solid support to direct test sample and assay reagents directly to a defined reaction site on or in the porous material. Signal development at the reaction site indicates the assay result. The present invention is also directed to the construction of a disposable assay device which includes a capillary track. In particular, the capillary track is formed by printing a fluid insoluble material, in the reverse image of the desired capillary track, on a film layer and then capping the printed material. Alternatively, the capillary track is formed by printing a fluid insoluble material, in the reverse image of the desired capillary track, on a porous material which is then sandwiched between two film layers.

IPC 1-7

G01N 33/543

IPC 8 full level

B01L 3/00 (2006.01); **G01N 33/48** (2006.01); **G01N 33/53** (2006.01); **G01N 33/543** (2006.01)

CPC (source: EP)

B01L 3/502707 (2013.01); **G01N 33/54366** (2013.01); **G01N 33/54386** (2013.01); **B01L 3/5023** (2013.01); **B01L 3/50273** (2013.01); **B01L 2200/16** (2013.01); **B01L 2300/069** (2013.01); **B01L 2300/0825** (2013.01); **B01L 2400/0406** (2013.01)

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI

DOCDB simple family (publication)

WO 9409366 A1 19940428; AU 4925593 A 19940509; CA 2144976 A1 19940428; EP 0664000 A1 19950726; EP 0664000 A4 19970507; JP H08502363 A 19960312

DOCDB simple family (application)

US 9308751 W 19930916; AU 4925593 A 19930916; CA 2144976 A 19930916; EP 93921623 A 19930916; JP 51000194 A 19930916