

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 A4 19970507 (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.

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**G01N 33/543**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [AP] WO 9310457 A1 19930527 - BUNCE ROGER A [GB], et al
- [A] EP 0299299 A2 19890118 - POREX TECH CORP [US]
- See references of WO 9409366A1

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