

Title (en)
IMMUNOASSAY DEVICE

Title (de)
VORRICHTUNG FÜR IMMUNOLOGISCHE ANALYSEN

Title (fr)
DISPOSITIF D'ANALYSE IMMUNOLOGIQUE

Publication
EP 1023600 A4 20020508 (EN)

Application
EP 98939140 A 19980729

Priority
US 9815916 W 19980729

Abstract (en)
[origin: WO0007015A1] The invention provides test strip assay devices for detection of an analyte in a fluid analyte sample in which the hook effect is minimized and interference with binding reactions in the assay are substantially avoided, as well as methods for use of the devices to those ends. To these ends, the devices of the invention separate the test zone of the test strip (in which a binder for the analyte is immovably bound) and the tracer zone of the test strip (in which a reconstitutable tracer is movably bound) in horizontal and, in some embodiments, in vertical planes. In all embodiments of the devices and methods of the invention, fluid analyte sample applied to the test strip contacts the test zone before the tracer contacts either the sample or the test zone. The device is especially useful for detection of analyte whose binding with assay binders is especially sensitive to assay conditions, such as antibody analyte.

IPC 1-7
G01N 33/53; **G01N 33/558**; **G01N 33/543**; **G01N 33/552**; **G01N 33/544**

IPC 8 full level
G01N 33/52 (2006.01); **G01N 33/558** (2006.01); **G01N 33/569** (2006.01)

CPC (source: EP US)
G01N 33/525 (2013.01 - EP); **G01N 33/54388** (2021.08 - US); **G01N 33/558** (2013.01 - EP); **G01N 33/569** (2013.01 - EP)

Citation (search report)

- [A] EP 0806666 A2 19971112 - SYNTRON BIORESEARCH INC [US]
- [A] EP 0310406 A2 19890405 - E Y LAB INC [US]
- [A] WO 9822824 A1 19980528 - ZER AVRAHAM [IL], et al
- [A] WO 9734148 A1 19970918 - SPECTRAL DIAGNOSTICS INC [CA]
- See references of WO 0007015A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0007015 A1 20000210; AU 8763098 A 20000221; EP 1023600 A1 20000802; EP 1023600 A4 20020508

DOCDB simple family (application)
US 9815916 W 19980729; AU 8763098 A 19980729; EP 98939140 A 19980729