Title (en)

BIOANALYTICAL RECOGNITION SURFACE WITH OPTIMISED RECOGNITION ELEMENT DENSITY

Title (de)

BIONALYTISCHE ERKENNUNGSOBERFLÄCHE MIT OPTIMIERTER DICHTE DER ERKENNUNGSELEMENTE

Title (fr)

SURFACE D'IDENTIFICATION BIOANALYTIQUE A DENSITE D'ELEMENTS D'IDENTIFICATION OPTIMISEE

Publication

EP 1421376 A2 20040526 (DE)

Application

EP 02797619 A 20020824

Priority

- CH 15852001 A 20010827
- EP 0209489 W 20020824

Abstract (en)

[origin: WO03021253A2] The invention relates to a recognition surface on a support with an optimal (with regard to the surface) binding capacity for recognition and binding of one or several analytes from samples brought into contact with said surface, characterized in that a) said recognition surface comprises a mixture of specific biological, biochemical or synthetic recognition elements for the recognition and binding of said analytes with components which are neutral to said analytes, in other words, do not bind said analytes and b) said specific recognition elements form less than a complete monolayer, relative to the whole surface area or any partial area thereof. The invention also relates to a method for the qualitative and/or quantitative determination of one or more analytes in one or more samples, characterized in that said samples and optionally further reagents are brought into contact with the above recognition surface and changes resulting from the binding of the analyte or analytical substances added for detection of the analytes are measured by optical or electronic signals.

IPC 1-7

G01N 33/00

IPC 8 full level

G01N 33/00 (2006.01)

CPC (source: EP US)

G01N 33/544 (2013.01 - EP US)

Citation (search report)

See references of WO 03021253A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03021253 A2 20030313; **WO 03021253 A3 20031120**; AU 2002361223 A1 20030318; EP 1421376 A2 20040526; US 2004253596 A1 20041216

DOCDB simple family (application)

EP 0209489 W 20020824; AU 2002361223 A 20020824; EP 02797619 A 20020824; US 48772004 A 20040227