

Title (en)
ANALYTIC SENSOR APPARATUS AND METHOD

Title (de)
ANALYTISCHE SENSORVORRICHTUNG UND VERFAHREN

Title (fr)
DISPOSITIF ET PROCEDE SERVANT A DETECTER DES SUBSTANCES A ANALYSER

Publication
EP 1185868 A1 20020313 (EN)

Application
EP 00944617 A 20000605

Priority

- IL 13047899 A 19990615
- IL 13119399 A 19990801
- IL 13198399 A 19990921
- IL 13249199 A 19991021
- IL 13305999 A 19991121
- IL 13332399 A 19991206
- US 0015400 W 20000605
- US 42656499 A 19991022

Abstract (en)
[origin: WO0077522A1] A sensor for detecting analytes of interest is described. Analyte presence or concentration is determined through measurement of changes in induced electromotive force, current or other electrical property in a sensor strip during analyte exposure to the sensor. According to one class of embodiments, the present device immobilizes natural or synthetic macromolecules sufficiently close to an electrically-conductive base member to insure that interaction of analyte with the macromolecules will lead to altered *de novo* electrical signals in the sensor strip of base member and macromolecules. Performance of the sensor is enhanced by the use of a resistance-modifying element in a circuit that includes the sensor strip, and by an adhesive agent disposed between the base member and at least one electrical lead of a detection unit.

IPC 1-7
G01N 33/543; **G01N 33/487**

IPC 8 full level
C12Q 1/00 (2006.01); **G01N 33/543** (2006.01); **G01N 33/66** (2006.01)

CPC (source: EP)
B82Y 30/00 (2013.01); **C12Q 1/002** (2013.01); **G01N 33/5438** (2013.01); **G01N 33/66** (2013.01); **G01N 2333/205** (2013.01); **G01N 2333/924** (2013.01); **G01N 2333/98** (2013.01); **G01N 2333/986** (2013.01); **G01N 2333/99** (2013.01); **G01N 2415/00** (2013.01)

Citation (search report)
See references of WO 0077522A1

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 0077522 A1 20001221; AU 5868700 A 20010102; EP 1185868 A1 20020313

DOCDB simple family (application)
US 0015400 W 20000605; AU 5868700 A 20000605; EP 00944617 A 20000605