

Title (en)
DEVICE FOR DETECTING AN ANALYTE

Title (de)
VORRICHTUNG ZUR DETEKTION EINES ANALYTEN

Title (fr)
DISPOSITIF POUR REPERER UN ANALYTE

Publication
EP 1518109 A2 20050330 (DE)

Application
EP 03738094 A 20030627

Priority
• DE 10229210 A 20020628
• EP 0306818 W 20030627

Abstract (en)
[origin: WO2004003538A2] The invention relates to a device (17) for detecting an analyte in a liquid having a multitude of electrodes (15), which are insulated from one another while being arranged on a first side (12) of an electrically non-conductive plate (10) that is impermeable to the liquid. Said electrodes (15) have, at least in part, an analyte-specific coating or analyte-specific molecules. Electrical conductors that pass through the plate (10) can, from a second side (14) of the plate, be electrically contacted and individually discharged. The coating or the molecules has/have a specific affinity to the analytes or to a substance formed due to the presence of the analyte. In addition, the device has no leakages.

IPC 1-7
G01N 27/30; **C12Q 1/68**

IPC 8 full level
G01N 27/02 (2006.01); **G01N 33/487** (2006.01)

CPC (source: EP US)
G01N 27/3276 (2013.01 - EP US); **G01N 27/308** (2013.01 - EP US); **Y10T 29/49002** (2015.01 - EP US)

Citation (search report)
See references of WO 2004003538A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 10229210 A1 20040129; AU 2003245994 A1 20040119; AU 2003245994 A8 20040119; CN 1768261 A 20060503; EP 1518109 A2 20050330; JP 2006504075 A 20060202; US 2006011474 A1 20060119; WO 2004003538 A2 20040108; WO 2004003538 A3 20040422

DOCDB simple family (application)
DE 10229210 A 20020628; AU 2003245994 A 20030627; CN 03820113 A 20030627; EP 0306818 W 20030627; EP 03738094 A 20030627; JP 2004516720 A 20030627; US 51849805 A 20050314