Title (en)

DIRECT AND INDIRECT MODULATION OF SPECTROPHOTOMETRIC CHANGES IN LIPID LAYER IN MEASURING ANALYTES

Title (de)

DIREKTE UND INDIREKTE MODULATION VON SPEKTROPHOTOMETRISCHEN VERÄNDERUNGEN IN LIPIDSCHICHTEN IN DER MESSUNG VON ANALYTEN

Title (fr)

MODULATION DIRECTE ET INDIRECTE DES VARIATIONS SPECTROPHOTOMETRIQUES DANS UNE COUCHE LIPIDIQUE UTILISEE POUR MESURER DES ANALYTES

Publication

EP 0781413 A1 19970702 (EN)

Application

EP 95932512 A 19950912

Priority

- US 9511672 W 19950912
- US 30508894 A 19940913

Abstract (en)

[origin: WO9608721A1] Methods are provided for the detection of an analyte involving binding of a binding ligand (analyte or analyte mimic) to a reciprocal binding member, where the chromatic shift has a result of binding of the binding ligand to the a polymerized layer is measured; or the effect of the binding of the binding ligand on the chromatic shift resulting from a change in the environment of the polymerized layer is measured. Changes in temperature, pH, or other mechanisms for triggering optical change in the polymer provide for chromatic shift. The binding of an analyte bound to a ligand which is bound to the polymerized layer is shown to modulate the chromatic shift resulting from the temperature change, pH change or other mechanisms capable of triggering an optical change in the polymer's chromatic properties.

IPC 1-7

G01N 33/543

IPC 8 full level

G01N 33/543 (2006.01); **G01N 33/58** (2006.01)

CPC (source: EP)

G01N 33/54373 (2013.01); **G01N 33/586** (2013.01)

Citation (search report)

See references of WO 9608721A1

Designated contracting state (EPC)

AT CH DE FR GB LI

DOCDB simple family (publication)

WO 9608721 A1 19960321; CA 2199149 A1 19960321; EP 0781413 A1 19970702; JP H10505904 A 19980609

DOCDB simple family (application)

US 9511672 W 19950912; CA 2199149 A 19950912; EP 95932512 A 19950912; JP 51033595 A 19950912