

Title (en)

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

Title (de)

DIREKTE UND INDIKRETE 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

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Application

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Priority

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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.

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