

Title (en)
ANALYTICAL PLATFORM AND DETECTION METHOD WITH ANALYTES WHICH ARE TO BE DETECTED IN A SAMPLE IN THE FORM OF IMMOBILIZED SPECIFIC BINDING PARTNERS

Title (de)
ANALYTISCHE PLATTFORM UND NACHWEISVERFAHREN MIT DEN IN EINER PROBE NACHZUWEISENDEN ANALYTEN ALS IMMOBILISIERTEN SPEZIFISCHEN BINDUNGSPARTNERN

Title (fr)
PLATE-FORME ANALYTIQUE ET PROCEDE D'IDENTIFICATION AVEC DES SUBSTANCES D'ANALYSE A IDENTIFIER DANS UN ECHANTILLON, SE PRESENTANT SOUS FORME DE PARTENAIRES DE LIAISON SPECIFIQUES IMMOBILISES

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Application
EP 03793766 A 20030828

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Abstract (en)
[origin: WO2004023142A1] The invention relates to an analytical platform and a method carried out therewith for examining a plurality of naturally identical samples for biologically relevant compounds taking part in specific binding reactions in the form of analytes, characterized in that said samples or dilutions of said samples, with the analyte to be detected contained therein, are applied without modification of the relative molecular composition in comparison to the original relative molecular composition of the sample, as a first plurality of specific binding partners in at least one one-dimensional or two-dimensional array in discrete measuring areas on an evanescence field sensor platform as a fixed carrier; one or several detection substances are brought into contact in one or more steps of a specific binding reaction with the samples applied in said discrete measuring areas in the form of a second plurality of specific binding partners for specific detection of one or several analytes contained in the sample from said first plurality of specific binding partners; modifications of optoelectronic signals resulting from the binding of detection substances to analytes contained in the samples in the discrete measuring areas are measured with local resolution in the evanescence field of the evanescence field sensor platform and the presence of the analytes which are to be specifically detected is determined quantitatively or qualitatively on the basis of the relative quantity of the modifications of said optoelectronic signals from the respective measuring areas.

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