

Title (en)

METHOD AND APPARATUS FOR RECOGNIZING MOLECULAR COMPOUNDS

Title (de)

VERFAHREN UND GERÄT ZUR ERKENNUNG MOLEKULARER VERBINDUNGEN

Title (fr)

PROCEDE ET DISPOSITIF POUR RECONNAITRE DES COMPOSES MOLECULAIRES

Publication

**EP 1631577 A4 20080723 (EN)**

Application

**EP 03741837 A 20030528**

Priority

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Abstract (en)

[origin: WO2004106357A1] A probe-target reaction is made more recognizable by the provision of a mass-enhancing and/or evanescent-field-perturbing amplifier element which reacts uniquely with and binds to the probe-target pair to provide increased mass. Where the probe-target pair is hybridized dsDNA, a suitable mass enhancing amplifier is anti-double stranded DNA mouse IgM. In examples with sufficient sequence pairs in the probe-target combination, a sequence-specific minor-groove-binding polyamide can be used that carries biotin which can be amplified by streptavidin in a suitable carrier. In a preferred embodiment, a plurality of probes are immobilized at the sites of a microarray, each probe being specific to a different target. Optics utilizing total internal reflection are described for observing perturbation of the evanescent field.

IPC 8 full level

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Citation (search report)

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