

Title (en)
METHOD AND APPARATUS FOR ENZYME DETECTION

Title (de)
VERFAHREN UND VORRICHTUNG ZUM ENZYMNACHWEIS

Title (fr)
PROCEDE ET APPAREIL DE DETECTION D'UNE ENZYME

Publication
EP 1185688 A2 20020313 (EN)

Application
EP 00936818 A 20000527

Priority
• EP 0004855 W 20000527
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Abstract (en)
[origin: GB2350677A] A method for detecting the presence of an enzyme comprises contacting the sample to be analysed with a substrate part of which is covered with a layer of a biodegradable polymer. The polymer is degraded by the enzyme to produce a measureable signal. The signal is typically detected by measuring changes in the polymer layer using surface plasmon resonance, ellipsometry, impedance spectroscopy or capacitance measurements. Substrate can be an electrode, transducer or a capacitor. Enzyme is e.g. a protease, dextranase or a pepsin. Utility is in immunoassay.

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IPC 8 full level
C12Q 1/37 (2006.01); **C12Q 1/44** (2006.01); **G01N 33/58** (2006.01)

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