

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
- GB 9913051 A 19990604

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.

IPC 1-7

C12Q 1/34; **C12Q 1/37**; **C12Q 1/44**; **C12Q 1/40**

IPC 8 full level

C12Q 1/37 (2006.01); **C12Q 1/44** (2006.01); **G01N 33/58** (2006.01)

CPC (source: EP)

C12Q 1/37 (2013.01); **C12Q 1/44** (2013.01); **G01N 33/581** (2013.01)

Citation (search report)

See references of WO 0075360A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

GB 2350677 A 20001206; **GB 9913051 D0 19990804**; EP 1185688 A2 20020313; WO 0075360 A2 20001214; WO 0075360 A3 20010419

DOCDB simple family (application)

GB 9913051 A 19990604; EP 0004855 W 20000527; EP 00936818 A 20000527