Title (en)

ASSAY FOR IMMOBILIZED REPORTER GROUPS.

Title (de)

TEST FÜR IMMOBILISIERTE REPORTERGRUPPEN.

Title (fr)

ANALYSE POUR LA DETECTION DE GROUPES RAPPORTEURS IMMOBILISES.

Publication

EP 0170652 A4 19880823 (EN)

Application

EP 84901033 A 19840127

Priority

US 8400138 W 19840127

Abstract (en)

[origin: WO8503356A1] A sensitive and specific assay method for luminescent detection of support matrix-bound reporter groups smaller than about 10,000 daltons in size which comprises contacting such reporter groups with a detector complex which comprises a first component having a strong and specific affinity for such reporter group, and a second component capable of being readily coupled to a light emitting system, thereby to produce high affinity attachment of said detector complex to the immobilized reporter group. The amount of bound detector complex is determined with a luminescence coupled reaction. The light emitted is quantitated by means including a luminometer, light sensitive film, or light sensitive charge coupled device; and the amount of such light provides a measure of the reporter groups bound to the support matrix. In one application, the assay method provides means for monitoring the interactions by which the reporter groups are immobilized. Also disclosed are reagent means useful in practicing the method.

IPC 1-7

; C12Q 1/68

IPC 8 full level

G01N 33/543 (2006.01); **C12Q 1/68** (2006.01); **G01N 33/533** (2006.01)

CPC (source: EP)

G01N 33/533 (2013.01)

Citation (search report)

- [XP] EP 0123300 A2 19841031 - ENZO BIOCHEM INC [US]
- [XP] JP S607362 A 19850116 - FUJIREBIO KK
- [XP] EP 0131830 A1 19850123 - MOLECULAR DIAGNOSTICS INC [US]
- [X] EP 0063879 A2 19821103 - UNIV YALE [US]
- [X] US 4383031 A 19830510 - BOGUSLASKI ROBERT C, et al
- [Y] US 4358535 A 19821109 - FALKOW STANLEY, et al
- [Y] US 4298685 A 19811103 - PARIKH INDU, et al
- [Y] US 4228237 A 19801014 - HEVEY RICHARD C, et al
- See references of WO 8503356A1

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

WO 8503356 A1 19850801; AU 2577084 A 19850809; AU 582341 B2 19890323; DK 436785 A 19850926; DK 436785 D0 19850926; EP 0170652 A1 19860212; EP 0170652 A4 19880823; JP S61501047 A 19860522; NO 853790 L 19850926

DOCDB simple family (application)

US 8400138 W 19840127; AU 2577084 A 19840127; DK 436785 A 19850926; EP 84901033 A 19840127; JP 50102584 A 19840127; NO 853790 A 19850926