

Title (en)

HIGH SPECIFICITY IMMUNO-AMPLIFICATION

Title (de)

IMMUNAMPLIFIKATION MIT HOHER SPEZIFITÄT

Title (fr)

AMPLIFICATION IMMUNOLOGIQUE HAUTEMENT SPÉCIFIQUE

Publication

EP 2245461 A1 20101103 (EN)

Application

EP 09705856 A 20090129

Priority

- US 2009032505 W 20090129
- US 2454808 P 20080129

Abstract (en)

[origin: WO2009097470A1] A method is described for detecting analytes which specifically bind to a specific binding molecule using proximity modulated signal generation. The method uses a first construct which includes a specific binding moiety, such as an antibody, attached to a photosensitizer moiety, and a second construct which includes a second binding molecule which recognizes the bound analyte and which also contains a photocleavable linker linked to an amplifiable nucleic acid oligomer. Upon exposure to activating light, the photosensitizer generates singlet oxygen causing cleavage of the photocleavable linker in analyte-bound second constructs and releasing the corresponding amplifiable oligomer. Following amplification, the amplified oligomer can be detected and/or quantitated in conventional ways, thereby identifying the corresponding analyte.

IPC 8 full level

G01N 33/53 (2006.01)

CPC (source: EP)

C12Q 1/6823 (2013.01); **C12Q 1/686** (2013.01); **G01N 33/58** (2013.01)

Citation (search report)

See references of WO 2009097470A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009097470 A1 20090806; EP 2245461 A1 20101103

DOCDB simple family (application)

US 2009032505 W 20090129; EP 09705856 A 20090129