

Title (en)

PATHOGEN DETECTION USING METAL ENHANCED FLUORESCENCE

Title (de)

NACHWEIS VON PATHOGENEN UNTER VERWENDUNG VON METALLVERSTÄRKTER FLUORESZENZ

Title (fr)

DÉTECTION DE PATHOGÈNES UTILISANT UNE FLUORESCENCE AUGMENTÉE PAR LE MÉTAL

Publication

EP 2780709 A2 20140924 (EN)

Application

EP 12852456 A 20121116

Priority

- US 201161560501 P 20111116
- US 2012065655 W 20121116

Abstract (en)

[origin: WO2013115897A2] Pathogen sensors, systems for pathogen detection, peptide ligands, and methods for detecting pathogens are disclosed. The pathogen sensors include silver particles attached to optically clear substrates, immobilized capture peptide or glycan ligands attached to the silver particles, and free labeling peptide or glycan ligands having fluorophores. Binding of the immobilized capture ligands and the free labeling ligands to the pathogen positions the fluorophore at a distance from the silver particles sufficient to initiate metal enhanced fluorescence.

IPC 8 full level

G01N 33/543 (2006.01); **G01N 33/553** (2006.01); **G01N 33/569** (2006.01)

CPC (source: EP)

G01N 33/553 (2013.01); **G01N 33/569** (2013.01)

Citation (search report)

See references of WO 2013115897A2

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013115897 A2 20130808; WO 2013115897 A3 20131128; WO 2013115897 A9 20130926; EP 2780709 A2 20140924

DOCDB simple family (application)

US 2012065655 W 20121116; EP 12852456 A 20121116