

Title (en)

INORGANIC POLYMERS AND USE OF INORGANIC POLYMERS FOR DETECTING NITROAROMATIC COMPOUNDS

Title (de)

ANORGANISCHE POLYMERE UND VERWENDUNG ANORGANISCHER POLYMERE ZUM NACHWEIS NITROAROMATISCHER VERBINDUNGEN

Title (fr)

POLYMERES INORGANIQUES ET LEUR UTILISATION POUR DETECTER DES COMPOSES NITROAROMATIQUES

Publication

EP 1931971 A4 20090923 (EN)

Application

EP 05791438 A 20050825

Priority

US 2005030381 W 20050825

Abstract (en)

[origin: WO2007024227A1] A method for detecting an analyze that may be present in ambient air, bound to a surface or as part of complex aqueous media that includes providing a metallole-containing polymer or copolymer, exposing the polymer or copolymer to a suspected analyze or a system suspected of including the analyze, and measuring a quenching of photoluminescence of the metallole-containing polymer or copolymer exposed to the system. Also included is a solid state inorganic-organic polymer sensor for detecting nitroaromatic compounds that includes a substrate and a thin film of a metallole-containing polymer or copolymer deposited on said substrate.

IPC 8 full level

G01N 21/76 (2006.01); **B32B 5/02** (2006.01); **C07F 5/00** (2006.01)

CPC (source: EP)

C07F 7/30 (2013.01); **G01N 21/77** (2013.01); **G01N 2021/6432** (2013.01); **G01N 2021/7786** (2013.01)

Citation (search report)

- [XA] WO 2004058841 A2 20040715 - UNIV CALIFORNIA [US], et al
- See references of WO 2007024227A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007024227 A1 20070301; CA 2620238 A1 20070301; EP 1931971 A1 20080618; EP 1931971 A4 20090923

DOCDB simple family (application)

US 2005030381 W 20050825; CA 2620238 A 20050825; EP 05791438 A 20050825