

Title (en)  
METHODS FOR DETECTING RAMAN SCATTERING USING AROMATIC COMPOUNDS COMPRISING PHOSPHATE AND AT LEAST ONE NON-LASER LIGHT SOURCE

Title (de)  
VERFAHREN ZUR DETEKTION VON RAMAN-STREUUNG UNTER VERWENDUNG AROMATISCHER VERBINDUNGEN MIT PHOSPHAT UND MINDESTENS EINER NICHTLASER-LICHTQUELLE

Title (fr)  
PROCÉDÉS POUR DÉTECTER LA DIFFUSION RAMAN EN UTILISANT DES COMPOSÉS AROMATIQUES COMPRENANT DU PHOSPHATE ET AU MOINS UNE SOURCE DE LUMIÈRE NON LASER

Publication  
**EP 2553117 A1 20130206 (EN)**

Application  
**EP 11714460 A 20110328**

Priority  
• US 31837710 P 20100328  
• US 2011030166 W 20110328

Abstract (en)  
[origin: WO2011123386A1] The present disclosure provides systems for the rapid and sensitive detection of organisms and molecules in samples. Reactants that produce Raman-active products are used in combination with Raman light scattering and a detection system that utilizes at least one non-laser-based light source, such as a fluorescence detection system. Such compounds may comprise phosphates permitting the detection of phosphatases and phosphate-based enzyme assays, such as immunoassays and DNA-based assays. The present disclosure can also be used to measure enzyme-kinetics.

IPC 8 full level  
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CPC (source: EP)  
**C12Q 1/04** (2013.01); **C12Q 1/28** (2013.01); **C12Q 1/42** (2013.01); **G01N 21/65** (2013.01)

Citation (search report)  
See references of WO 2011123386A1

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BA ME

DOCDB simple family (publication)  
**WO 2011123386 A1 20111006**; CA 2794130 A1 20111006; CA 2794130 C 20211019; EP 2553117 A1 20130206

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**US 2011030166 W 20110328**; CA 2794130 A 20110328; EP 11714460 A 20110328