

Title (en)

MOLECULARLY IMPRINTED POLYMER SOLUTION ANION SENSOR

Title (de)

SENSOR FÜR ANIONEN IN LÖSUNG BASIEREND AUF EINEM MOLEKULAR GEPRÄGTEN POLYMER

Title (fr)

DETECTEUR D'ANIONS EN SOLUTION A BASE DE POLYMERE A EMPREINTE MOLECULAIRE

Publication

**EP 1436599 A2 20040714 (EN)**

Application

**EP 02801765 A 20021016**

Priority

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Abstract (en)

[origin: WO03034043A2] Devices for measuring and detecting a wide variety of analytes, including polyatomic anions, such as organophosphorus pesticides and nerve agents are provided. The devices function by selectively binding an analyte to a luminescent functionality-imprinted copolymer. The copolymers possess a securely bound luminescent lanthanide ion, such as Eu<sup>3+</sup>, in a coordination complex that has been imprinted to bind the chemical functionality. Also provided are methods for producing the lanthanide-containing molecularly imprinted polymers of the invention.

IPC 1-7

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IPC 8 full level

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