

Title (en)  
ELECTRONICALLY-SOLID-PHASE ASSAY BIOMOLECULES

Title (de)  
ELEKTRONISCHER ANALYSETEST FÜR BIOMOLEKÜLE AN EINER FESTE PHASE

Title (fr)  
ANALYSE DE BIOMOLECULES PAR UN DISPOSITIF ELECTRONIQUE EN PHASE SOLIDE

Publication  
**EP 0871777 A4 20011219 (EN)**

Application  
**EP 96942813 A 19961126**

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• US 56500795 A 19951130

Abstract (en)  
[origin: WO9720074A1] Disclosed are materials and methods for detecting biomolecules in samples employing transponders associated with the bead(s) used as the solid phase in the assay, and information pertinent to the assay is encoded on the transponders memory elements. A dedicated read/write device is used remotely to encode or remotely to read the information. The invention can be used in direct or competitive ELISA-type assays, or in multiplex assays for the simultaneous assay of several analytes, including nucleic acids and protein.

IPC 1-7  
**C12Q 1/68**; **C12P 19/34**; **G01N 33/48**; **H01Q 1/26**; **H01Q 1/00**; **H01Q 7/08**; **H01Q 1/40**; **G01S 13/74**; **G01S 13/08**; **B01J 19/00**

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**C12N 15/09** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/543** (2006.01); **G01N 33/566** (2006.01); **C40B 70/00** (2006.01); **G01N 15/14** (2006.01)

CPC (source: EP)  
**C12Q 1/6825** (2013.01); **C12Q 1/6834** (2013.01); **G01N 33/54313** (2013.01); **G01N 33/54373** (2013.01); **B01J 2219/00567** (2013.01); **C40B 70/00** (2013.01); **G01N 15/14** (2013.01)

Citation (search report)  
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• [PX] WO 9636436 A1 19961121 - IRORI [US], et al  
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• [A] MORAN E J ET AL: "RADIO FREQUENCY TAG ENCODED COMBINATORIAL LIBRARY METHOD FOR THE DISCOVERY OF TRIPEPTIDE-SUBSTITUTED CINNAMIC ACID INHIBITORS OF THE PROTEIN TYROSINE PHOSPHATASE PTP1B", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 117, no. 43, 1 November 1995 (1995-11-01), pages 10787 - 10788, XP002070500, ISSN: 0002-7863  
• See references of WO 9720074A1

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DOCDB simple family (application)  
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