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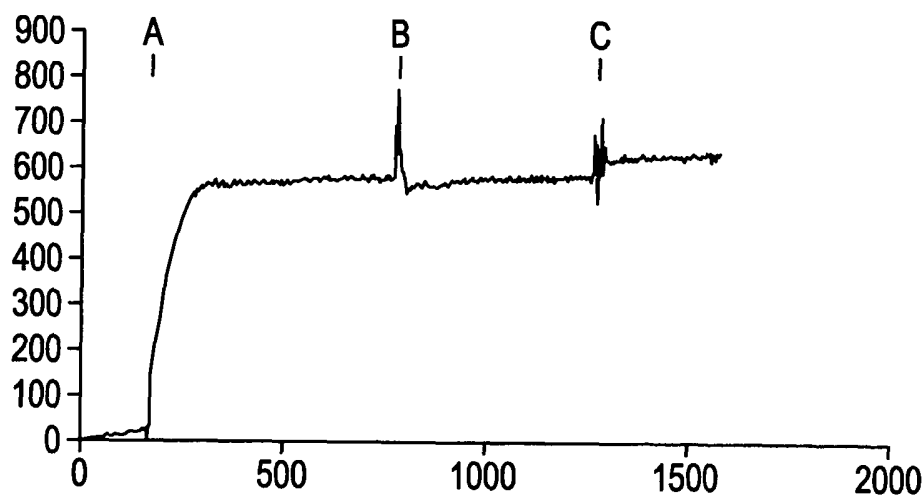
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(54) Title: LABEL-INDEPENDENT DETECTION OF UNPURIFIED ANALYTES

Lysate with SA Corrected



(57) Abstract: The present invention features use of evanescent field sensing to detect or evaluate unpurified, unlabeled analytes in raw samples. Capture molecules capable of binding to an analyte of interest can be immobilized to a sensing surface of an evanescent field sensor. The interaction between the analyte of interest in a raw sample and the immobilized capture molecules alters the refractive index at the sensing surface, thereby producing a detectable signal in the reflected light from the surface. Raw samples amenable to the present invention include, but are not limited to, cell lysates, tissue extracts, bodily fluid, or biologically-derived samples. Evanescent field sensors suitable for the present invention include, but are not limited to, grating-coupled waveguides.

WO 2006/072043 A3

# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. G01N33/543

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/191765 A1 (MOZDY ERIC J ET AL) 30 September 2004 (2004-09-30) abstract page 1, paragraph 3 page 4, last paragraph	1-26
P, X	WO 2005/012886 A (CORNING INCORPORATED; YUEN, PO, KI; QUAN, FREDERIC, J., Y; MOZDY, ERIC) 10 February 2005 (2005-02-10) abstract page 2, paragraph 2 page 5, lines 26-28	1-26
A	WO 02/35214 A (RISOE NATIONAL LABORATORY; HORVATH, ROBERT; PEDERSEN, HENRIK, CHRESTEN) 2 May 2002 (2002-05-02) the whole document	1-26
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See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

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