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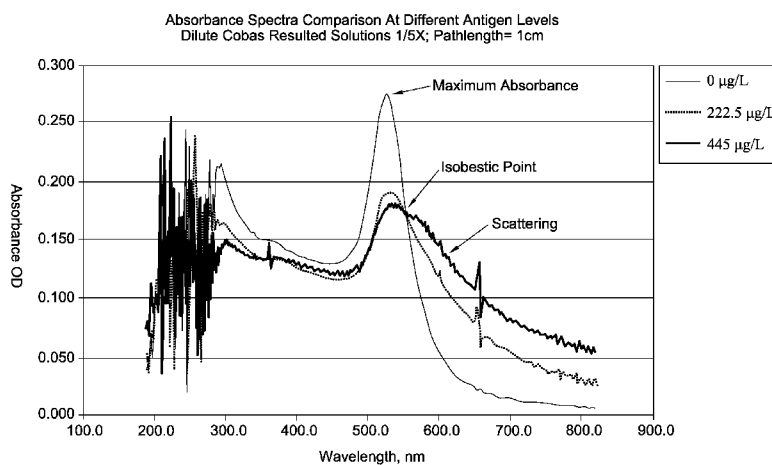


FIG. 1

(57) Abstract: The present invention discloses methods for detecting the presence of a complex between a first reagent and a second reagent in solution. In particular, the invention provides methods for qualitative or quantitative detection of an analyte or its specific binding partner in complex biological samples. The invention further discloses algorithms using summary rate changes at selected wavelengths in the absorbance spectra of colloidal metal-labeled analytes or specific binding partners to identify inter-molecular interactions between the analyte and its binding partner.

A. CLASSIFICATION OF SUBJECT MATTER*G01N 33/52(2006.01)i, G01N 21/77(2006.01)i, G01N 33/569(2006.01)i, G06F 19/00(2006.01)i*

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)

IPC : G01N, G06F

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

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

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

eKOMPASS(KIPO internal), "reaction rate change", "absorbance wavelength region"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,514, 770 B1 (TAKA AKI SORIN) 2003.02.04 see abstract and claims 1-17	1-61
A	US 5,093,271 A (HIDEKI YAMAMOTO) 1992.03.03 see abstract and claims 1-16	1-61
A	US 4,714,672 A (KYUJI ROKUGAWA et al.) 1987.12.22 see abstract and claims 1-6	1-61



Further documents are listed in the continuation of Box C.



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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