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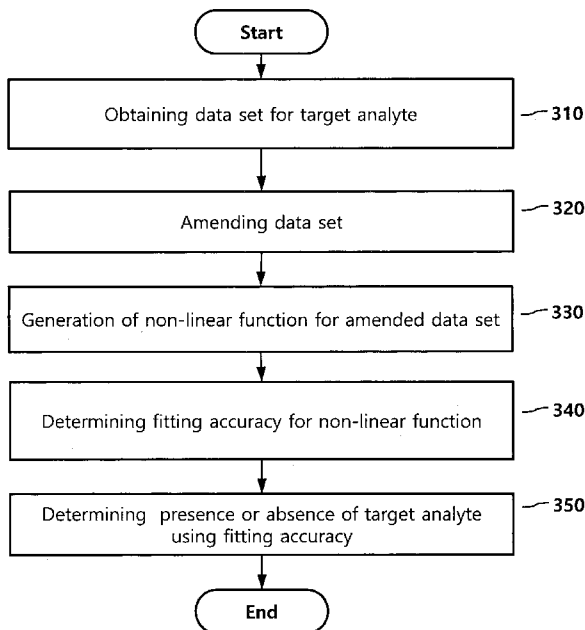
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(54) Title: METHOD AND DEVICE FOR ANALYZING TARGET ANALYTE IN SAMPLE

Fig. 3



(57) Abstract: The present invention relates to a method and device for determining the presence or absence of a target analyte in a sample. The present invention may analyze the target analyte without false results, especially false positive results by using a fitting accuracy of a nonlinear function to a data set as a direct indicator for target analyte analysis.

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
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**A. CLASSIFICATION OF SUBJECT MATTER**

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

G16B 5/00; G01N 21/64; G06F 17/10; G06F 19/00; G06F 7/38; G06G 7/60; C12Q 1/686; G16B 40/00; G16B 50/00; G06F 17/18; G16B 45/00

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  
Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: target, sample, analyte, data set, non-linear, amend, fitting accuracy, quadratic function

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2008-0033701 A1 (KURNIK, R. T.) 07 February 2008 See claims 1, 12, 23.	23-30
A		1-22
Y	US 2013-0179090 A1 (CONROY, J. L. et al.) 11 July 2013 See claims 1, 28, 31.	23-30
A	US 2011-0276317 A1 (GEORGE, W. R.) 10 November 2011 See claims 1, 12, 20.	1-30
A	US 8265883 B2 (GUNSTREAM, S. J. ) 11 September 2012 See claims 1, 4, 8.	1-30
A	US 2009-0119020 A1 (KURNIK, R. T. et al.) 07 May 2009 See claims 1, 8, 16.	1-30

Further documents are listed in the continuation of Box C.

See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

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