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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF SAMPLE CONTROL AND CALIBRATION ADJUSTMENT FOR USE WITH A NONINVASIVE ANALYZER

(57) Abstract: A method and apparatus for easing the use of an optically based noninvasive analyzer is presented. More particularly, a simplified algorithm is used that removes the daily requirement of collecting and using a noninvasive spectrum to update a calibration model. In another embodiment, a guide is used to substantially reduce variation in sample probe placement in relation to a skin tissue sampling site, resulting in the ability to maintain calibration performance with the use of a reference analyte concentration, with or without the use of a reference spectrum collected nearby in time.



WO 2004/104644 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/16064

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 5/00
US CL : 600/316,365

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)
U.S. : 600/316,365

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

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Medline: calibration/calibrating; glucose

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---	US 5,507,288 A (Bocker et al.) 16 April 1996 (16.04.1996), entire document.	1-3,5-8,10-17,19-27,29
Y		4,18,28
Y	US 5,070,874 A (Barnes et al.) 10 December 1991 (10.12.1991), Abstract.	4,18
Y	US 5,494,032 A (Robinson et al.) 27 February 1996 (27.02.1996), column 24, lines 3-38.	8

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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