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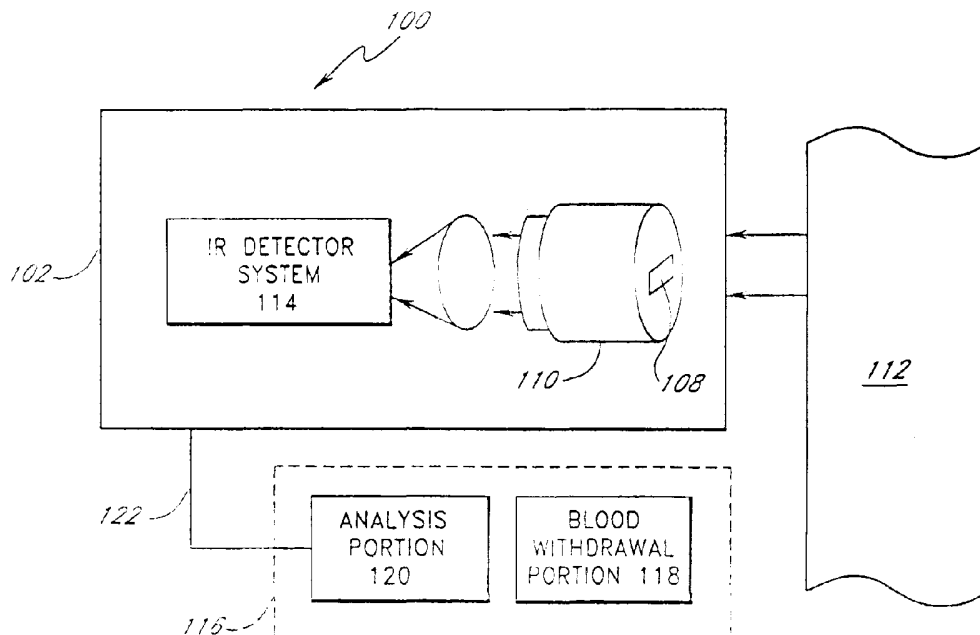
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[Continued on next page]

(54) Title: CALIBRATOR



(57) Abstract: A method calibrates a monitor (100) that comprises a non-invasive blood constituent monitor (102) and a traditional measurement system (116). The non-invasive blood constituent monitor includes a thermal gradient inducing element (110) an analyzer window (108). A traditional monitor output representing a property of a blood constituent is generated by the traditional measurement system (116). A non-invasive monitor output representing the property of the whole blood constituent is generated by the non-invasive constituent monitor (102). The traditional monitor output and the non-invasive monitor output is corrected by the amount of error.



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ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/26190

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 5/00
 US CL : 600/316,322,365

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. : 600/316,322,365,309-310,331,326

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 practicable, search terms used)
 Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,025,597 A (Sterling et al.) 15 February 2000 (15.02.2000), entire document	1-19
Y	US 5,507,288 A (Bocker et al.) 16 April 1996 (16.04.1996), column 7, lines 10-28, column 2, lines 16-27, column 7, lines 42-64, Figs. 1-2, column 5, lines 36-45	1-19
Y	US 6,063,039 A (Cunningham et al.) 16 May 2000 (16.05.2000), Abstract, column 2, line 66 to column 3, line 2	8-10,16-18
Y	US 5,107,469 A (Dodson) 21 April 1992 (21.04.1992), column 1, lines 24-36	8,16
Y	US 5,753,452 A (Smith) 19 May 1998 (19.05.1998), column 4, lines 1-15	11,19
A	US 5,068,536 A (Rosenthal) 26 November 1991 (26.11.1991), entire document	20-31

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

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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

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

PCT/US02/26190

Continuation of Item 4 of the first sheet:

The Title is not precise.

New Title: Glucose Calibrator Using Traditional Measurement Methods

Continuation of B. FIELDS SEARCHED Item 3:

EPO, JPO, Derwent

glucose, calibration