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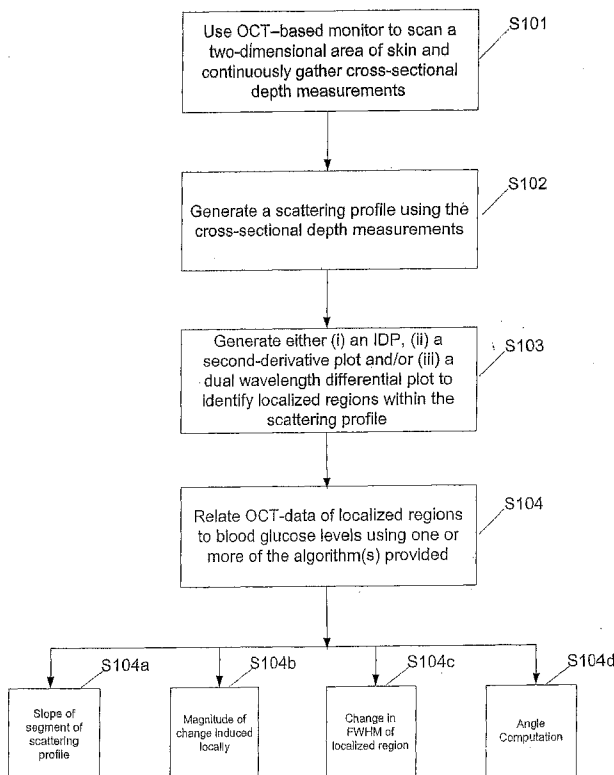
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- (71) Applicant (for all designated States except US): **GLUCO-LIGHT CORPORATION** [US/US]; 115 Research Drive, Bethlehem, PA 18015 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SCHURMAN, Matthew, J.** [US/US]; 139 Hickory Road, Somerset, PA 08873 (US). **SHAKESPEARE, Walter, J.** [US/US]; 4769 Meadowview Drive, Macungie, PA 18062 (US). **BENNETT, William, Henry** [US/US]; 413 Summit Street, Bethlehem, RI 18015 (US).

- (74) Agents: **ENGELLENER, Thomas, J.** et al.; NUTTER MCCLENNEN & FISH LLP, WORLD TRADE CENTER WEST, 155 Seaport Boulevard, Boston, MA 02210-2604 (US).
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[Continued on next page]

(54) Title: METHODS FOR NONINVASIVELY MEASURING ANALYTE LEVELS IN A SUBJECT

FIG. 1



(57) Abstract: A method for noninvasively measuring analytes such as blood glucose levels includes using a non-imaging OCT-based system to scan a two-dimensional area of biological tissue and gather data continuously during the scanning. Structures within the tissue where measured-analyte-induced changes to the OCT data dominate over changes induced by other analytes are identified by focusing on highly localized regions of the data curve produced from the OCT scan which correspond to discontinuities in the OCT data curve. The data from these localized regions then can be related to measured analyte levels.

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 USPC: **600/310,316,476**
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 600/310, 316, 476, 322, 473

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,551,422 A (SIMONSEN et al) 03 September 1996 (03.09.1996), column 6, line 16 - column 7, line 56.	1-25
A	US 5,710,630 A (ESSENPREIS et al) 20 January 1998 (20.01.1998), column 5, line 36 - column 6, line 17.	1-25
A	US 6,725,073 B1 (MOTAMEDI et al) 20 April 2004 (20.04.2004), column 2, line 49 - column 4, line 34.	1-25

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Name and mailing address of the ISA/US:
 Mail Stop PCT, Attn: ISA/US
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 Facsimile No. (571) 273-3201

Authorized officer:
 Eric F. Winakur *Eric F. Winakur*
 Telephone No. 571/272-2975
See