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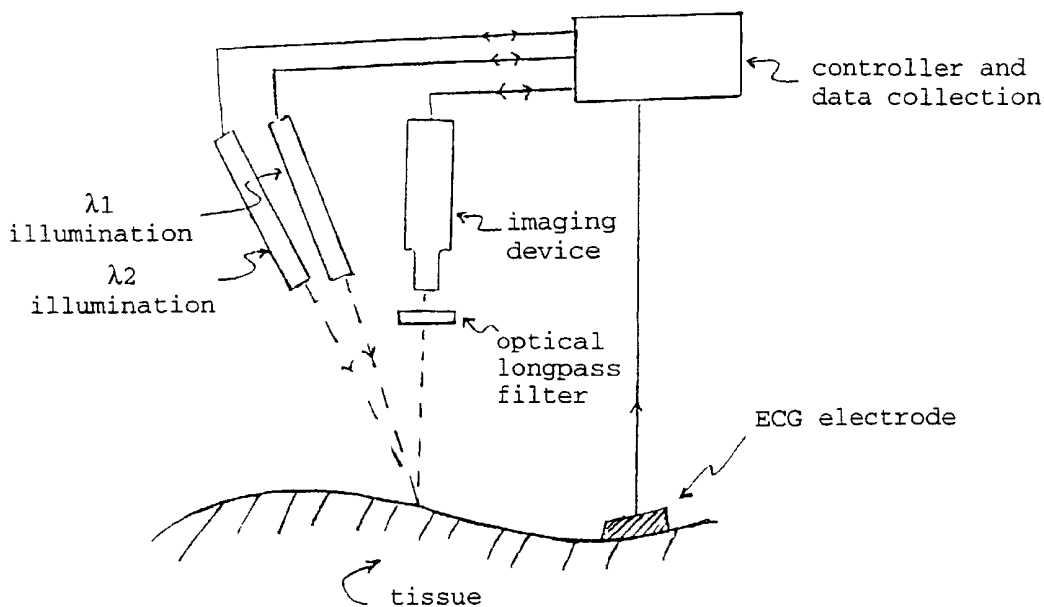
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- (71) Applicants and
- (72) Inventors: **FLOCK, Stephen, T.** [US/AU]; 17 Gillards Road, Mt. Eliza, VIC 3930 (AU). **MARCHITTO, Kevin, S.** [US/AU]; 127 Bellbird Road, Mt. Eliza, VIC 3930 (AU).
- (74) Agent: **ADLER, Benjamin, A.**; Adler & Associates, 8011 Candle Lane, Houston, TX 77071 (US).
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(54) Title: OPTICAL IMAGING OF SUBSURFACE ANATOMICAL STRUCTURES AND BIOMOLECULES



(57) Abstract: The present invention provides various methods/systems of optical imaging of subsurface anatomical structures and biomolecules utilizing red and infrared radiant energy. Also provided are various applications of such methods/systems in medical diagnosis and treatment.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/14322

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :A61B 5/00

US CL :600/310

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. : 600/310, 322, 323, 326, 314, 473, 476

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.
X	US 5,976,502 A (KHOUBEHI et al) 02 November 1999, see column 7, line 60 - column 8, line 7.	1-6, 8, 9
X	US 5,615,673 A (BERGER et al) 01 April 1997, see the entire document.	1, 2, 4, 5, 8 - 10, 26 - 28
X	US 5,606,969 A (BUTLER et al) 04 March 1997, see the entire document	1 - 3, 5 - 14, 16 - 20
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Y		15, 21
Y	US 4,934,372 A (CORENMAN et al) 19 June 1990, see abstract.	15
Y	US 4,907,876 A (SUZUKI et al) 13 March 1990, see the entire document.	21, 23, 24



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"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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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Z" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

ERIC F. WINAKUR

Telephone No. (703) 308 - 0858

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/14322

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,788,639 A (ZAVISLAN et al) 04 August 1998, see the entire document.	22, 25
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Y		23, 24
X	US 5,291,885 A (TANIJI et al) 08 March 1994, column 2, lines 11 - 52.	29-31