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(54) **Method for evaluating extracellular water concentration in tissue**

(57) A method for assessing a whole-body extracellular water metric in a subject, said method comprising: assessing a first localized extracellular water metric at a first tissue site in the subject by emitting light of at least one wavelength towards the first tissue site, wherein a portion of the light is reflected from the first tissue site and detecting at least one wavelength of light reflected by the first tissue site from a position about one millimeter to about five millimeters from the first tissue site; assessing a second localized extracellular water metric at a second tissue site in the subject by emitting light of at least one wavelength towards the second tissue site, wherein a portion of the light is reflected from the second tissue site and detecting at least one wavelength of light reflected by the second tissue site from a position about one millimeter to about five millimeters from the second tissue site; and processing the first and second localized extracellular water metrics to produce a whole-body extracellular water metric, wherein the first and second tissue sites are two different locations.

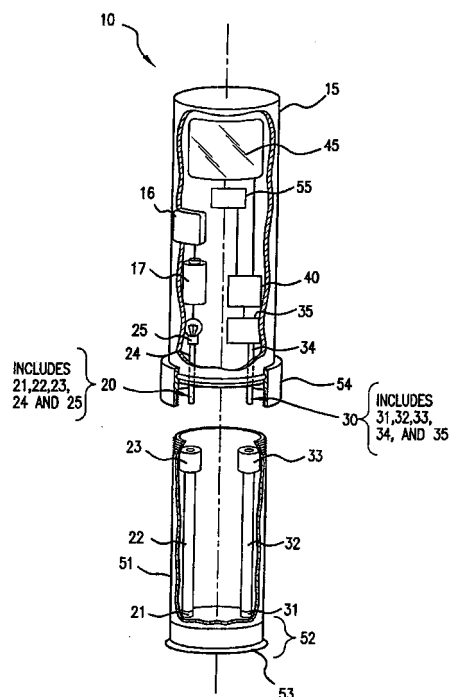


FIG. 4B

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of subsequent proceedings, as the European search report

EP 10 00 7596

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2005/041765 A (NELLCOR PURITAN BENNETT INC [US]; SCHMITT JOSEPH M [US]; DEBRECZENY MA) 12 May 2005 (2005-05-12) * paragraph [0023] - paragraph [0025] * * paragraph [0061]; claims 1,20; figure 6 *	1-9,18	INV. G01N21/27 G01N21/35 A61B5/00 A61B5/053
A	US 2004/127777 A1 (RUCHTI TIMOTHY L [US] ET AL) 1 July 2004 (2004-07-01) * paragraph [0107] - paragraph [0113] * * paragraph [0177] - paragraph [0179]; figures 1-3 *	1-9,18	
A	WO 00/30530 A (ABBOTT LAB [US]) 2 June 2000 (2000-06-02) * page 9, line 5 - page 10, line 20; figure 1 *	1-9,18	
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			TECHNICAL FIELDS SEARCHED (IPC)
			G01N A61B
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search		Date of completion of the search	Examiner
Munich		8 September 2011	Croucher, J
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		& : member of the same patent family, corresponding document	

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**INCOMPLETE SEARCH
SHEET C**

Application Number
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Claim(s) completely searchable:
1-9, 18

Claim(s) not searched:
10-17

Reason for the limitation of the search:

The search has been restricted to the subject-matter indicated by the Applicant in his letter of 22.12.10 filed in reply to the invitation pursuant to Rule 62a(1) EPC.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 10 00 7596

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

08-09-2011

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专利名称(译)	评估组织中细胞外水浓度的方法		
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优先权	11/283506 2005-11-18 US		
其他公开文献	EP2251674A2		
外部链接	Espacenet		

摘要(译)

一种用于评估受试者中的全身细胞外水度量的方法，所述方法包括：通过朝向第一组织部位发射至少一个波长的光来评估受试者中的第一组织部位处的第一局部细胞外水度量，其中一部分光从第一组织部位反射，并检测由第一组织部位从第一组织部位约1毫米至约5毫米的位置反射的至少一个波长的光；评估第二个局部细胞外水指标。通过向第二组织部位发射至少一个波长的光，在受试者中的第二组织部位，其中一部分光从第二组织部位反射并检测由第二组织部位从一个位置反射的至少一个波长的光距第二组织部位约1毫米至约5毫米；处理第一和第二局部细胞外水指标以产生全身细胞外水指标，其中第一和第二组织部位是两个不同的位置。

