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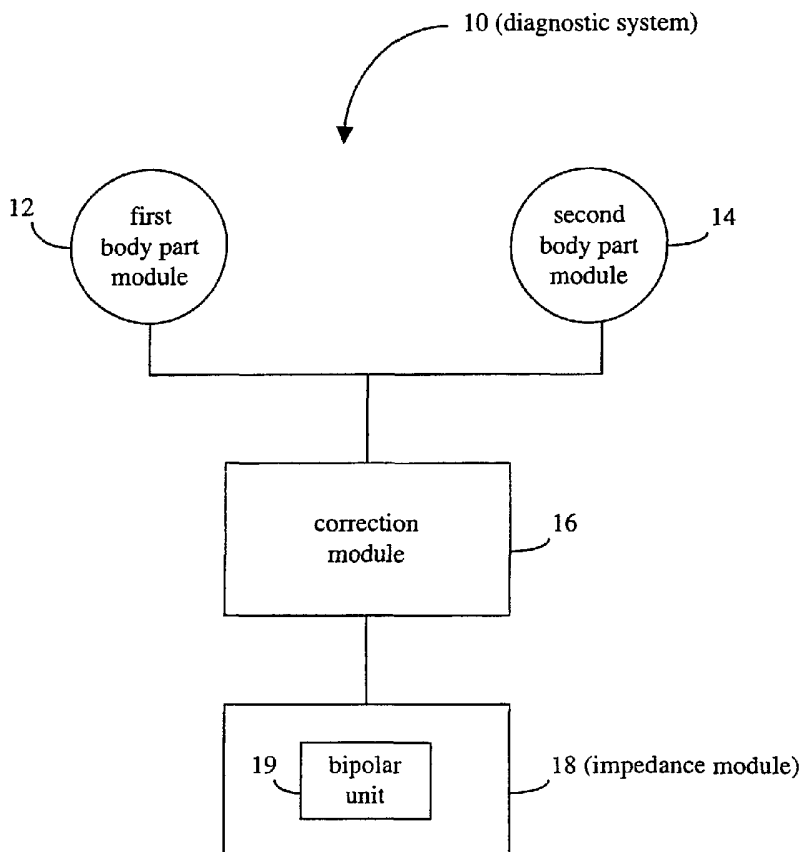
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(54) Title: ELIMINATING INTERFACE ARTIFACT ERRORS IN BIOIMPEDANCE MEASUREMENTS



(57) Abstract: A system for diagnosing the possibility of disease in one of a first body part and a second substantially similar body part by impedance measurements is described. The system includes an impedance module for calculating impedances of corresponding segments of the first and second body parts from current and voltage signals. The measured impedances are corrected to account for the effect of stray impedances arising from non-body part sources.

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
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SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A61B5/05 A61B19/00 G01R27/08

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)  
 IPC 7 A61B G01R

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 practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/079910 A1 (FUKUDA YOSHINORI) 27 June 2002 (2002-06-27)	1-3, 5
A	paragraphs '0006!-'0012!; claim 1 ---	4, 6-17
Y	US 2002/123694 A1 (GAVRILOV ILYA ET AL) 5 September 2002 (2002-09-05) abstract ---	1-3, 5
Y	WO 96/32652 A (SIEMENS AG ;JURISCH ANDREAS (DE)) 17 October 1996 (1996-10-17) column 1, line 1 -column 1, line 50; claim 1 ---	1-3
A	US 3 871 359 A (PACELA ALLAN F) 18 March 1975 (1975-03-18) abstract --- -/--	1-17

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	AL-HATIB F: "Patient-instrument connection errors in bioelectrical impedance measurement" PHYSIOLOGICAL MEASUREMENT, IOP PUBLISHING, GB, vol. 19, no. 2, May 1998 (1998-05), pages 285-296, XP002153191 ISSN: 0967-3334 page 285, line 1-20 -page 295, line 1-21 -----	1-17
A	US 2001/007056 A1 (MAILE KEITH R ET AL) 5 July 2001 (2001-07-05) the whole document -----	1-17

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Information on patent family members

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